ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 CHESTNUT HILL DRIVE
SACRAMENTO, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

INCREMENT NO. 1

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING AND ALL OTHER APPLICABLE CODES AND ORDINANCES:

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2022 ELEVATOR SAFETY ORDERS, PART 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 6, TITLE 24, C.C.R.
2022 TITLE 19 C.C.R., PUBLIC SAFETY, DIVISION 1 STATE FIRE MARSHAL REGULATIONS
2022 NFPA 13, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
2019 NFPA 14, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT, AND HOSE SYSTEMS
2019 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2022 NFPA 72, NATIONAL FIRE ALARM CODE, AS AMENDED

NOTE:
THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE OR REGULATIONS. SHOULD ANY EXISTING CONDITIONS BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

SYMBOLS LEGEND

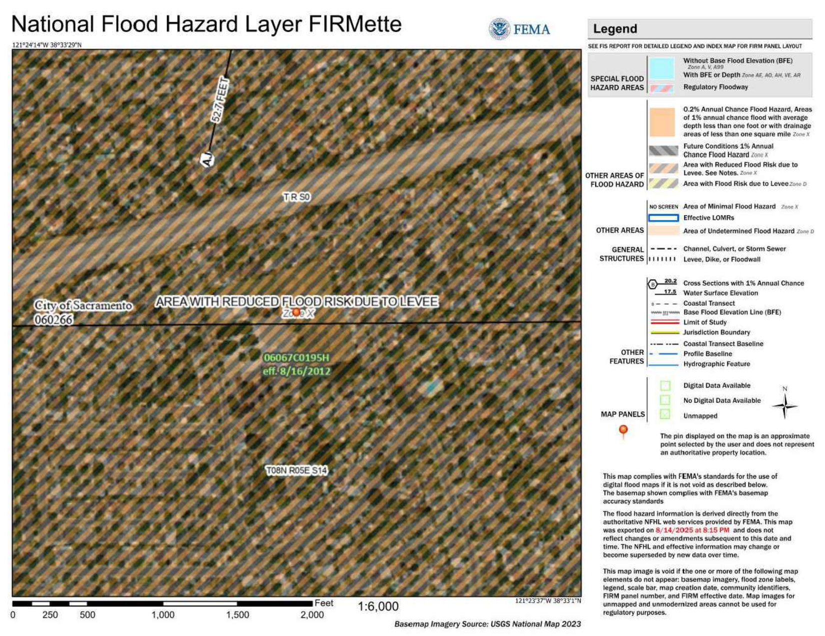
SEE INDIVIDUAL SHEETS FOR ADDITIONAL SHEET SPECIFIC SYMBOLS/ LEGENDS NOT INDICATED HERE - NOT ALL SYMBOLS/ LEGENDS WILL APPLY.

SECTION	A / A3.0 — SECTION NUMBER / SHEET NUMBER	OPENING	34
		KEYNOTE	6
		WALL TYPE	3
DETAIL	5 / A2.0 — DETAIL NUMBER / SHEET NUMBER	DATUM WORK POINT OR CONTROL POINT	
		DIMENSION MARKS	
INTERIOR ELEVATION	N, W, E, S — 4 / A7.3 — DETAIL NUMBER / ELEVATION ORIENTATION / SHEET NUMBER	ROOM NAME / ROOM NO.	OFFICE / 106

ABBREVIATIONS AND SYMBOLS

℄	CENTERLINE	JT.	JOINT
⌀	DIAMETER OR ROUND	MTL.	METAL
#	POUND OR NUMBER	(N)	NEW
(E)	EXISTING	N.I.C.	NOT IN CONTRACT
A.C.	ASPHALT CONCRETE	NO. or #	NUMBER
A.C.C.	ACCESSIBLE	N.T.S.	NOT TO SCALE
A.D.	AREA DRAIN	O.C.	ON CENTER
A.F.F.	ABOVE FINISH FLOOR	O.F.C.I.	OWNER FURNISHED CONTR. INSTAL.
ALUM.	ALUMINUM	O.F.O.I.	OWNER FURNISHED OWNER INSTAL.
BD.	BOARD	OPNG.	OPENING
BLDG.	BUILDING	OPP.	OPPOSITE
BOT.	BOTTOM	P.L.	PROPERTY LINE
C.G.	CORNER GUARD	P-LAM.	PLASTIC LAMINATE
C.J.	CONSTRUCTION JOINT	PLYWD.	PLYWOOD
CLG.	CEILING	PREP.	PREPARATION
CLR.	CLEAR	P.P.	PIPE PENTRATION
C.M.U.	CONCRETE MASONRY UNIT	PRTN.	PARTITION
COL.	COLUMN	P.V.	PIPE VENT
CONC.	CONCRETE	R.	RISER/RADIUS
CONT.	CONTINUOUS	R.D.	ROOF DRAIN
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	REF	ROOF EXHAUST FAN
CTR.	CENTER	REQ'D.	REQUIRED
DEMO.	DEMONSTRATION	R.H.	ROOF HATCH
D.F.	DRINKING FOUNTAIN	R.W.L.	RAIN WATER LEADER
DIA.	DIAMETER	SIM.	SIMILAR
DIM.	DIMENSION	STOR.	STORAGE
D.S.	DOWNSPOUT	SPEC.	SPECIFICATION
DTL.	DETAIL	S.S	STAINLESS STEEL
DWG.	DRAWING	STD.	STANDARD
E.F.	EXHAUST FAN	STL.	STEEL
E.J.	EXPANSION JOINT	STRL.	STRUCTURAL
EMERG.	EMERGENCY	SYM.	SYMMETRICAL
ELEV.	ELEVATION	T.B.	TACK BOARD
E.W.C.	ELECTRIC WATER COOLER	T.C.	TOP OF CURB
F.D.	FLOOR DRAIN	T.O.C.	TOP OF CONCRETE
F.E.	FIRE EXTINGUISHER	T.O.S.	TOP OF STEEL
F.H.C.	FIRE HOSE CABINET	T.O.P.	TOP OF PLATE
FIN.	FINISH	T.V.	TELEVISION
FL.	FLOOR	T.O.W.	TOP OF WALL
F.O.C.	FACE OF CONCRETE	TYP.	TYPICAL
F.R.P.	FIBERGLASS REINFORCED PLASTIC	U.O.N.	UNLESS OTHERWISE NOTED
GA.	GAUGE	U.V.	UNIT VENTILATOR
GALV.	GALVANIZED	VERT.	VERTICAL
G.B.	GRAB BAR	V.H.	VENT HOOD
GYP.	GYPSUM	VTR	VENT THROUGH ROOF
H.B.	HOSE BIBB	W/	WITH
H.C.	HOLLOW CORE	W.C.	WATER CLOSET
HGT./HT.	HEIGHT	WD.	WOOD
H.M.	HOLLOW METAL	W.V.	WATER VALVE
HR.	HOUR		
HVAC	HVAC UNIT		

FLOOD ZONE



THIS PROJECT IS NOT LOCATED IN THE SPECIAL FLOOD HAZARD AREA.

DEFERRED APPROVAL ITEMS

NONE.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE CONSTRUCTION MANAGER BY THE MEANS OF A REQUEST FOR INFORMATION (RFI) OR AS PART OF THE APPLICABLE SHOP DRAWING/SUBMITTAL.
2. SPECIFIC ITEMS NOTED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
3. CONTRACTOR IS RESPONSIBLE FOR ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE INSTALLATION OF NEW WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, THE REMOVAL AND/OR REINSTALLATION OF ALL EXISTING ITEMS, OR PORTIONS OF THE EXISTING CONSTRUCTION WHETHER SHOWN OR NOT.
4. ALL WORK, MATERIALS, METHODS, ETC. SHALL CONFORM TO ALL GOVERNING BUILDING CODES AND REGULATIONS.
5. ANY CONFLICT BETWEEN THESE PLANS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. ALL WORK SHALL BE IN COMPLETE CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OR AS OTHERWISE OUTLINED IN THE SPECIFICATIONS.
7. USE OF ANY NEW MATERIALS CONTAINING LEAD OR ASBESTOS IS PROHIBITED.
8. DETAILS, MATERIALS AND SCOPE OF WORK SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. THE TERM "TYPICAL" OR "(TYP.)" SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK SCOPE.
10. ALL PRODUCTS AND/OR MANUFACTURERS INDICATED ON DRAWINGS SHALL COMPLY WITH SPECIFICATIONS AND/OR BE APPROVED IN WRITING BY ARCHITECT PRIOR TO ORDERING OR INSTALLATION OF MATERIAL.
11. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 3 INSPECTOR IS REQUIRED. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL COMPLY WITH CFC AND CBC CH 33.
13. THE EXISTING FACILITY HAS ASBESTOS CONTAINING MATERIAL IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF ASBESTOS CONTAINING MATERIAL SHALL BE PERFORMED IN IN ACCORDANCE WITH THE ASBESTOS ABATEMENT SPECIFICATIONS EXHIBIT "C" OF THE PROJECT MANUAL.
14. THE EXISTING FACILITY HAS LEAD-CONTAINING MATERIALS IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF LEAD CONTAINING MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE LEAD ABATEMENT SPECIFICATIONS EXHIBIT "D" OF THE PROJECT MANUAL.
15. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND RE-INSTALLATION OF ALL EXISTING (E) ROOF-TOP PIPING, CONDUIT, WIRE AND EQUIPMENT DURING REPLACEMENT OF BLOCKING, SUPPORTS AND UNISTRUTS.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO BEGINNING WORK OR ORDERING MATERIALS.
17. CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIERS FOR POWER REQUIREMENTS, BLOCKING LOCATIONS, SUPPORT FOR EQUIPMENT, PLUMBING REQUIREMENTS AND ROUGH-IN LOCATIONS.
18. WHERE INCLUDED IN THESE DRAWINGS, "KEYNOTES" DENOTE NEW WORK TO BE PERFORMED UNDER THIS CONTRACT AND ARE IDENTIFIED TO THE RIGHT OF EACH SHEET. "NOTES" DENOTE EXISTING ITEMS FOR REFERENCE ONLY AND ARE ALSO IDENTIFIED TO THE RIGHT OF EACH SHEET. "GENERAL SHEET NOTES" DENOTE DESCRIPTIONS OF ADDITIONAL NEW WORK SPECIFIC TO THE SHEET CONTAINING THE "GENERAL SHEET NOTE".
19. NOT ALL CEILING APPURTENANCES (SMOKE DETECTORS, EXHAUST FANS, ACCESS DOORS, ETC.) ARE SHOWN. CONTRACTOR TO FIELD VERIFY AND TAKE APPROPRIATE ACTION TO ACCOMMODATE THESE ITEMS.
20. ALL DEMOLISHED ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. (SEE SPECIFICATIONS, SECTION 02072)

GENERAL SCOPE OF WORK - INC. 1 & 2

INCREMENT 1:
UPGRADED ACCESSIBLE PARKING AND PATHS OF TRAVEL.
UPGRADED SITE UTILITIES AND LANDSCAPING.
ALTERATIONS TO THE FOLLOWING:
(1) ADMINISTRATION/CLASSROOM BUILDING (BUILDING B)
(2) CLASSROOM AND RESTROOM BUILDINGS (BUILDINGS C & D)

INCREMENT 2:
INSTALLATION OF 6 MODULAR CLASSROOM BUILDINGS.

DETAILED SCOPE OF WORK

CONTRACTOR SHALL READ AND UNDERSTAND THESE SCOPE ITEMS VERY CAREFULLY. SCOPE INDICATED HERE SHALL BE CONSIDERED TYPICAL FOR ALL AREAS OF THIS PROJECT UNLESS SPECIFICALLY INDICATED OTHERWISE IN THESE DRAWINGS. ALL SCOPE ITEMS INDICATED HERE MAY NOT BE NOTED WITHIN THESE DRAWINGS. CONTRACTOR SHALL CONSIDER THIS SCOPE AS TYPICAL IF SPECIFICALLY NOTED OR NOT. THESE DRAWINGS ARE TO PROVIDE THE CONTRACTOR WITH ONLY A GENERAL REPRESENTATION OF EXISTING BUILDING CONDITIONS. ALL MISCELLANEOUS SCOPE ITEMS AND FIELD CONDITIONS CANNOT BE COMPLETELY DOCUMENTED. CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGH SURVEYING OF SITE AND BUILDING INTERIORS AND EXTERIORS PRIOR TO BID AND PRESENT ANY CLARIFICATION QUESTIONS TO THE ARCHITECT PRIOR TO BID.

INCREMENT 1

PAINT SCOPE INCLUDES, BUT IS NOT LIMITED TO:

1. PRIME AND PREPARE ALL SURFACES SCHEDULED TO BE PAINTED, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE FOR SUBSTRATE. SCRAPE AND SAND LOOSE ANY PEELING PAINT FOLLOWING ABATEMENT REQUIREMENTS FOR LEAD-CONTAINING MATERIALS. POWER WASH ALL SURFACES TO BE PAINTED OR CLEANED. SEE SPECIFICATION SECTIONS FOR ADDITIONAL PREPARATION INFORMATION.
2. PAINT ALL EXISTING PAINTED EXTERIOR AND INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFORMATION):

   WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   WALL LOUVERS
   FASCIAS
   GUTTERS AND DOWNSPOUTS
   CAP & EDGE FLASHINGS
   CANOPIES INCLUDING UNDERSIDES
   EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   WINDOW FRAMES (IF PREVIOUSLY PAINTED)
   INTERIOR & EXTERIOR SURFACES OF DOORS AND DOOR FRAMES
   DOOR MULLIONS AT PAIR DOORS
   PAINTED INFILL PANELS AT WINDOW LOCATIONS
   MISCELLANEOUS TRIM AND MOLDINGS
   PAINTED ORNAMENTAL IRON FENCING AND GATES
   PAINTED PLANTERS, RETAINING AND SITE WALLS
   PAINTED WOODEN BENCHES AND TABLES
   RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   RELOCATABLE BUILDING RAMP, BUILDING SKIRTS & HANDRAILS
   HANDRAILS, GUARD RAILS, BARRICADE RAILS & FENCING
   ROOF TOP GAS PIPING (YELLOW STRIPES ONLY)
   NEW HARD COURT STRIPING AT AC PAVING
   BASKETBALL, VOLLEYBALL, AND OTHER OUTDOOR EQUIPMENT POSTS
   OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS

3. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR UNLESS OTHERWISE INDICATED.
4. REMOVE AND REINSTALL ALL DIRECTIONAL SIGNAGE, ACCESSIBILITY SIGNAGE, REGULATION SIGNAGE UNLESS INDICATED TO BE REMOVED AND DISCARDED. AT ALL ROOM ID SIGNS, REMOVE SIGN, PATCH WALL FINISH, AND PROVIDE NEW ROOM ID SIGN AT ALL CLASSROOMS, BUILDING ENTRANCES, MULTI-FUNCTION SPACES, TOILET ROOMS, CUSTODIAL, ETC.
5. REMOVE ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH, PRIME AND PAINT. REPLACE WITH NEW SIGNAGE AT ALL LOCATIONS WHERE IT WAS REMOVED.
6. REMOVE EXISTING SURFACE APPLIED WEATHER STRIPPING FROM ALL DOOR FRAMES AND INSTALL NEW PEMKO 297APK WEATHER STRIPPING AT JAMBS AND HEAD OF ALL EXTERIOR DOORS.
7. REPAINT DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

SITE DESIGN SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

1. PARKING LOT UPGRADES INCLUDING UPGRADES TO THE ACCESSIBLE SPACES.
2. UPGRADES TO PATH OF TRAVEL, INCLUDING PATH TO PUBLIC WAY AND CONCRETE WALKWAYS.
3. REPLACEMENT OF SITE FENCING AND PEDESTRIAN GATES.
4. LANDSCAPING UPGRADES THROUGHOUT THE CAMPUS.
5. REMOVAL OF (3) EXISTING PORTABLES AND ASSOCIATED UTILITIES, RAMPS, STAIRS AND LANDINGS.
6. INSTALLATION OF NEW UTILITIES, WALKWAYS AND LANDSCAPING FOR (6) NEW PORTABLES BEING INSTALLED IN INCREMENT 2.

BEAUTIFICATION SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

1. REPLACING FLOORING AT ALL ROOMS IDENTIFIED ON FLOOR PLANS.
2. NEW SINKS AND CASEWORK AT CLASSROOMS AND MISC. REPAIRS TO EXISTING CASEWORK.
3. REPLACING COMPOSITE WINDOW PANELS WITH NEW GLAZING.
4. PAINTING INTERIOR AND EXTERIOR SURFACES AND ELEMENTS AS LISTED IN "PAINTING SCOPE" ABOVE.
5. UPGRADES TO EXISTING RESTROOMS WHERE INDICATED WHICH INCLUDE REMOVING ALL FIXTURES AND FINISHES DOWN TO STUDS AND REPLACING WITH NEW.

INCREMENT 2

1. PROVIDE AND INSTALL (6) IN-PLANT CONSTRUCTED CLASSROOM PORTABLES.
2. NEW FOUNDATIONS FOR THE (6) CLASSROOM PORTABLES AND SITE INSTALLATION.
3. PORTABLE BUILDINGS WILL BE TRANSPORTED ON SITE AS (6) INDIVIDUAL MODULES AND RECONNECTED IN PLACE ON SITE.
4. CONNECTION OF UTILITIES INSTALLED AS PART OF INCREMENT 1.

ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☐ THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

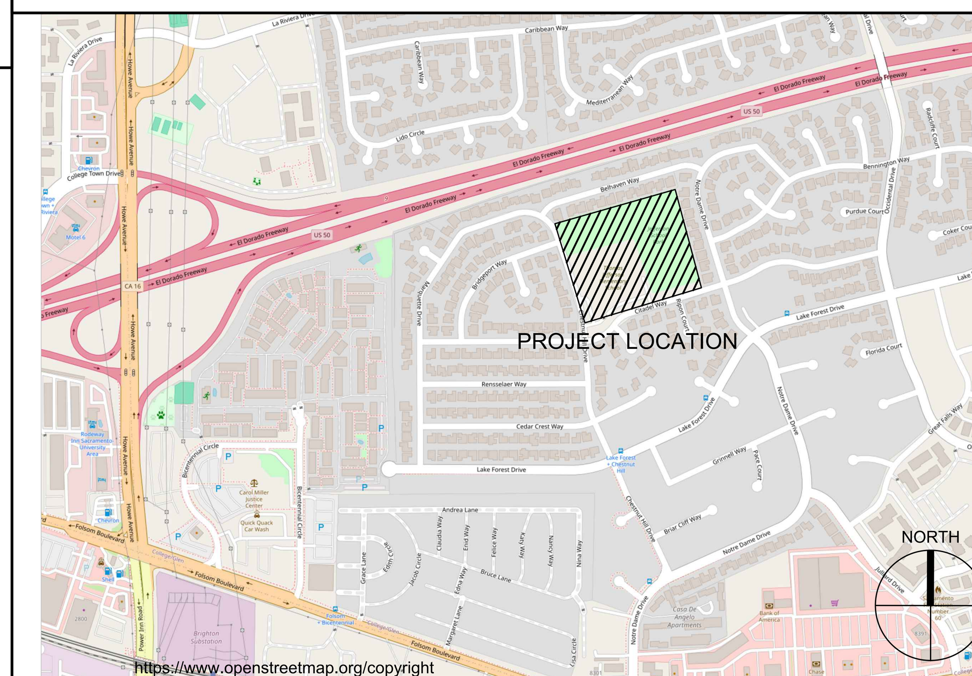
HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 [B])

BRIAN J. MAYTUM — ARCHITECT
XXXX — DATE
C-26867 — LICENSE NO.
JANUARY 31, 2027 — EXPIRATION DATE

VICINITY MAP



CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 CHESTNUT HILL DRIVE
SACRAMENTO, CA 95826
PARCEL #: XXXXXXXXXXXXXXX

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LANDSCAPING:
MTW GROUP
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CONTACT: BRYAN WALKER

STRUCTURAL ENGINEER:
RW CONSULTING ENGINEERS, INC.
1450 HARBOR BLVD, SUITE F
WEST SACRAMENTO, CA 95691
PHONE: (916) 716-6910
CONTACT: GREG RICHARDS

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER:
LP CONSULTING ENGINEERS
1209 PLEASANT GROVE BLVD.
ROSEVILLE, CA 95678
PHONE: (916) 771-0778
CONTACT: RYAN ENNIS

FIRE ALARM/LOW VOLTAGE:
KMM SERVICES
5433 EL CAMINO AVE., SUITE 5
CARMICHAEL, CA. 95608
PHONE: (916) 359-4000
CONTACT: CHRIS CLUFF

SHEET INDEX - INCREMENT 1

GENERAL
G000 COVER SHEET

CIVIL
C0.0 CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.1 TOPOGRAPHIC SURVEY
C0.2 UTILITY SURVEY
C1.1 DEMOLITION PLAN
C1.2 ENGINEERED FILL PLAN
C2.1 GRADING PLAN
C2.2 GRADING PLAN
C2.3 GRADING PLAN
C3.1 UTILITY PLAN
C4.1 PAVING PLAN
C5.1 STRIPING PLAN
C6.1 EROSION CONTROL PLAN
C7.1 DETAILS AND SECTIONS
C7.2 DETAILS AND SECTIONS
C8.1 FENCING AND GATE PLAN
C8.2 FENCING AND GATE DETAILS

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LD.2 DEMOLITION IRRIGATION PLAN
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L3.1 SPRINKLER IRRIGATION PLAN
L4.1 LANDSCAPE PLANTING DETAILS
L4.2 LANDSCAPE SITE INSTALLATION DETAILS
L4.3 SPRINKLER IRRIGATION DETAILS
L4.4 SPRINKLER IRRIGATION DETAILS
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L6.1 TREE SHADING PLAN

ARCHITECTURAL
A100FA FIRE ACCESS SITE PLAN
A100 OVERALL SITE IMPROVEMENT PLAN
A111 FLOOR PLANS BUILDING B
A112 FLOOR PLANS BUILDINGS C & D
A211 REFLECTED CEILING PLANS BUILDING B
A212 REFLECTED CEILING PLANS BUILDINGS C & D
A300 EXTERIOR ELEVATIONS BUILDING B
A301 EXTERIOR ELEVATIONS BUILDINGS C & D
A500D ENLARGED SITE PLAN - DEMOLITION
A500 ENLARGED SITE PLAN - NEW WORK
A501D ENLARGED SITE PLAN - DEMOLITION
A501 ENLARGED SITE PLAN - NEW WORK
A502D ENLARGED SITE PLAN - DEMOLITION
A502 ENLARGED SITE PLAN - NEW WORK
A511 ENLARGED TYPICAL KINDERGARTEN PLAN & INTERIOR ELEVATIONS
A512 ENLARGED TYPICAL CLASSROOM PLAN & INTERIOR ELEVATIONS
A521 ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
A522 ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
A523 ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
A610 EXTERIOR & SITE DETAILS
A640 INTERIOR DETAILS
A641 INTERIOR DETAILS
A710 OPENING SCHEDULE
A811 FINISH PLANS BUILDINGS A & B
A812 FINISH PLANS BUILDINGS C & D

STRUCTURAL
S001 TYPICAL STRUCTURAL NOTES
S002 TYPICAL STRUCTURAL DETAILS
S201 BUILDING B STRUCTURAL PLANS
S202 BUILDING D STRUCTURAL PLANS

MECHANICAL
M001 MECHANICAL SPECIFICATIONS, LEGEND AND NOTES
M002 MECHANICAL SCHEDULES
M100 MECHANICAL SITE PLAN
M312 ENLARGED MECHANICAL RESTROOM PLANS BUILDINGS C & D
M801 MECHANICAL DETAILS

PLUMBING
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P002 PLUMBING SCHEDULES
P100 PLUMBING SITE PLAN
P111 PLUMBING FLOOR PLANS BUILDING A & B
P112 PLUMBING FLOOR PLANS BUILDING C & D
P313 PLUMBING ENLARGED RESTROOM PLANS BUILDINGS C & D WASTE & VENT
P314 PLUMBING ENLARGED RESTROOM PLANS BUILDINGS C & D DOMESTIC WATER
P801 PLUMBING DETAILS

ELECTRICAL
E001 ELECTRICAL SHEET INDEX, ABBREVIATIONS AND NOTES
E002 ELECTRICAL SYMBOL LEGEND
E100 ELECTRICAL SITE PLAN
E101 ENLARGED ELECTRICAL SITE PLAN - DEMOLITION
E102 ENLARGED SITE PHOTOMETRIC PLAN
E111 ELECTRICAL FLOOR PLANS BUILDING B
E112 ELECTRICAL FLOOR PLANS BUILDING C & D
E211 ELECTRICAL LIGHTING PLANS BUILDING B
E212 ELECTRICAL LIGHTING PLANS BUILDING C & D
E312 ENLARGED ELECTRICAL RESTROOM PLANS BUILDINGS C & D
E511 ELECTRICAL ONE LINE DIAGRAM - DEMO
E512 ELECTRICAL ONE LINE DIAGRAM - NEW
E711 ELECTRICAL PANEL SCHEDULES
E811 ELECTRICAL DETAILS
E911 TITLE 24 ENERGY COMPLIANCE FORMS
E912 TITLE 24 ENERGY COMPLIANCE FORMS

FIRE ALARM
FA001 FIRE ALARM COVER SHEET
FA100 FIRE ALARM SITE PLAN
FA200 FIRE ALARM FLOOR PLAN BUILDING B
FA201 FIRE ALARM EXISTING PORTABLES
FA202 FIRE ALARM FLOOR PLAN NEW PORTABLES
FA501 FIRE ALARM DETAILS
FA601 FIRE ALARM SINGLE LINE DIAGRAM AND BATTERY CALCS

TECHNOLOGY
T001 TECHNOLOGY COVER SHEET
T050 TECHNOLOGY DEMO SITE PLAN
T100 TECHNOLOGY NEW SITE PLAN
T200 TECHNOLOGY FLOOR PLAN BUILDINGS "A" AND "B"
T201 TECHNOLOGY FLOOR PLAN BUILDINGS "C" AND "D"
T202 TECHNOLOGY FLOOR PLAN EXISTING PORTABLES
T203 TECHNOLOGY FLOOR PLAN NEW PORTABLES
T501 TECHNOLOGY DETAILS
T502 TECHNOLOGY DETAILS
T503 TECHNOLOGY DETAILS
T601 TECHNOLOGY RACK ELEVATIONS
T602 TECHNOLOGY SINGLE LINE DIAGRAMS

SHEET COUNT: 105

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT
DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE
COVER SHEET
SHEET NO.
G000

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
	CATCH BASIN (CB)
	DROP INLET (DI)
	AREA DRAIN (AD)
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
CO	STORM DRAIN CLEANOUT
99.99	ELEVATION
FF=100.00	FINISHED FLOOR ELEVATION
PAD=99.33	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

6" SS	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
CO	SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

8" W	WATER LINE & SIZE
8" FS	FIRE LINE & SIZE
8" DW	DOMESTIC WATER LINE & SIZE
8" RW	RECLAIMED WATER LINE & SIZE
8" IRR	IRRIGATION SERVICE LINE & SIZE
8" NP	NON POTABLE WATER LINE & SIZE
8" SP	FIRE SPRINKLER SERVICE LINE & SIZE
	GATE VALVE
M	WATER METER
FH	FIRE HYDRANT ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION
DC	DETECTOR CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
RP	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
1"	AIR RELEASE VALVE + SIZE
1"	BLOW-OFF VALVE + SIZE
PIV	POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

SHEET INDEX

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C0.1 TOPOGRAPHIC SURVEY
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C8.2 FENCING AND GATE DETAILS

GENERAL NOTES

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

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS 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. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE 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 SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE. PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
37. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
38. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
39. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
40. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
41. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
42. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
43. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
43. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
44. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
45. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. 0.0% MAX.
46. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
47. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9%
    DIRECTION OF TRAVEL - 4.9%
    RAMP IN DIRECTION OF TRAVEL - 8.0%
    PLAZA 1.9% - IN ANY DIRECTION
48. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
49. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00

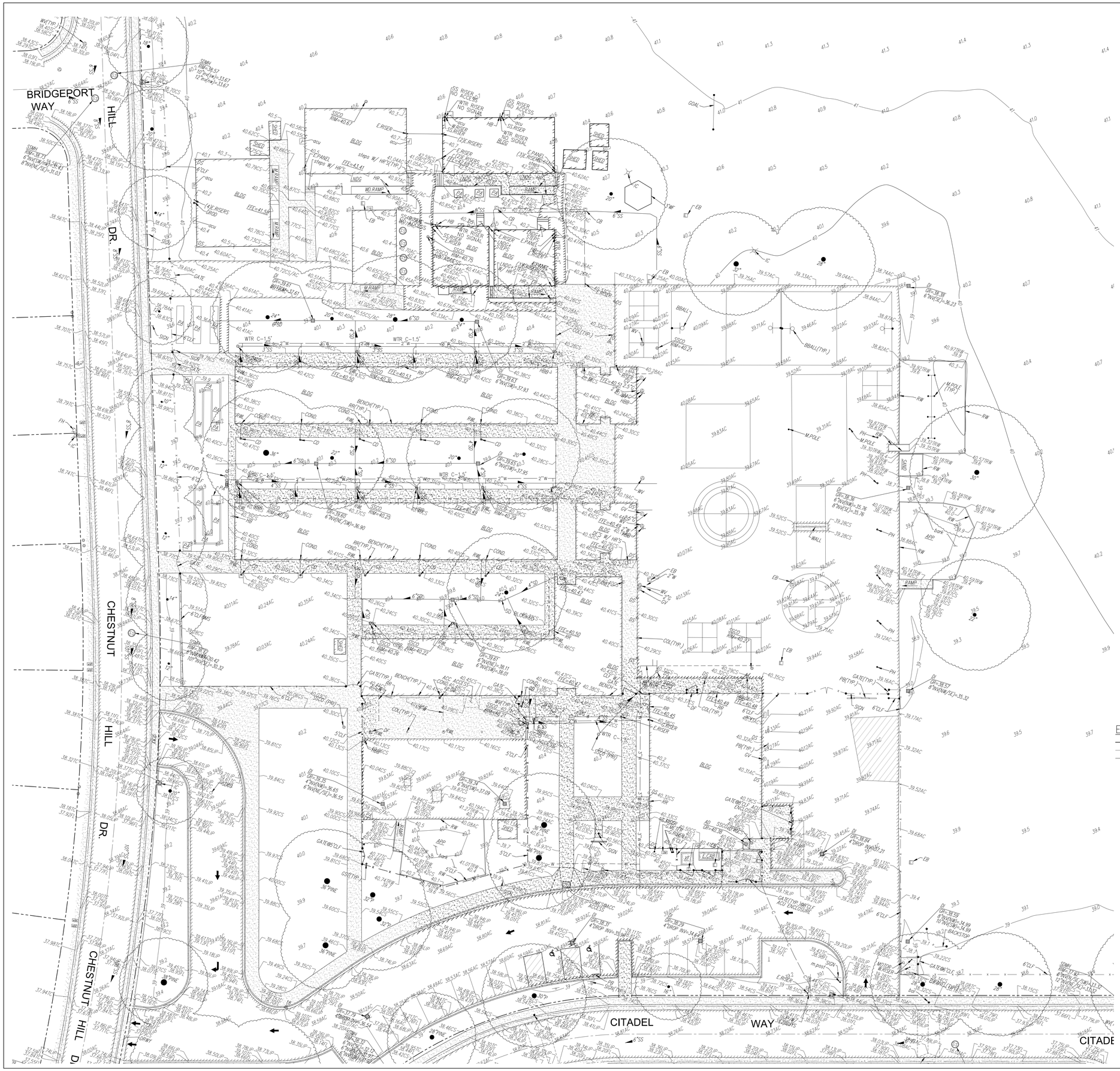
CIVIL GENERAL NOTES AND ABBREVIATIONS

SHEET NO.

C0.0

FILENAME: I:\25-075\CIVIL\DWG\25-075-C00.DWG

INCREMENT NO. 1



ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AC.	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
APP	APPARATUS
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL.	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR.	BRICK
B.W.F.	BARBED WIRE FENCE
C	COMMUNICATION
C/L	CENTERLINE
CATV	CABLE TELEVISION
CIP	CAPPED IRON PIPE
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC.	CONCRETE
COND.	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
D	DEPTH
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
F.A.	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GR	GRATE
GRB	GROUND ROD BOX
GROD	GROUND ROD
GV	GAS VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HVE	HIGH VOLTAGE ELECTRIC
HWF	HOG WIRE FENCE
IC	IN CONCRETE
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M.	METAL
MH	MANHOLE
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
NTS	NOT TO SCALE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PB	PARKING BUMPER
PH	POSTHOLE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PRKG	PARKING
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
PVC	POLYVINYL CHLORIDE
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RW	RETAINING WALL
RWD	REDWOOD
RWL	RAIN WATER LEADER
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STL.	STEEL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
V	VENT
VBALL	VOLLEYBALL
W	WATER
W/	WITH
WD.	WOOD
WF	WOOD FENCE
W.I.F.	WROUGHT IRON FENCE
W.R.F.	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK

EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- = GROUND ELEVATION
- = HARD SURFACE ELEVATION

A.P.N.	079-0092-023

BENCHMARK NO. 318-D1A ELEV. 41.162

HILTI NAIL LIGHT BASE NW CORNER MARQUETTE DRIVE AND LAKE FOREST DRIVE.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

TOPOGRAPHIC SURVEY

SHEET NO.

C0.1

FILENAME: I:\25-075\CIVIL\DWG\25-075-C01-C02.DWG

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ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
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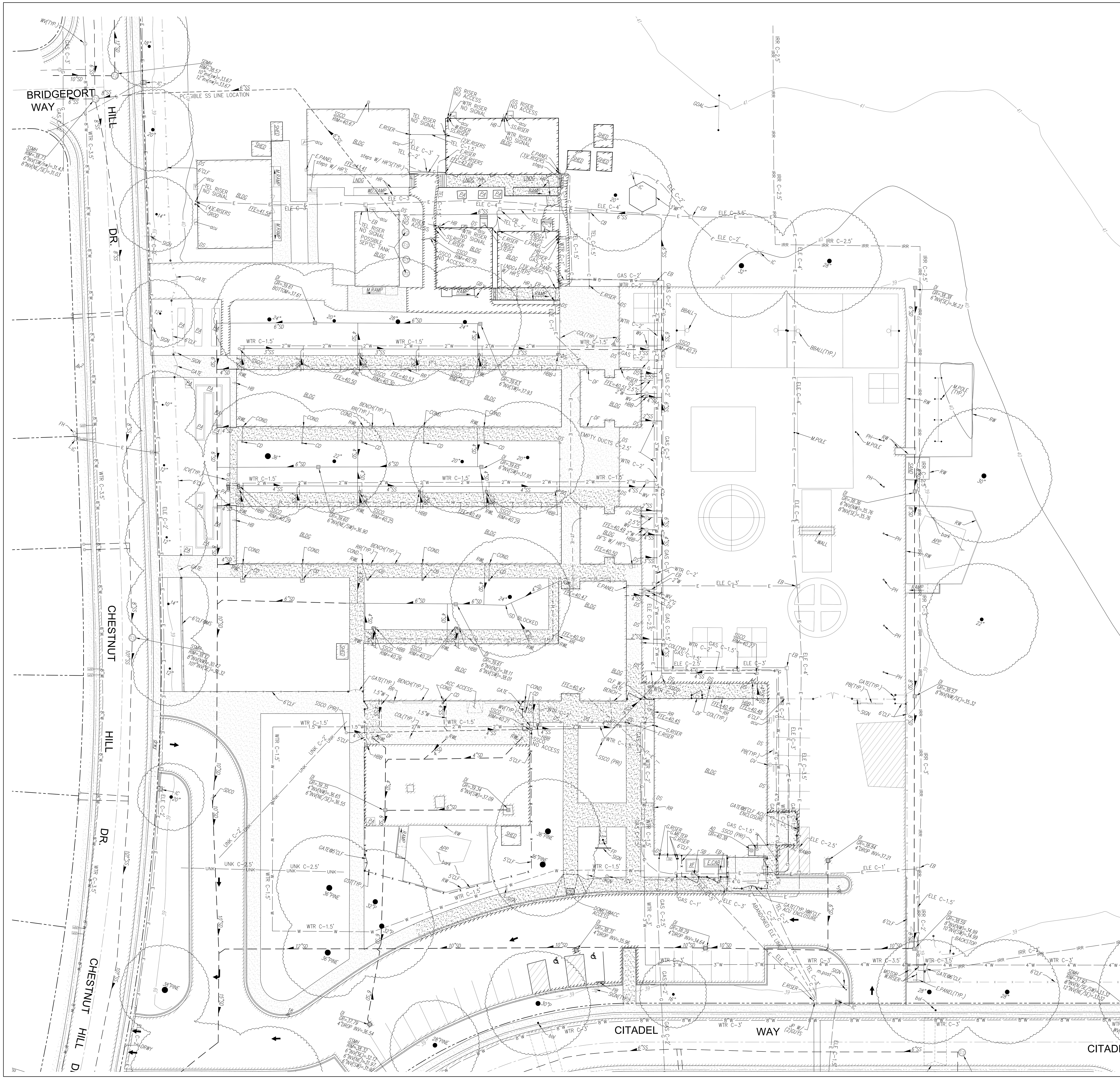
ONE INCH = TWENTY FEET



EXISTING UTILITIES

- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- RWL = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- —w— = WATER LINE (SIZE INDICATED)
- ---w--- = WATER LINE (RECORD INFORMATION)
- — —w— — = WATER LINE (UNDERGROUND LOCATING)
- W = WATER MANHOLE
- = WATER VALVE
- wM = WATER METER
- W = WATER BOX
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = BACKFLOW PREVENTER
- = SPRINKLER
- = HOSE BIBB
- — OH-E — = OVERHEAD ELECTRIC LINE
- —E— = UNDERGROUND ELECTRIC LINE
- ---E--- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- — —E— — = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- EM = ELECTRIC METER
- E = ELECTRIC BOX
- SLB = STREET LIGHTING BOX
- OR = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- —G— = GAS LINE (SIZE INDICATED)
- ---G--- = GAS LINE (RECORD INFORMATION)
- — —G— — = GAS LINE (UNDERGROUND LOCATING)
- G = GAS MANHOLE
- = GAS VALVE
- GM = GAS METER
- —t— = TELEPHONE LINE
- ---t--- = TELEPHONE LINE (RECORD INFORMATION)
- — —t— — = TELEPHONE LINE (UNDERGROUND LOCATING)
- SD = STORM DRAIN BOX
- TS = TRAFFIC SIGNAL BOX

BASIS OF BEARINGS:
PER FOUND MONUMENTS, IDENTICAL TO 64 MAPS 21

F.E.M.A. INFORMATION:
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED)--AREA WITH REDUCED FLOOD RISK DUE TO LEVEE" PER FLOOD INSURANCE RATE MAP 06067C0195H DATED AUGUST 16, 2012.

B+B NOTES:
UTILITY LOCATIONS MAY NOT BE TO SCALE
NOT ALL UTILITIES MAY BE SHOWN.
SOME LATERALS WERE NOT ACCESSIBLE & WERE THEREFORE NOT LOCATED.
DEPTHS SHOWN ARE TO CENTER OF CONDUCTIVE UTILITY & ARE GENERALLY +/-10% OF ACTUAL DEPTH, WHEN NOT DISTORTED BY ADJACENT CONDUCTORS.
CRITICAL DEPTHS REQUIRE VERIFICATION BY POTHOLING.

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND UG LOCATING BY B+B.

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
2	CPS CHISELED "+"	9766.96	9331.45	38.89
5	CPS CHISELED "+"	9618.09	9808.20	39.68
10	CPS CHISELED "+"	9864.17	9604.20	40.31
18	CPS CHISELED "+"	9466.16	9543.51	39.12

GRAPHIC SCALE
20' 0 10' 20' 40'
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DATE: 12/12/2025
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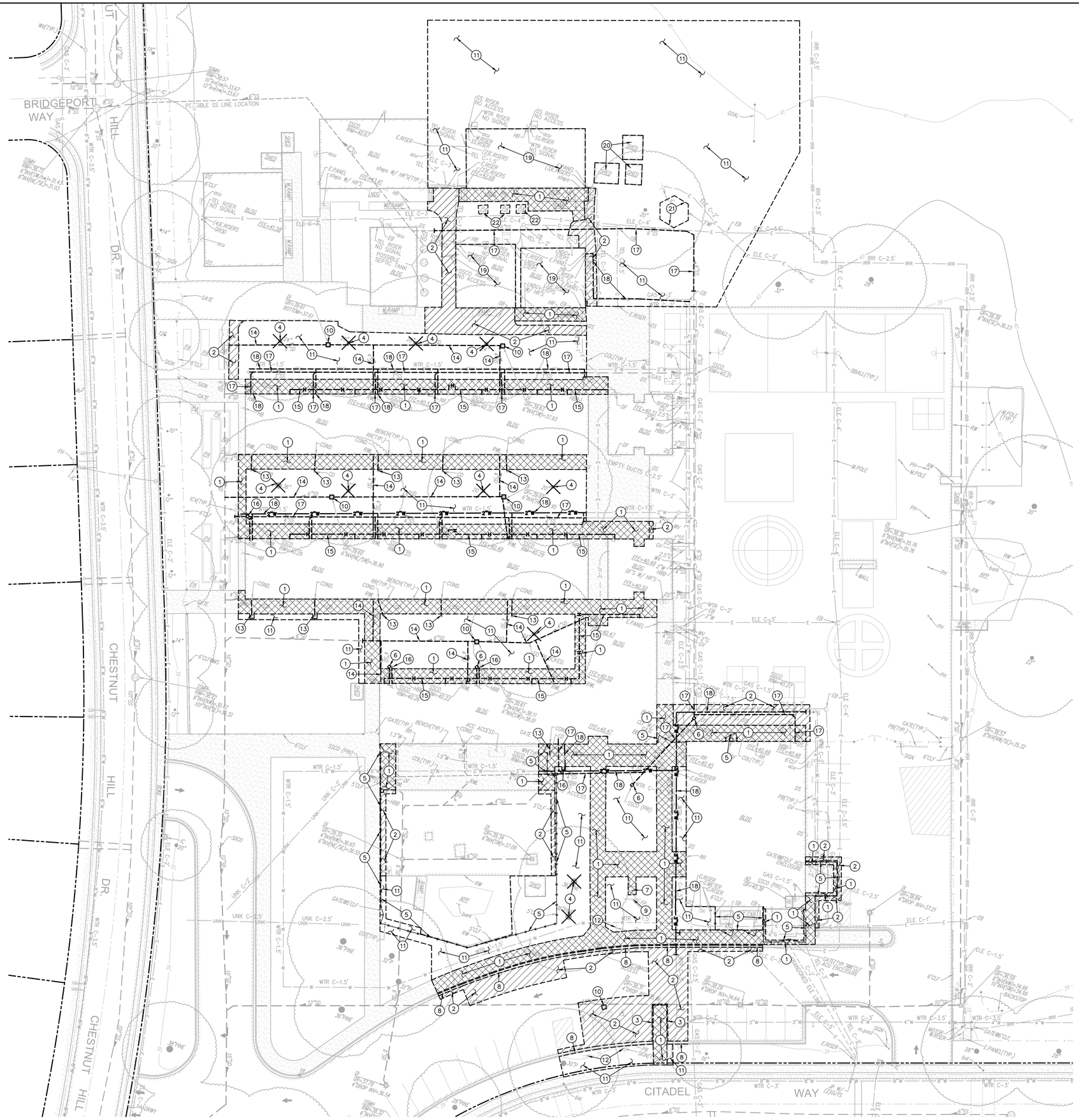
UTILITY SURVEY

SHEET NO.
C0.2

FILENAME: I:\25-075\CIVIL\DWG\25-075-C01-C02.DWG

INCREMENT NO. 1



DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
5. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS AND ASSOCIATED FOOTINGS.
6. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
7. REMOVE AND DISPOSE OF EXISTING FLAG POLE AND ASSOCIATED FOOTING.
8. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND BAND TO EXTENT SHOWN.
9. REMOVE AND DISPOSE OF EXISTING MONUMENT SIGN AND ASSOCIATED FOOTING.
10. REMOVE AND DISPOSE OF EXISTING DROP INLET.
11. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
12. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTING.
13. REMOVE AND DISPOSE OF EXISTING CONDENSATE DRAIN AND PIPE.
14. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE TO EXTENT SHOWN.
15. REMOVE AND DISPOSE OF EXISTING ASBESTOS HYDRONIC PIPING.
16. REMOVE AND DISPOSE OF EXISTING HOSE BIBB.
17. REMOVE AND DISPOSE OF EXISTING SEWER PIPE TO EXTENT SHOWN.
18. REMOVE AND DISPOSE OF EXISTING DOMESTIC WATER PIPE TO EXTENT SHOWN.
19. REMOVE AND DISPOSE OF EXISTING PORTABLE BUILDING, FOUNDATIONS, STAIRS AND RAMPS. UTILITIES TO BE REMOVED TO LIMITS OF DEMOLITION.
20. EXISTING SHED TO BE REMOVED.
21. REMOVE AND SALVAGE EXISTING WOOD BARRIER.
22. REMOVE AND DISPOSE OF EXISTING PLANTER BOX.

GRAPHIC SCALE

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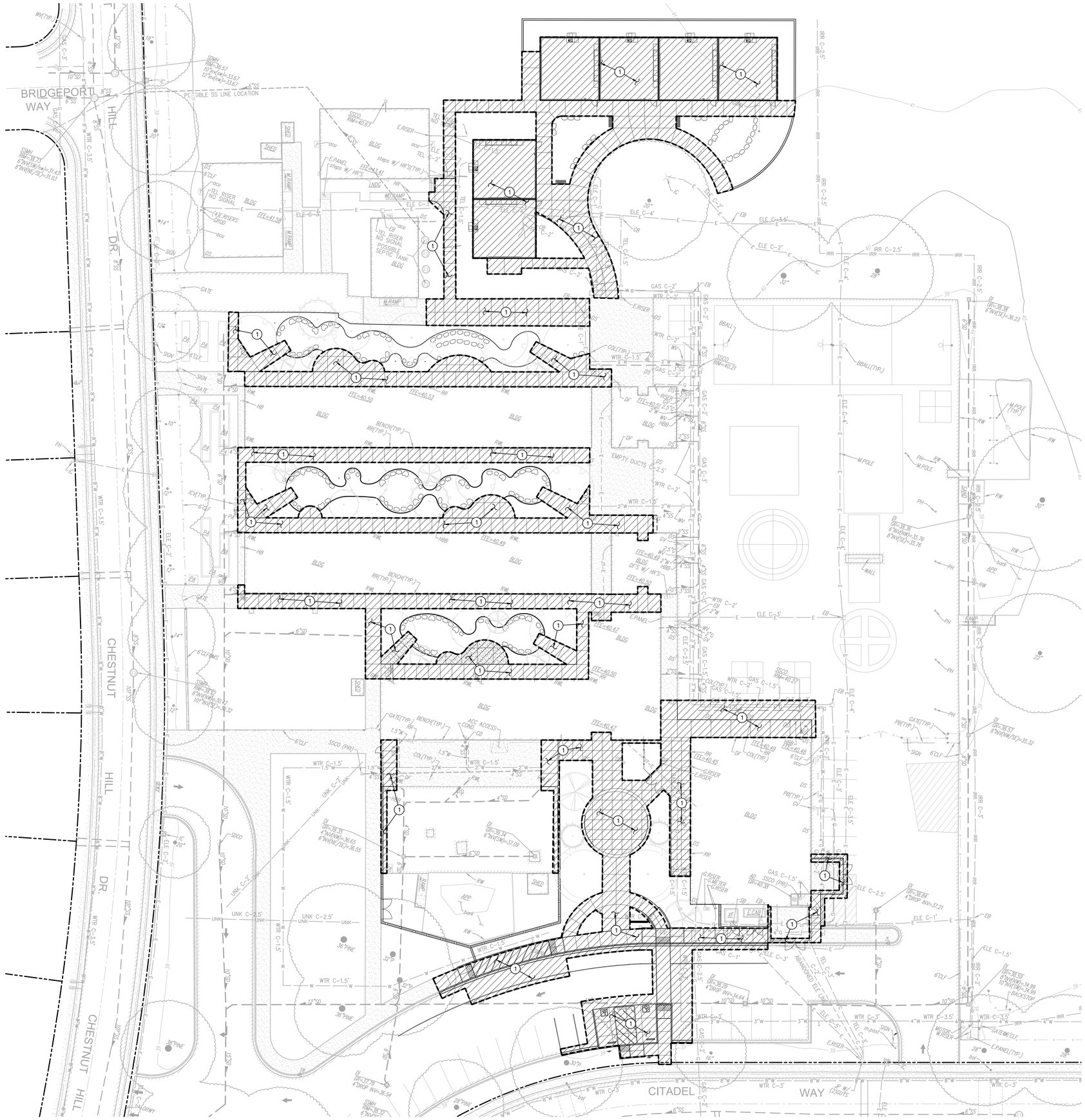
DEMOLITION PLAN

SHEET NO.

C1.1

INCREMENT NO. 1



SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES,

   FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   THE UPPER 6 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

   SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING..

GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER LABORATORY OF RECORD AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE 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. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GRAPHIC SCALE

20' 0 10' 20' 40'

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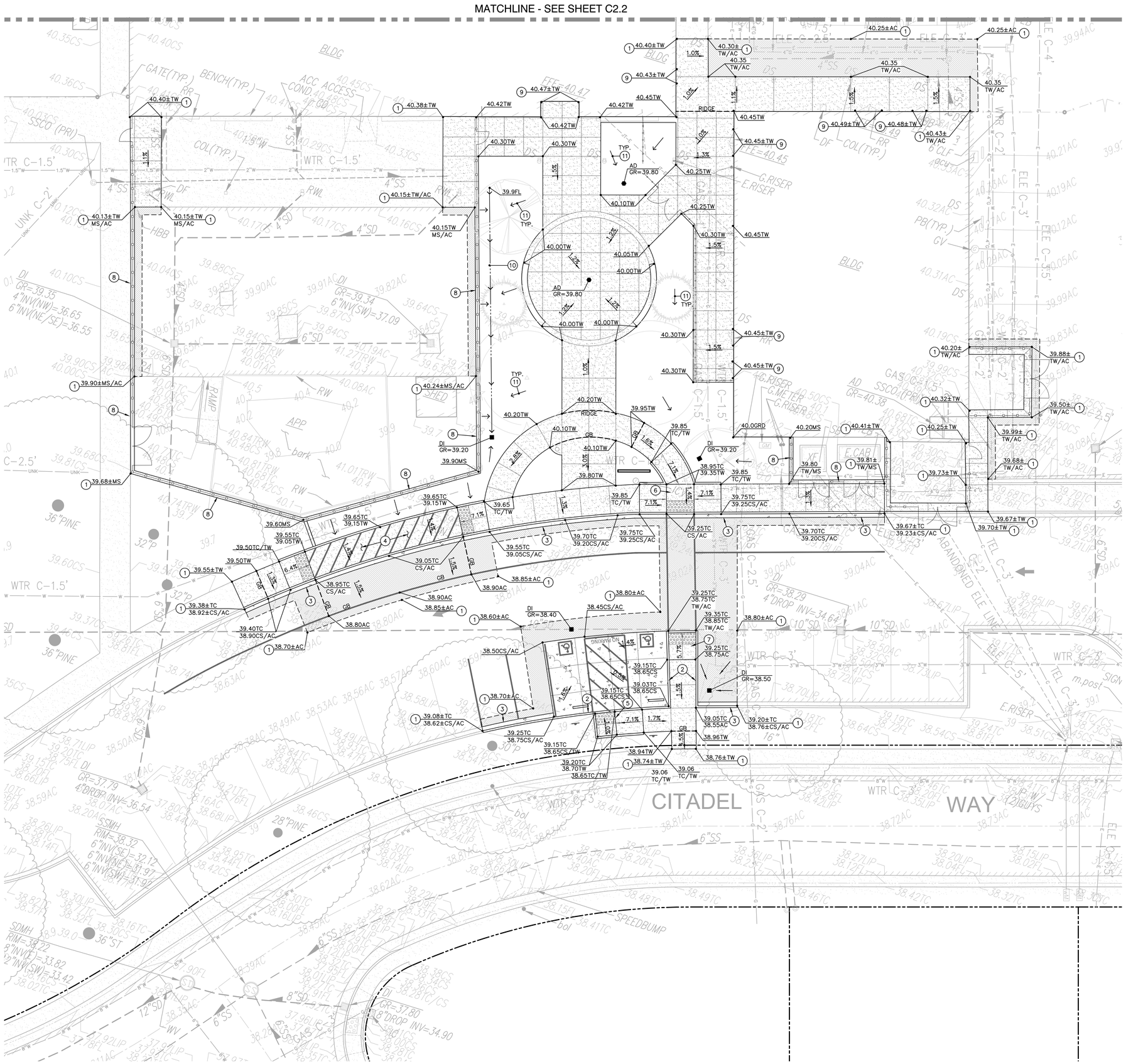
ENGINEERED FILL PLAN

SHEET NO.

C1.2

INCREMENT NO. 1



GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE CURB PER (2/C7.1)
3. CONSTRUCT CONCRETE CURB WITH BAND PER (8/C7.1)
4. CONSTRUCT 40FT LONG ACCESSIBLE LOADING/UNLOADING PER (4/C7.1)
5. CONSTRUCT ACCESSIBLE CURB RAMP #1 PER (5/C7.1)
6. CONSTRUCT ACCESSIBLE CURB RAMP #2 PER (6/C7.1)
7. CONSTRUCT ACCESSIBLE CURB RAMP #3 PER (7/C7.1)
8. CONSTRUCT 12" WIDE CONCRETE BAND PER (9/C7.1)
9. PROPOSED SIDEWALK ELEVATION SHALL BE FLUSH WITH EXISTING FLOOR ELEVATION.
10. CONSTRUCT SWALE.
11. GRADE UNIFORMLY TO INLET AND/OR SWALE.

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

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GRADING PLAN

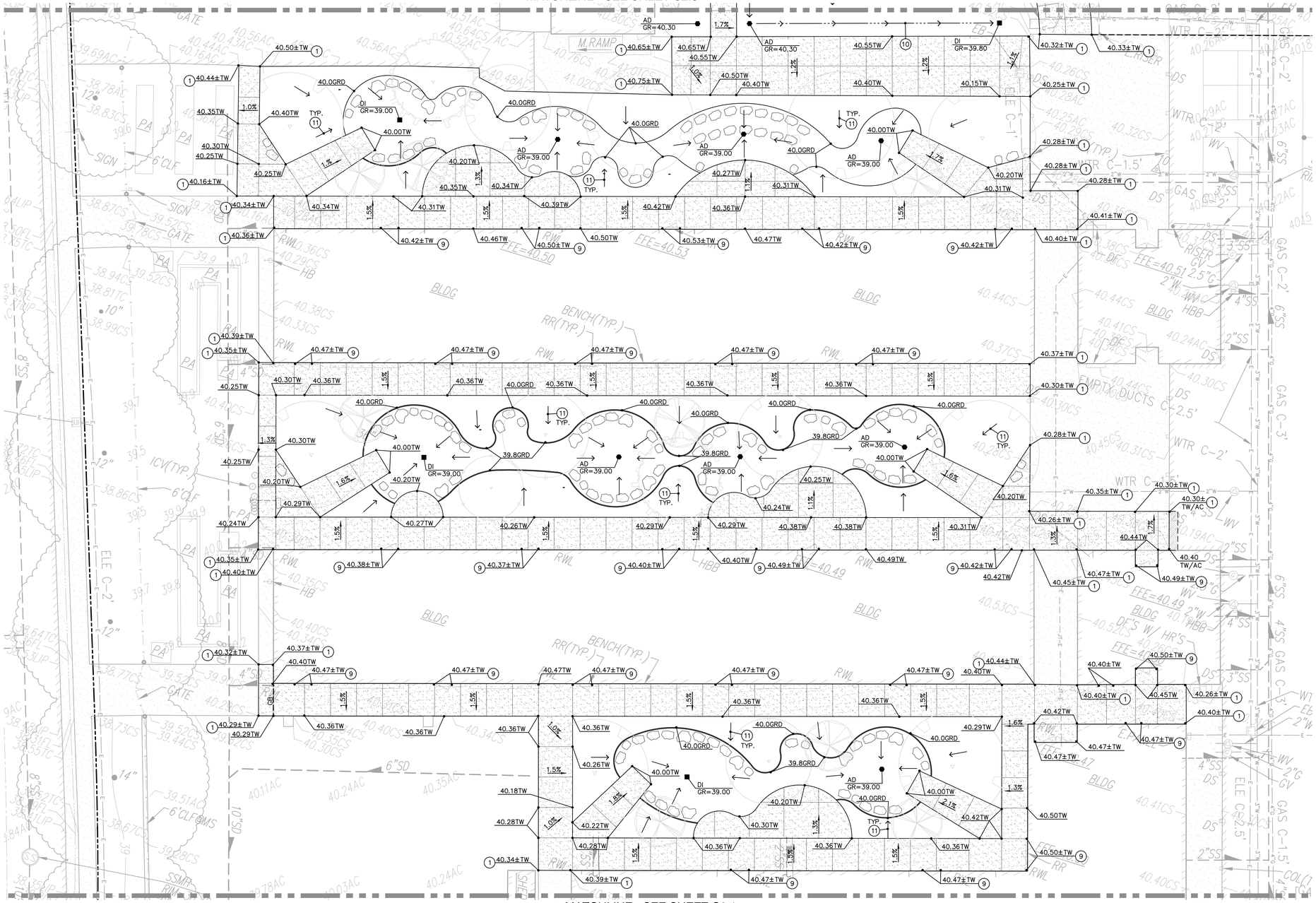
SHEET NO.

C2.1

FILENAME: I:\25-075\CIVIL\DWG\25-075-C21-C23.DWG

INCREMENT NO. 1

MATCHLINE - SEE SHEET C2.3



MATCHLINE - SEE SHEET C2.1

GRADING NOTES

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9. PROPOSED SIDEWALK ELEVATION SHALL BE FLUSH WITH EXISTING FLOOR ELEVATION.
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GRAPHIC SCALE

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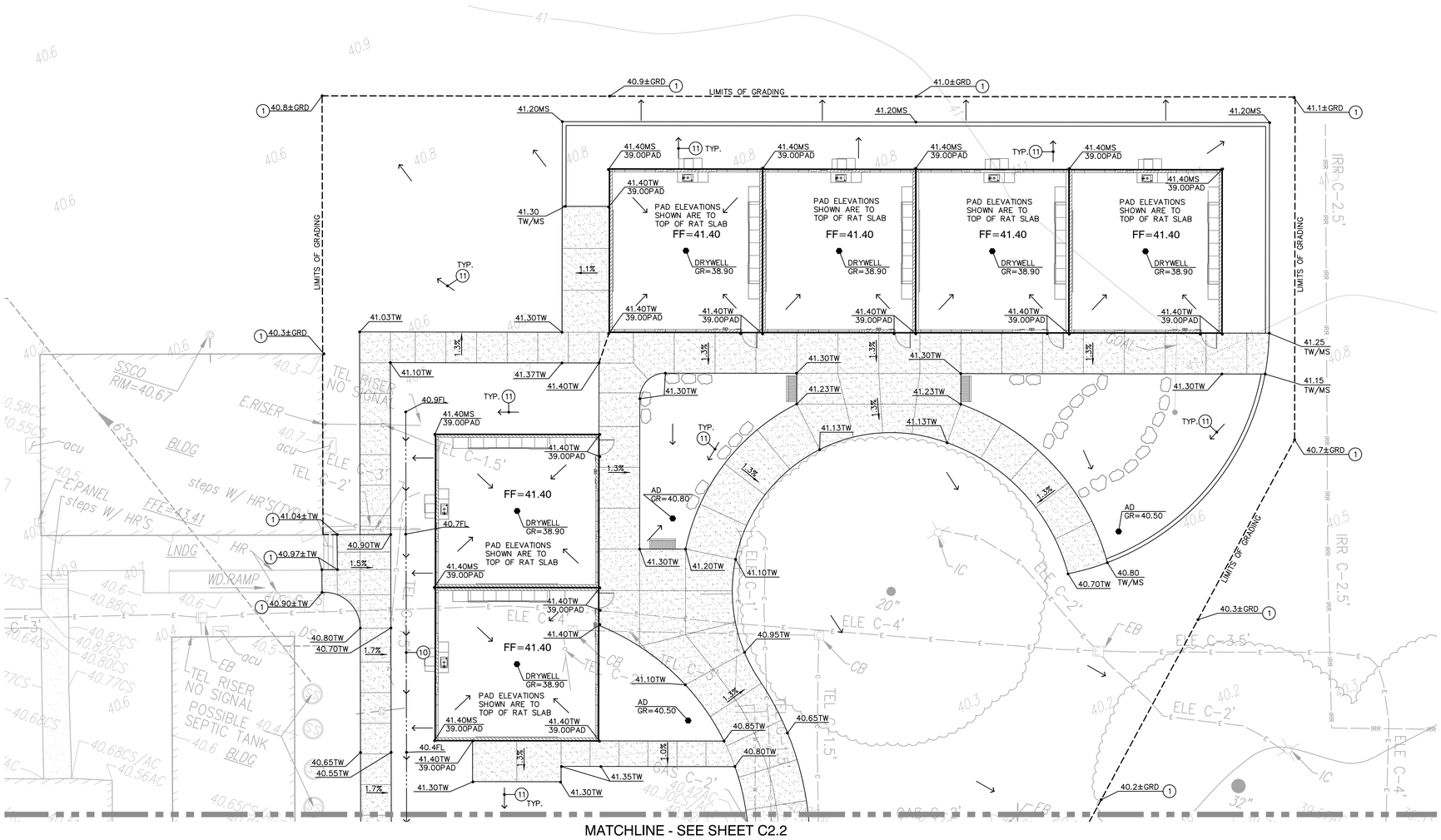

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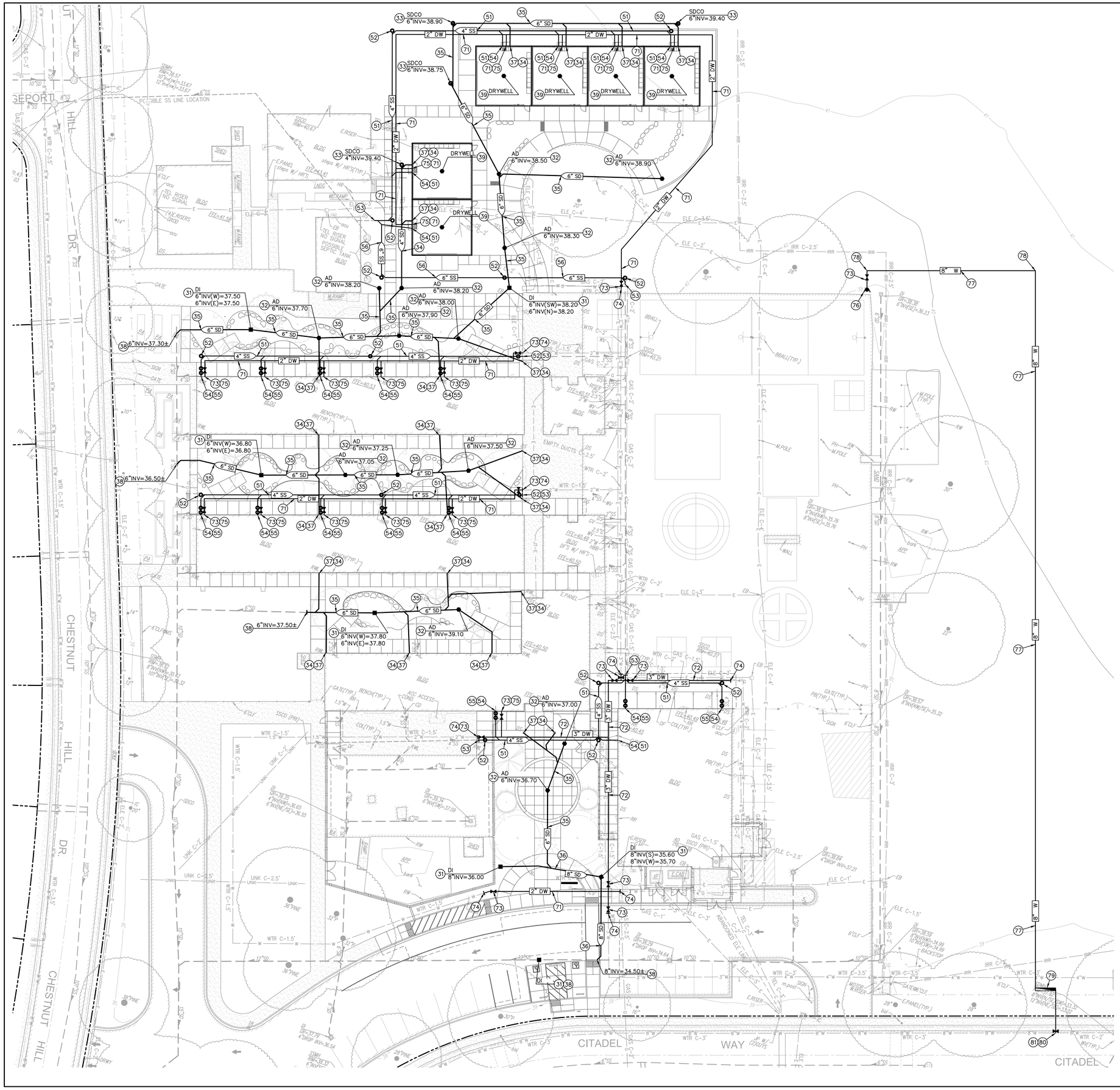

DRAINAGE NOTES

31. CONSTRUCT DROP INLET PER (1/C7.2)
32. CONSTRUCT AREA DRAIN PER (2/C7.2)
33. CONSTRUCT STORM DRAIN CLEANOUT PER (3/C7.2)
34. PLACE 4" STORM DRAIN PER
35. PLACE 6" STORM DRAIN PER
36. PLACE 8" STORM DRAIN PER
(34–36: 4/C7.2)
37. PROVIDE DOWNSPOUT CONNECTION PER (5/C7.2)
38. CONNECT TO EXISTING STORM DRAIN. POTHOLE AND FIELD VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
39. CONSTRUCT DRYWELL PER (11/C7.2)

SEWER NOTES

51. PLACE 4" SEWER PER (4/C7.2)
52. CONSTRUCT SEWER CLEANOUT PER (3/C7.2)
53. CONNECT TO EXISTING SEWER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
54. CONNECT TO BUILDING SEWER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
55. CONSTRUCT 2–WAY SEWER CLEANOUT PER (8/C7.2)
56. PLACE 6" SEWER PER (4/C7.2)

WATER NOTES

71. PLACE 2" WATER PER
72. PLACE 3" WATER PER
(71–72: 6/C7.2)
73. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE. (7/C7.2)
74. CONNECT TO EXISTING DOMESTIC WATER PIPE. FIELD 74. VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
75. CONNECT TO BUILDING DOMESTIC WATER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
76. PLACE FIRE HYDRANT PER (9/C7.2)
77. PLACE 8" WATER PER (6/C7.2)
78. CONSTRUCT CONCRETE THRUST BLOCK PER (10/C7.2)
79. CONTRACTOR SHALL FURNISH, INSTALL AND TEST AN 8" ZURN/WILKINS 350 ADA DOUBLE CHECK VALVE WITH FREEZE PROTECTION BAG PER CITY STANDARD DRAWING W–510. (12/C7.2)
80. CITY CREWS WILL INSTALL AN 8" FIRE TAP AND GATE VALVE FOR A FEE OF $5,133.00. CONTRACTOR SHALL PROVIDE ALL EXCAVATION, BACKFILL, SURFACE RESTORATION AND INSTALL AN 8" FIRE SERVICE CONNECTION PER CITY STD. DWG. T–80. CONTRACTOR SHALL FURNISH, INSTALL AND TEST AN 8" APPROVED DOUBLE CHECK VALVE PER CITY STD. DWG. W–510.
81. PLACE THRUST BLOCK PER CITY OF SACRAMENTO STD. DWG. NO. W–103.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

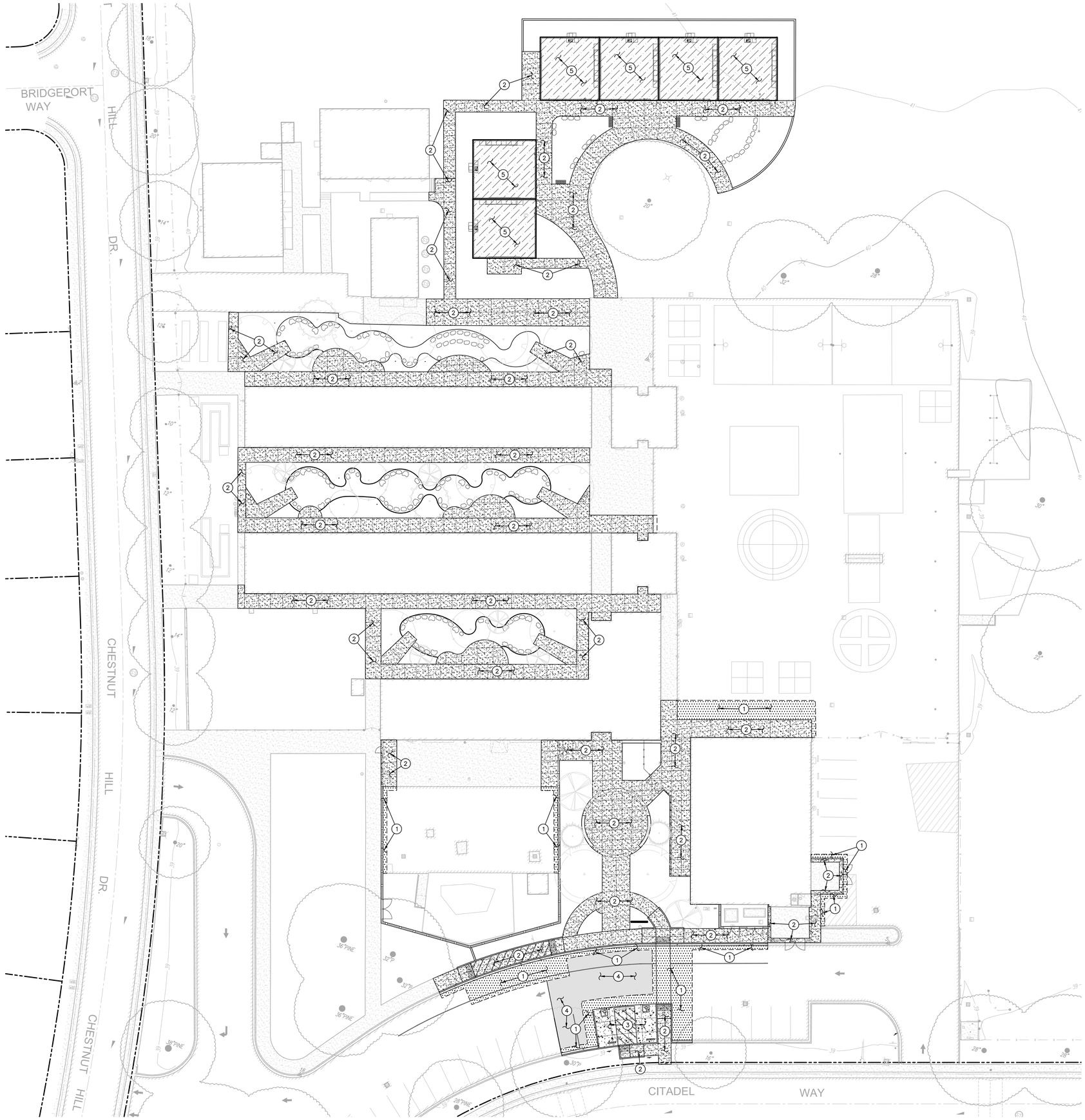
JOB NO.: Y2524.00

UTILITY PLAN

SHEET NO.

C3.1

INCREMENT NO. 1



PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION
5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

(1) TYPE 1 PAVING
PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS. PROVIDE 2 COATS OF SEAL COAT ON NEW PAVING.

(2) TYPE 3 PAVING
PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS. (1/C7.1)

(3) TYPE 3 PAVING
PLACE 6" PCC WITH #4 BAR AT 18" O.C.E.W. OVER 12" AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS. (1/C7.1)

(4) TYPE 4 PAVING
BLACK OUT EXISTING STRIPING, CRACK FILL AND PROVIDE TWO (2) APPLICATIONS OF SEAL COAT.

(5) TYPE 5 PAVING
PLACE 2" THICK 3–SACK CONCRETE SLURRY SLAB AT MODULAR CRAWL SPACE.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\25–075\CIVIL\DWG\25–075–C41.DWG

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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PAVING PLAN

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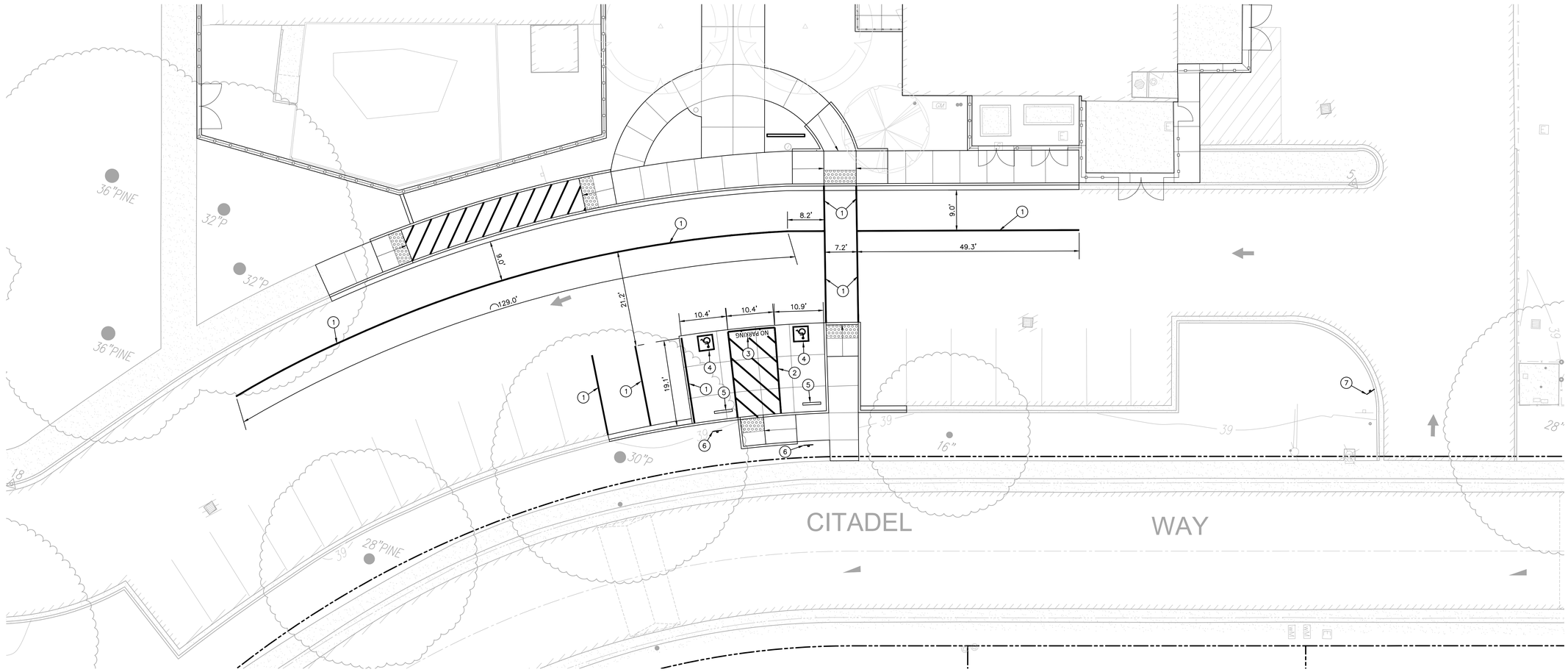
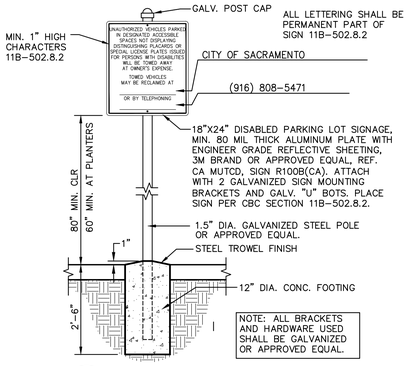
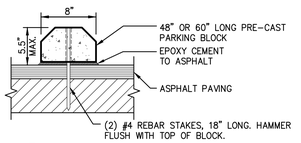


PARKING LOT STRIPING/SIGNAGE NOTES

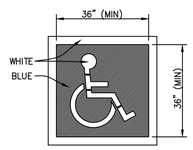
1. PAINT 4" WIDE WHITE STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
2. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
3. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
4. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL. (3/C5.1)
5. PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED. (2/C5.1)
6. INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL. POST MAY BE OMITTED WHERE FENCE IS PRESENT TO MOUNT SIGN AS SHOWN. MOUNT AT HEIGHT PER DETAIL WITH APPROPRIATE STAINLESS SCREWS. (1/C5.1)
7. INSTALL ACCESSIBLE PARKING TOW AWAY SIGN PER THE DETAIL PROVIDED. (4/C5.1)



4 C5.1 PARKING AREA SIGN (CALIFORNIA ONLY) NO SCALE

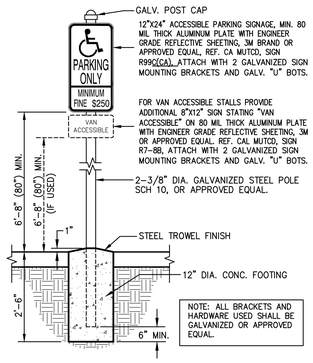


2 C5.1 CONCRETE WHEEL STOP NO SCALE



NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

3 C5.1 ACCESSIBLE STRIPING NO SCALE



1 C5.1 PARKING SIGNAGE ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\25-075\CIVIL\DWG\25-075-C51.DWG

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STRIPING PLAN

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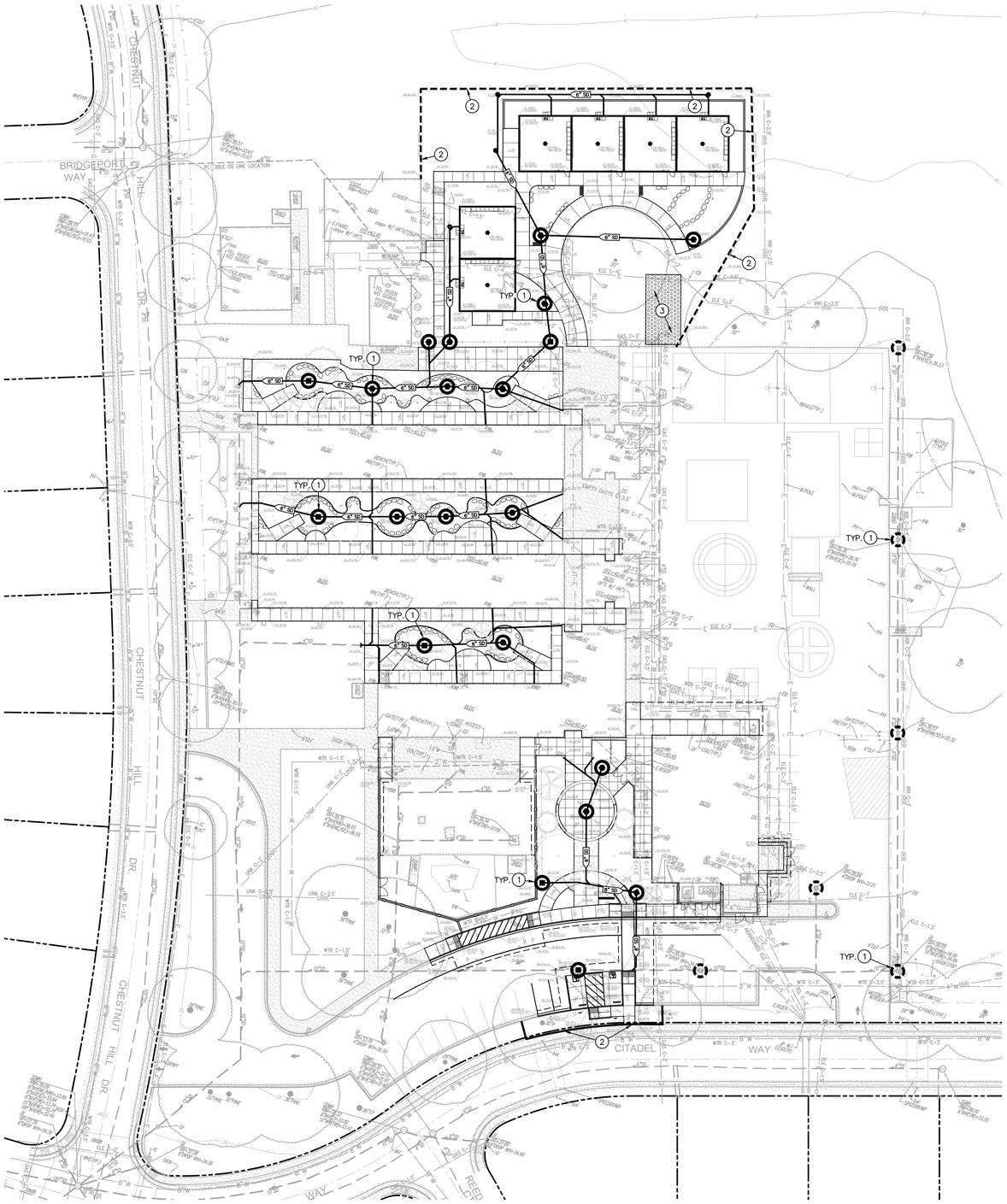
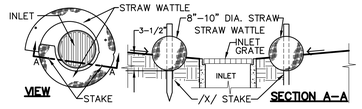
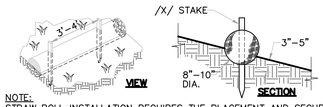




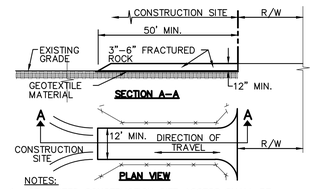
NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3–1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW WATTLE INLET FILTER
NO SCALE



NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"–5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW ROLLS
NO SCALE



NOTES:
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"–6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / C6.1 STABILIZED CONSTRUCTION SITE ACCESS
NO SCALE

WCE EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS. ONLY CLEAR WATER IS TO BE DISCHARGED INTO THE EXISTING DRAINAGE SYSTEM. IF PUMPING IS NECESSARY, FILTERS WILL BE REQUIRED TO ENSURE THAT ONLY CLEAR WATER IS DISCHARGED FROM THE SITE, PER CITY OF ELK GROVE STANDARDS. THE CONTRACTOR SHALL VERIFY THE DISCHARGE POINT WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL VERIFY THAT THE POINT OF DISCHARGE CAN HANDLE THE VELOCITY AND QUANTITY OF FLOW.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING. REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON–SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND S.W.P.P.P. PLAN FOR ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER NON–CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTENT, THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH CITY OF ELK GROVE PERSONNEL PRIOR TO ANY FENCING PLACEMENT.
9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED THROUGH THE SCHOOL AND ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
10. ALL DISTURBED AREAS NOT BEING PAVED/LANDSCAPED, SHALL BE HYDROSEEDED.

EROSION CONTROL MEASURES TO BE PLACED ON ALL EXPOSED AREAS DISTURBED BY CONSTRUCTION PRIOR TO ANY RAIN EVENT, I.E. BLANKETS, SOIL STABILIZERS, ETC.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WTHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																
	WET SEASON					WET & DRY SEASON											
	EROSION CONTROLS	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X			X			X										
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
UNDERGROUND WORK		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
STORM IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
CURB AND GUTTER	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
STREET IMPROVEMENTS	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
PAVE OUT				X	X		X	X		X	X			X		X	X
POST CONSTRUCTION		X	X	X	X												
MAINTENANCE SCHEDULE																	
DAILY*																	
WEEKLY*		X	X		X	X		X		X	X	X	X		X	X	
MONTHLY*																	
BEFORE RAIN	X	X	X		X	X		X		X	X	X	X				
DURING RAIN	X	X	X		X	X		X		X	X	X	X				
AFTER RAIN	X	X	X		X	X		X		X	X	X	X				
AS NEEDED				X			X							X			

* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.

LEGEND

NEW EX

EROSION CONTROL NOTES

NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON–SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / C6.1)
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL (3 / C6.1)

ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

GRAPHIC SCALE
30' 0 15' 30' 60'
(IN FEET) 1 inch = 30 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\25–075\CIVIL\DWG\25–075–C61.DWG

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EROSION CONTROL PLAN

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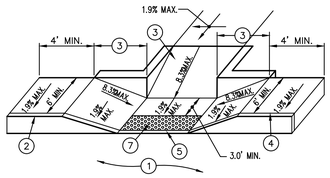
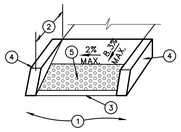


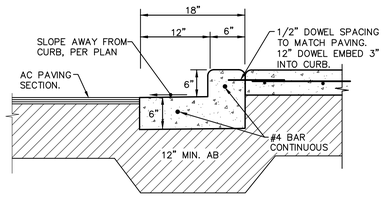
LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 12" WIDE CONCRETE CURB WITH FENCE
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. (3 / C7.1)

6 / C7.1 ACCESSIBLE CURB RAMP #2
NO SCALE



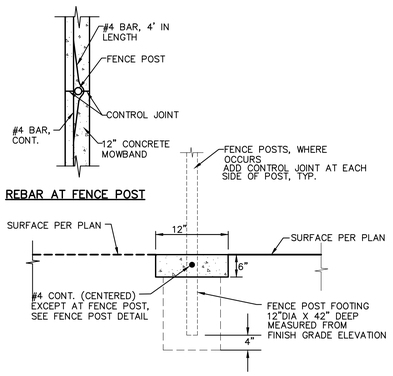
LEGEND
1. PAVEMENT.
2. 8.3% (1:12) MAXIMUM SLOPE, 2.0% MAX CROSS SLOPE.
3. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
4. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
5. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. DETECTABLE WARNINGS AT CURB RAMPS SHALL EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN LESS 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER OR STREET. (3 / C7.1)

7 / C7.1 ACCESSIBLE CURB RAMP #3
NO SCALE

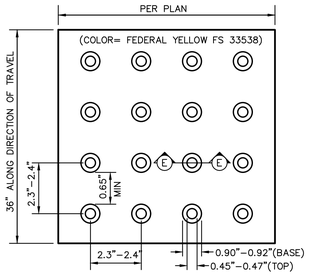


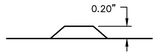
NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
2. AT E.J. USE 1/2"X24" SMOOTH STEEL DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

8 / C7.1 CONCRETE CURB AND BAND
NO SCALE

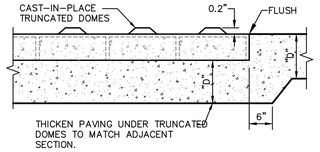


9 / C7.1 12" WIDE CONCRETE BAND
NO SCALE





SECTION E-E



3 / C7.1 TRUNCATED DOMES
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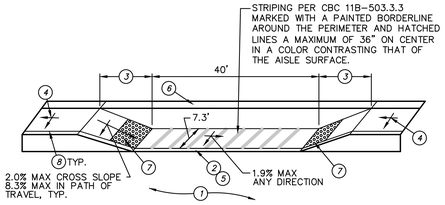
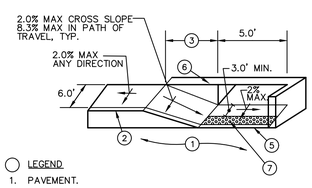


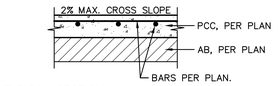
LEGEND
1. PAVEMENT.
2. FLUSH CONCRETE CURB.
3. 8% (1:12) MAXIMUM SLOPE, 6' MIN. LENGTH.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX. ALL DIRECTIONS, PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.3.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A CONTINUOUS SLOPE NOT EXCEEDING 1:20 MAX FOR 10'.
6. 6" WIDE RETAINING CURB.
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF RAMP LESS 2 INCHES ON EITHER SIDE OF RAMP, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR-TILE OR APPROVED EQUAL. (3 / C7.1)
8. SCORE MARK, 6" BEHIND BACK OF CURB

4 / C7.1 LOADING/UNLOADING ZONE
NO SCALE

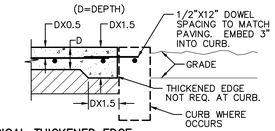


LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE, 2.0% MAX CROSS SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. DETECTABLE WARNINGS AT CURB RAMPS SHALL EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN LESS 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER OR STREET. (3 / C7.1)

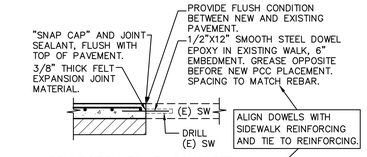
5 / C7.1 ACCESSIBLE CURB RAMP #1
NO SCALE



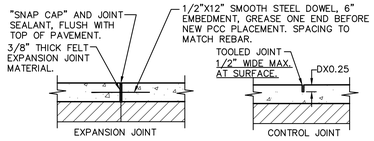
TYPICAL SECTION



TYPICAL THICKENED EDGE



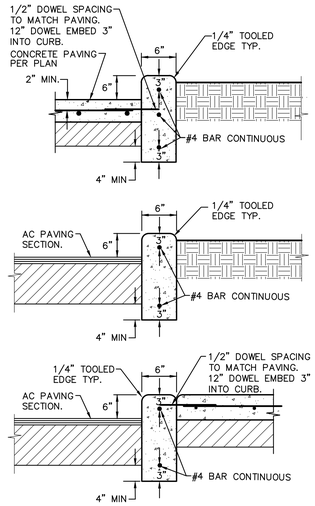
CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 / C7.1 CONCRETE SIDEWALK
NO SCALE



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 / C7.1 CONCRETE CURB
NO SCALE

AGENCY APPROVAL — DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

Sacramento City Unified School District

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REVISIONS

NO.	DESCRIPTION	DATE

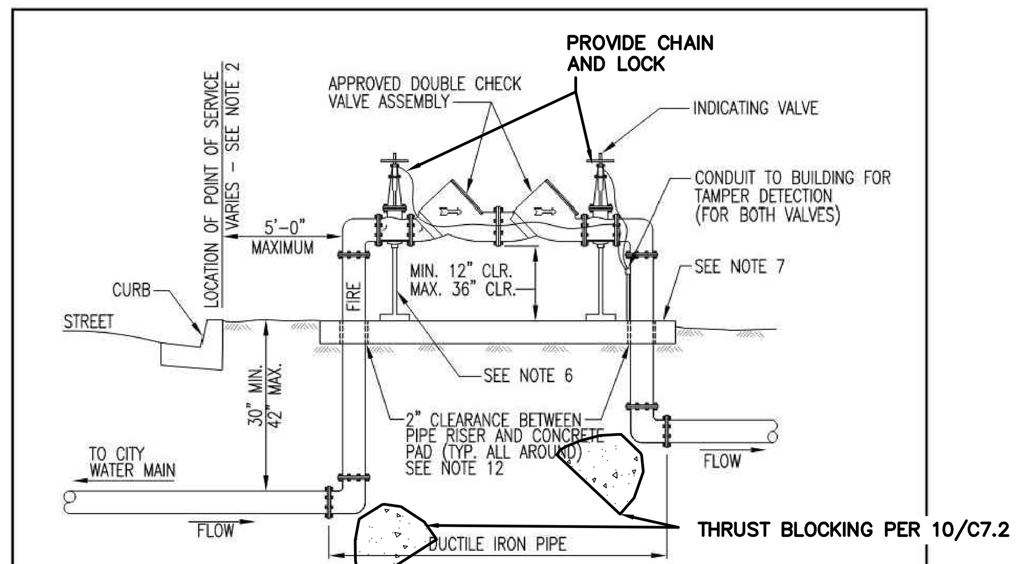
DATE: 12/12/2025
JOB NO.: Y2524.00

DETAILS AND SECTIONS

SHEET NO.
C7.1

FILENAME: I:\25-075\CIVIL\DWG\25-075-C71-C72.DWG

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



4-INCH AND LARGER FIRE SERVICE
WITH APPROVED DOUBLE CHECK VALVE ASSEMBLY

NOTES:
1. DOUBLE CHECK VALVE ASSEMBLIES SHALL BE CONNECTED TO CITY WATER AND TESTED PRIOR TO BEING PLACED INTO SERVICE.
2. POINT OF SERVICE:
   A. POINT OF SERVICE IS THE BACK OF CURB FOR ALL CITY STREETS WITH PLANTER STRIPS.
   B. POINT OF SERVICE IS THE BACK OF SIDEWALK FOR STREETS WITH SIDEWALK CONTIGUOUS WITH CURB AND GUTTER.
   C. POINT OF SERVICE IS THE RIGHT-OF-WAY LINE ON ALL ALLEYS AND UNIMPROVED STREETS.
   D. WHERE THE POINT OF SERVICE IS UNCLEAR THE LOCATION SHALL BE DETERMINED BY THE CROSS CONNECTION CONTROL SPECIALIST.
3. LISTS OF APPROVED DOUBLE CHECK VALVE ASSEMBLIES AND CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTERS ARE AVAILABLE AT THE DEPARTMENT OF UTILITIES CUSTOMER SERVICE COUNTER LOCATED AT 1395 35TH AVENUE.
4. THE DOUBLE CHECK VALVE ASSEMBLIES SHALL BE INSTALLED ABOVE GROUND, IN A HORIZONTAL AND LEVEL POSITION. THE ASSEMBLY SHALL BE LOCATED ON THE CUSTOMER'S SIDE AND NO FURTHER THAN FIVE (5) FEET FROM THE POINT OF SERVICE.
5. OUTLETS, TAPS, TEES, OR CONNECTIONS BETWEEN THE WATER MAIN AND BACKFLOW PREVENTER ARE NOT ALLOWED.
6. SUPPORTS ARE REQUIRED FOR ASSEMBLIES. **WATTS OR APPROVED EQUAL**
7. CONCRETE PAD IS REQUIRED FOR ALL DOUBLE CHECK VALVE ASSEMBLIES ON FIRE SERVICES.
8. FOR SPECIFIC FIRE DEPARTMENT REQUIREMENTS, CONTACT CITY FIRE DEPARTMENT.
9. FREEZE BAG PROTECTION IS RECOMMENDED. BAGS USED FOR FREEZE PROTECTION SHALL BE LABELED "FIRE" IN A CONTRASTING COLOR. BAG SHALL HAVE OPENING FOR STEM IF OS&Y VALVES ARE USED.
10. BACKFLOW ASSEMBLIES MAY BE PAINTED RED AND PAINT SHALL NOT COVER THE MANUFACTURER'S IDENTIFICATION PLATE.
11. STANDARD SIGN IS REQUIRED TO BE INSTALLED ON BACKFLOW ASSEMBLY TO READ "FIRE SERVICE/CONNECTION". SIGN MUST BE PAINTED IN A CONTRASTING COLOR.
12. A 2" CLEARANCE SPACE MUST BE MAINTAINED AROUND ASSEMBLY PIPE RISERS AND CONCRETE PAD.
13. INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT CROSS CONNECTION CONTROL POLICY.

R:\Utilstds_New_Std_Details\Water_Utilities\W-510

REV.	DATE	DESCRIPTION
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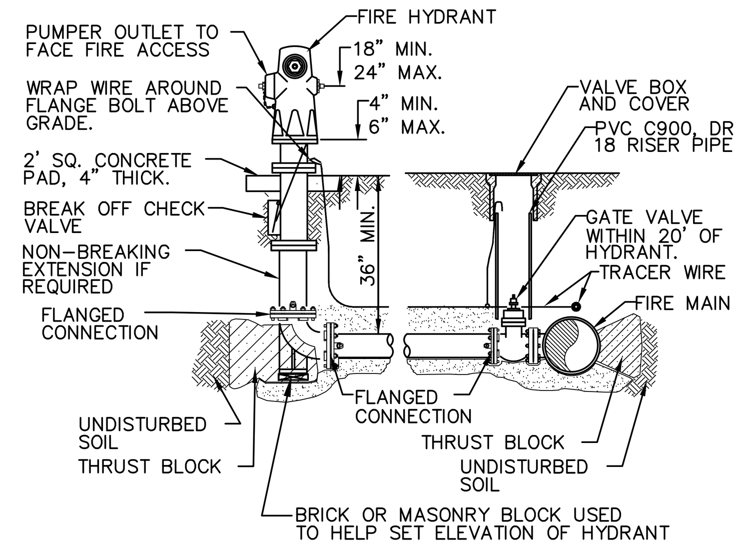
CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES
4-INCH & LARGER FIRE SERVICE WITH DOUBLE CHECK VALVE ASSEMBLY
APPR'D BY: [signature] NO SCALE
DATE: MAY 2007 DWG. NO. **W-510**

12 / C7.2 DOUBLE CHECK ASSEMBLY
NO SCALE



NOTES:
1. AFTER INSTALLATION OF, RODS, NUTS, BOLTS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES, EXCEPT THRUST BLOCKS, CLEAN AND THOROUGHLY COAT ALL METAL SURFACES WITH A BITUMINOUS OR OTHER ACCEPTABLE CORROSION-RETARDING MATERIAL.
2. ALL PIPES AND FITTINGS SHALL BE WRAPPED AND BEDDED IN SAND.
3. IF HYDRANT IS LOCATED IN CONCRETE PAVING PROVIDE AN INDEPENDENT 4" MIN THICK, 3'X3' CONCRETE PAD SLOPED TO MATCH PAVEMENT GRADES.

9 / C7.2 FIRE HYDRANT DETAIL
NO SCALE

REQUIRED BEARING AREAS IN SQ. FT.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELL	5	11	18	27	39
	45° ELL	3	6	10	15	21
	22.5° ELL	2	3	5	8	11
	11.25° ELL	1	2	3	4	5
	TEE	4	8	13	19	27
	DEAD END	4	8	13	19	27
GATE VALVE 4" OR LARGER						
#4 BARS, TRENCH, KEY 6" MIN.		4	8	13	19	27

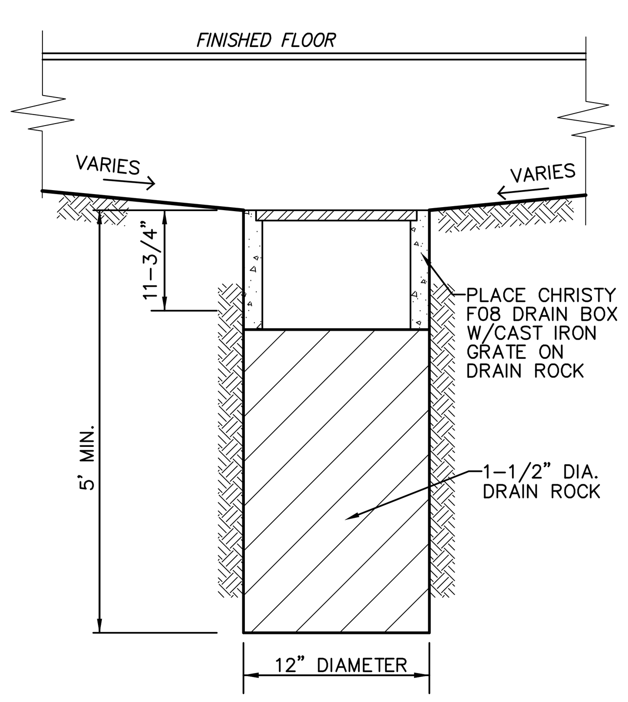
VERTICAL THRUST BLOCKS REQUIRED
CONCRETE VOLUME, IN CY.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELBOW	1.3	2.6	4.5	6.8	9.6
	45° ELL	0.7	1.4	2.6	4.1	5.9
	22.5° ELL	0.4	0.8	1.4	2.2	3.2
	11.25° ELL	0.2	0.4	0.7	1.1	1.6
	REDUCER	0.9	0.7	1.2	1.8	2.6

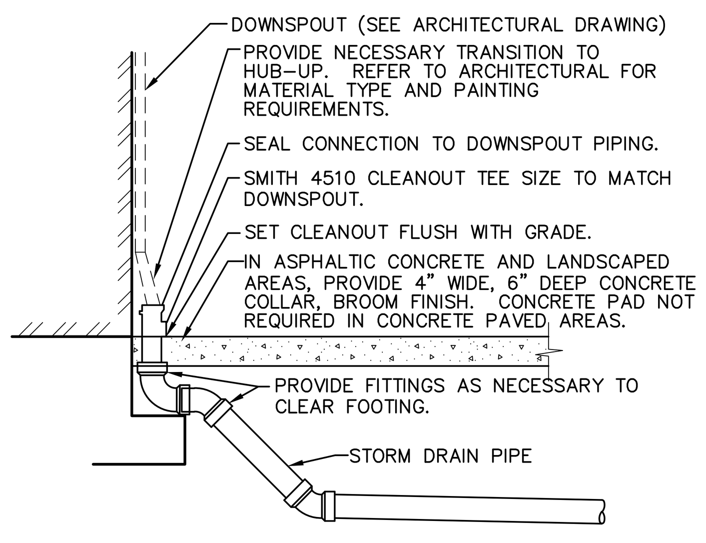
W/ MIN. 2 #5 REBAR TIES, TYP.

NOTES
1. THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2000 PSI CONCRETE MIN.
2. AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 1500 POUNDS PER SQUARE FOOT (137.9 BARS).
3. BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL, 12 INCH THICK MINIMUM.
4. THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.
5. WRAP ALL FITTINGS BEFORE PLACING CONCRETE.

10 / C7.2 THRUST BLOCKS
NO SCALE



11 / C7.2 DRYWELL
NO SCALE



5 / C7.2 DOWNSPOUT CONNECTION
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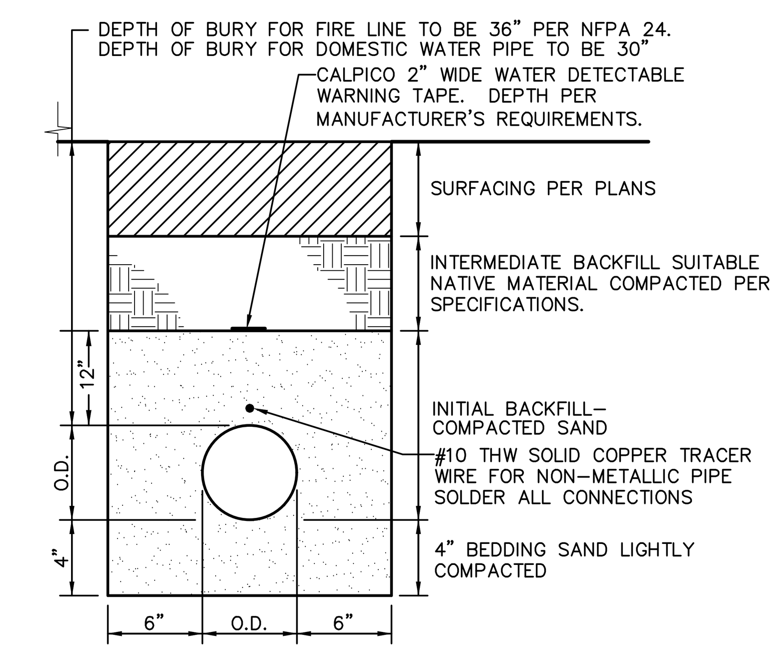
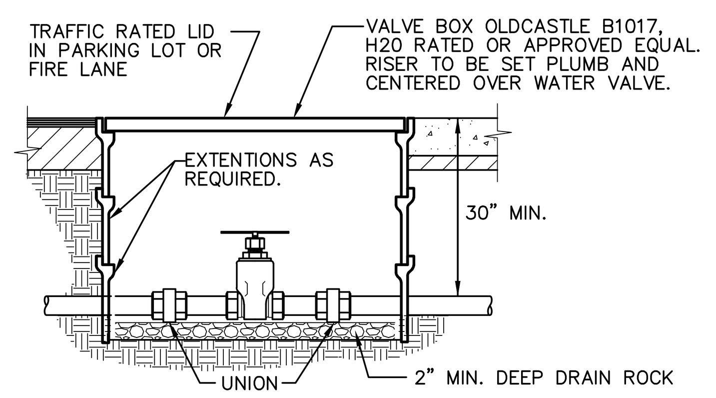
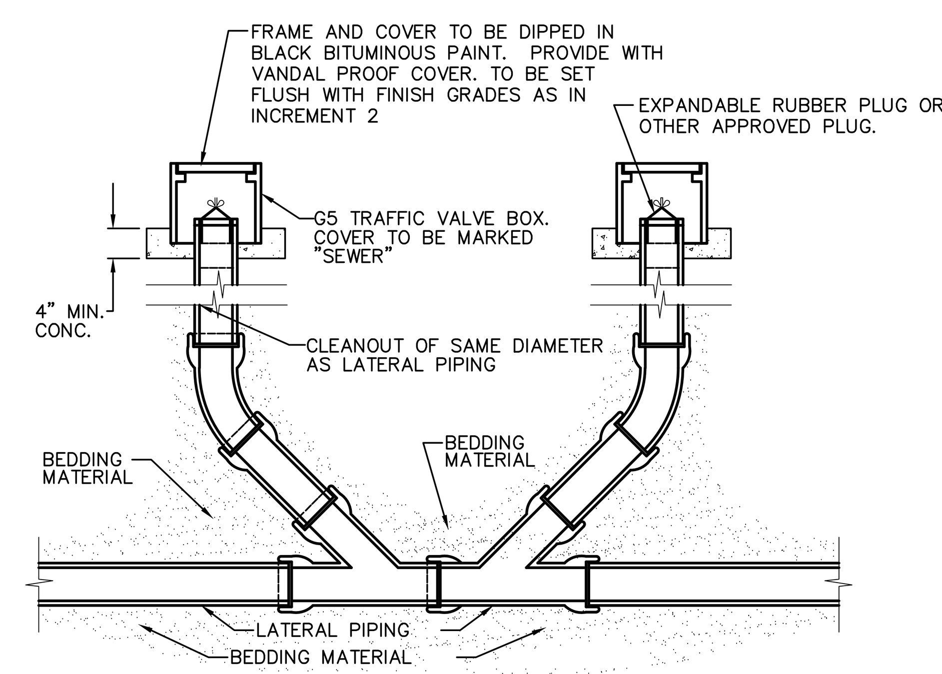


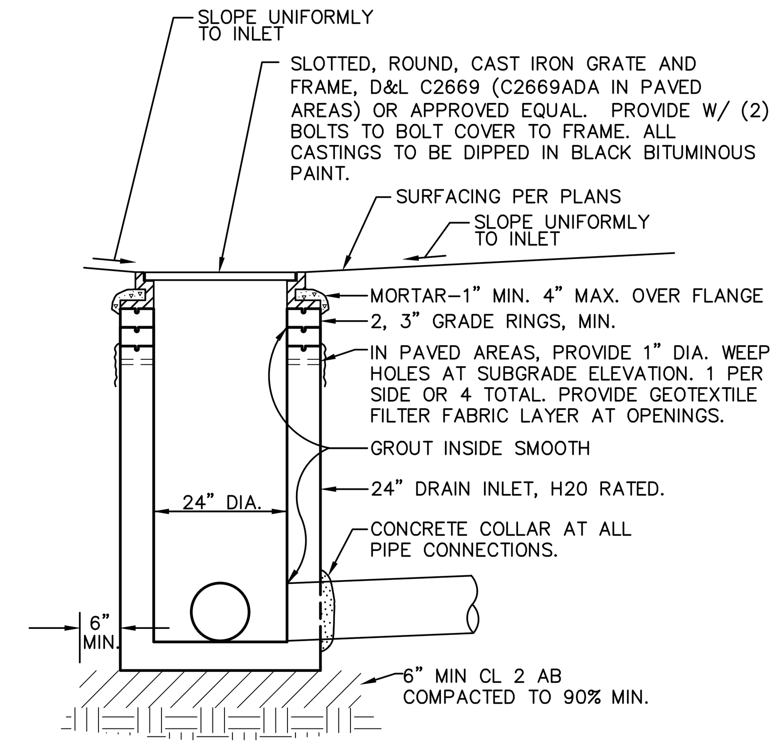
6 / C7.2 WATER TRENCH
NO SCALE



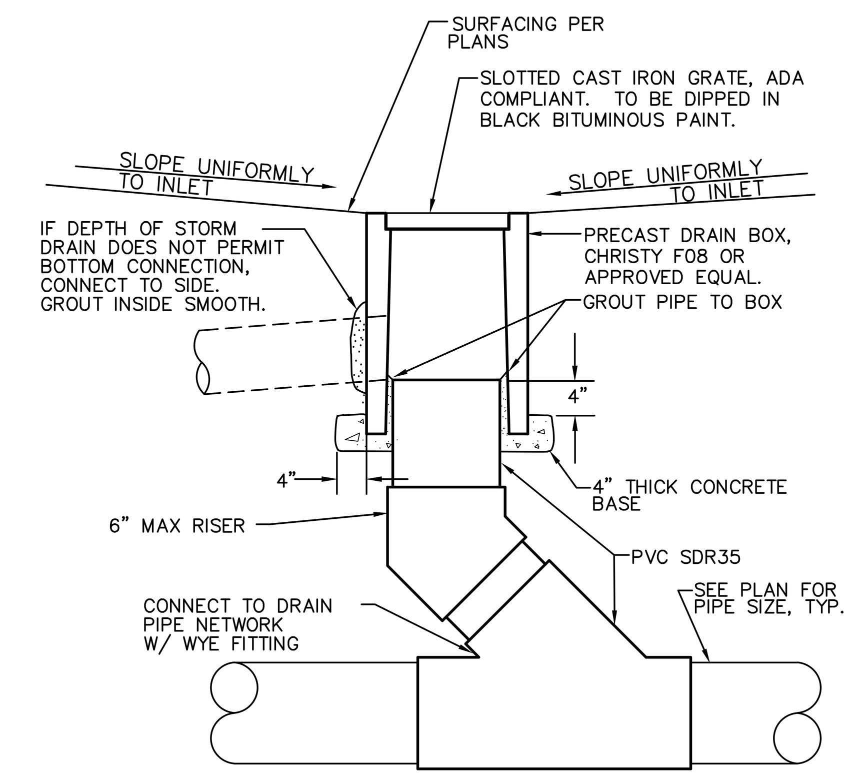
7 / C7.2 WATER VALVE
1/2" TO 3" PIPE
NO SCALE



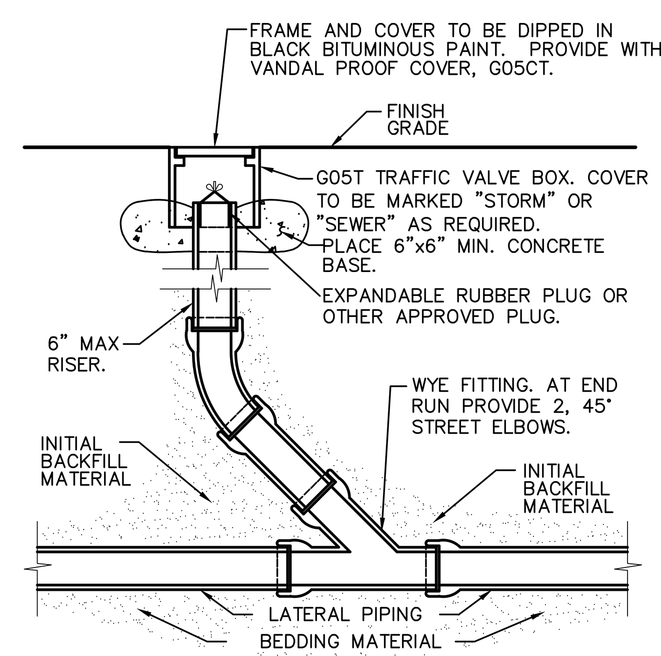
8 / C7.2 2-WAY SEWER CLEANOUT
NO SCALE



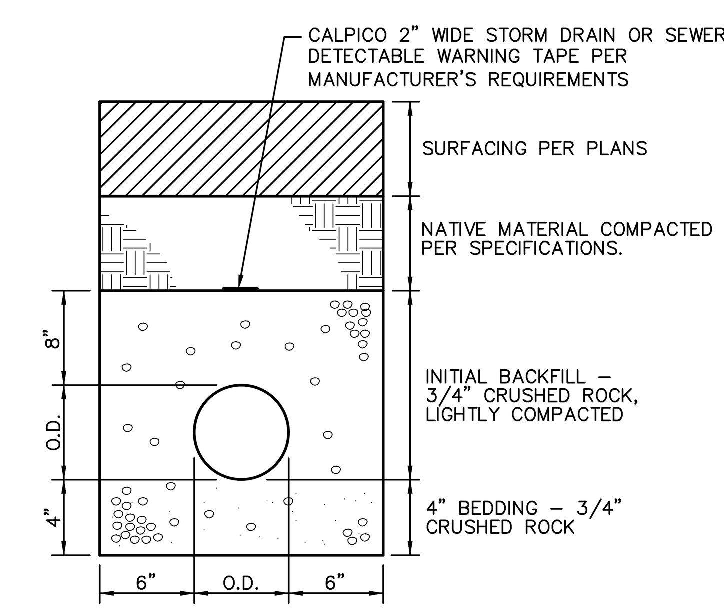
1 / C7.2 DROP INLET
NO SCALE



2 / C7.2 AREA DRAIN
NO SCALE



3 / C7.2 CLEANOUT
NO SCALE



4 / C7.2 STORM DRAIN AND SEWER TRENCH
NO SCALE

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
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REVISIONS

NO.	DESCRIPTION	DATE

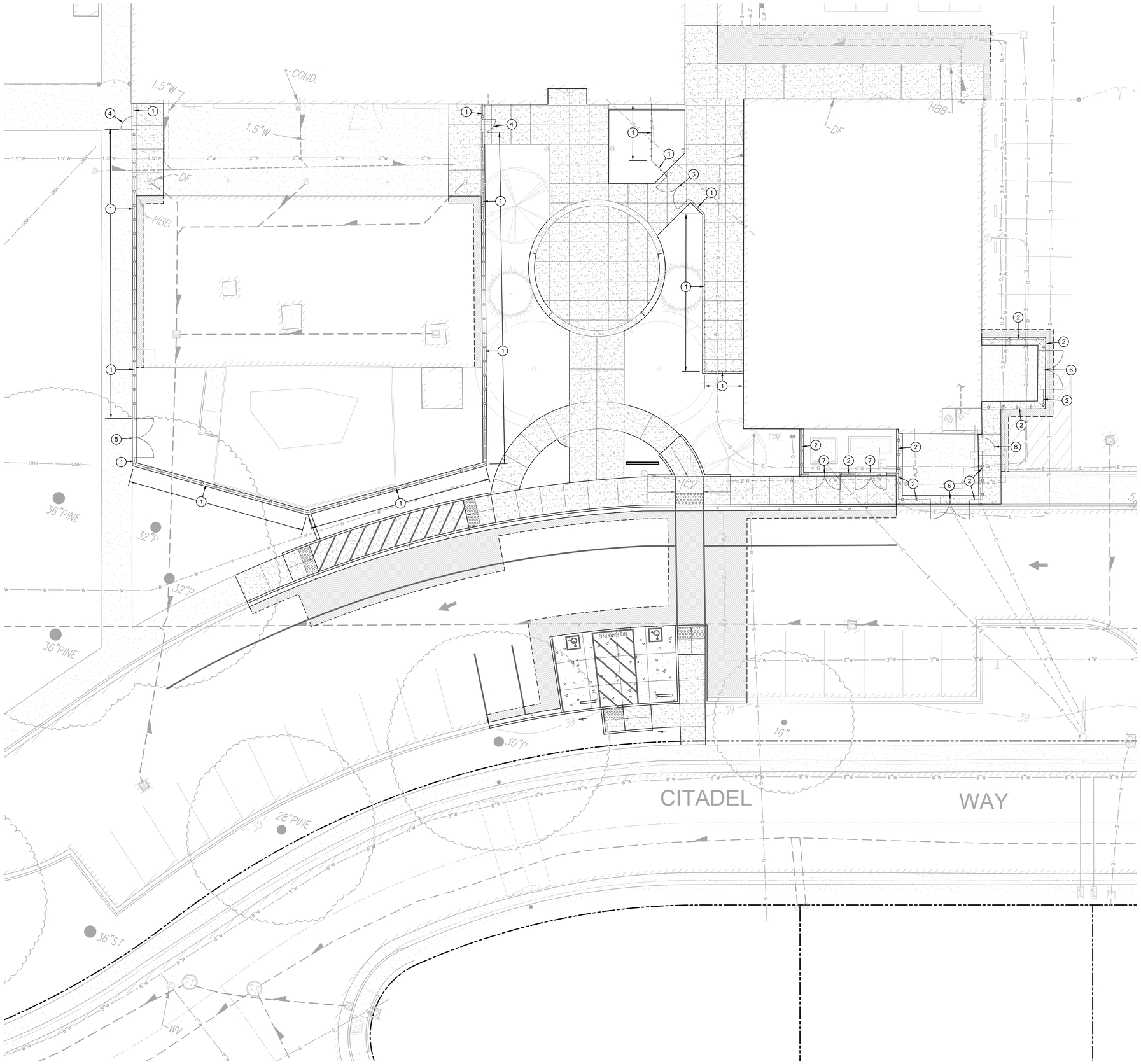
DATE: 12/12/2025
JOB NO.: Y2524.00

DETAILS AND SECTIONS

SHEET NO.
C7.2

FILENAME: I:\25-075\CIVIL\DWG\25-075-C71-C72.DWG

INCREMENT NO. 1



FENCING NOTES

1. PLACE 7 FT BLACK ORNAMENTAL IRON FENCE PER SEE SPECIFICATION SECTION 323119. (1/C8.2)
2. PLACE 8 FT BLACK ORNAMENTAL IRON FENCE WITH MOZ PANELS FOR SCREENING PER SEE SPECIFICATION SECTION 323119. (1/C8.2)
3. CONSTRUCT ACCESSIBLE TWO-LEAF (40" WIDE LEAFS) ORNAMENTAL GATE PER SEE SPECIFICATION SECTION 323119. (4/C8.2)
4. CONSTRUCT ACCESSIBLE SINGLE-LEAF (40" WIDE LEAF) ORNAMENTAL GATE PER SEE SPECIFICATION SECTION 323119. (5/C8.2)
5. CONSTRUCT 7' TALL, 10' WIDE, BLACK ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2/C8.2)
6. CONSTRUCT 8' TALL, 10' WIDE, BLACK ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE WITH MOZ PANELS. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2/C8.2)
7. CONSTRUCT 8' TALL, 8' WIDE, BLACK ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE WITH MOZ PANELS. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2/C8.2)
8. CONSTRUCT 8' TALL, 40" WIDE, BLACK ORNAMENTAL SINGLE SWING MAINTENANCE ACCESS GATE WITH MOZ PANELS. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (7/C8.2)

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\25-075\CIVIL\DWG\25-075-C81.DWG

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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NO.	DESCRIPTION	DATE

DATE: 12/12/2025

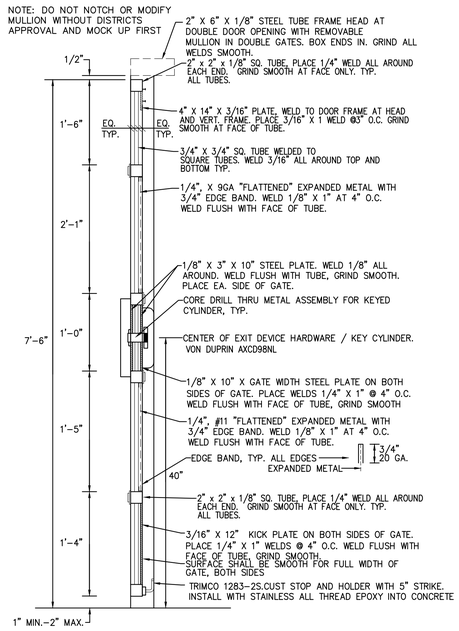
JOB NO.: Y2524.00

FENCING AND GATE PLAN

SHEET NO.

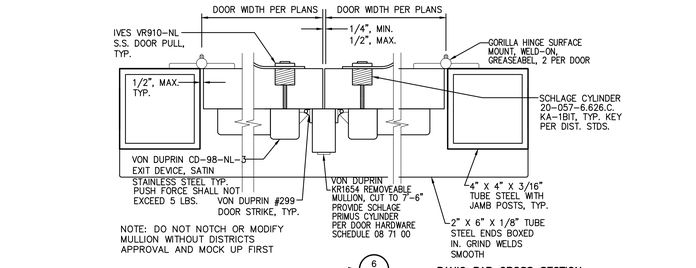
C8.1

INCREMENT NO. 1

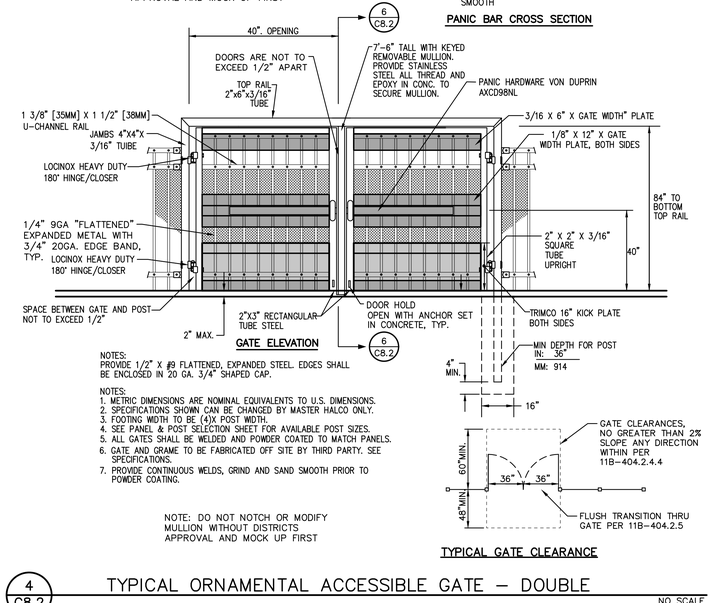


6 / C8.2 SECTION; FABRICATED METAL DOOR

NO SCALE



PANIC BAR CROSS SECTION



GATE ELEVATION

NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP.

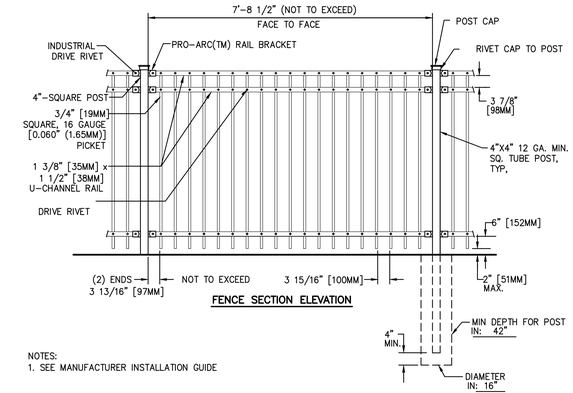
NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND POWDER COATED TO MATCH PANELS.
6. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
7. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

TYPICAL GATE CLEARANCE

NOTE: DO NOT NOTCH OR MODIFY MULLION WITHOUT DISTRICTS APPROVAL AND MOCK UP FIRST

4 / C8.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE – DOUBLE

NO SCALE

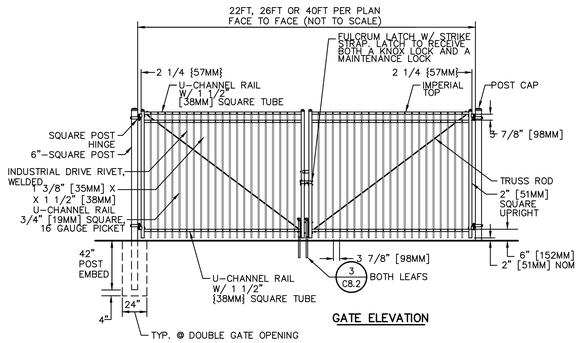


FENCE SECTION ELEVATION

NOTES:
1. SEE MANUFACTURER INSTALLATION GUIDE

1 / C8.2 TYPICAL ORNAMENTAL FENCING

NO SCALE

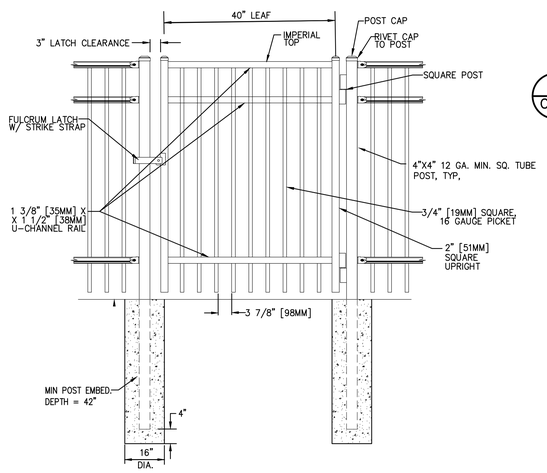


GATE ELEVATION

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM]

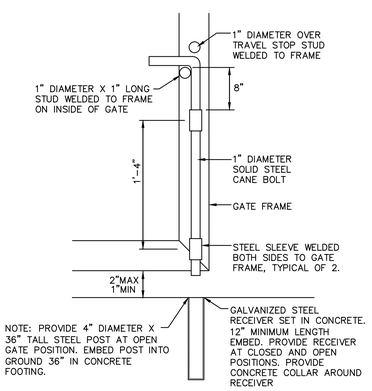
2 / C8.2 TYPICAL ORNAMENTAL MAINTENANCE GATE

MAINTENANCE AND FIRE ACCESS ONLY, NON-ACCESSIBLE — NO SCALE



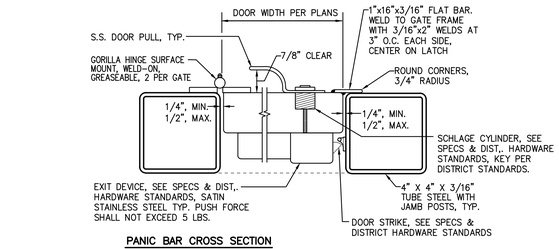
7 / C8.2 MAINTENANCE GATE

NO SCALE

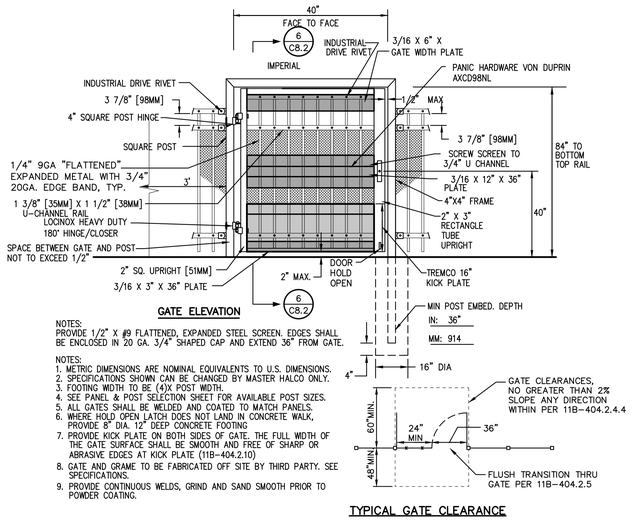


3 / C8.2 CANE BOLT DETAIL

NO SCALE



PANIC BAR CROSS SECTION



GATE ELEVATION

NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL SCREEN. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP AND EXTEND 36" FROM GATE.

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND COATED TO MATCH PANELS.
6. WHERE HOLD OPEN LATCH DOES NOT LAND IN CONCRETE WALK, PROVIDE 8" DIA. 12" DEEP CONCRETE FOOTING
7. PROVIDE KICK PLATE ON BOTH SIDES OF GATE. THE FULL WIDTH OF THE GATE SURFACE SHALL BE SMOOTH AND FREE OF SHARP OR ABRASIVE EDGES AT KICK PLATE (11B-404.2.10)
8. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
9. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

TYPICAL GATE CLEARANCE

5 / C8.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE – SINGLE

NO SCALE

AGENCY APPROVAL — DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

Sacramento City Unified School District

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J TASSANO — NO. C74598 — STATE OF CALIFORNIA

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916.329.4000

ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

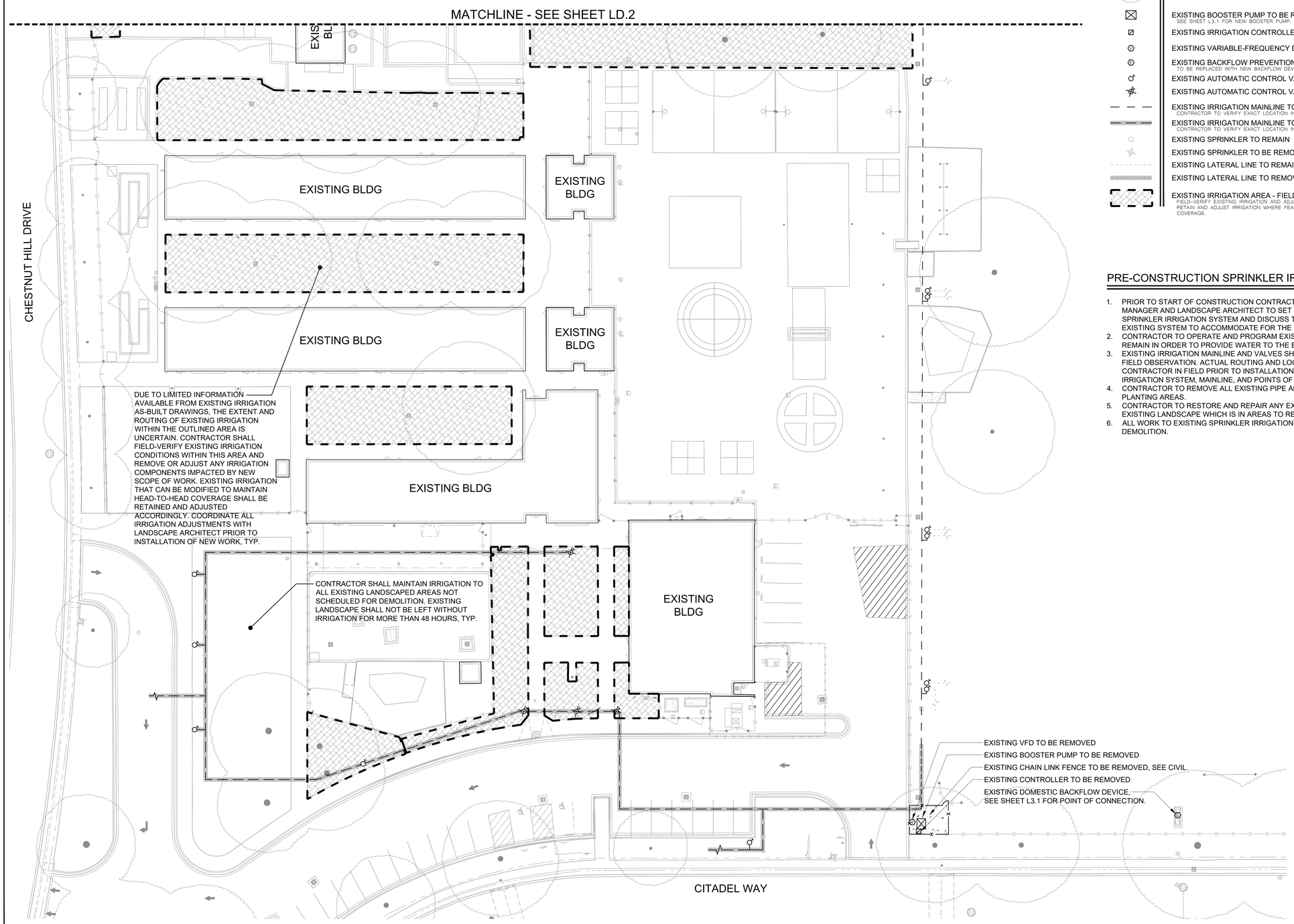
FENCING AND GATE DETAILS

SHEET NO.

C8.2

FILENAME: I:\25-075\CIVIL\DWG\25-075-C82.DWG

INCREMENT NO.
1



KEY | IRRIGATION DEMOLITION LEGEND

- EXISTING TREE TO REMAIN
- EXISTING BOOSTER PUMP TO BE REMOVED AND REPLACED
  SEE SHEET L3.1 FOR NEW BOOSTER PUMP.
- EXISTING IRRIGATION CONTROLLER TO BE REMOVED
- EXISTING VARIABLE-FREQUENCY DRIVE (VFD) TO BE REMOVED
- EXISTING BACKFLOW PREVENTION DEVICE TO REMAIN (DOMESTIC WATER)
  TO BE REPLACED WITH NEW BACKFLOW DEVICE. SEE SHEET L3.1
- EXISTING AUTOMATIC CONTROL VALVE TO REMAIN
- EXISTING AUTOMATIC CONTROL VALVE TO REMOVE
- EXISTING IRRIGATION MAINLINE TO REMAIN
  CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD.
- EXISTING IRRIGATION MAINLINE TO ABANDON
  CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD.
- EXISTING SPRINKLER TO REMAIN
- EXISTING SPRINKLER TO BE REMOVED
- EXISTING LATERAL LINE TO REMAIN
- EXISTING LATERAL LINE TO REMOVE
- EXISTING IRRIGATION AREA - FIELD VERIFICATION REQUIRED
  FIELD-VERIFY EXISTING IRRIGATION AND ADJUST OR REMOVE AS REQUIRED. RETAIN AND ADJUST IRRIGATION WHERE FEASIBLE TO MAINTAIN HEAD-TO-HEAD COVERAGE.

PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

1. PRIOR TO START OF CONSTRUCTION CONTRACTOR REQUIRED TO CONTACT SCUSD PROJECT MANAGER AND LANDSCAPE ARCHITECT TO SET UP A MEETING ON SITE TO OPERATE THE EXISTING SPRINKLER IRRIGATION SYSTEM AND DISCUSS THE MODIFICATIONS THAT ARE TO BE MADE TO THE EXISTING SYSTEM TO ACCOMMODATE FOR THE NEW CONSTRUCTION.
2. CONTRACTOR TO OPERATE AND PROGRAM EXISTING SPRINKLER IRRIGATION SYSTEM THAT IS TO REMAIN IN ORDER TO PROVIDE WATER TO THE EXISTING LANDSCAPE TO REMAIN.
3. EXISTING IRRIGATION MAINLINE AND VALVES SHOWN PER AVAILABLE AS-BUILT DRAWINGS AND FIELD OBSERVATION. ACTUAL ROUTING AND LOCATIONS OF VALVES TO BE VERIFIED BY CONTRACTOR IN FIELD PRIOR TO INSTALLATION OF NEW WORK. SEE SHEET L3.1 FOR NEW IRRIGATION SYSTEM, MAINLINE, AND POINTS OF CONNECTION.
4. CONTRACTOR TO REMOVE ALL EXISTING PIPE AND SPRINKLER HEADS WHEN THEY ARE IN NEW PLANTING AREAS.
5. CONTRACTOR TO RESTORE AND REPAIR ANY EXISTING SPRINKLER IRRIGATION SYSTEM OR EXISTING LANDSCAPE WHICH IS IN AREAS TO REMAIN THAT IS DAMAGED BY NEW WORK.
6. ALL WORK TO EXISTING SPRINKLER IRRIGATION SYSTEM TO BE COMPLETED PRIOR TO SITE DEMOLITION.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

25-57

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DSA SUBMITTAL

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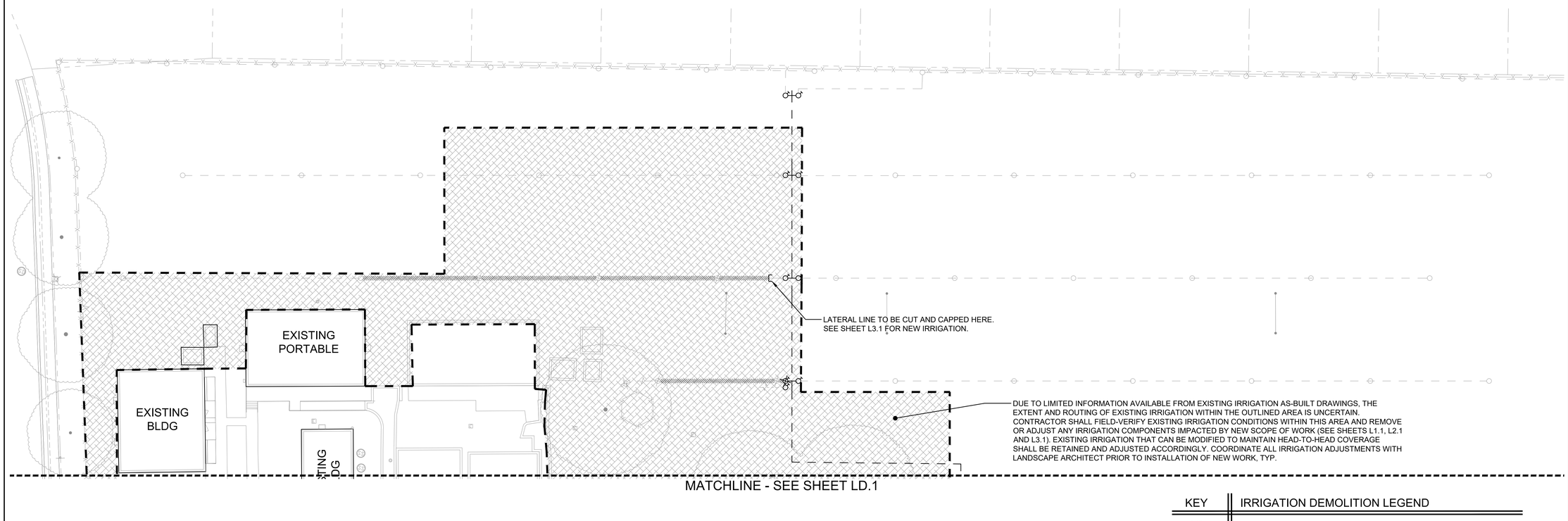
SHEET TITLE
DEMOLITION IRRIGATION PLAN

SHEET NO.
LD.1

INCREMENT NO.
1



MATCHLINE - SEE SHEET LD.1

KEY	IRRIGATION DEMOLITION LEGEND
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	EXISTING BOOSTER PUMP TO BE REMOVED AND REPLACED SEE SHEET L3.1 FOR NEW BOOSTER PUMP.
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N

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SCALE: 1"= 20'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

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916 369-3990

REGISTERED LANDSCAPE ARCHITECT
BRIAN VOLLIS McCAY
5453
12/10/25
Expiration Date
7/31/27
Expiration Date
STATE OF CALIFORNIA

CONSULTANT

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REVISIONS

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JOB NO.: Y2524.00

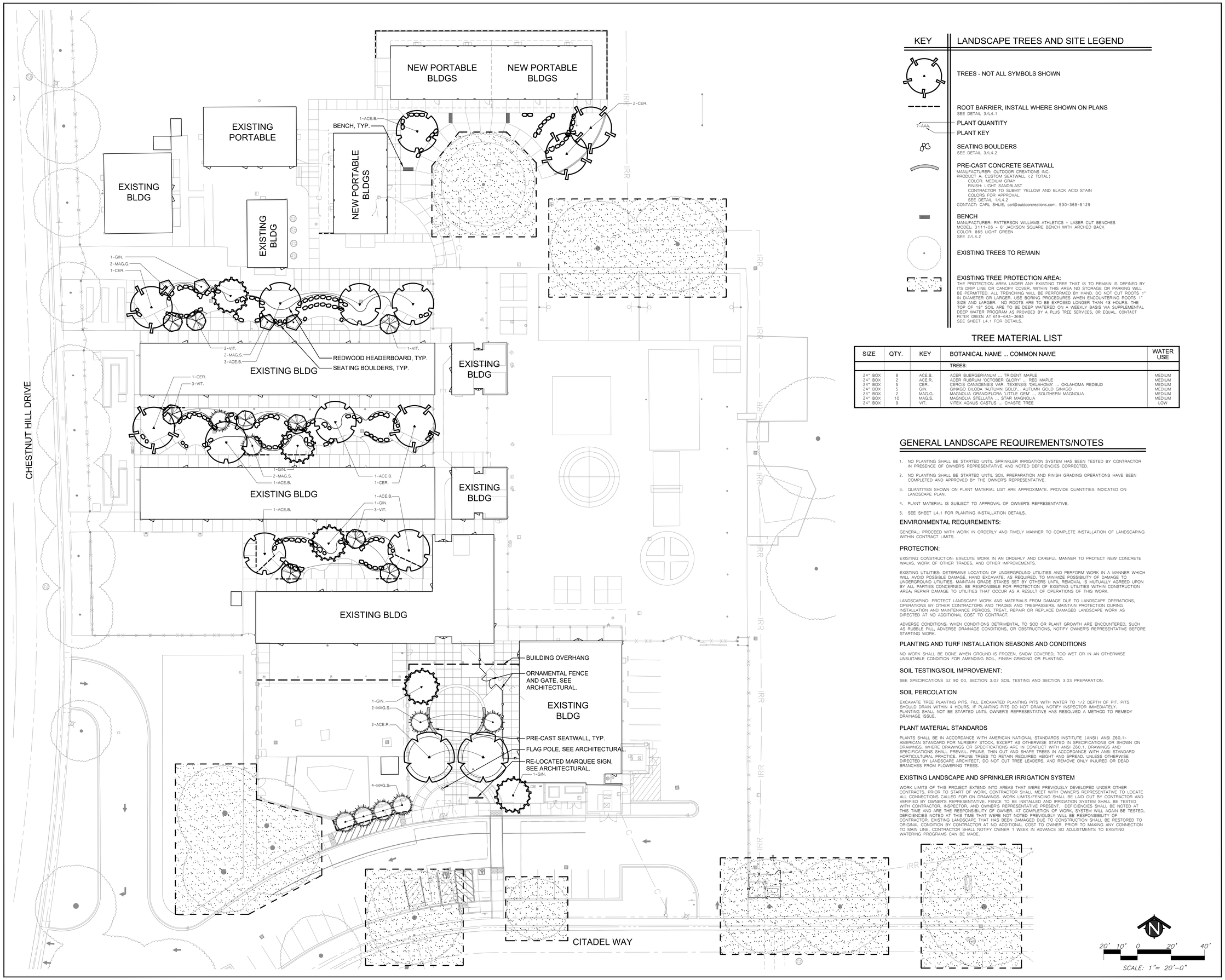
SHEET TITLE

DEMOLITION
IRRIGATION PLAN

SHEET NO.

LD.2

INCREMENT NO. 1



KEY | LANDSCAPE TREES AND SITE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS
SEE DETAIL 3/L4.1

7-AAA — PLANT QUANTITY
PLANT KEY

SEATING BOULDERS
SEE DETAIL 3/L4.2

PRE-CAST CONCRETE SEATWALL
MANUFACTURER: OUTDOOR CREATIONS INC.
PRODUCT A: CUSTOM SEATWALL (2 TOTAL)
COLOR: MEDIUM GRAY
FINISH: LIGHT SANDBLAST
CONTRACTOR TO SUBMIT YELLOW AND BLACK ACID STAIN COLORS FOR APPROVAL.
SEE DETAIL 1/L4.2
CONTACT: CARL SHLIE, carl@outdoorcreations.com, 530-365-5129

BENCH
MANUFACTURER: PATTERSON WILLIAMS ATHLETICS - LASER CUT BENCHES
MODEL: 3111-06 - 6' JACKSON SQUARE BENCH WITH ARCHED BACK
COLOR: 865 LIGHT GREEN
SEE 2/L4.2

EXISTING TREES TO REMAIN

EXISTING TREE PROTECTION AREA:
THE PROTECTION AREA UNDER ANY EXISTING TREE THAT IS TO REMAIN IS DEFINED BY ITS DRIP LINE OR CANOPY COVER. WITHIN THIS AREA NO STORAGE OR PARKING WILL BE PERMITTED. ALL TRENCHING WILL BE PERFORMED BY HAND. DO NOT CUT ROOTS 1" IN DIAMETER OR LARGER. USE BORING PROCEDURES WHEN ENCOUNTERING ROOTS 1" SIZE AND LARGER. NO ROOTS ARE TO BE EXPOSED LONGER THAN 48 HOURS. THE TOP OF 18" SOIL ARE TO BE DEEP WATERED ON A WEEKLY BASIS VIA SUPPLEMENTAL DEEP WATER PROGRAM AS PROVIDED BY A PLUS TREE SERVICES, OR EQUAL. CONTACT PETER GREEN AT 619-643-3693
SEE SHEET L4.1 FOR DETAILS.

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			TREES:	
24" BOX	8	ACE.B.	ACER BUERGERIANUM ... TRIDENT MAPLE	MEDIUM
24" BOX	2	ACE.R.	ACER RUBRUM 'OCTOBER GLORY' ... RED MAPLE	MEDIUM
24" BOX	5	CER.	CERCIS CANADENSIS VAR. TEXENSIS 'OKLAHOMA' ... OKLAHOMA REDBUD	MEDIUM
24" BOX	5	GIN.	GINKGO BILOBA 'AUTUMN GOLD'... AUTUMN GOLD GINKGO	MEDIUM
24" BOX	2	MAG.G.	MAGNOLIA GRANDIFLORA 'LITTLE GEM' ... SOUTHERN MAGNOLIA	MEDIUM
24" BOX	10	MAG.S.	MAGNOLIA STELLATA ... STAR MAGNOLIA	MEDIUM
24" BOX	9	VIT.	VITEX AGNUS CASTUS ... CHASTE TREE	LOW

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE TREE PLANTING PITS. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

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JOB NO.: Y2524.00

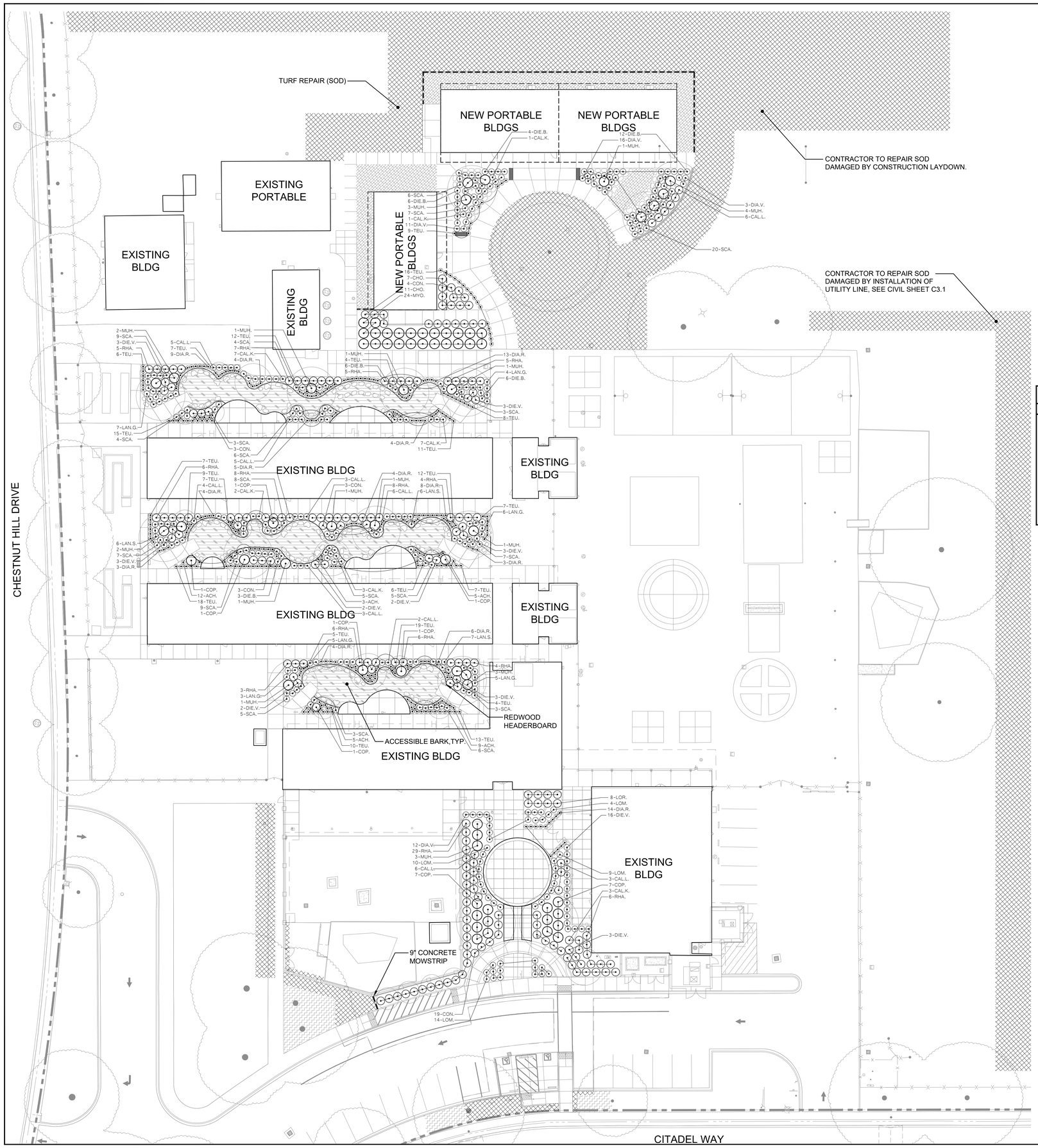
SHEET TITLE

TREE PLANTING PLAN

SHEET NO.

L1.1

INCREMENT NO.
1



KEY | LANDSCAPE LEGEND

- TREE OUTLINE FOR REFERENCE
- SHRUBS
- BARK MULCH
  3" DEPTH.
- TURF REPAIR (SOD)
  MINIMUM REPAIR WIDTH SHOWN.
- EXISTING LANDSCAPE AND SPRINKLER AREAS TO REMAIN
- ENGINEERED WOOD FIBER
  FEATURES, FACILITIES AND EQUIPMENT REQUIRED BY CHAPTER 11B TO BE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES, SHALL BE MAINTAINED IN OPERABLE WORKING CONDITION, ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE OR ACCESSIBILITY DUE TO MAINTENANCE OR REPAIRS SHALL BE PERMITTED.
- 9" CONCRETE MOWSTRIP
  SEE DETAIL 8/L4.1
- REDWOOD HEADERBOARD
  SEE DETAIL 9/L4.1
- 7 - AAA. — PLANT QUANTITY / PLANT KEY
- EXISTING TREES TO REMAIN

SUGGESTED PLANT MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			SHRUBS:	
1 G.C.	34	ACH.	ACHILLEA MILLEFOLIUM ... YARROW	LOW
5 G.C.	43	CAL.L.	CALLISTEMON 'LITTLE JOHN' ... LITTLE JOHN DWARF BOTTLEBRUSH	LOW
5 G.C.	24	CAL.K.	CALAMAGROSTIS 'KARL FOERSTER' ... FOERSTER'S FEATHER REED GRASS	LOW
1 G.C.	18	CHO.	CHONDROPETALUM TECTORUM 'EL CAMPO'	LOW
5 G.C.	32	CON.	CONVOLVULUS CNEORUM ... BUSH MORNING GLORY	LOW
5 G.C.	21	COP.	COPROSMA KIRKII ... CREEPING COPROSMA	LOW
5 G.C.	77	DIA.R.	DIANELLA REVOLUTA 'BABY BLISS' ... BABY BLISS FLAX LILY	LOW
5 G.C.	42	DIA.V.	DIANELLA VRIEGATED ... TASMAN FLAX LILY	LOW
5 G.C.	37	DIE.B.	DIETES BICOLOR ... FORTNIGHT LILY	LOW
1 G.C.	40	DIE.V.	DIETES VEGETA ... FORTNIGHT LILY	LOW
1 G.C.	30	LAN.G.	LANTANA 'GOLD RUSH' ... YELLOW LANTANA	LOW
5 G.C.	19	LAN.S.	LANTANA SELLOWIANA ... TRAILING LANTANA	LOW
1 G.C.	37	LOM.	LOMANDRA 'PLATINUM BEAUTY' ... PLATINUM BEAUTY LOMANDRA	LOW
1 G.C.	8	LOR.	LOROPETALUM CHINENSE 'RUBRUM' ... CHINESE FRINGE FLOWER	MEDIUM
5 G.C.	26	MUH.	MUHLENBERGIA RIGEN ... DEER GRASS	LOW
5 G.C.	24	MYO.	MYOPORUM PARVIFOLIUM ... MYOPORUM	LOW
5 G.C.	102	RHA.	RHAPHIOLEPIS UMBELLATA 'MINOR' ... DWARF YEDDO HAWTHORN	LOW
5 G.C.	120	SCA.	SCAEVOLA 'MUAVE CLUSTERS' ... FAN FLOWER	MEDIUM
5 G.C.	214	TEU.	TEUCRIUM CHAMAEDRYS ... GERMANDER	LOW

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LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.2 SOIL TESTING AND SECTION 3.3 PREPARATION.

SOIL PERCOLATION

EXCAVATE PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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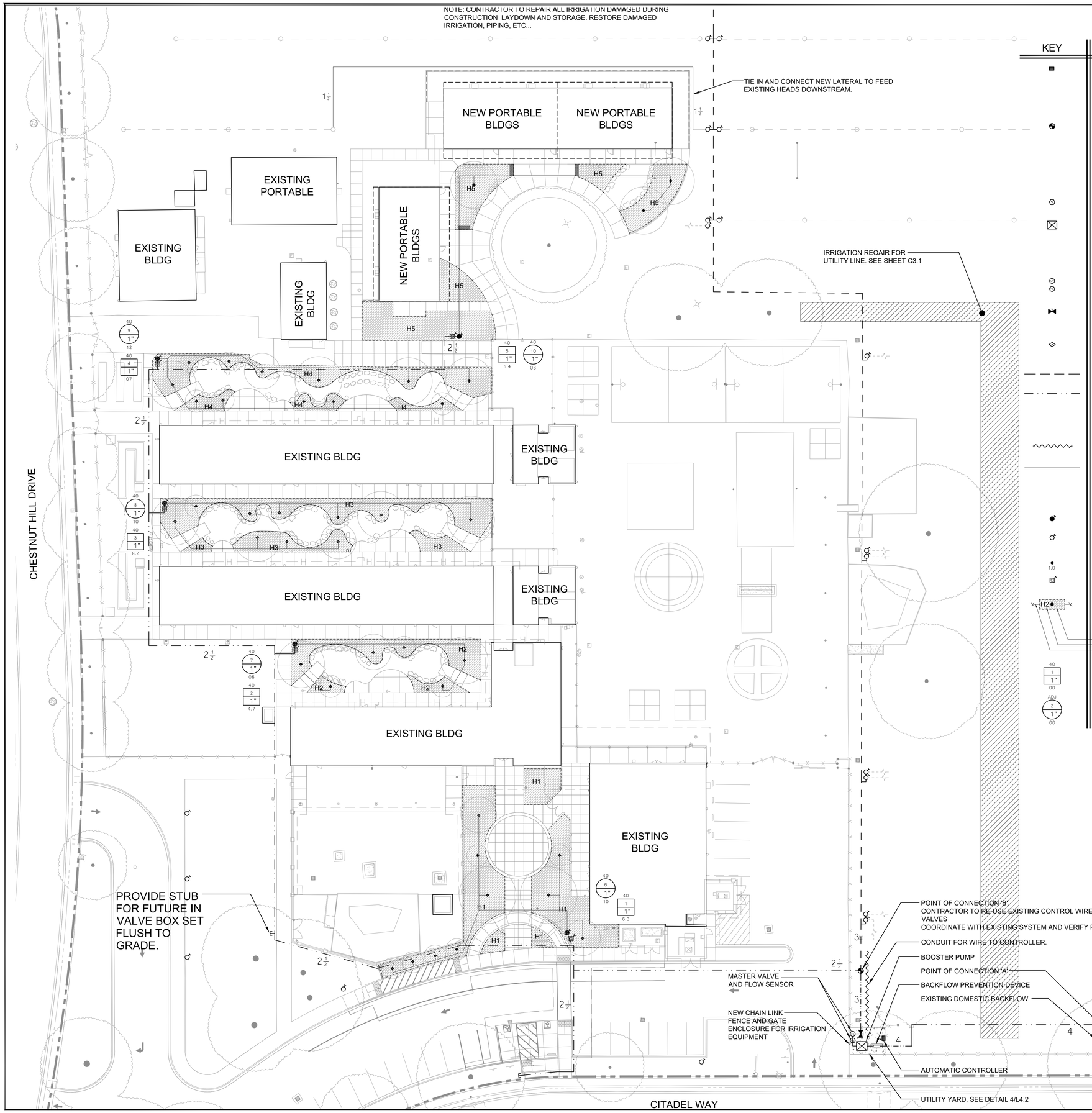
SHEET TITLE

SHRUB PLANTING PLAN

SHEET NO.

L2.1

NOTE: CONTRACTOR TO REPAIR ALL IRRIGATION DAMAGED DURING CONSTRUCTION LAYDOWN AND STORAGE. RESTORE DAMAGED IRRIGATION, PIPING, ETC...



KEY

SPRINKLER IRRIGATION LEGEND

AUTOMATIC CONTROLLER:

HUNTER ACC2 - 25 STATION CONTROLLER
MODEL#: ICAB-HL4-75/SP/A2C-ETH/(25)ICD-1/ICD-S/SOLSE/(3)GR-K/ROAM-A
CONTACT KIM GOLDENSTEIN AT IMPERIAL TECH SERVICES: (619) 380-1833, kimgoldenstein@gmail.com
CONTROLLER TO BE ASSEMBLED IN STAINLESS STEEL TOP ENTRY STRONGBOX ENCLOSURE WITH ETHERNET MODE, ROAM SMART PORT, AND ROAMXL TRANSMITTER, RECEIVER, AND CARRYING CASE.

GROUNDING ROD/PLATE TO BE INSTALLED AS PER THE GROUNDING DETAIL.
COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.
COORDINATE ETHERNET CONNECTION WITH THE ELECTRICAL SUB-CONTRACTOR.

POINT OF CONNECTION 'A':

CONTRACTOR TO CONNECT NEW 4" MAINLINE TO EXISTING 4" DOMESTIC BACKFLOW. EXTEND NEW 4" MAINLINE TO SERVE NEW 2" IRRIGATION BACKFLOW PREVENTER. CONTRACTOR TO COORDINATE EXACT CONNECTION LOCATION AND VERIFY IN FIELD PRIOR TO CONSTRUCTION.

POINT OF CONNECTION 'B':

STATIC WATER PRESSURE PRIOR TO WATER METER: -- PSI
DYNAMIC WATER PRESSURE AFTER IRRIGATION BACKFLOW DEVICE: -- PSI
IRRIGATION SYSTEM OPERATING WATER PRESSURE: -- PSI
MAXIMUM FLOW IS --- GPM

CONTRACTOR SHALL LOCATE STUBBED MAINLINE INDICATED ON CIVIL SHEETS.
CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:

WILKINS MODEL NO. 375XL, 2" SIZE. PROVIDE CONCRETE SLAB, ENCLOSURE (SEE DETAIL 1/L4.4 FOR SIZE AND MODEL), PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

BOOSTER PUMP:

BOOSTER PUMP SHALL BE BY V-POWER EQUIPMENT, INC.
MODEL # ----

INLET PRESSURE: -- PSI
OUTLET PRESSURE: -- PSI
MIN/MAX WATER DEMAND: --GPM/--GPM
POWER INPUT: --V, - PHASE

MASTER VALVE/FLOW SENSOR ASSEMBLY:

MASTER VALVE - 2" NORMALLY CLOSED GRISWOLD #2000L

FLOW SENSOR - CREATIVE SENSOR TECHNOLOGIES FSI-S30-001

FLOW SENSOR TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.
MASTER VALVE TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.

GATE VALVE:

TYPE:
LEEMCO LMV-XXBB WITH A NON-RISING STEM AND OPERATING NUT.
GATE VALVE INSTALLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

QUICK COUPLER VALVE:

RAINBIRD 44NP OR APPROVED EQUAL.
VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

EXISTING MAIN LINE:

3" TRANSITE PIPE.

MAIN LINE:

TYPE:
2" SIZE AND LARGER: ASTM D1785, PVC SCHEDULE 40 WITH LEEMCO FITTINGS
ALL MAIN LINE PIPING DOWN STREAM OF BOOSTER PUMP THAT CROSSES PAVEMENT GREATER THAN 16' IN LENGTH SHALL HAVE SECOND PIPE INSTALLED. ALL SECOND PIPE SHALL BE PVC GLUED, CAPPED, AND PRESSURE TESTED FOR FUTURE USE.

TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.

WIRE CONDUIT:

CONTRACTOR TO SIZE CONDUIT TO HOUSE ALL NEW CONTROL WIRES AND SPARE WIRES. CONDUIT TO RETAIN 50% OPEN SPACE.

LATERAL LINE:

TYPE:
ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD
TRENCH DEPTH:
IN PLANTED AREAS:
BUBBLER HEADS: - 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:

HUNTER ICV WITH PRESSURE REGULATOR AS INDICATED ON VALVE ID

EXISTING AUTOMATIC CONTROL VALVE:

TREE BUBBLER HEADS (TWO PER TREE):

HUNTER RZWS-18-50-CV WITH INLINE CHECK VALVE
GPM SHOWN.

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:

HUNTER ICZ-101-LF (PRESSURE REGULATOR AS SPECIFIED BELOW)

SHRUB BUBBLER:

EMITTER TO BE HUNTER HEB-20 (2 GPH).
IH RISER TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. HUNTER HI-RISER EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL 10/L4.4 FOR INSTALLATION.
PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

- LIMITS OF SHRUB BUBBLER PLACEMENT
- INDICATES VALVE NUMBER
- PVC SCH 40 LATERAL LINE

INDICATES DRIP CONTROL VALVE:

PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

INDICATES CONTROL VALVE:

PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

SEE SHEET L5.1 FOR SPRINKLER IRRIGATION NOTES.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

INCREMENT NO. 1

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ARCHITECT

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DATE: 12/12/2025

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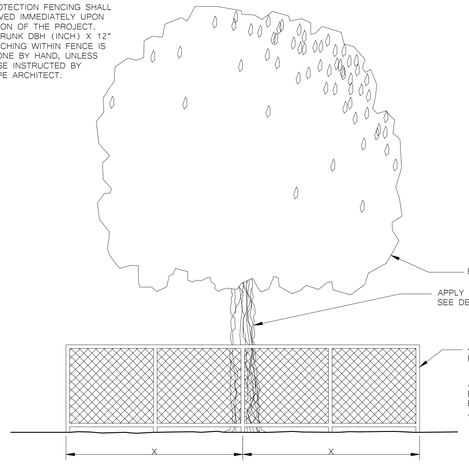
SPRINKLER IRRIGATION PLAN

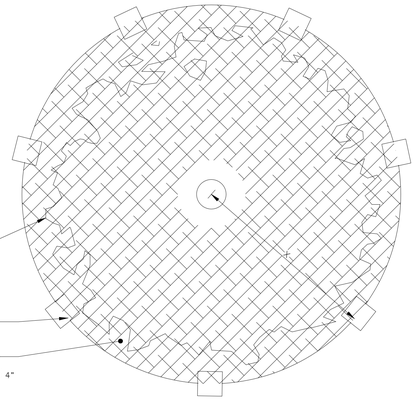
SHEET NO.

L3.1

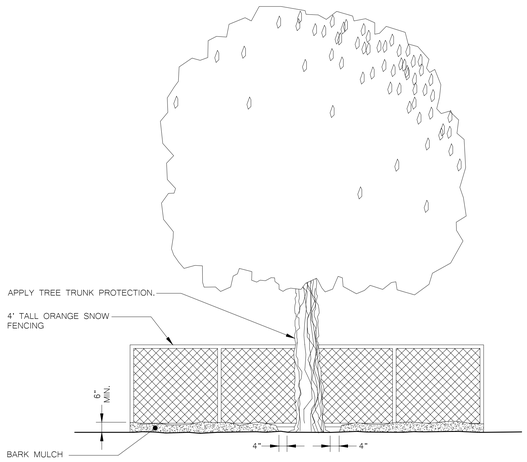
NOTE:
1. TREE PROTECTION FENCING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=TREE TRUNK DBH (INCH) X 12"
3. ALL TRENCHING WITHIN FENCE IS TO BE DONE BY HAND, UNLESS OTHERWISE INSTRUCTED BY LANDSCAPE ARCHITECT.



ELEVATION



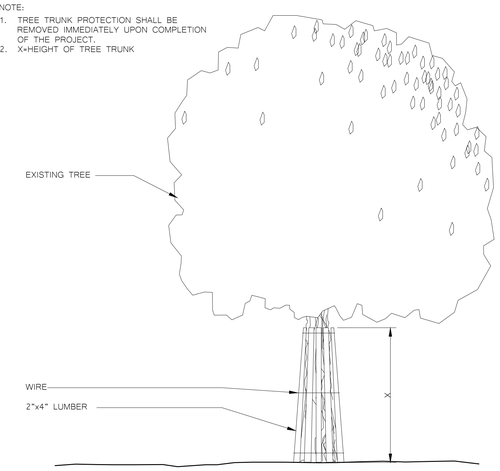
PLAN



ELEVATION - WITHIN FENCE

1 TREE PROTECTION FENCING DETAIL

NOTE:
1. TREE TRUNK PROTECTION SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=HEIGHT OF TREE TRUNK



2 TREE TRUNK PROTECTION DETAIL

NOTE:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.

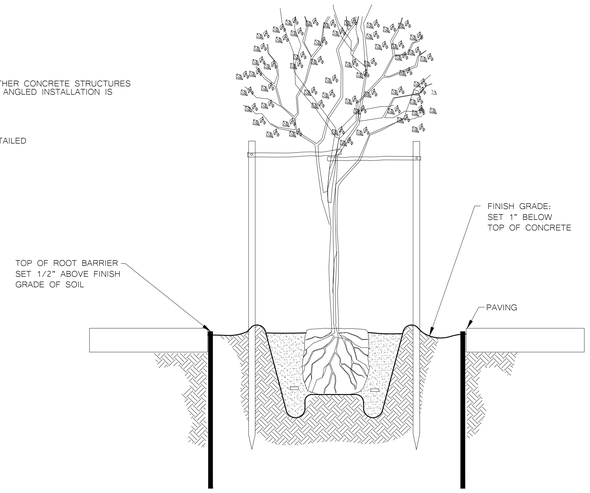
TREE ROOT BARRIER PROTECTION

1. CONTRACTOR TO REMOVE ALL CONCRETE SPOILS FROM FLATWORK, CURBS OR OTHER CONCRETE STRUCTURES TO ENSURE THE ROOT BARRIER IS ADJACENT TO THE CONCRETE AND VERTICAL. ANGLED INSTALLATION IS NOT ACCEPTABLE.
2. TREE SHALL BE LOCATED IN CENTER OR MIDPOINT OF PLANTER.
3. TREE ROOT BARRIER IS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.
4. TREE ROOT BARRIER SHALL BE INSTALLED ADJACENT TO EDGE OF PAVING AS DETAILED
5. PLACE ROOT BARRIER SO THAT VERTICAL RIBS FACE TOWARD THE TREE.

ROOT BARRIER

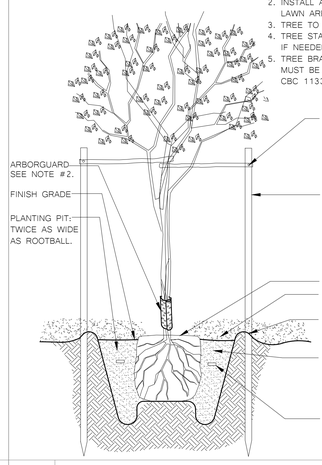
BY: DEEP ROOT PARTNERS OR NDS INC. OR APPROVED EQ.

15 GAL SIZE TREE OR LARGER:
24" MODULAR ROOT BARRIER PANEL



3 ROOT BARRIER CONTROL DETAIL

NOTES:
1. VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
2. INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
3. TREE TO HAVE DOMINANT MAIN LEADER.
4. TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
5. TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1



VINYL CINCH TIES - SHALL BE VIRGIN FLEXIBLE VINYL MEETING ASTM-D-412 STANDARDS. MATERIAL SHALL BE BLACK FOR ULTRAVIOLET RESISTANCE. FOR 15 GAL TREES USE 24" LENGTH, AND 32" FOR ALL LARGER SIZE TREES. USE ONE - 1" #8 GALVANIZED SCREW WITH WASHER TO AFFIX TO STAKE.

TREE STAKES: MIN. SIZE 2" X 2" X 8' RWD. STAKES OR LODGEPOLE PINE STAKES 2" DIA. BY 8', COPPER NAPTHANATE TREATED (GREEN COLOR) WITH 10 INCH TAPERED POINT. STAKE TO BE OUTSIDE OF THE ROOTBALL, AND TOP OF STAKE TO BE TRIMMED TO BE 1-2" ABOVE THE TOP CINCH TIE.

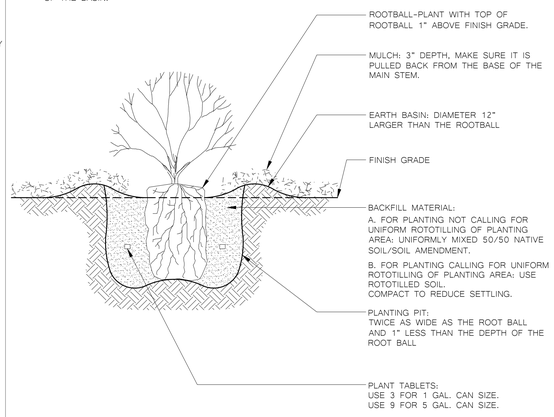
ROOTBALL: PLACE 2" ABOVE FINISH GRADE
MULCH: 3" DEPTH, PULL BARK 4" AWAY FROM THE TREE TRUNK
EARTH BASIN: DIAMETER 12" LARGER THAN THE ROOT BALL. NOT REQ'D IN TURF AREAS.

BACKFILL MATERIAL: 50% NATIVE SOIL AND 50% SOIL AMENDMENT, WHICH SHALL BE A 90% BARK BASE PRODUCT, 0-1/4" SIZE TREATED TO HAVE 1% NITROGEN. CROWN THEN FIRM TO REDUCE SETTLING.

PLANTING TABLETS: 7 GRAM GRO-POWER TABLETS. USE 12 FOR 15 G.C. SIZE; 18 FOR 24" BOX SIZE AND 24 FOR 36" BOX SIZE.

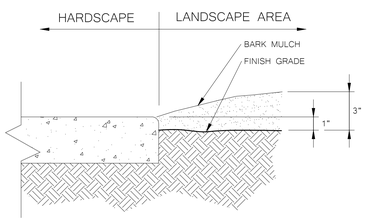
4 TREE PLANTING AND STAKING DETAIL

NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURE'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



5 SHRUB PLANTING DETAIL

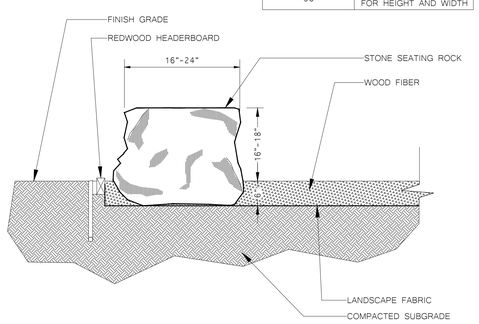
NOTES:
1. FINISH GRADE OF SOIL TO BE 1" BELOW ADJACENT HARDSCAPE FOR BOTH LAWN AREAS AND PLANTER BED AREAS
2. BARK MULCH DEPTH DOES NOT DICTATE THE ELEVATION OF THE FINISH GRADE
3. BARK MULCH TO BE FEATHERED DOWN TO 1" DEPTH, 12" FROM EDGE OF HARDSCAPE



6 LANDSCAPE GRADE ADJACENT TO HARDSCAPE DETAIL

NOTES:
1. ALL ROCKS SHALL BE PROVIDED BY MONTANA ROCKWORK OR APPROVED EQUAL.
2. ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 6", ROCK MAY BE PLACED LOWER TO ACHIEVE THE DESIRED SITTING HEIGHT
3. ACTUAL ROCK TYPE, SIZE AND COLOR SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT. CONTACT AND SCHEDULE MEETING FOR BOULDER SELECTION PRIOR TO PURCHASING.

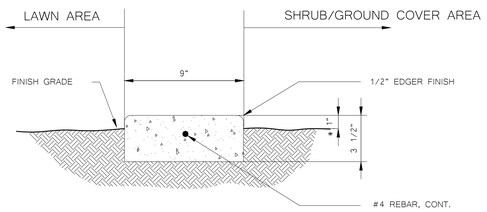
QUANTITY	SIZE
95	18"-36"L, SEE BELOW FOR HEIGHT AND WIDTH



SECTION

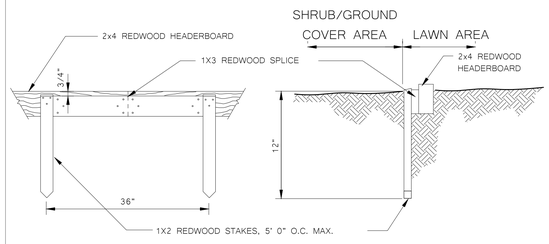
7 NATURAL SEATING STONE ON GRADE DETAIL

NOTES:
1. USE 1/2" FELT EXPANSION JOINT MATERIAL AT ALL CHANGES OF DIRECTIONS AND AT 10' O.C.
*2. WHEN SURFACE DRAINAGE IS INTENDED TO FLOW TOWARD AND ACROSS MOWSTRIP, SOIL SURFACE SHALL BE FLUSH WITH TOP OF MOWSTRIP. UNLESS OTHERWISE NOTED SOIL SHALL BE 1" BELOW TOP OF MOWSTRIP.
3. ALL CONCRETE SHALL BE 5 SACK MIX, 2800 PSI AT 28 DAYS AFTER POUR.
4. FINISH SHALL BE FINE BROOM.



8 9" CONCRETE MOWSTRIP DETAIL

NOTES:
1. WHEREVER POSSIBLE INSTALL STAKES AND SPLICES ON SHRUB/GROUNDCOVER SIDE.
2. ALL LUMBER TO BE REDWOOD CONSTRUCTION ROUGH (CALIFORNIA REDWOOD ASSOCIATION GRADING)
3. LAMINATE 1X4 BOARDS FOR CURVES. USE 1X3 REDWOOD AT SPLICES. STAGGER SPLICES.



ELEVATION SECTION

9 REDWOOD HEADERBOARD DETAIL

INCREMENT NO. 1

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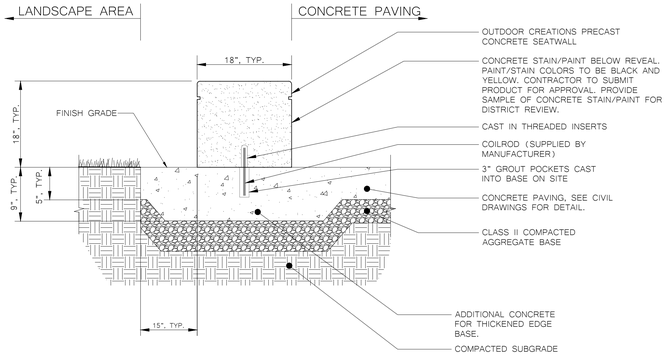
JOB NO.: Y2524.00
SHEET TITLE
LANDSCAPE PLANTING DETAILS

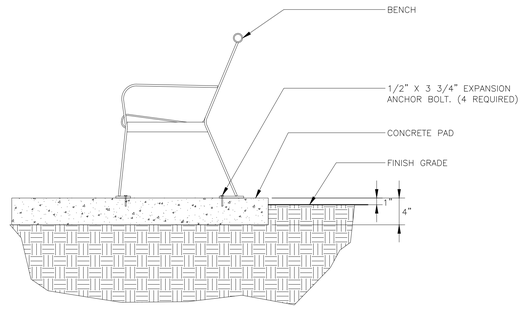
SHEET NO.
L4.1

NOTES:
1. MANUFACTURER: OUTDOOR CREATIONS (CONTACT CARL SHLIE, carl@outdoorcreations.com, 530-365-5129)
2. COLOR: MEDIUM GRAY, FINISH: LIGHT SANDBLAST
3. SEATWALL MUST HAVE ANTI-SKATE INDENTATIONS AND A 1/2" WIDE, 1/2" DEEP REVEAL 3" BELOW THE TOP OF THE SEATWALL.
4. PERFORM A DRY RUN BY THREADING COILRODS INTO THE SEATWALL INSERTS, PLACING IT IN THE BASE AND GROUT POCKETS TO CHECK THE FIT (NO MORTAR OR EPOXY YET). IF THE FIT IS CORRECT, REMOVE THE SEATWALLS, FILL GROUT POCKETS ⅔ FULL WITH TYPE-S MORTAR, AND APPLY A 2 PART EPOXY BETWEEN THE FOOTING AND BASE. REINSTALL THE SEATWALLS, APPLY EPOXY TO THE BASE BEFORE CONTACT, MAKE ADJUSTMENTS WITH SHIMS WHILE THE EPOXY/MORTAR SETS, AND CLEAN UP ANY EXCESS EPOXY.



SECTION

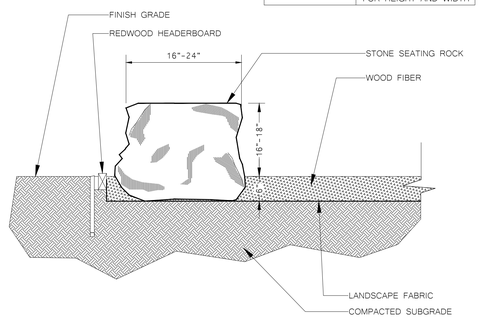
1 PRE-CAST CONCRETE SEATWALL DETAIL



2 BENCH DETAIL

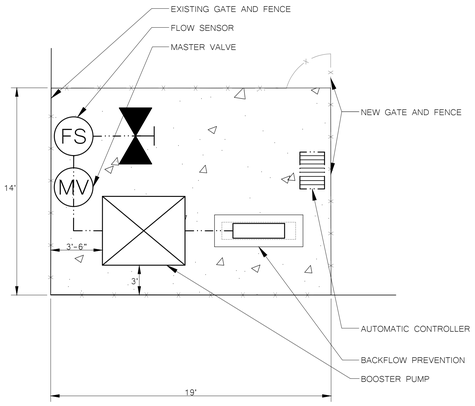
NOTES:
1. ALL ROCKS SHALL BE PROVIDED BY MONTANA ROCKWORK OR APPROVED EQUAL.
2. ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 6". ROCK MAY BE PLACED LOWER TO ACHIEVE THE DESIRED SITTING HEIGHT
3. ACTUAL ROCK TYPE, SIZE AND COLOR SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT. CONTACT AND SCHEDULE MEETING FOR BOULDER SELECTION PRIOR TO PURCHASING.

QUANTITY	SIZE
163	18"-36"L SEE BELOW FOR HEIGHT AND WIDTH



SECTION

3 NATURAL SEATING STONE ON GRADE DETAIL



4 UTILITY YARD LAYOUT

INCREMENT NO.
1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL
(THOMAS JEFFERSON)
CAMPUS RENEWAL
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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

25-57

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
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916 369-3980

5453
12/10/25
7/31/27

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

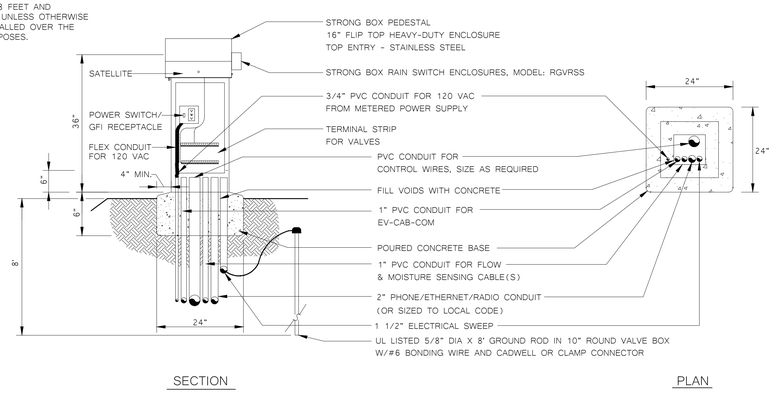
SHEET TITLE

LANDSCAPE SITE INSTALLATION DETAILS

SHEET NO.

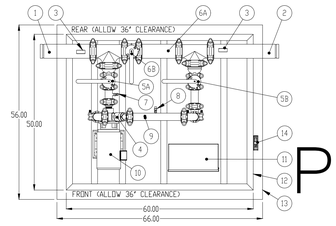
L4.2

NOTE:
1. ASSEMBLY TO INCLUDE:
   CONTROLLER MODEL, ENCLOSURE MODEL, AND OPTIONS AS SPECIFIED
   TERMINAL STRIPS
   TEMPLETE AND BOLTS
   UL LISTED 8' COPPER GROUND ROD
   GROUND ROD CLAMP OR CADWELD
   10' OF #6 GROUNDING WIRE
2. ALL CABLES AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT
3. GROUND ROD SHALL BE LOCATED NO CLOSER THAN 8 FEET AND NO FURTHER THAN 12 FEET FROM THE CONTROLLER UNLESS OTHERWISE SPECIFIED. A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES.

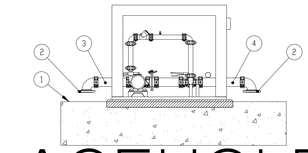


1 AUTOMATIC CONTROLLER - TOP ENTRY PEDESTAL DETAIL

NOTE
1. BOOSTER PUMP SHALL BE BY V. POWER EQUIPMENT, INC.
2. ALL INSTALLATION SHALL BE AS PER MANUFACTURERS RECOMMENDATIONS.
3. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES SO WORK SCHEDULE IS MAINTAINED.
4. ALL PIPE ABOVE GROUND SHALL BE: SEE SPECIFICATIONS.
5. SHALL CONTACT "CHRIS MURRAY", (916-266-6743) FOR ORDERING INFORMATION.
6. FOLLOW INSTRUCTIONS INCLUDED WITH UNIT FOR STARTUP.
7. BOOSTER PUMP TO BE SET LEVEL AND WITH A HOUSEKEEPING CONCRETE PAD SET 1" ABOVE SURROUNDING GRADE.

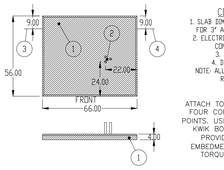


ITEM NO.	CUSTOMFLOW REFERENCE NUMBER: 110MTV0102025-1-10VT3-208-3	QTY.
1	2" SECTION W/ 56 ELBOX GROOVED FOR FLANGE CONNECTION	1
2	2" DISCHARGE W/90 ELBOX GROOVED FOR FLANGE CONNECTION	1
3	0-60 PRESSURE GAUGE	2
4	2" FLOW SWITCH, GROOVED GATE VALVE	1
5A	2-FLOW TYPE-3 GROOVED BUTTERFLY VALVE FOR ISOLATION	1
5B	2-FLOW TYPE-3 GROOVED BUTTERFLY VALVE FOR ISOLATION	1
6A	2" BYPASS FOR OPERATION DURING MAINTENANCE	1
6B	2"MN-TTO-3 GROOVED BUTTERFLY VALVE WITH YELLOW HANDLE FOR BYPASS	1
7	CUSTOM TEMPERATURE SWITCH 0-60	1
8	EFECTOR PRESSURE TRANSDUCER 2424 0-200 PSI	1
9	2" CHECK VALVE WF-1	1
10	BERKELEY PUMP B1-1/2TPMS WITH BRONZE IMPELLER RATED FOR 100 GPM AT 55 PSI INCREASE WITH 10HP 3-PHASE 208-230-460V ODP MOTOR	1
11	PUMP CONTROL PANEL MODEL CT230-2-3LB6L-CT230-1-2LB6L WITH MITSUBISHI FR-A720-208-NA VFD, 50-AMP CIRCUIT BREAKER WITH 208V THREE-PHASE INPUT & THREE-PHASE OUTPUT WITH 1/2 PUMP START RELAY TERMINALS, 1 ISO 9A CONTROL TRANSFORMER, RELAY-RESET FOR CUSTOM TEMPERATURE SWITCH.	1
12	ALUMINUM 2 DOOR ENCLOSURE (EXCLUDES ACCESSORIES) PAINTED DEEP, POWDER COATED DARK GREEN COLOR. ALUMINUM BRACKETS AND STEEL HARDWARE.	1
13	LEVEL CONCRETE PAD SIZE 66"X56", 4" THICK AND 1" ABOVE SURROUNDING GRADE, FOR, EDGES 1/2" NOTE THE INLET/OUTLET ARE LOCATED ON OPPOSITE SIDES. ALLOW 36" CLEARANCE IN FRONT AND REAR FOR SERVICE ACCESS.	1
14	WEED COVER & VENTMAN (TYP. 10) AXIAL COOLING FAN	1
NOTES	THREE-PHASE 208V ELECTRICAL SERVICE WITH 50 AMP BREAKER WITH GROUND AND CONTROL WIRES ARE REQUIRED TO THE VFD CONDUITS AND WIRES ARE CONNECTED TO THE PANEL FORWARD INSIDE THE ENCLOSURE. V-POWER EQUIPMENT TO PROVIDE OVER SEEMENT, STARTUP, TRAINING AND OWNERS MANUAL. PHONE (916) 266-6743 8205 WEST CAPITOL AVE, WEST SACRAMENTO, CA 95605.	



FLANGE CONNECTION DETAIL
1. FINISH GRADE TO BE 1" BELOW FLANGE OF CONCRETE SLAB
2. GROUTED FLANGE PLATE
3. BOOSTER PLUMBING SECTION
4. CONNECTION PLUMBING SECTION

NOTE: POUR CONCRETE THRUST BLOCKS WHERE NEEDED & TEST FOR LEAKS



CONCRETE SLAB DETAIL
1. SLAB DIMENSIONS 66"X56", 4" THICK W&LLOWS FOR 3" APRON AROUND BOOSTER ENCLOSURE
2. ELECTRICAL CONDUIT, 2" SPACING BETWEEN CONDUITS *CRITICAL LOCATION
3. SUCTION PLUMBING LOCATION
4. DISCHARGE PLUMBING LOCATION
NOTE: ALLOW 36" CLEARANCE IN FRONT AND REAR FOR SERVICE ACCESS.

ANCHORING DETAIL
ATTACH TO THE HOUSEKEEPING PAD AT THE FOUR CORNERS USING ATTACHED ANCHOR POINTS. USE 3/8" DIA STAINLESS STEEL HILTI KWIK BOLT TZ2 PER ICC-ES ESR-4266 PROVIDE 2-1/2" MINIMUM NOMINAL EMBEDMENT, PERIODIC INSPECTION REQ'D TORQUE TEST 50% OF ANCHORS TO 30-FT-LB.

60"X50" CUSTOMFLOW BOOSTER PACKAGE INSTALLATION

A) CONCRETE PAD CONSTRUCTION
   1) Determine location and grade for the site.
   2) Form and pour a level concrete slab size 66" X 56", 4" thick.
   Note: Slab surface 1" above grade, see slab detail for electrical conduit locations.
   3) Allow for 36" in front and rear of the enclosure for service access.
   4) Mount and level your Customflow booster on the concrete pad centering the unit allowing a 3" apron around the outside of the enclosure.
   5) Anchor all four corners through the attached anchor brackets.
   * Recommend using a wedge type anchor 3/8" X 3" long.

B) PLUMBING CONNECTION
   FOR DROP PIPE CONNECTION
   1) Connect the supplied grooved galvanized pipes to the suction and discharge 90's with the green couplings provided.
   2) Measure and cut the supplied grooved PVC (not longer than 10") gluein the spigot end into your mainline.
   3) Connect the PVC grooved end to the galvanized pipe from the booster with the supplied orange couplings.
   4) Wrap the orange below grade couplings with 10 MIL tape.
   5) Pour thrust blocks as needed.
   6) Test for leaks.

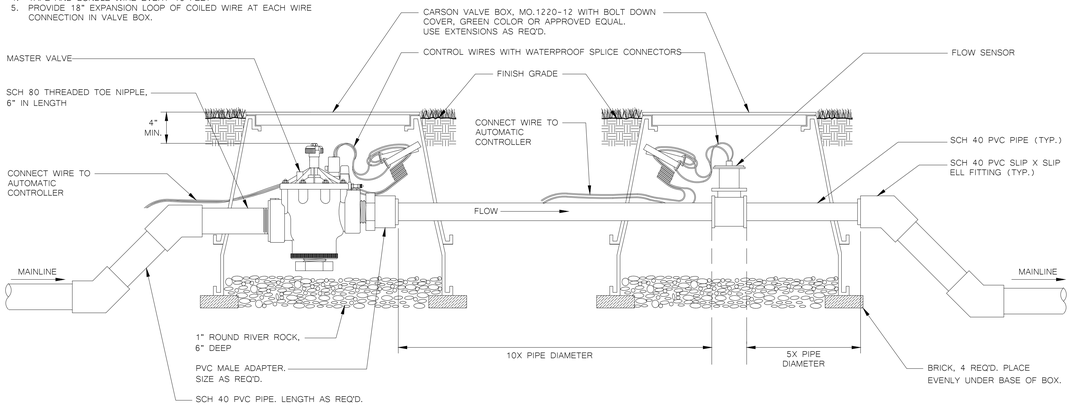
   FOR FLANGED CONNECTION
   1) Install the supplied grooved flange adaptors to the suction and discharge 90's.
   2) Insure the wide edge of the gasket goes towards the grooved flange, no other gaskets necessary.
   3) Connect the suction and discharge flanges to the flanged mainline spools (supplied by others).
   3) Pour thrust blocks as needed.
   4) Test for leaks.

C) ELECTRICAL CONNECTION
   1) Land the conduits and wires inside the VFD panel.
   2) Confirm the supplied power voltage and phase is correct and matches the specification.
   3) Terminate AC line wires at the top of the breaker labled "CUSTOMER SUPPLY" and ground on the appropriate grounding lug
   4) Terminate 24VAC control wires to the terminal strip labled "24R1 & 24N1" for pump start control. If a second pump start controller is being used terminate the second control to "24R2 & 24N2".
   5) Make sure all wiring is done Per local code requirements.

D) START UP & WARRANTY
   1) Verify the booster is installed properly, both plumbing and power connections are complete.
   2) Contact V-Power Equipment Inc. for startup.
   3) Standard Warranty is three years from date of delivery. For any warranty issues please call V-Power Equipment Inc.

2 BOOSTER PUMP INSTALLATION DETAIL

NOTES:
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.



3 MASTER VALVE AND FLOW SENSOR DETAIL

DISTANCE CHART

REFER TO THE FOLLOWING TABLE THAT LISTS THE LENGTH (IN FEET) FOR EACH SIZE/TYPE FITTING WITHIN WHICH ALL JOINTS MUST BE RESTRAINED. ALL FITTINGS AND JOINT RESTRAINTS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS & SPECIFICATIONS.

AS AN EXAMPLE, IF YOU ARE INSTALLING A 3" MAINLINE WITH A DIRECTIONAL CHANGE OF 90°, REFER TO CHART UNDER PIPE SIZE TO 3" AND UNDER BENDS 90 YOU WILL SEE THE DISTANCE OF 11'. IF THERE ARE ANY JOINTS (I.E. VALVE, BELL, ETC.) YOU MUST INSTALL A JOINT RESTRAINT ON THAT JOINT WITHIN 11' OF THE 90° MAINLINE DIRECTIONAL CHANGE.

PIPE SIZE	BENDS				REDUCERS			DEAD END	GATE VALVE
	11°	22°	45°	90°	1 STEP	2 STEP	3 STEP		
2"	1'	1'	2'	6'	-	-	-	19'	10'
2.5"	1'	2'	4'	9'	4'	-	-	23'	12'
3"	2'	3'	6'	11'	8'	10'	-	30'	15'
4"	2'	4'	9'	20'	14'	20'	31'	45'	23'
6"	3'	6'	13'	29'	30'	40'	53'	63'	31'
8"	4'	8'	15	38'	33'	55'	63'	75'	38'
10"	5'	9'	19'	45'	36'	56'	75'	96'	48'
12"	5'	10'	21'	53'	38'	60'	83'	112'	56'

NOTE: STEP REDUCTION EXAMPLE: 1 STEP (8 X 6), 2 STEP (8 X 4), 3 STEP (8 X 3)

INSTALLATION CHART

REFER TO THE FOLLOWING TABLE WHICH LISTS THE NUMBER OF BOLTS, SIZE, AND TORQUE FOR EACH BOLT IN REFERENCE TO THE SIZE OF PIPE WHICH IS BEING RESTRAINED.

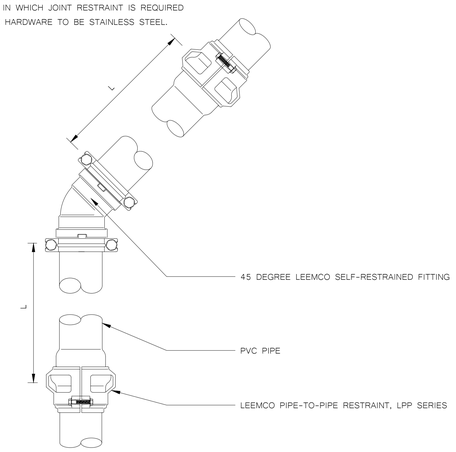
AS AN EXAMPLE, IF YOU HAVE A 3" PIPE, YOU WILL NEED 2 BOLTS THAT ARE 3/8 X 2.5" AND TIGHTEN THEM WITH A TORQUE WRENCH TO 20 FT-LBS.

PIPE SIZE	NO. BOLTS	BOLT SIZE	TORQUE FT-LBS.
2"	2	3/8" x 2.5"	20
2.5"	2	3/8" x 2.5"	20
3"	2	3/8" x 2.5"	20
4"	2	1/2" x 3.5"	50
6"	2	1/2" x 3.5"	50
8"	4	1/2" x 4"	50
10"	4	5/8" x 5.5"	100
12"	4	5/8" x 5.5"	100

CONTACT NUNZIO DICHRISTOPHER @ (916) 202-1333, THE LEEMCO REPRESENTATIVE, FOR ALL QUESTIONS CONCERNING LEEMCO PRODUCTS. COORDINATE AN INSTALLATION CLINIC WITH NUNZIO PRIOR TO INSTALLING THE MAINLINE.

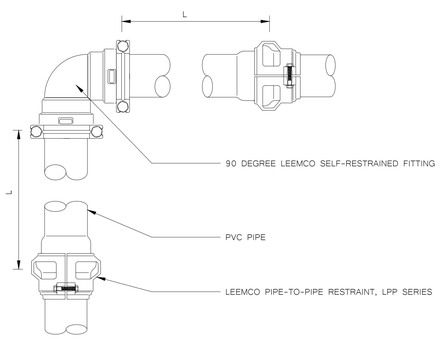
4 LEEMCO JOINT RESTRAINTS CHART

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



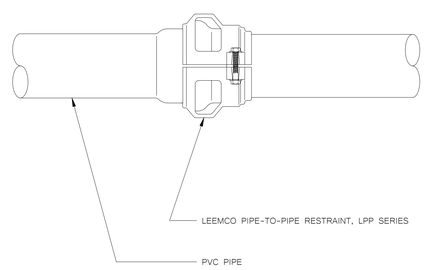
5 LEEMCO 45 ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



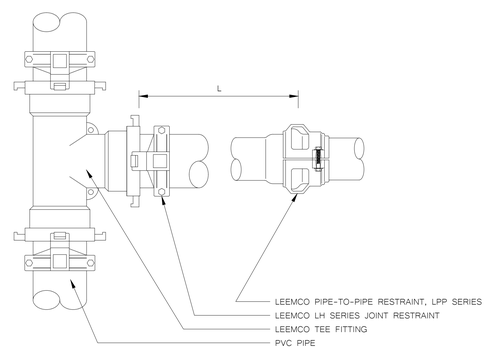
6 LEEMCO ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



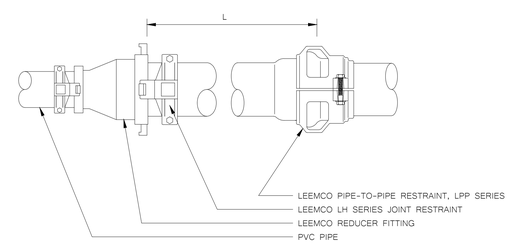
7 LEEMCO BELL JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



8 LEEMCO TEE WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



9 LEEMCO REDUCER WITH JOINT RESTRAINTS DETAIL

INCREMENT NO.
1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL
(THOMAS JEFFERSON)
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ARCHITECT

DSA SUBMITTAL

REVISIONS

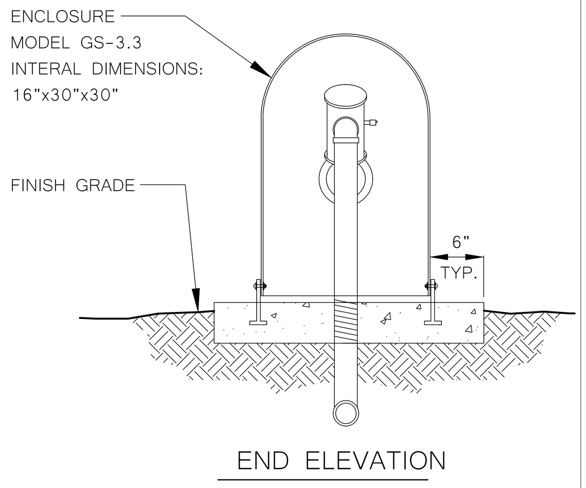
NO.	DESCRIPTION	DATE

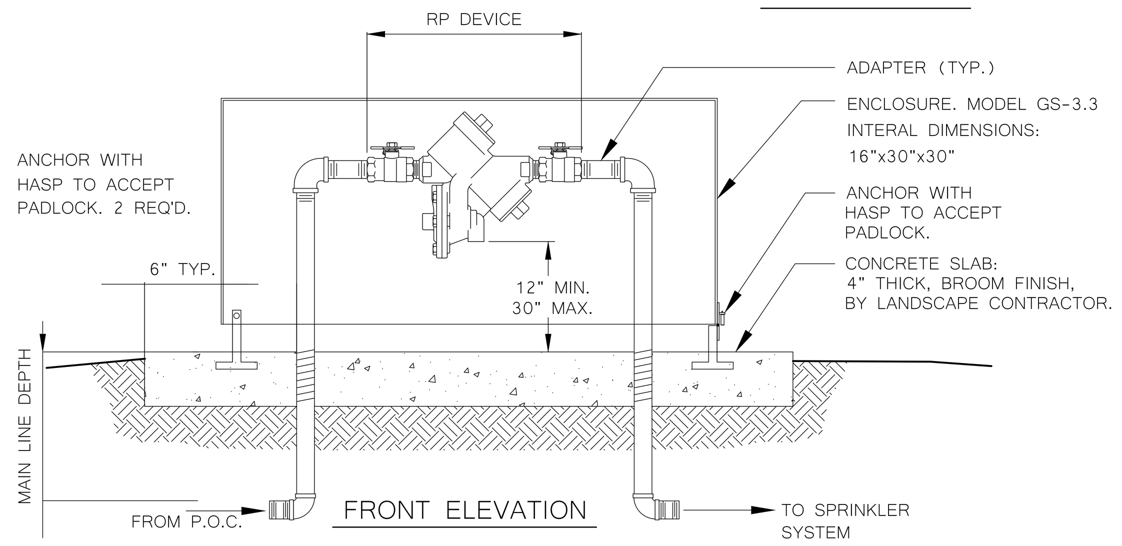
DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE
SPRINKLER IRRIGATION DETAILS

SHEET NO.
L4.3

NOTES:

1. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS
2. PIPING AND FITTINGS SHOWN ON THE DETAIL SHALL BE COPPER.
3. THE SIZE OF ALL PIPE SHALL BE THE SAME SIZE AS THE MAINLINE.
4. ENCLOSURE TO BE AS MANUFACTURED BY GUARDSHACK OR EQUAL. FINISH TO BE POWDER COATED WITH FOREST GREEN.
5. INSTALL WITH FREEZE BLANKET SIZED TO FIT

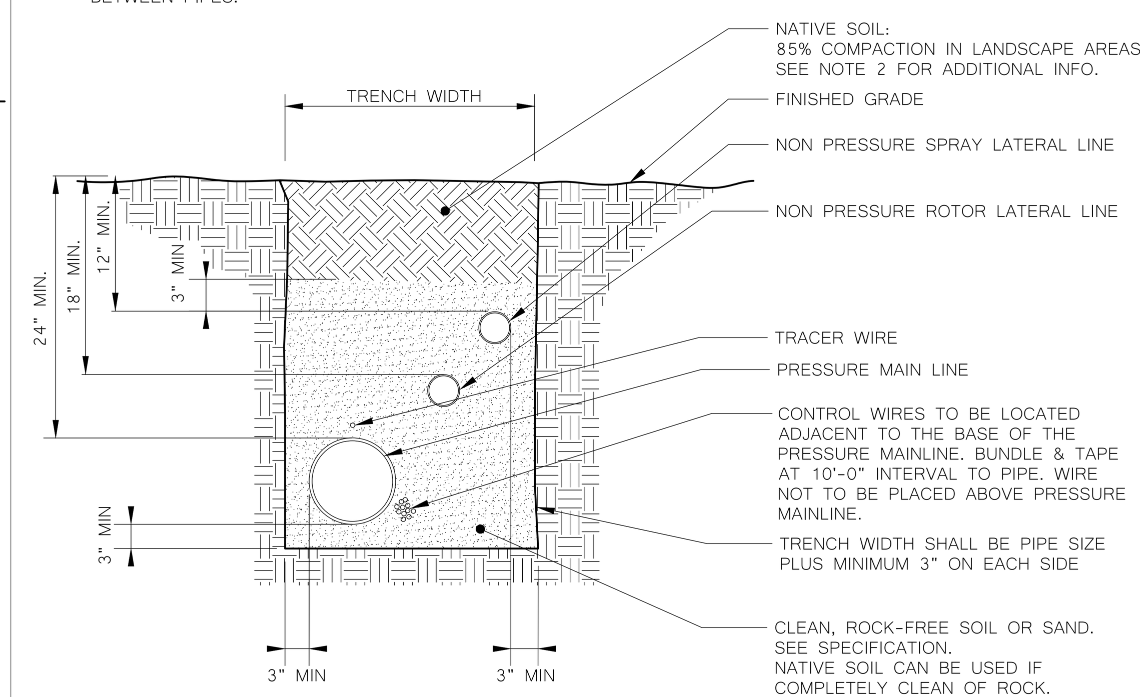




1 BACKFLOW PREVENTION DEVICE/ENCLOSURE

NOTES:

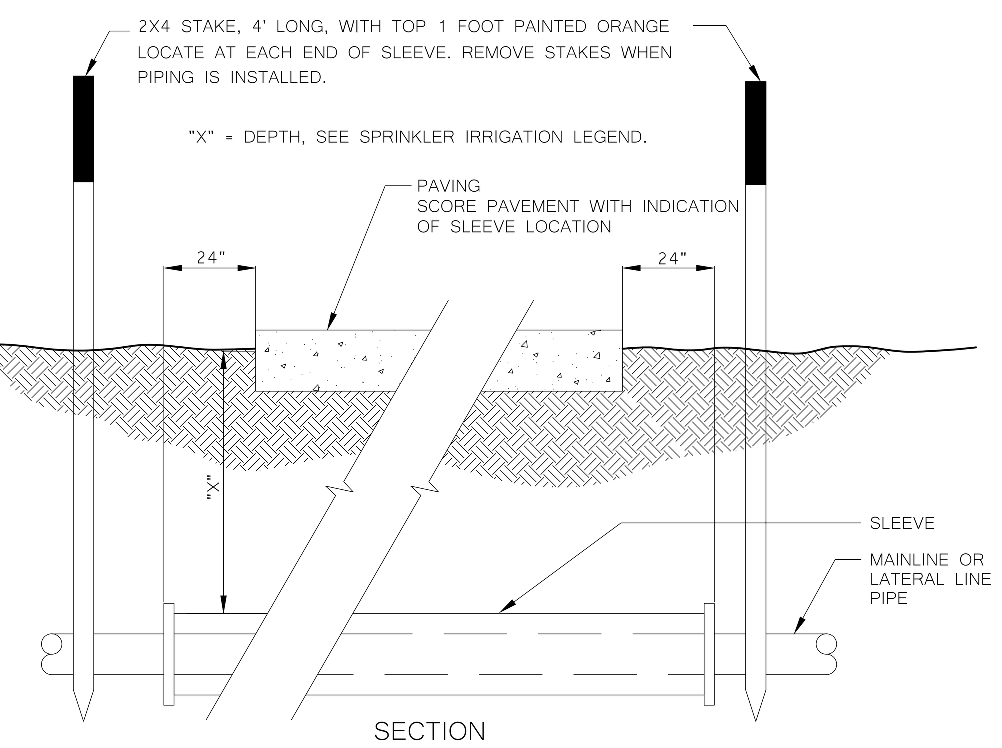
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION BETWEEN PIPES.



2 PIPE TRENCH DETAIL

NOTES:

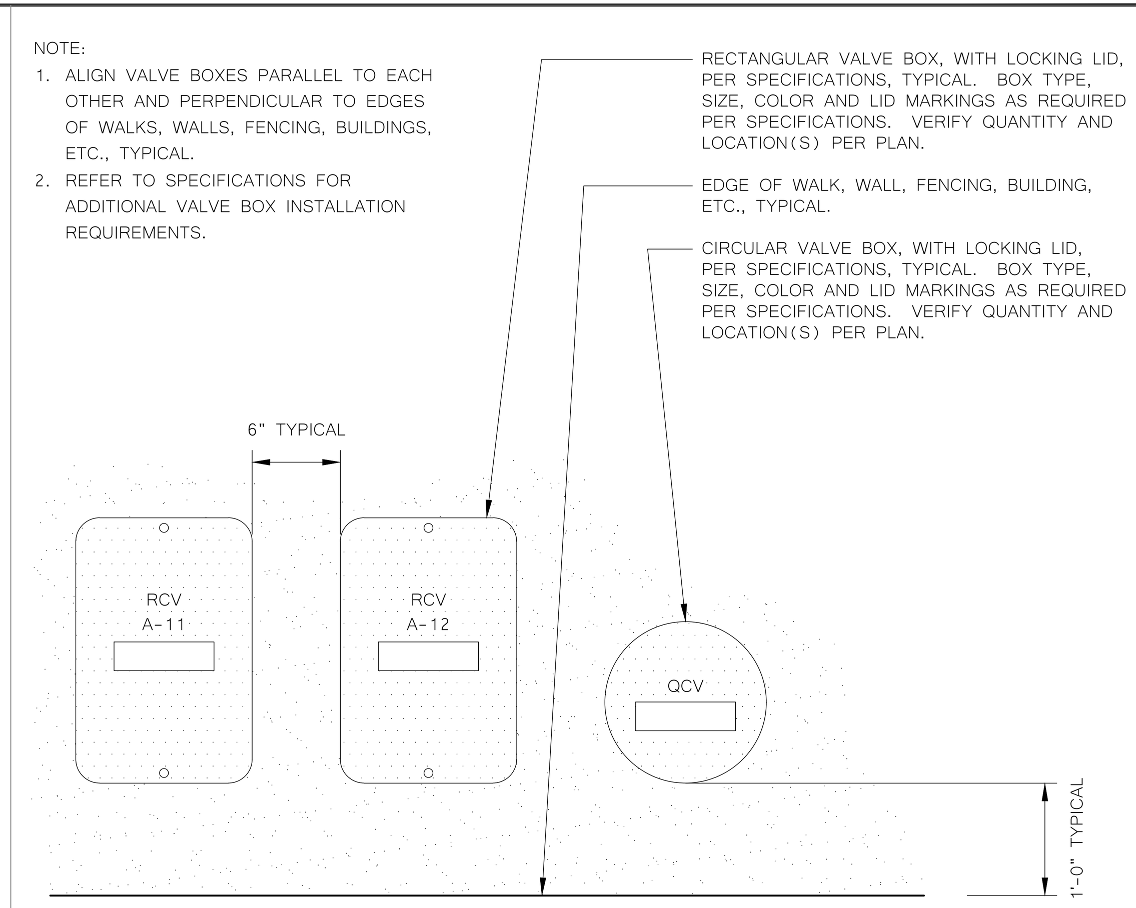
1. ALL PIPE AND FITTINGS TO BE SCHEDULE 40, P.V.C. SEE PLAN FOR LOCATION.
2. SLEEVES TO BE LARGE ENOUGH TO ACCEPT THE PIPE AND FITTINGS TO BE ENCASED.
3. PROVIDE A SEPARATE SLEEVE FOR EACH LATERAL OR MAIN CROSSING.
4. PROVIDE A SEPARATE SLEEVE FOR CONTROL WIRE
5. TAPE ALL ENDS WITH DUCT TAPE TO PREVENT ENTRY OF SOIL.



3 SLEEVE DETAIL

NOTE:

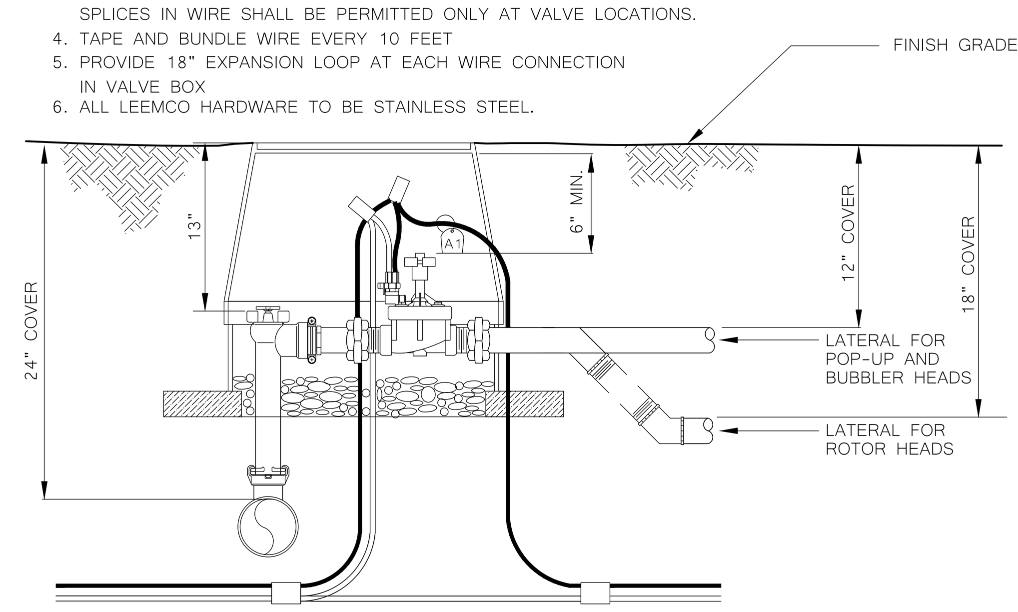
1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



4 TYPICAL VALVE BOX LAYOUT

NOTES:

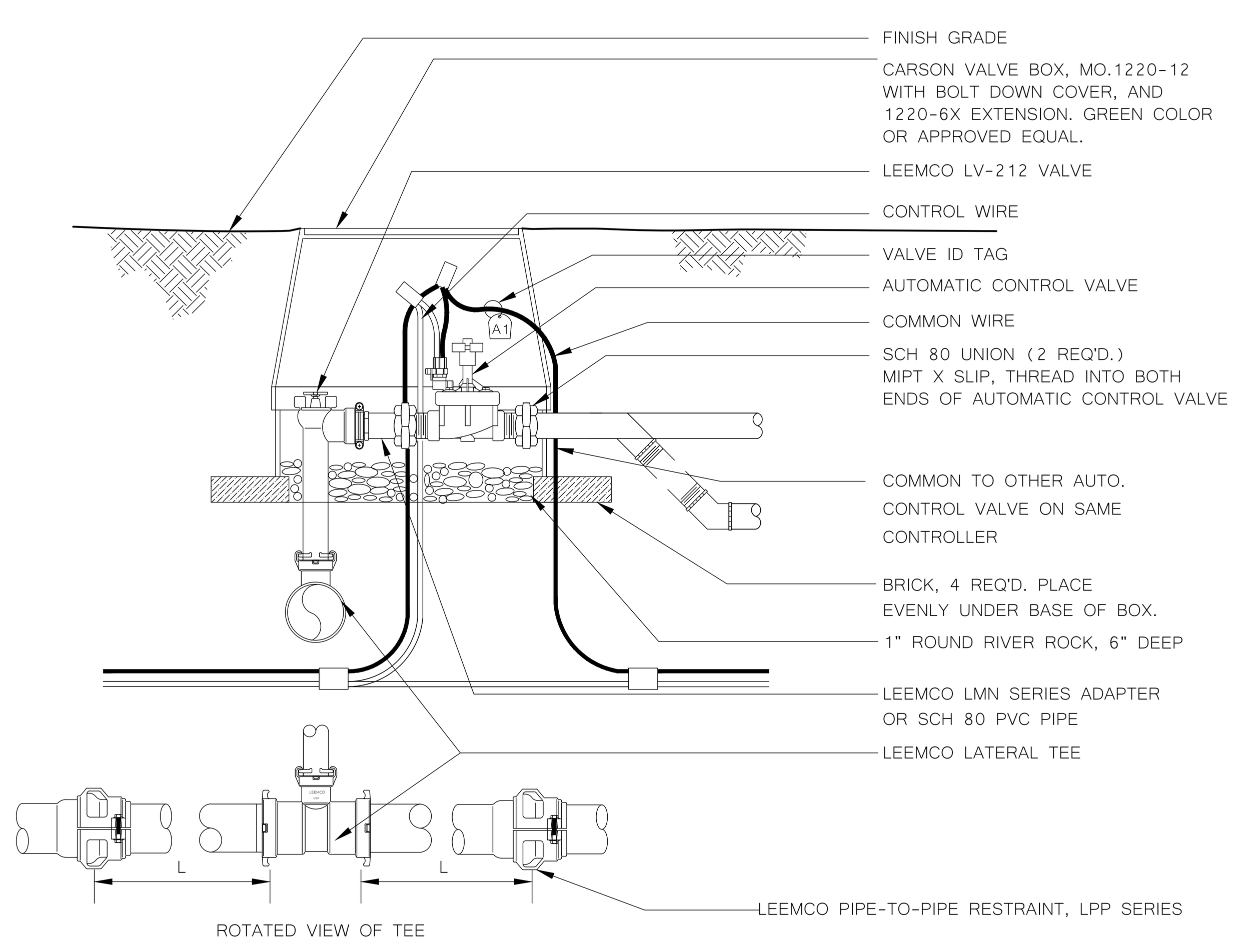
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	35 - 40 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 - 55 PSI
POP-UP ROTOR HEADS:	60 - 70 PSI
BUBBLER HEADS:	30 - 40 PSI
DRIP SYSTEMS:	15 - 20 PSI

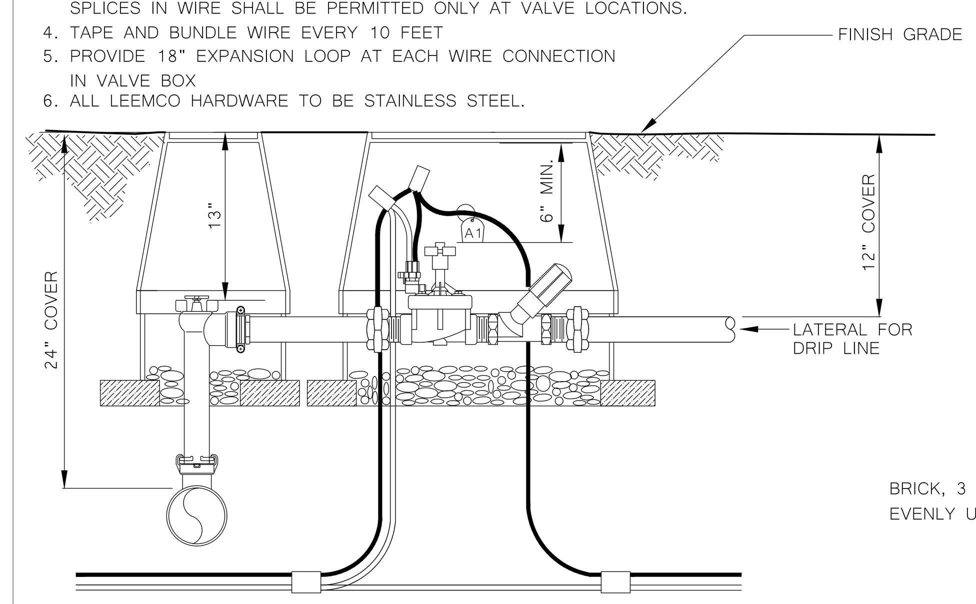
VALVE BOX, SETTINGS, AND CLEARANCES



5 AUTOMATIC CONTROL VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:

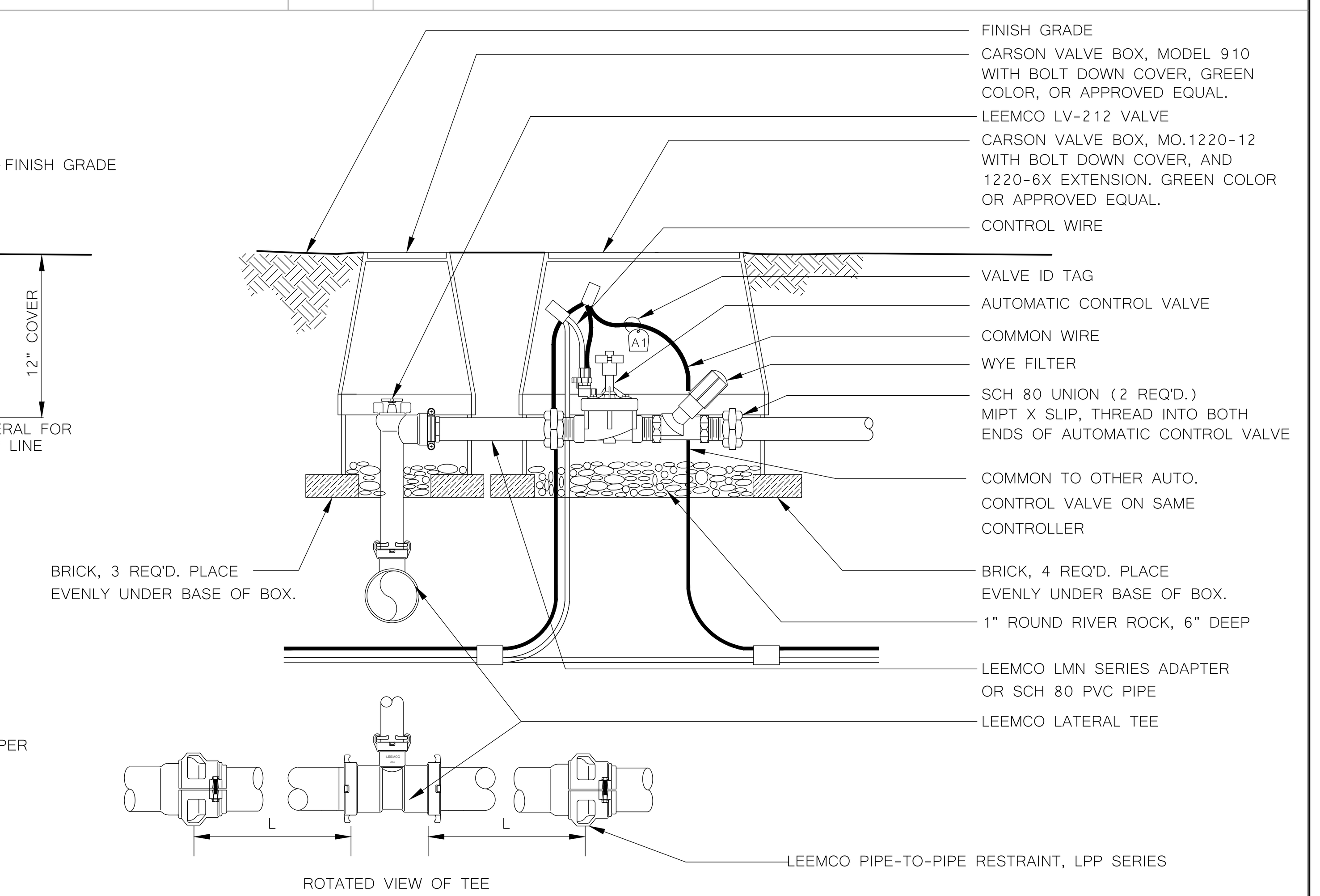
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

DRIP SYSTEMS:	25 - 30 PSI

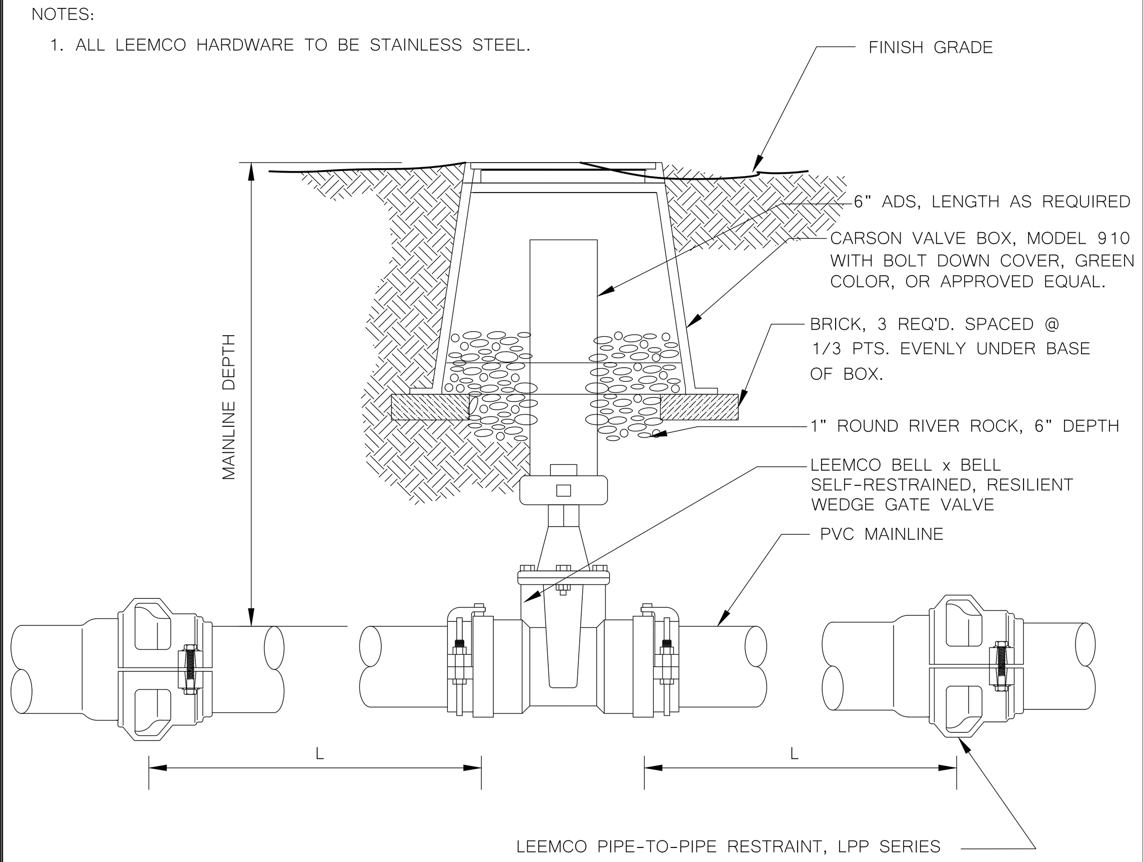
VALVE BOX, SETTINGS, AND CLEARANCES



6 AUTOMATIC CONTROL DRIP VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:

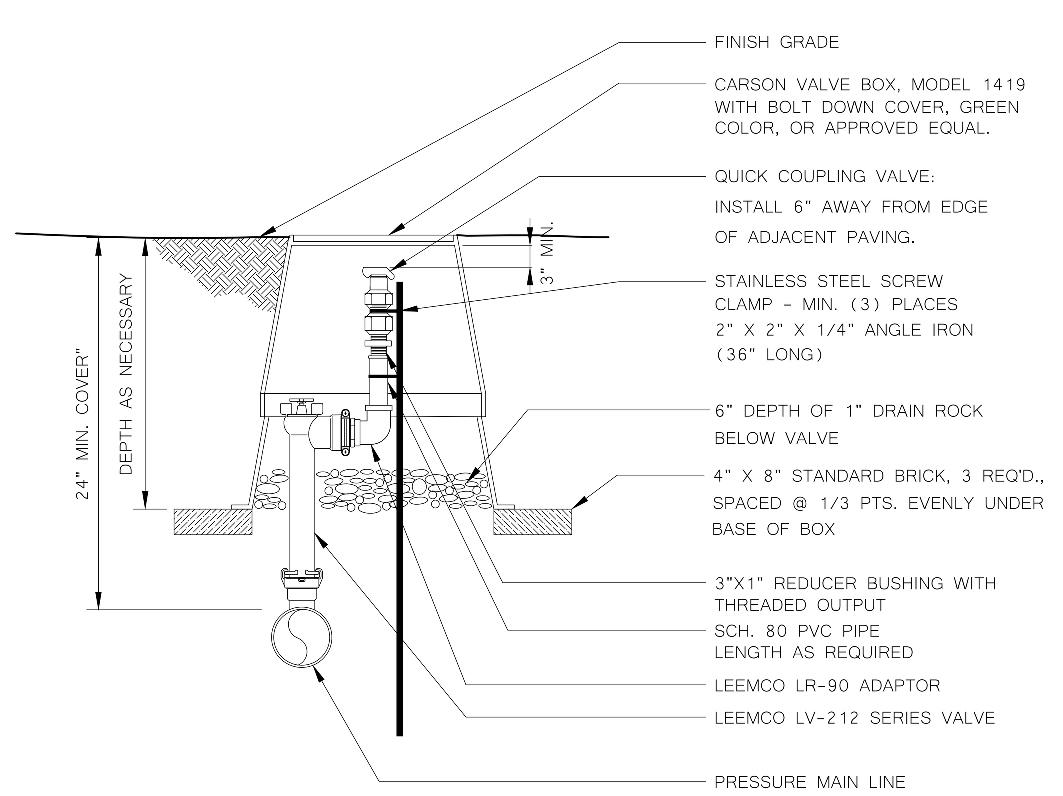
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



7 LEEMCO SELF-RESTRAINED GATE VALVE DETAIL

NOTES:

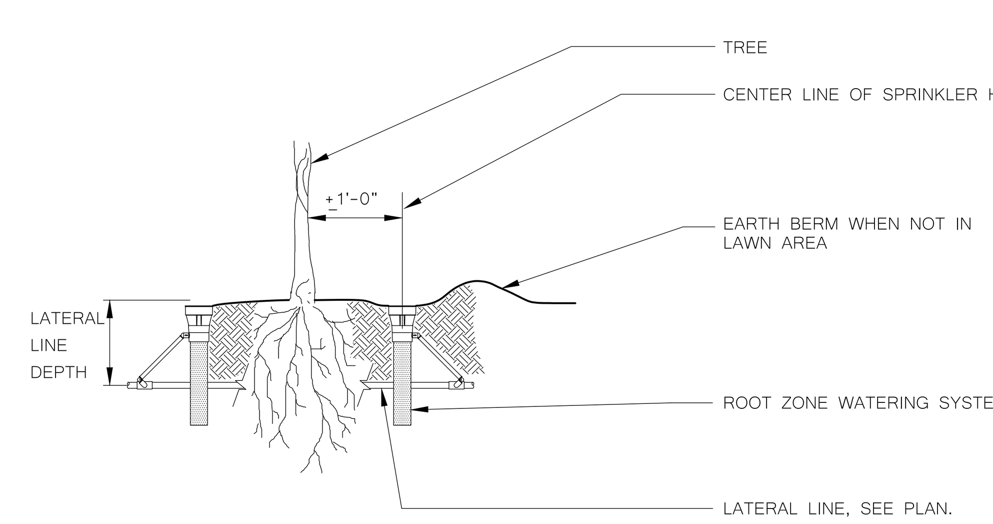
1. INSTALL VALVE BOXES SO THAT THE TOP OF THE BOX IS FLUSH WITH THE TOP OF ADJACENT SURFACE.
2. USE TEFLON TAPE ON ALL THREADED CONNECTIONS.
3. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



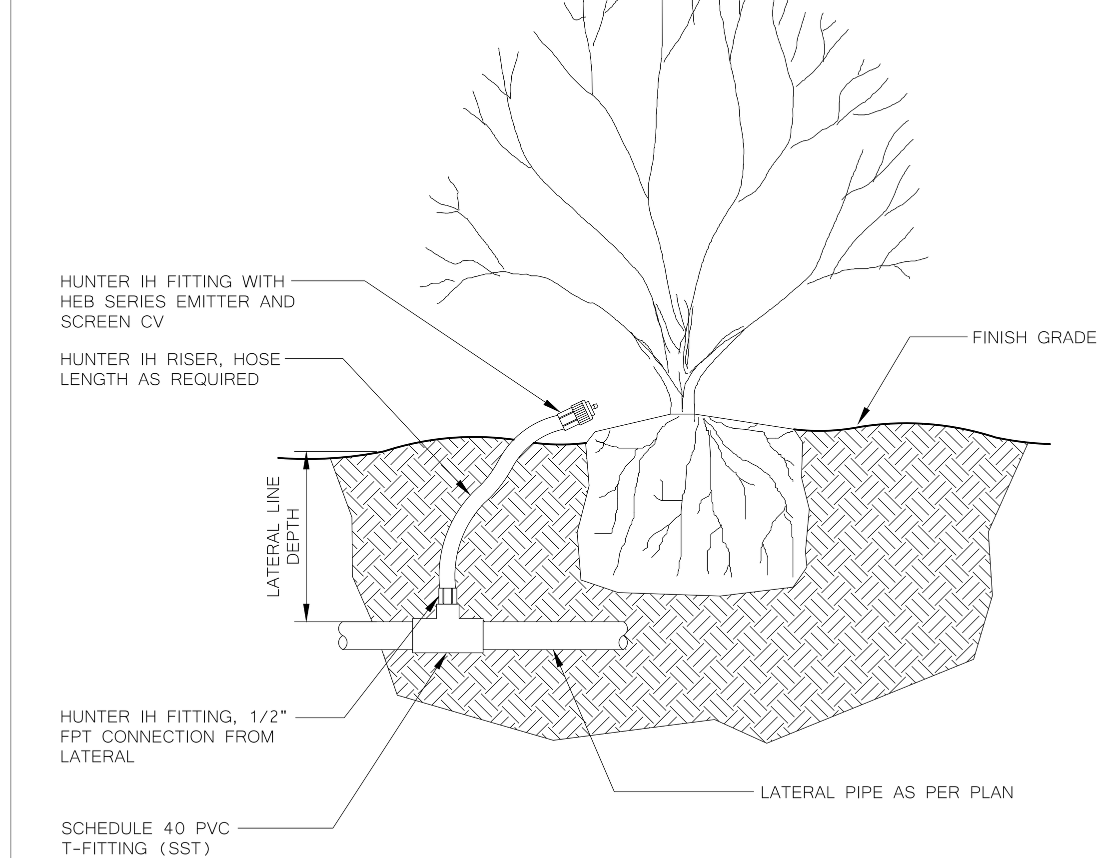
8 QUICK COUPLING VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:

1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.
2. INSTALL RZWS SLEEVE OVER TUBE TO HELP PREVENT SOIL INTRUSION.



9 TREE BUBBLER HEAD DETAIL



10 SHRUB BUBBLER DETAIL

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

INCREMENT NO.
1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

25-57

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

LICENSED LANDSCAPE ARCHITECT
BRYAN HOLLIS WALKER
5453
SIGNATURE
12/10/25
DATE
7/31/27
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

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916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

SPRINKLER IRRIGATION DETAILS

SHEET NO.

L4.4

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

IRRIGATION SCHEDULE TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION TYPE	FLOW (GPM)	PRECIP. RATE (PR) INCH/HR	IRRIGATION EFFICIENCY (IE)	SOIL TYPE	ROOT DEPTH	SLOPE	EXPOSURE
1	SHRUB - MED	0.3	BUBBLER	6.3	1.83	0.63	SANDY LOAM	6"	0-5%	FULL SUN
2	SHRUB - MED	0.3	BUBBLER	4.7	0.45	0.80	SANDY LOAM	6"	0-5%	FULL SUN
3	SHRUB - MED	0.3	BUBBLER	8.2	1.10	0.72	SANDY LOAM	6"	0-5%	FULL SUN
4	SHRUB - MED	0.3	BUBBLER	7.0	0.45	0.80	SANDY LOAM	6"	0-5%	FULL SUN
5	SHRUB - MED	0.3	BUBBLER	5.4	1.10	0.80	SANDY LOAM	6"	0-5%	FULL SUN
6	TREE - HIGH	0.8	BUBBLER	10.0	0.50	0.90	SANDY LOAM	12-24"	0-5%	FULL SUN
7	TREE - HIGH	0.8	BUBBLER	6.0	0.50	0.90	SANDY LOAM	12-24"	0-5%	FULL SUN
8	TREE - HIGH	0.8	BUBBLER	10.0	0.50	0.90	SANDY LOAM	12-24"	0-5%	FULL SUN
9	TREE - HIGH	0.8	BUBBLER	12.0	0.50	0.90	SANDY LOAM	12-24"	0-5%	FULL SUN
10	TREE - HIGH	0.8	BUBBLER	3.0	0.50	0.90	SANDY LOAM	12-24"	0-5%	FULL SUN

MAINTENANCE PERIOD (X/Y Z GAL)

STATION	JANUARY	FEBUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMEBER	DECEMBER
1	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	7 /2 380 GAL	7 /3 609 GAL	6 /5 815 GAL	7 /5 913 GAL	5 /6 783 GAL	7 /3 565 GAL	11 /1 293 GAL	0 /1 0 GAL	0 /1 0 GAL
2	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	22 /2 909 GAL	23 /3 1,454 GAL	19 /5 1,948 GAL	21 /5 2,181 GAL	15 /6 1,870 GAL	22 /3 1,350 GAL	34 /1 701 GAL	0 /1 0 GAL	0 /1 0 GAL
3	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	10 /2 721 GAL	11 /3 1,153 GAL	9 /5 1,544 GAL	10 /5 1,730 GAL	7 /6 1,483 GAL	10 /3 1,071 GAL	15 /1 556 GAL	0 /1 0 GAL	0 /1 0 GAL
4	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	22 /2 1,354 GAL	23 /3 2,166 GAL	19 /5 2,901 GAL	21 /5 3,249 GAL	15 /6 2,785 GAL	22 /3 2,011 GAL	34 /1 1,044 GAL	0 /1 0 GAL	0 /1 0 GAL
5	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	9 /2 427 GAL	10 /3 683 GAL	8 /5 915 GAL	9 /5 1,025 GAL	6 /6 879 GAL	9 /3 635 GAL	14 /1 330 GAL	0 /1 0 GAL	0 /1 0 GAL
6	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	47 /2 4,125 GAL	50 /3 6,601 GAL	40 /5 8,840 GAL	45 /5 9,901 GAL	32 /6 8,486 GAL	46 /3 6,129 GAL	72 /1 3,182 GAL	0 /1 0 GAL	0 /1 0 GAL
7	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	47 /2 2,475 GAL	50 /3 3,960 GAL	40 /5 5,304 GAL	45 /5 5,940 GAL	32 /6 5,092 GAL	46 /3 3,677 GAL	72 /1 1,909 GAL	0 /1 0 GAL	0 /1 0 GAL
8	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	47 /2 4,125 GAL	50 /3 6,601 GAL	40 /5 8,840 GAL	45 /5 9,901 GAL	32 /6 8,486 GAL	46 /3 6,129 GAL	72 /1 3,182 GAL	0 /1 0 GAL	0 /1 0 GAL
9	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	47 /2 4,950 GAL	50 /3 7,921 GAL	40 /5 10,608 GAL	45 /5 11,881 GAL	32 /6 10,184 GAL	46 /3 7,355 GAL	72 /1 3,819 GAL	0 /1 0 GAL	0 /1 0 GAL
10	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	47 /2 1,238 GAL	50 /3 1,980 GAL	40 /5 2,652 GAL	45 /5 2,970 GAL	32 /6 2,546 GAL	46 /3 1,839 GAL	72 /1 955 GAL	0 /1 0 GAL	0 /1 0 GAL
MONTHLY RAINFALL (CITY)	4.2	3.8	3.1	1.2	0.6	0.2	0.1	0.1	0.4	1	2.6	2.8
MONTHLY ET (CITY)	1.1 JAN	1.7 FEB	3.1 MAR	4.7 APR	6.2 MAY	7.7 JUN	8.5 JUL	7.3 AUG	5.6 SEP	3.7 OCT	1.7 NOV	1.0 DEC
MONTHLY TOTALS (GAL)	0 GAL	0 GAL	0 GAL	19,467 GAL	31,147 GAL	41,715 GAL	46,721 GAL	40,047 GAL	28,923 GAL	15,017 GAL	0 GAL	0 GAL

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)
1	SHRUB - MED	0.3	3,394	1018.2	0.81	40,449
2	SHRUB - MED	0.3	1,165	349.5	0.81	13,884
3	SHRUB - MED	0.3	2,270	681.0	0.81	27,053
4	SHRUB - MED	0.3	1,927	578.1	0.81	22,966
5	SHRUB - MED	0.3	2,859	857.7	0.81	34,073
6	TREE - HIGH	0.8	200	160.0	0.81	6,356
7	TREE - HIGH	0.8	120	96.0	0.81	3,814
8	TREE - HIGH	0.8	200	160.0	0.81	6,356
9	TREE - HIGH	0.8	240	192.0	0.81	7,627
10	TREE - HIGH	0.8	60	48.0	0.81	1,907
		TOTAL AREA	12,435		ETWU TOTAL	162,578
Eto (Sacramento)	51.9					
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)((PF)(HA)/IE+SLA) = GAL/YEAR						
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETo)(0.62)[(0.65 x LA)+(0.35 x SLA)] = GAL/YEAR						
					MAWA TOTAL	260,087

LANDSCAPE HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE AREA
1	SHRUB - MED	BUBBLER	3,394	27.3%
2	SHRUB - MED	BUBBLER	1,165	9.4%
3	SHRUB - MED	BUBBLER	2,270	18.3%
4	SHRUB - MED	BUBBLER	1,927	15.5%
5	SHRUB - MED	BUBBLER	2,859	23.0%
6	TREE - HIGH	BUBBLER	200	1.6%
7	TREE - HIGH	BUBBLER	120	1.0%
8	TREE - HIGH	BUBBLER	200	1.6%
9	TREE - HIGH	BUBBLER	240	1.9%
10	TREE - HIGH	BUBBLER	60	0.5%

"

SPRINKLER IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
   A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
      SYSTEMS WITH BOOSTER PUMP:
      MAIN LINE - AT 100 PSI FOR 4 HOURS.
      LATERAL LINES - AT 100 PSI FOR 2 HOURS.
      SYSTEMS WITH OUT BOOSTER PUMP:
      MAIN LINE - AT STATIC PSI FOR 4 HOURS.
      LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
   B. COVERAGE TEST: NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. CONTROL WIRE SHALL BE UF-14, COLOR FOR LEAD AND WHITE FOR COMMON. SPLICES SHALL BE PERMITTED AT VALVE BOX LOCATIONS ONLY.
10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.4-L4.7

INCREMENT NO.
1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL
(THOMAS JEFFERSON)
CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

25-57
MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

LICENSED LANDSCAPE ARCHITECT
BRYAN HOLLIS WALKER
5453
SIGNATURE
12/10/25
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RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

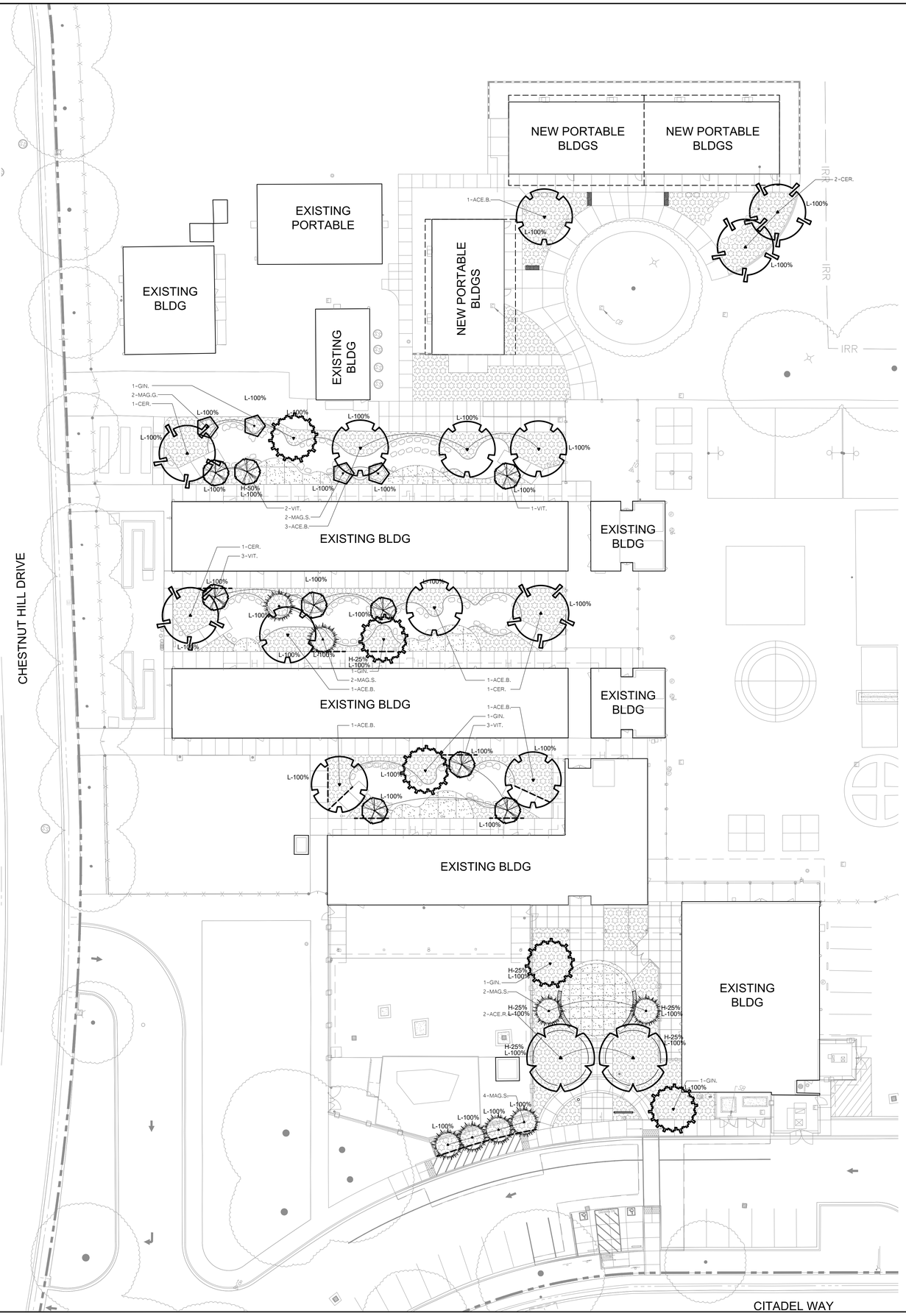
NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00

SHEET TITLE
MWELO CHARTS AND PRE-CON. SPRINKLER IRRIGATION NOTES

SHEET NO.
L5.1

INCREMENT NO.
1



KEY | TREE SHADING LEGEND

H-100%
L-100%

TREES - NOT ALL SYMBOLS SHOWN
WITH TREE SHADING CANOPY PERCENTAGE

SHADE PERCENTAGE
H = HARDSCAPE
L = LANDSCAPE

AREA USED AS 'TOTAL HARDSCAPE AREA'

AREA USED AS 'TOTAL LANDSCAPE AREA'

LANDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%
30'	02 (707) = 1414 S.F.
25'	18 (491) = 8838 S.F.
20'	19 (314) = 5966 S.F.
SUB-TOTALS	16218 S.F.

TOTAL LANDSCAPE AREA = 11,617 S.F.

TOTAL SHADED AREA = 16,218 S.F.

PERCENTAGE OF SHADE = 139.6%

HARDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	50%	25%
30'		02 (177) = 0354 S.F.
25'		02 (123) = 0246 S.F.
20'	01 (157) = 0157 S.F.	02 (79) = 0158 S.F.
SUB-TOTALS	0157 S.F.	0758 S.F.

TOTAL HARDSCAPE AREA = 2,060 S.F.

TOTAL SHADED AREA = 915 S.F.

PERCENTAGE OF SHADE = 44.4%

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

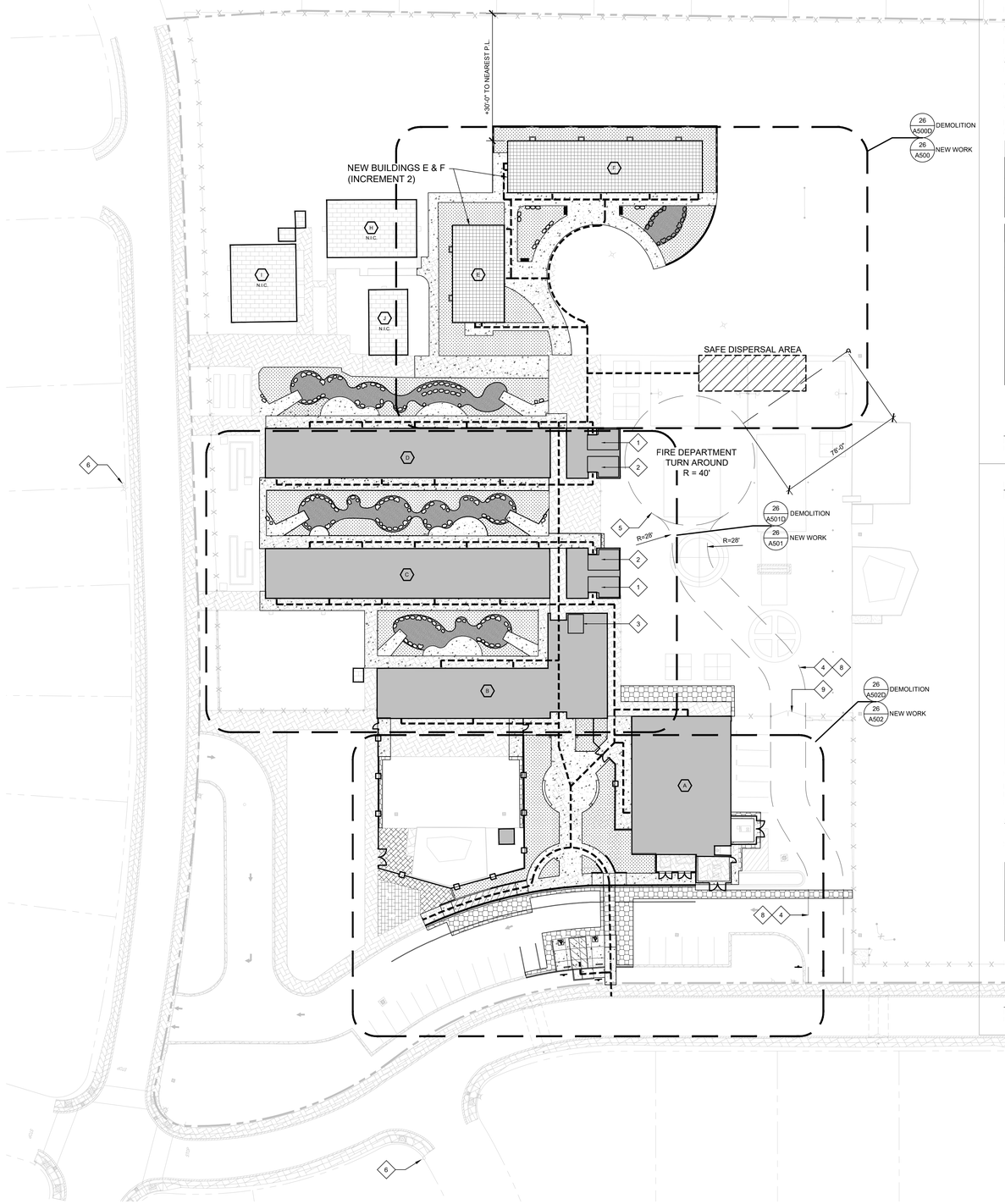
JOB NO.: Y2524.00

SHEET TITLE

TREE SHADING PLAN

SHEET NO.

L6.1



1 SITE PLAN
SCALE: 1" = 30'-0"

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION	
School District/Owner:	Sacramento City Unified School District
Project Name/School:	California Montessori Capital (Thomas Jefferson) Campus Renewal
Project Address:	2635 Chestnut Hill Drive, Sacramento, CA 95826

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.				
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.				
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.				
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: Sacramento Fire Department	
LFA Review Official: King Tunson	
Title: Program Specialist - Fire Plan Review Manager	Work Phone: (916) 808-1358
Work Email: ktunson@sfd.cityofsacramento.org	

LFA Reviewer's Signature: _____ Date: _____

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. ALL (N) CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. RELOCATE EXISTING AREA DRAINS. REPLACE VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.
2. ALL LANDSCAPED AREAS SHALL BE LESS THAN 4" BELOW FINISHED ADJACENT CONCRETE WALK.
3. SEE CIVIL DRAWINGS FOR ALL FLATWORK PAVING, SEAL COATING, STRIPING, AND OTHER ADDITIONAL DETAILS.
4. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
5. PROTECT SITE SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
6. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
7. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
8. AT ALL AREAS LABELED "NEW LANDSCAPE", REFER TO LANDSCAPE DRAWINGS FOR PLANTING LOCATIONS, TREE LOCATIONS, BOULDER LOCATIONS, AND OTHER LANDSCAPE ELEMENTS.
9. REPAINT DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

KEYNOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. ACCESSIBLE UPGRADES TO (E) BOY'S TOILET ROOM PER THIS APPLICATION.
2. ACCESSIBLE UPGRADES TO (E) GIRL'S TOILET ROOM PER THIS APPLICATION.
3. ACCESSIBLE UPGRADES TO (E) STAFF TOILET ROOM PER THIS APPLICATION.
4. 20' WIDE FIRE LANE, EXCEPT AS NOTED.
5. 80' DIAMETER FIRE TRUCK TURN-AROUND.
6. (E) FIRE HYDRANT, SEE CIVIL DWG.
7. (N) FIRE HYDRANT, SEE CIVIL DWG.
8. PROVIDE 6" WIDE RED STRIPE ON PAVEMENT. PAINT 4" TALL WHITE LETTERING CENTERED IN STRIPE, STATING "NO PARKING - FIRE LANE" AT 25' O.C.
9. (E) METAL GATE (20'-0" MINIMUM CLEAR) WITH KNOXBOX.

LEGEND:

- (E) CAMPUS BUILDINGS INCLUDED IN SCOPE OF WORK
- (E) BUILDING NOT INCLUDED IN CONTRACT. N.I.C.
- BUILDINGS (INCREMENT 2)
- AC PAVING - SEE CIVIL DRAWINGS.
- CONCRETE FLATWORK - SEE CIVIL DRAWINGS FOR CURB CUT LOCATIONS, DETAILS, AND OTHER ADDITIONAL INFORMATION.
- (E) CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- LANDSCAPING AREA - SEE LANDSCAPE DRAWINGS FOR TREES, PLANTS, AND OTHER LANDSCAPE ELEMENTS.
- WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- TURF REPAIR - SEE LANDSCAPE DRAWINGS.

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES (11B-403.5.3) AT LEAST 60"X60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-4073.7) NOT MORE THAN 400' APART. THE CROSS-SLOPE AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 2% AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN. (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2).

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT" (FROM DSA 140).

STAFF PARKING LOT CALCULATIONS:

CODE REFERENCES:
2022 CBC TABLE 11B-208.2
AND
2022 CBC TABLE 11B-228.3.2.1

NUMBER OF STANDARD STALLS PROVIDED/REQUIRED: 26/26
NUMBER OF ACCESSIBLE STALLS PROVIDED/REQUIRED: 2/2
NUMBER OF VAN ACCESSIBLE STALLS PROVIDED/REQUIRED: 1/1

BUILDING DATA:

	BUILDING NAME	USE	O.C.C.	TYPE	ACTUAL AREA	ORIGINAL DSA NO.
A	MULTIPURPOSE	ASSEMBLY	E	VB	5,100	23233
B	ADMINISTRATION	ADMINISTRATION/ CLASSROOMS	E	VB	5,560	23233
C	CLASSROOMS	CLASSROOMS/ RESTROOMS	E	VB	6,440	23233
D	CLASSROOMS	CLASSROOMS/ RESTROOMS	E	VB	6,440	23233
E	CLASSROOMS	CLASSROOMS	E	VB	1,920	02-123812
F	CLASSROOMS	CLASSROOMS	E	VB	3,840	02-123812
H	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	1,785	UNKNOWN
I	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	1,749	122902
J	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	844	121694
		TOTAL SQUARE FOOTAGE:			33,678	

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL
(THOMAS JEFFERSON)
CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

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ARCHITECT

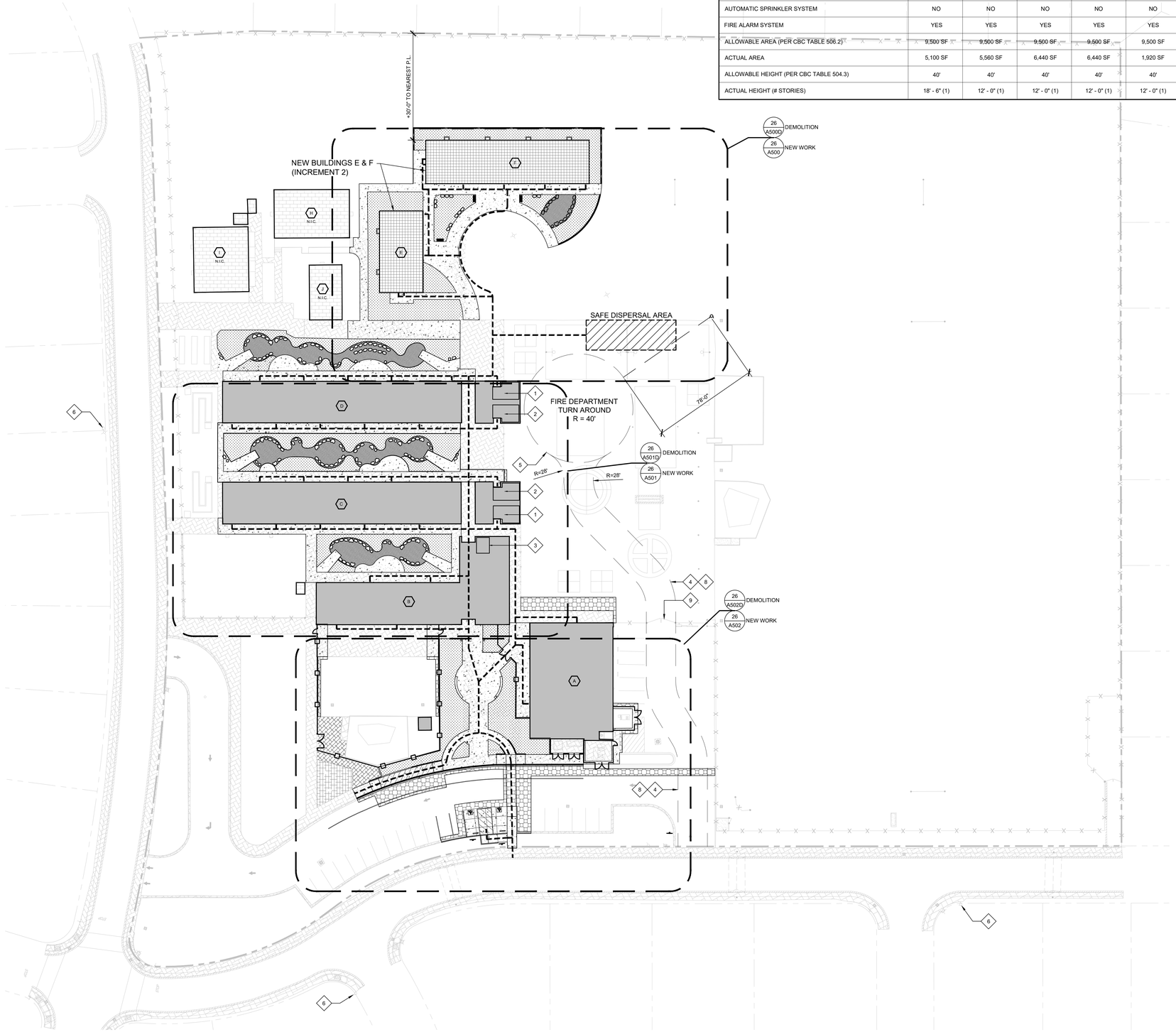
DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE
FIRE ACCESS SITE PLAN

SHEET NO.
A100FA



1 SITE PLAN
SCALE: 1" = 30'-0"

CODE INFORMATION

BUILDING	A	B	C	D	E	F
CONSTRUCTION TYPE (PER CBC SECTION 602.5, SECTION 705.1 & TABLE 601)	VB	VB	VB	VB	VB	VB
OCCUPANCY CLASSIFICATION (PER CBC CHAPTER 3)	E	E	E	E	E	E
AUTOMATIC SPRINKLER SYSTEM	NO	NO	NO	NO	NO	NO
FIRE ALARM SYSTEM	YES	YES	YES	YES	YES	YES
ALLOWABLE AREA (PER CBC TABLE 506.2)	9,500 SF	9,500 SF	9,500 SF	9,500 SF	9,500 SF	9,500 SF
ACTUAL AREA	5,100 SF	5,560 SF	6,440 SF	6,440 SF	1,920 SF	3,840 SF
ALLOWABLE HEIGHT (PER CBC TABLE 504.3)	40'	40'	40'	40'	40'	40'
ACTUAL HEIGHT (# STORIES)	18' - 6" (1)	12' - 0" (1)	12' - 0" (1)	12' - 0" (1)	12' - 0" (1)	12' - 0" (1)

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. ALL (N) CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. RELOCATE EXISTING AREA DRAINS. REPLACE VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.
2. ALL LANDSCAPED AREAS SHALL BE LESS THAN 4" BELOW FINISHED ADJACENT CONCRETE WALK.
3. SEE CIVIL DRAWINGS FOR ALL FLATWORK PAVING, SEAL COATING, STRIPING, AND OTHER ADDITIONAL DETAILS.
4. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
5. PROTECT SITE SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
6. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
7. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
8. AT ALL AREAS LABELED "NEW LANDSCAPE", REFER TO LANDSCAPE DRAWINGS FOR PLANTING LOCATIONS, TREE LOCATIONS, BOULDER LOCATIONS, AND OTHER LANDSCAPE ELEMENTS.
9. REPAINT DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

KEYNOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. ACCESSIBLE UPGRADES TO (E) BOY'S TOILET ROOM PER THIS APPLICATION.
2. ACCESSIBLE UPGRADES TO (E) GIRL'S TOILET ROOM PER THIS APPLICATION.
3. ACCESSIBLE UPGRADES TO (E) STAFF TOILET ROOM PER THIS APPLICATION.
4. 20' WIDE FIRE LANE, EXCEPT AS NOTED.
5. 80' DIAMETER FIRE TRUCK TURN-AROUND.
6. (E) FIRE HYDRANT, SEE CIVIL DWG.
7. (N) FIRE HYDRANT, SEE CIVIL DWG.
8. PROVIDE 6" WIDE RED STRIPE ON PAVEMENT. PAINT 4" TALL WHITE LETTERING CENTERED IN STRIPE, STATING "NO PARKING - FIRE LANE" AT 25' O.C.
9. (E) METAL GATE (20'-0" MINIMUM CLEAR) WITH KNOXBOX.

LEGEND:

- (E) CAMPUS BUILDINGS INCLUDED IN SCOPE OF WORK
- (E) BUILDING NOT INCLUDED IN CONTRACT. N.I.C.
- BUILDINGS (INCREMENT 2)
- AC PAVING - SEE CIVIL DRAWINGS.
- CONCRETE FLATWORK - SEE CIVIL DRAWINGS FOR CURB CUT LOCATIONS, DETAILS, AND OTHER ADDITIONAL INFORMATION.
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STAFF PARKING LOT CALCULATIONS:

CODE REFERENCES:
2022 CBC TABLE 11B-208.2
AND
2022 CBC TABLE 11B-228.3.2.1

NUMBER OF STANDARD STALLS PROVIDED/REQUIRED: 26/26
NUMBER OF ACCESSIBLE STALLS PROVIDED/REQUIRED: 2/2
NUMBER OF VAN ACCESSIBLE STALLS PROVIDED/REQUIRED: 1/1

BUILDING DATA:

	BUILDING NAME	USE	O.C.C.	TYPE	ACTUAL AREA	ORIGINAL DSA NO.
A	MULTIPURPOSE	ASSEMBLY	E	VB	5,100	23233
B	ADMINISTRATION	ADMINISTRATION/ CLASSROOMS	E	VB	5,560	23233
C	CLASSROOMS	CLASSROOMS/ RESTROOMS	E	VB	6,440	23233
D	CLASSROOMS	CLASSROOMS/ RESTROOMS	E	VB	6,440	23233
E	CLASSROOMS	CLASSROOMS	E	VB	1,920	02-123812
F	CLASSROOMS	CLASSROOMS	E	VB	3,840	02-123812
H	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	1,785	UNKNOWN
I	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	1,749	122902
J	CLASSROOMS (N.I.C.)	CLASSROOMS	E	VB	844	121694

TOTAL SQUARE FOOTAGE: 33,678

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

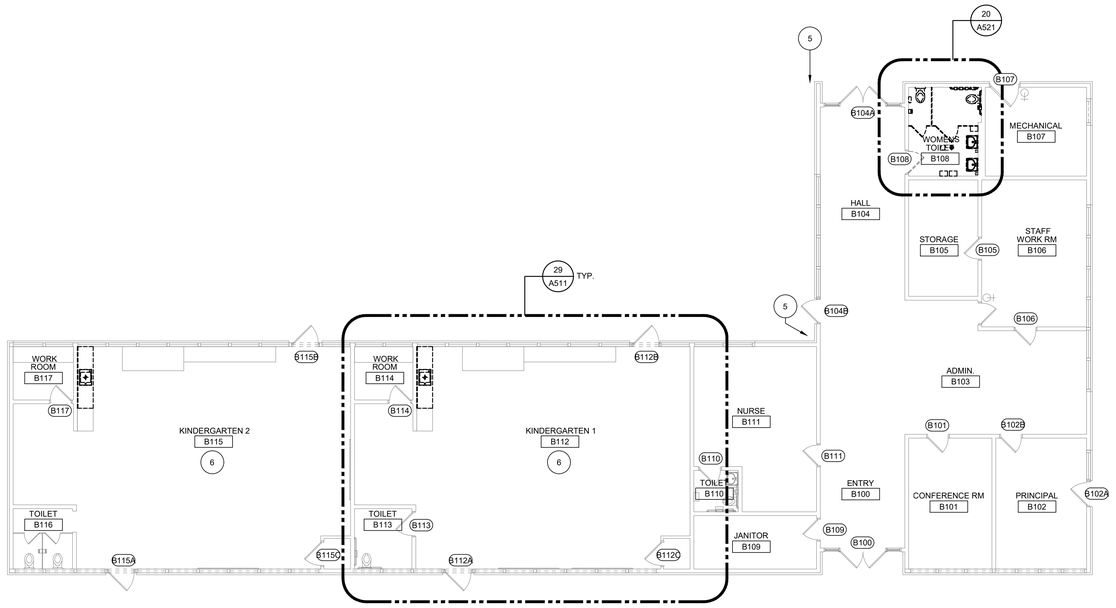
JOB NO.: Y2524.00

SHEET TITLE

OVERALL SITE IMPROVEMENT PLAN

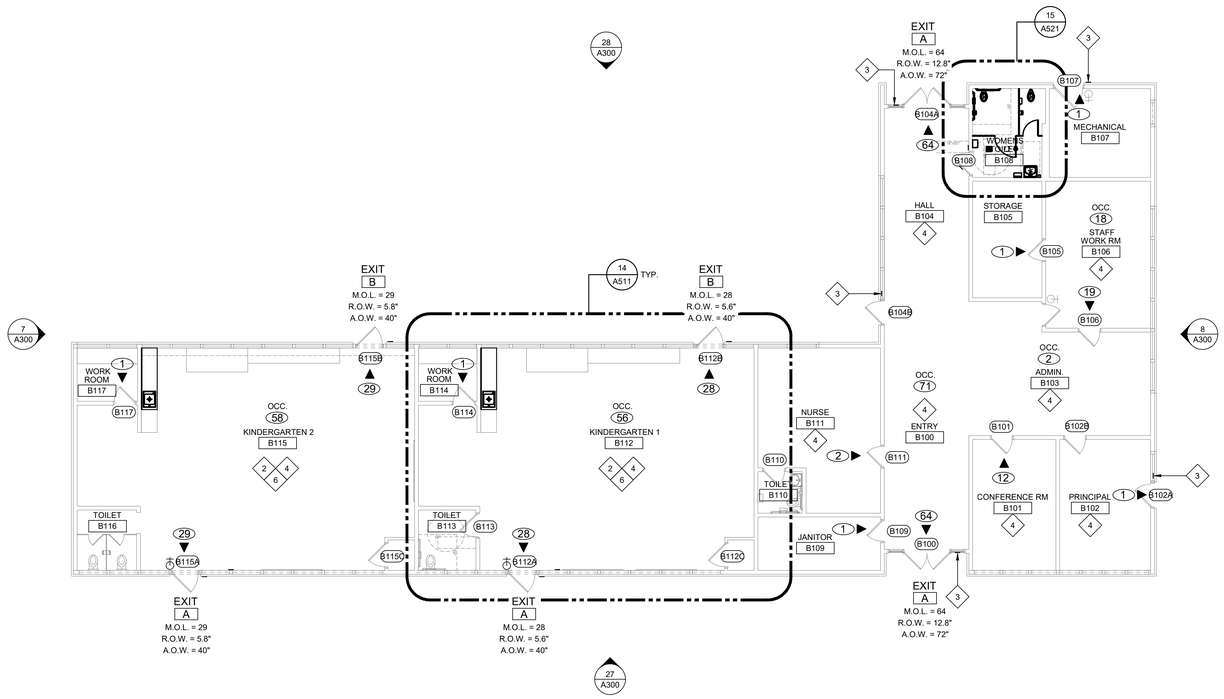
SHEET NO.

A100



29 BUILDING B FLOOR PLAN - DEMOLITION

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



26 BUILDING B FLOOR PLAN - NEW WORK

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

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. SEE FINISH PLAN A811 - A814 FOR PAINT COLORS AND ACCENT WALLS.
3. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
4. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
5. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEETS A521-A523.
6. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPAIR DAMAGED OR TORN CURTAINS AND RESEW FRAYED EDGES.
7. SEE A600 FOR DOOR SCOPE FOR BOTH INTERIOR AND EXTERIOR DOORS.

DEMOLITION KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. EXISTING SINK TO REMAIN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. EXISTING MARKER BOARDS TO REMAIN. MASK AND PROTECT IN PLACE DURING ALTERATION WORK.
4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. REMOVE EXISTING DOWNSPOUT TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED.
6. SEE TYPICAL ENLARGED CLASSROOM DEMOLITION FLOOR PLANS & INTERIOR ELEVATIONS ON SHEETS A511 & A512 FOR ADDITIONAL INFORMATION.

NEW WORK KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW CASEWORK WITH SINK PER 9/A640 AND 19/A640. SEE PLAN FOR COUNTERTOP AND SPLASH HEIGHT. NEW SOAP DISPENSER AND NEW TOWEL DISPENSER ABOVE. MOUNTING HEIGHTS PER 11/A640.
2. SEE TYPICAL ENLARGED CLASSROOM PLANS ON A551 FOR INFORMATION NOT SHOWN HERE.
3. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 AND SEE DOOR SCHEDULE ON A600.
4. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
5. NEW DOOR THRESHOLD PER DETAIL 1/A630.
6. SEE TYPICAL ENLARGED CLASSROOM FLOOR PLANS & INTERIOR ELEVATIONS ON SHEETS A511 & A512 FOR ADDITIONAL INFORMATION.

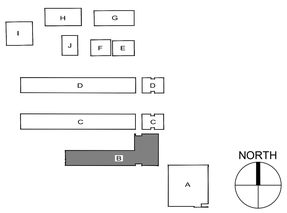
OCCUPANT LOAD CALCULATIONS

ROOM NO.	ROOM NAME	USE	FLOOR AREA (S.F.)	OCC. LOAD FACTOR	MAX. OCC.
BUILDING B - KINDERGARTEN / ADMINISTRATION					
B100	ENTRY	ASSEMBLY	356	5	71
B101	CONFERENCE ROOM	ASSEMBLY	185	15	12
B102	PRINCIPAL	BUSINESS	202	150	1
B103	ADMINISTRATION	BUSINESS	358	150	2
B104	HALL	BUSINESS	278	-	-
B105	STORAGE	ACCESSORY	137	300	1
B106	STAFF WORKROOM	ASSEMBLY	262	15	18
B107	MECHANICAL	ACCESSORY	153	300	1
B108	WOMEN'S TOILET	RESTROOM	108	-	-
B109	JANITOR	ACCESSORY	111	300	1
B110	TOILET	RESTROOM	31	-	-
B111	NURSE	BUSINESS	308	150	2
B112	KINDERGARTEN 1	CLASSROOM	1,123	20	56
B113	TOILET	RESTROOM	59	-	-
B114	WORK ROOM	ASSEMBLY	53	15	4
B115	KINDERGARTEN 2	CLASSROOM	1,128	20	58
B116	TOILET	RESTROOM	61	-	-
B117	WORK ROOM	ASSEMBLY	55	15	4
				TOTAL	231

LEGEND:

- (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL WITH NEW SIGN.
- (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED AND NEW SIGN ABOVE. SEE SPEC SECTION 10 44 16.
- EXIT A — EXTERIOR EXIT OPENING
- OCC. — OCCUPANCY LOAD
- M.O.L. — MAXIMUM OCCUPANCY LOAD AT EXTERIOR EXIT
- R.O.W. — REQUIRED OPENING WIDTH (.2" x OCCUPANT LOAD OR 36" MIN.)
- A.O.W. — ACTUAL OPENING WIDTH PROVIDED
- ▲ — EXIT TO EXTERIOR
- # — NUMBER OF OCCUPANTS IN SUBJECT SPACE PER OCCUPANT LOAD CALCULATION

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL — DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

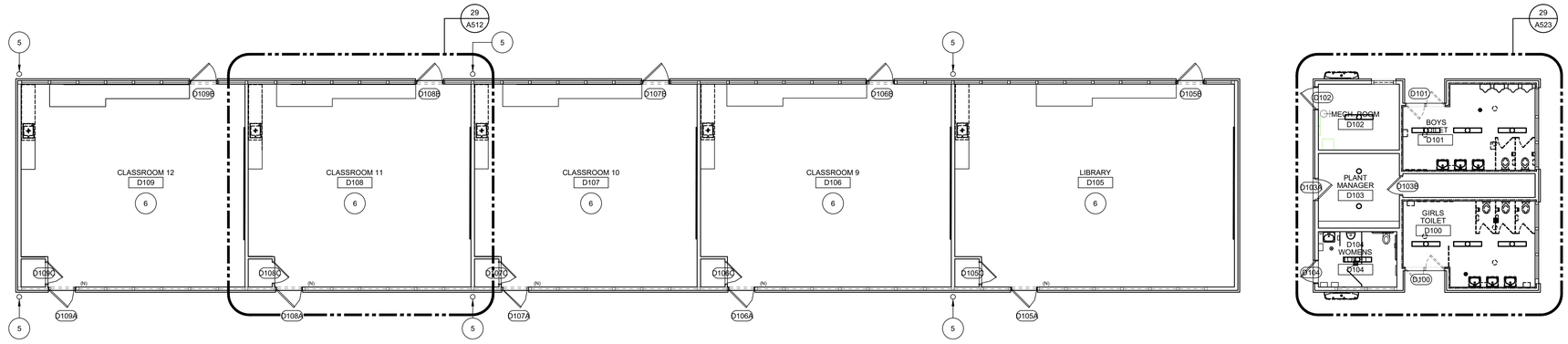
JOB NO.: Y2524.00

SHEET TITLE

FLOOR PLAN
BUILDING B

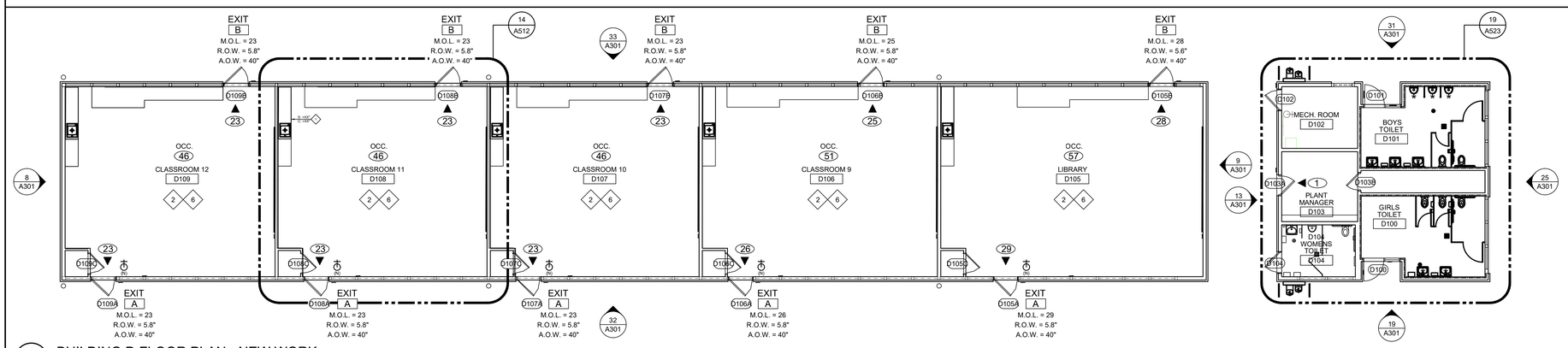
SHEET NO.

A111



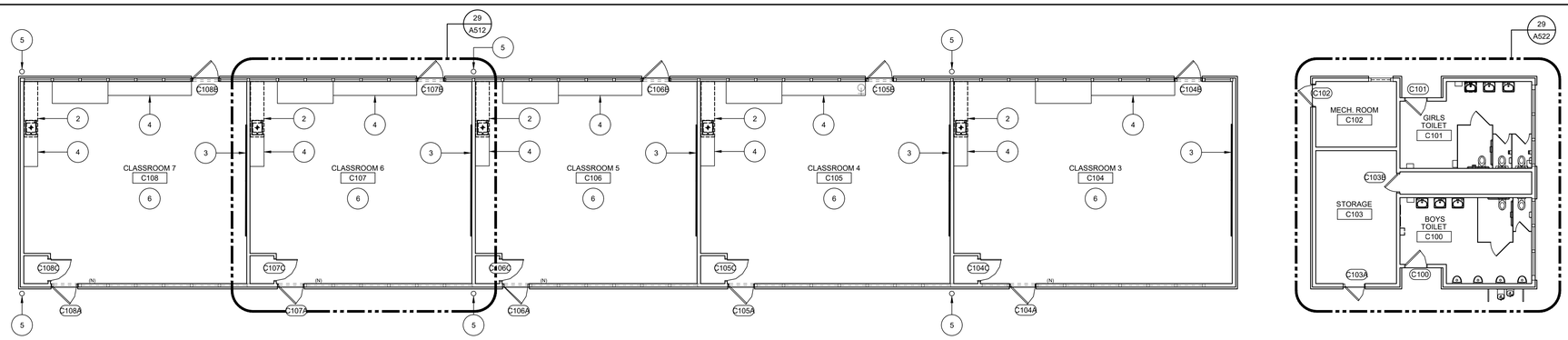
29 BUILDING D FLOOR PLAN - DEMOLITION

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



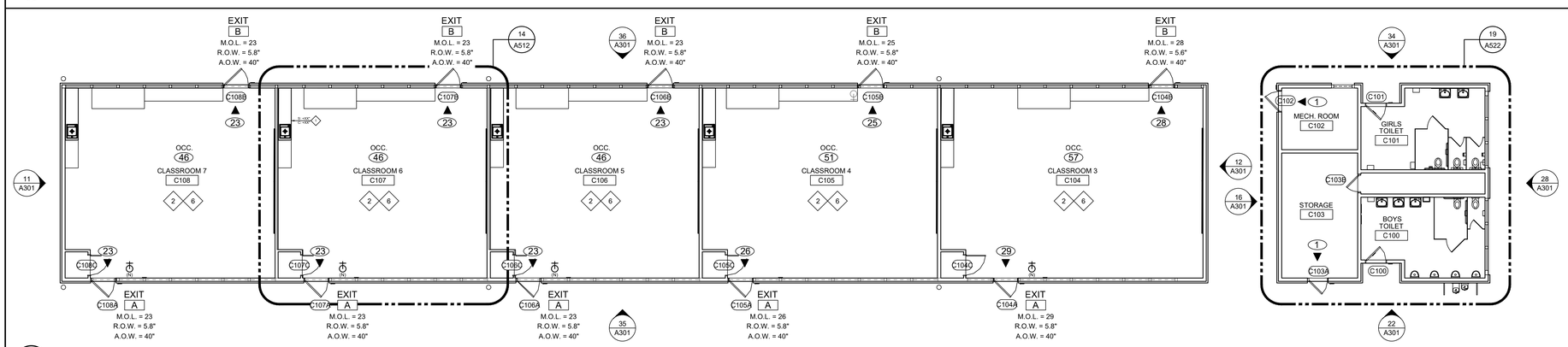
28 BUILDING D FLOOR PLAN - NEW WORK

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



27 BUILDING C FLOOR PLAN - DEMOLITION

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



26 BUILDING C FLOOR PLAN - NEW WORK

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

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. SEE FINISH PLAN A811 - A814 FOR PAINT COLORS AND ACCENT WALLS.
3. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
4. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
5. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEETS A521-A523.
6. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPAIR DAMAGED OR TORN CURTAINS AND RESEW FRAYED EDGES.
7. SEE A600 FOR DOOR SCOPE FOR BOTH INTERIOR AND EXTERIOR DOORS.

DEMOLITION KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. EXISTING SINK TO REMAIN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
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4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. REMOVE EXISTING DOWNSPOUT TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED.
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NEW WORK KEYNOTES:

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4. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
5. NEW DOOR THRESHOLD PER DETAIL 1/A630.
6. SEE TYPICAL ENLARGED CLASSROOM FLOOR PLANS & INTERIOR ELEVATIONS ON SHEETS A511 & A512 FOR ADDITIONAL INFORMATION.

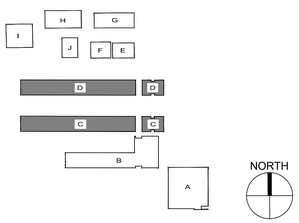
OCCUPANT LOAD CALCULATIONS

ROOM NO.	ROOM NAME	USE	FLOOR AREA (S.F.)	OCC. LOAD FACTOR	MAX. OCC.
BUILDING C - CLASSROOM					
C100	BOYS TOILET	RESTROOM	215	-	-
C101	GIRLS TOILET	RESTROOM	217	-	-
C102	MECHANICAL	ACCESSORY	109	300	1
C103	STORAGE	STORAGE	221	300	1
C104	CLASSROOM 3	CLASSROOM	912	20	46
C105	CLASSROOM 4	CLASSROOM	912	20	46
C106	CLASSROOM 5	CLASSROOM	912	20	46
C107	CLASSROOM 6	CLASSROOM	1,023	20	51
C108	CLASSROOM 7	CLASSROOM	1,144	20	57
				TOTAL	248
BUILDING D - CLASSROOM					
D100	GIRLS TOILET	RESTROOM	213	-	-
D101	BOYS TOILET	RESTROOM	211	-	-
D102	MECHANICAL	ACCESSORY	109	300	1
D103	PLANT MANAGER	BUSINESS	124	150	1
D104	WOMENS TOILET	RESTROOM	89	-	-
D105	CLASSROOM	CLASSROOM	1,144	20	57
D106	CLASSROOM	CLASSROOM	1,023	20	51
D107	CLASSROOM	CLASSROOM	912	20	46
D108	CLASSROOM	CLASSROOM	912	20	46
D109	CLASSROOM	CLASSROOM	912	20	46
				TOTAL	248

LEGEND:

- (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL WITH NEW SIGN.
- (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED AND NEW SIGN ABOVE. SEE SPEC SECTION 10 44 16.
- EXIT A — EXTERIOR EXIT OPENING
- OCC. — OCCUPANCY LOAD
- M.O.L. — MAXIMUM OCCUPANCY LOAD AT EXTERIOR EXIT
- R.O.W. — REQUIRED OPENING WIDTH (.2" x OCCUPANT LOAD OR 36" MIN.)
- A.O.W. — ACTUAL OPENING WIDTH PROVIDED
- ▲ — EXIT TO EXTERIOR
- # — NUMBER OF OCCUPANTS IN SUBJECT SPACE PER OCCUPANT LOAD CALCULATION

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL — DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

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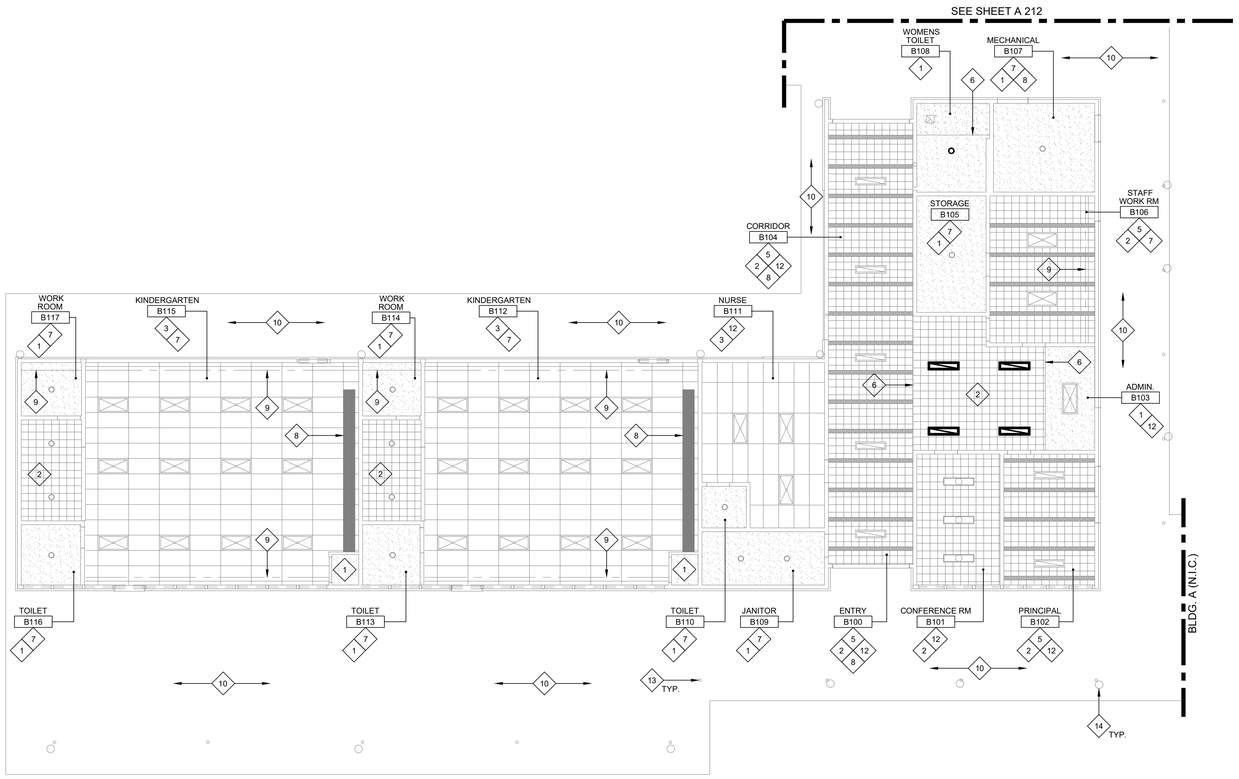
SHEET TITLE

FLOOR PLANS
BUILDINGS C & D

SHEET NO.

A112

INCREMENT NO. 1



NORTH

1 REFLECTED CEILING PLAN - BUILDING B

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

GENERAL NOTES:

NOTES FOR A211 AND A212.

1. NOT ALL CEILING ELEMENTS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE CEILING ELEMENTS SHOWN ON MECHANICAL, PLUMBING AND ELECTRICAL SHEETS WITH ELEMENTS SHOWN HERE.
2. COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING MOUNTED VENTS, GRILLES, A/V EQUIPMENT, SMOKE DETECTORS, WIRELESS ACCESS POINTS, ETC. TO PERFORM NEW WORK. REINSTALL IN ORIGINAL LOCATION UNLESS OTHERWISE NOTED.
3. PROTECT CEILING-MOUNTED LIGHT FIXTURES IN PLACE TO PERFORM NEW WORK. REPLACE ALL BROKEN/CRACKED LIGHT COVERS - INCLUDE PRICING FOR ONE NEW REPLACEMENT LENSES/LIGHT COVER PER ROOM. CLEAN ALL EXISTING LIGHT LENS COVERS PRIOR TO REINSTALLATION.
4. REPLACE DAMAGED AND STAINED CEILING TILES PRIOR TO PAINTING. QUANTITY IDENTIFIED IN NEW WORK KEYNOTES.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. WHERE CEILING IS TO BE PAINTED, REMOVE BROKEN AND DAMAGED CEILING TILES AND PATCH AND REPAIR DAMAGED AREAS IN HARD LID CEILINGS PRIOR TO PAINTING.
6. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM NEW WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPAIR DAMAGED OR TORN CURTAINS AND RESEW FRAYED EDGES.

NEW WORK KEYNOTES:

KEYNOTES FOR A211 AND A212. NOT ALL NOTES ARE USED ON THIS SHEET.

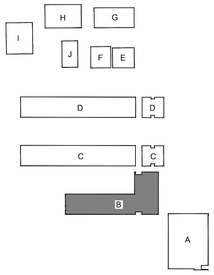
1. PRIME AND PAINT (E) GYPSUM CEILING/SOFFIT.
2. PRIME AND PAINT (E) 1'x1' APPLIED CEILING TILE. REPLACE BROKEN OR STAINED TILES TO BEST MATCH (E). INCLUDE PRICING FOR 20 NEW CEILING TILES PER ROOM.
3. REPLACE BROKEN OR STAINED 2'x4' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
4. PRIME AND PAINT (E) TONGUE AND GROOVE CEILING.
5. EXISTING PAINTED WOOD RAFTERS. PRIME AND PAINT ON ALL THREE EXPOSED SIDES.
6. PAINT VERTICAL FACES OF SOFFITS, SKYLIGHTS, AND CLEARSTORY WINDOWS AS PART OF CEILING PAINT SCOPE.
7. REPLACE BROKEN OR CRACKED LIGHT LENS COVERS.
8. PRIME AND PAINT EXISTING MECHANICAL DUCTS. PROTECT DUCTS FROM PAINT OVERSPRAY ENTERING DUCTS.
9. REMOVE CURTAINS TO PERFORM SCOPE AND REINSTALL. PROTECT CURTAIN TRACKS IN PLACE AND DO NOT PAINT TRACK.
10. PRIME AND PAINT UNDERSIDE OF EXISTING EXTERIOR PLASTER OVERHANGS. PROTECT EXTERIOR MOUNTED LIGHTS AND FIXTURES FROM PAINT OVERSPRAY. PRIME AND PAINT CONDUITS AT THESE OVERHANGS TO MATCH ADJACENT.
11. (N) FRAMING AND EXHAUST FAN. SEE STRUCTURAL & MECHANICAL.
12. REPLACE LIGHTING IN PLACE. SEE ELECTRICAL.
13. PRIME AND PAINT EXISTING EXTERIOR COLUMNS. PROTECT CONCRETE AND OTHER SURFACES FROM OVERSPRAY.
14. REMOVE EXISTING DOWNSPOUT TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED.

LEGEND:

LEGEND FOR A211 AND A212. NOT ALL ITEMS ARE USED ON THIS SHEET.

- (E) 2X4 TBAR CEILING TO BE PAINTED. REPLACE STAINED OR DAMAGED TILES.
- (E) 1X1 GLUE-ON ACOUSTIC TILES. REPLACE DAMAGED CEILING TILES PRIOR TO PAINTING.
- (E) HARD-LID CEILING. PATCH DAMAGED AREAS PRIOR TO PAINTING.
- (E) TONGUE AND GROOVE CEILING TO BE PAINTED. PATCH DAMAGED AREAS PRIOR TO PAINTING.
- (E) EXPOSED LAMINATED WOOD BEAMS. SIZES AND DEPTHS VARY AT ALL LOCATIONS, CONTRACTOR TO VERIFY SIZES PRIOR TO WORK. PRIME AND PAINT AT LOCATIONS WHERE BEAMS HAVE BEEN PAINTED PRIOR. CLEAN AND PROTECT IN PLACE AT AREAS THAT ARE NOT PAINTED PRIOR.
- (N) WOOD BEAMS. PRIME AND PAINT.
- (E) CEILING-MOUNTED LIGHTS. PROTECT EXISTING LIGHTS THROUGHOUT CONSTRUCTION.
- (N) CEILING-MOUNTED LIGHTS - SEE ELECTRICAL DRAWINGS FOR NEW AND RELOCATED LIGHTS.
- (E) MECHANICAL GRILLES, VENTS, REGISTERS. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (N) MECHANICAL GRILLES, VENTS, REGISTERS. SEE MECHANICAL DRAWINGS.
- (E) CEILING ACCESS DOOR TO REMAIN - REPAINT TO MATCH CEILING WHERE CEILING IS BEING PAINTED.

KEYPLAN:



AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

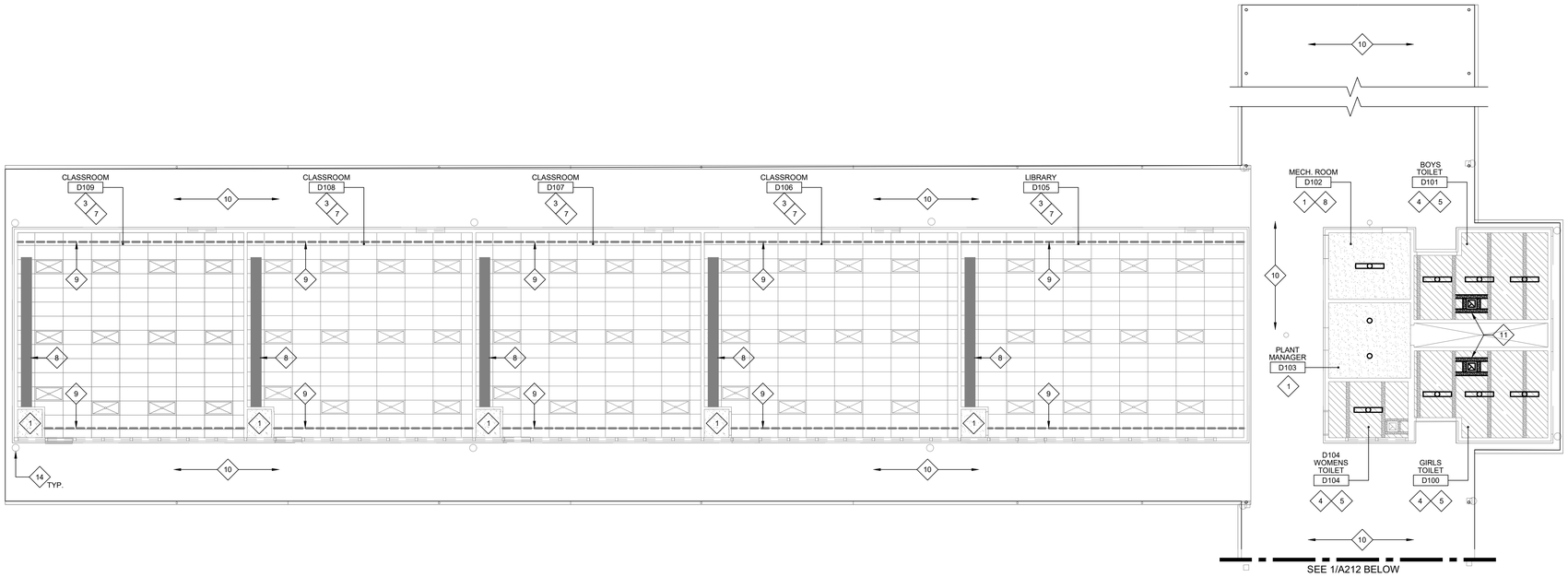
JOB NO.: Y2524.00

SHEET TITLE

REFLECTED CEILING PLAN BUILDING B

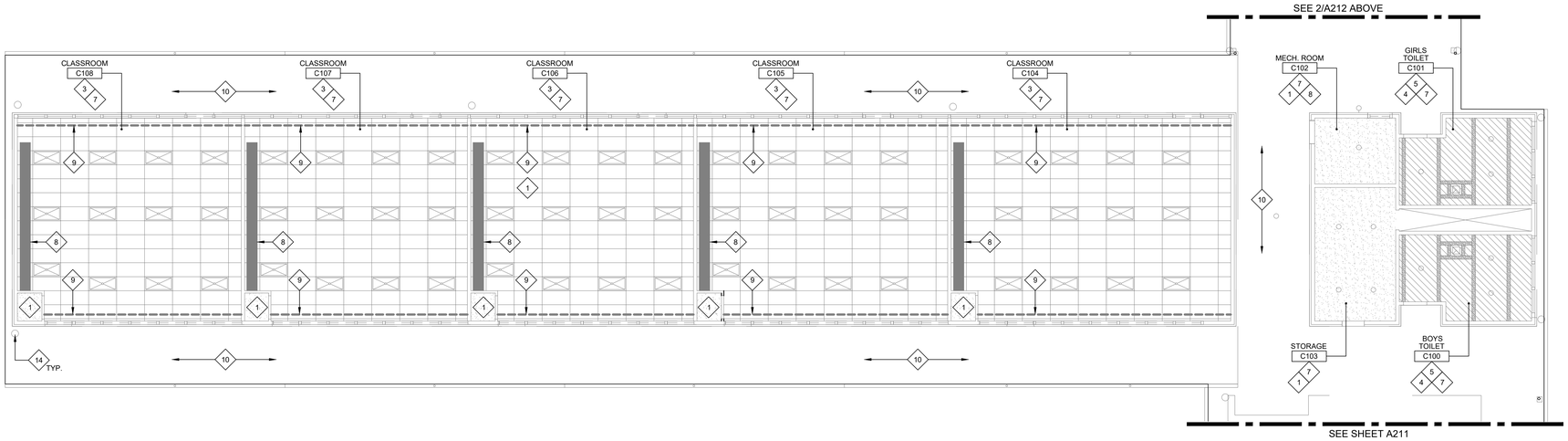
SHEET NO.

A211



2 REFLECTED CEILING PLAN - BUILDING D

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



NORTH

1 REFLECTED CEILING PLAN - BUILDING C

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

GENERAL NOTES:

NOTES FOR A211 AND A212.

1. NOT ALL CEILING ELEMENTS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE CEILING ELEMENTS SHOWN ON MECHANICAL, PLUMBING AND ELECTRICAL SHEETS WITH ELEMENTS SHOWN HERE.
2. COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING MOUNTED VENTS, GRILLES, A/V EQUIPMENT, SMOKE DETECTORS, WIRELESS ACCESS POINTS, ETC. TO PERFORM NEW WORK. REINSTALL IN ORIGINAL LOCATION UNLESS OTHERWISE NOTED.
3. PROTECT CEILING-MOUNTED LIGHT FIXTURES IN PLACE TO PERFORM NEW WORK. REPLACE ALL BROKEN/CRACKED LIGHT COVERS - INCLUDE PRICING FOR ONE NEW REPLACEMENT LENSES/LIGHT COVER PER ROOM. CLEAN ALL EXISTING LIGHT LENS COVERS PRIOR TO REINSTALLATION.
4. REPLACE DAMAGED AND STAINED CEILING TILES PRIOR TO PAINTING. QUANTITY IDENTIFIED IN NEW WORK KEYNOTES.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. WHERE CEILING IS TO BE PAINTED, REMOVE BROKEN AND DAMAGED CEILING TILES AND PATCH AND REPAIR DAMAGED AREAS IN HARD LID CEILINGS PRIOR TO PAINTING.
6. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM NEW WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPAIR DAMAGED OR TORN CURTAINS AND RESEW FRAYED EDGES.

NEW WORK KEYNOTES:

KEYNOTES FOR A211 AND A212. NOT ALL NOTES ARE USED ON THIS SHEET.

1. PRIME AND PAINT (E) GYPSUM CEILING/SOFFIT.
2. PRIME AND PAINT (E) 1'x1' APPLIED CEILING TILE. REPLACE BROKEN OR STAINED TILES TO BEST MATCH (E). INCLUDE PRICING FOR 20 NEW CEILING TILES PER ROOM.
3. REPLACE BROKEN OR STAINED 2'x4' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
4. PRIME AND PAINT (E) TONGUE AND GROOVE CEILING.
5. EXISTING PAINTED WOOD RAFTERS. PRIME AND PAINT ON ALL THREE EXPOSED SIDES.
6. PAINT VERTICAL FACES OF SOFFITS, SKYLIGHTS, AND CLEARSTORY WINDOWS AS PART OF CEILING PAINT SCOPE.
7. REPLACE BROKEN OR CRACKED LIGHT LENS COVERS.
8. PRIME AND PAINT EXISTING MECHANICAL DUCTS. PROTECT DUCTS FROM PAINT OVERSPRAY ENTERING DUCTS.
9. REMOVE CURTAINS TO PERFORM SCOPE AND REINSTALL. PROTECT CURTAIN TRACKS IN PLACE AND DO NOT PAINT TRACK.
10. PRIME AND PAINT UNDERSIDE OF EXISTING EXTERIOR PLASTER OVERHANGS. PROTECT EXTERIOR MOUNTED LIGHTS AND FIXTURES FROM PAINT OVERSPRAY. PRIME AND PAINT CONDUITS AT THESE OVERHANGS TO MATCH ADJACENT.
11. (N) FRAMING AND EXHAUST FAN. SEE STRUCTURAL & MECHANICAL.
12. REPLACE LIGHTING IN PLACE. SEE ELECTRICAL.
13. PRIME AND PAINT EXISTING EXTERIOR COLUMNS. PROTECT CONCRETE AND OTHER SURFACES FROM OVERSPRAY.
14. REMOVE EXISTING DOWNSPOUT TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED.

LEGEND:

LEGEND FOR A211 AND A212. NOT ALL ITEMS ARE USED ON THIS SHEET.

- (E) 2X4 TBAR CEILING TO BE PAINTED. REPLACE STAINED OR DAMAGED TILES.
- (E) 1X1 GLUE-ON ACOUSTIC TILES. REPLACE DAMAGED CEILING TILES PRIOR TO PAINTING.
- (E) HARD-LID CEILING. PATCH DAMAGED AREAS PRIOR TO PAINTING.
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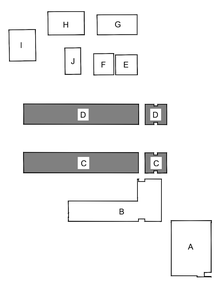
- (E) EXPOSED LAMINATED WOOD BEAMS. SIZES AND DEPTHS VARY AT ALL LOCATIONS. CONTRACTOR TO VERIFY SIZES PRIOR TO WORK. PRIME AND PAINT AT LOCATIONS WHERE BEAMS HAVE BEEN PAINTED PRIOR. CLEAN AND PROTECT IN PLACE AT AREAS THAT ARE NOT PAINTED PRIOR.
- (N) WOOD BEAMS. PRIME AND PAINT.
- (E) CEILING-MOUNTED LIGHTS. PROTECT EXISTING LIGHTS THROUGHOUT CONSTRUCTION.
- (N) CEILING-MOUNTED LIGHTS - SEE ELECTRICAL DRAWINGS FOR NEW AND RELOCATED LIGHTS.
- (E) MECHANICAL GRILLES, VENTS, REGISTERS. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (N) MECHANICAL GRILLES, VENTS, REGISTERS. SEE MECHANICAL DRAWINGS.
- (E) CEILING ACCESS DOOR TO REMAIN - REPAINT TO MATCH CEILING WHERE CEILING IS BEING PAINTED.

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

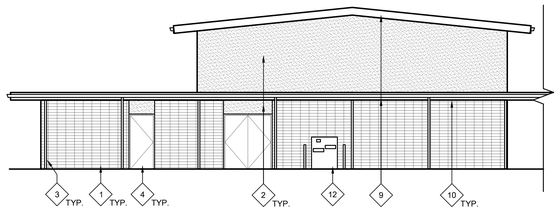
JOB NO.: Y2524.00

SHEET TITLE

REFLECTED CEILING PLANS BUILDINGS C & D

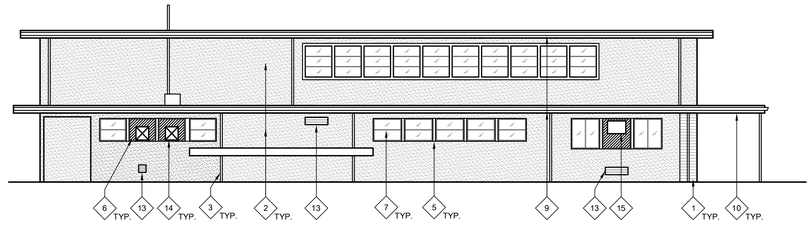
SHEET NO.

A212



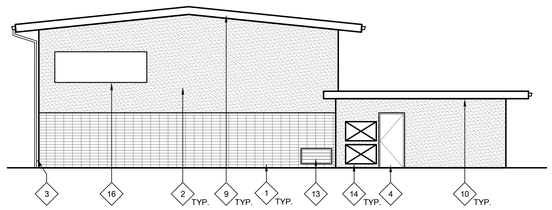
30 BUILDING A - NORTH ELEVATION

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



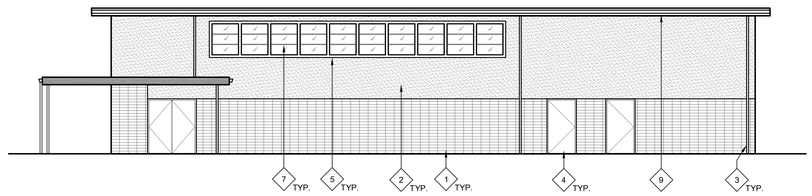
20 BUILDING A - EAST ELEVATION

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



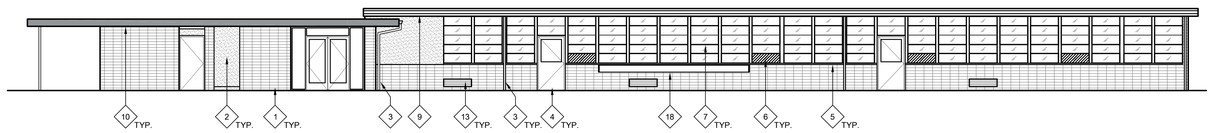
29 BUILDING A - SOUTH ELEVATION

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



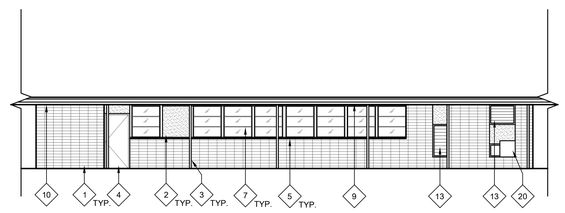
19 BUILDING A - WEST ELEVATION

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



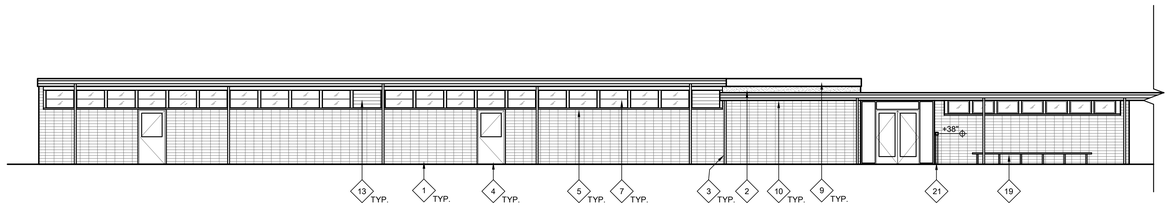
28 BUILDING B - NORTH ELEVATION

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



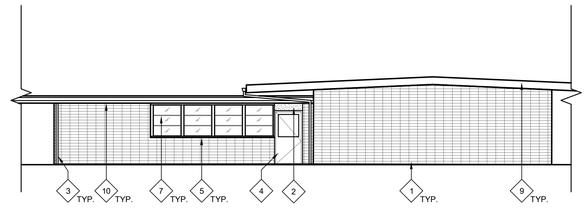
8 BUILDING B - EAST ELEVATION

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



27 BUILDING B - SOUTH ELEVATION

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



7 BUILDING B - WEST ELEVATION

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

GENERAL NOTES:

THESE GENERAL NOTES APPLY TO A300 AND A301.

1. THOROUGHLY POWER WASH AND CLEAN ALL SURFACES RECEIVING NEW PAINT. PRIME AND PREPARE ALL SURFACES, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE. SCRAPE AND SAND LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. CONTRACTOR TO PROVIDE (1) BODY COLOR, (1) METAL FASCIA COLOR, (1) DOOR COLOR, AND (8-10) ACCENT, TRIM, RAILING, CMU BLOCK, METAL ACCENTS, AND CANOPY COLORS. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE LEGEND FOR COLORS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL (E) PAINTED EXTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFO):
   - WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   - WALL AND DOOR LOUVERS
   - FASCIAS, GUTTERS, AND DOWNSPOUTS
   - CAP & EDGE FLASHINGS
   - CANOPIES INCLUDING UNDERSIDES
   - EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   - WINDOW FRAMES
   - INTERIOR & EXTERIOR SURFACES OF EXTERIOR DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - ORNAMENTAL IRON FENCING AND GATES (IF NOT NEW SYSTEM)
   - RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED AND CEILING MOUNTED CONDUIT AND PIPING
3. DO NOT PAINT MISCELLANEOUS OUT-BUILDINGS, "TUFF SHEDS", STEEL "CONEX" STORAGE CONTAINERS OR OTHER STORAGE BUILDINGS U.O.N.
4. THOROUGHLY POWER WASH AND CLEAN ALL BRICK SURFACES. DO NOT PAINT EXISTING BRICK. PROTECT IN PLACE DURING CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
6. PRIME AND PAINT ALL CONDUIT AND MOUNTING STRAPS TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE METAL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING. AT GAS LINES, PRIME AND PAINT SAFETY BAND AT CORNERS AND INTERSECTIONS.
7. REMOVE ALL EXTERIOR EXPANDED WIRE MESH SECURITY SCREENS IN ORDER TO PERFORM PAINTING SCOPE. THOROUGHLY CLEAN AND REINSTALL.
8. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N. INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC.. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
9. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.
10. STRUCTURAL FASCIA AT CORNER AREAS SHALL BE SUBMITTED TO DSA VIA CCD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH REPAIR WORKS
11. REPAINT 4" WIDE DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

NEW WORK KEYNOTES:

KEYNOTES FOR A300 AND A301.

1. EXISTING BRICK TO REMAIN. POWER WASH/THOROUGHLY CLEAN AND PROTECT IN PLACE DURING CONSTRUCTION.
2. PRIME AND PAINT EXISTING PLASTER WALLS, TYPICAL.
3. PRIME AND PAINT METAL COLUMNS (WHERE OCCURS). REMOVE ALL DOWNSPOUTS, ATTACHED SCUPPER BOXES, AND MOUNTING STRAPS (WHERE APPLICABLE) FOR PRIME AND PAINTING. REINSTALL WHEN PAINTING HAS BEEN COMPLETED.
4. PRIME AND PAINT DOOR AND DOOR FRAME AND INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REPLACE WEATHER STRIPPING AT ALL DOORS. SEE DOOR SCHEDULE FOR DOORS REQUIRING NEW BACKER ROD AND CAULKING.
5. PRIME AND PAINT BUILDING TRIM AND WINDOW FRAMES. PATCH OR REPLACE ALL DAMAGED OR ROTTED OUT WOODEN TRIM PRIOR TO PAINTING.
6. PRIME AND PAINT EXISTING INFILL PANELS.
7. CLEAN EXISTING ALUMINUM WINDOW FRAMES. DO NOT PAINT.
8. REMOVE EXISTING EXPANDED WIRE MESH AT WINDOWS. CLEAN EACH ONE THOROUGHLY, CLEAN ALUMINUM WINDOW FRAMES, AND REINSTALL MESH.
9. EXISTING WOOD FASCIA. PRIME AND PAINT.
10. PRIME AND PAINT UNDERSIDE OF CANOPY OVERHANG.
11. EXISTING DRINKING FOUNTAIN AND GUARDRAILS. DO NOT PAINT. PROTECT IN PLACE.
12. NEW HI-LOW DRINKING FOUNTAIN, GUARDRAILS, AND BOTTLE FILLER WHERE APPLICABLE. SEE 11/A640 FOR MOUNTING HEIGHT AND 16/A610 FOR WALL ATTACHMENT.
13. EXISTING WALL-MOUNTED LOUVER. PRIME AND PAINT.
14. EXISTING MECHANICAL DUCT. PRIME AND PAINT.
15. EXISTING HVAC UNIT - DO NOT PAINT.
16. MASK AND PROTECT WALL MOUNTED SIGNAGE PRIOR TO CLEANING AND PAINTING.
17. REMOVE WALL MOUNTED SIGNAGE AND BULLETIN BOARDS PRIOR TO CLEANING AND PAINTING. REINSTALL IN SAME LOCATION.
18. PAINT WALL HUNG BACKPACK STORAGE UNIT.
19. PAINT EXISTING FIXED BENCH.
20. EXISTING METAL BOX. PRIME AND PAINT.
21. POST MOUNTED VIDEO INTERCOM. SEE SHEET T200.

LEGEND:

LEGEND ITEMS USED ON A300 AND A301.

- EXISTING PLASTER WALL FINISH - PRIME AND PAINT
- EXISTING BRICK WALL TO BE CLEANED
- EXISTING COMPOSITE INFILL PANELS - PRIME AND PAINT

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

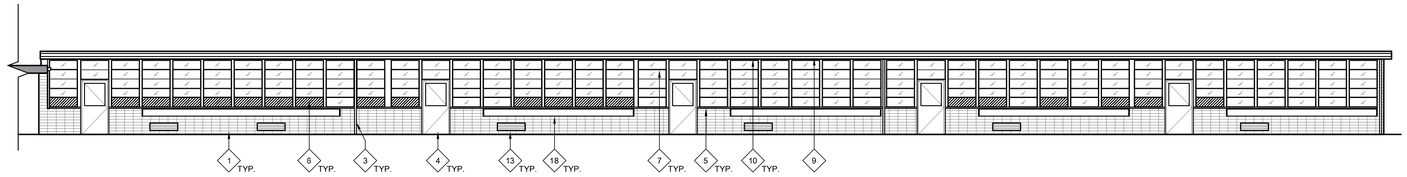
JOB NO.: Y2524.00

SHEET TITLE

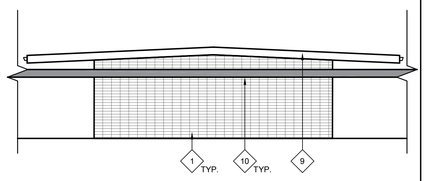
EXTERIOR ELEVATIONS BUILDINGS A & B

SHEET NO.

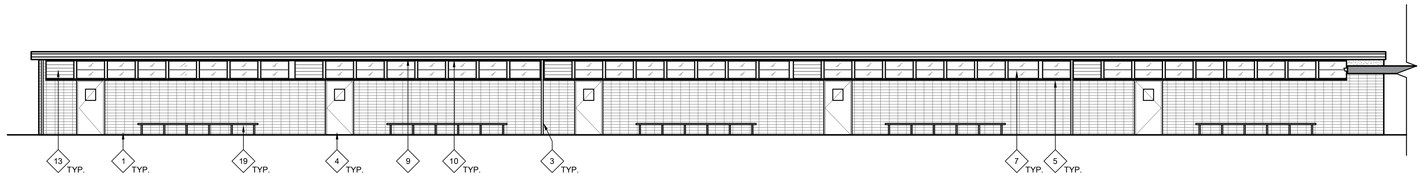
A300



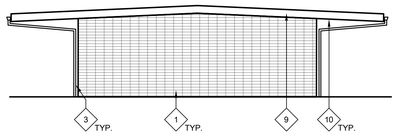
36 BUILDING C - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



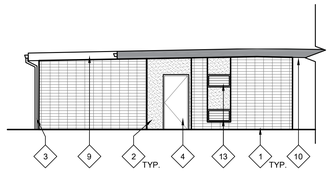
12 BUILDING C - EAST ELEVATION
SCALE: 1/8" = 1'-0"



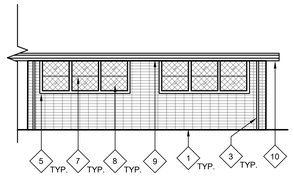
35 BUILDING C - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



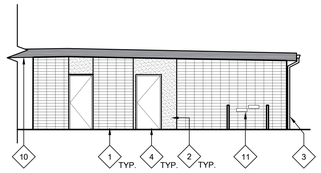
11 BUILDING C - WEST ELEVATION
SCALE: 1/8" = 1'-0"



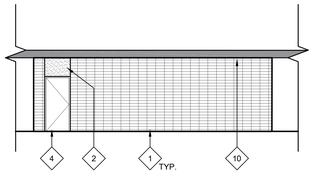
34 BUILDING C - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



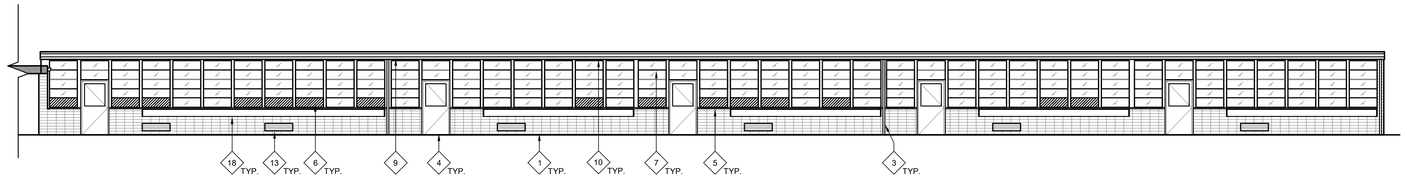
28 BUILDING C - EAST ELEVATION
SCALE: 1/8" = 1'-0"



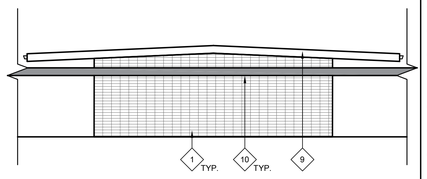
22 BUILDING C - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



16 BUILDING C - WEST ELEVATION
SCALE: 1/8" = 1'-0"



33 BUILDING D - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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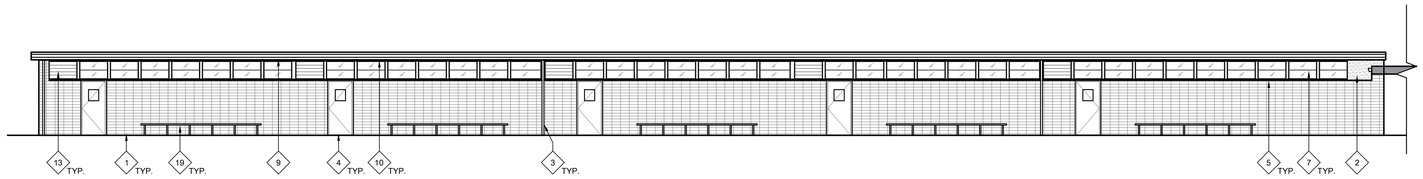
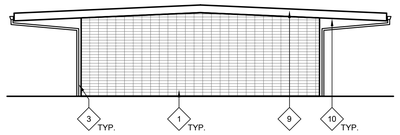
SCALE: 1/8" = 1'-0"



32 BUILDING D - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



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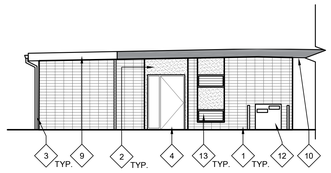
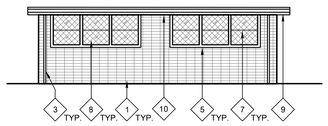
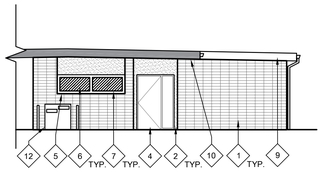
SCALE: 1/8" = 1'-0"



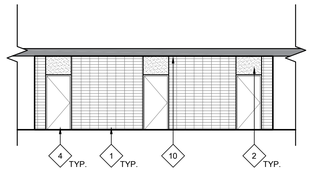
31 BUILDING D - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



25 BUILDING D - EAST ELEVATION
SCALE: 1/8" = 1'-0"



19 BUILDING D - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



13 BUILDING D - WEST ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE GENERAL NOTES APPLY TO A300 AND A301.

1. THOROUGHLY POWER WASH AND CLEAN ALL SURFACES RECEIVING NEW PAINT. PRIME AND PREPARE ALL SURFACES, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE. SCRAPE AND SAND LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. CONTRACTOR TO PROVIDE (1) BODY COLOR, (1) METAL FASCIA COLOR, (1) DOOR COLOR, AND (8-10) ACCENT, TRIM, RAILING, CMU BLOCK, METAL ACCENTS, AND CANOPY COLORS. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE LEGEND FOR COLORS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL (E) PAINTED EXTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFO):
   - WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   - WALL AND DOOR LOUVERS
   - FASCIAS, GUTTERS, AND DOWNSPOUTS
   - CAP & EDGE FLASHINGS
   - CANOPIES INCLUDING UNDERSIDES
   - EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   - WINDOW FRAMES
   - INTERIOR & EXTERIOR SURFACES OF EXTERIOR DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - ORNAMENTAL IRON FENCING AND GATES (IF NOT NEW SYSTEM)
   - RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED AND CEILING MOUNTED CONDUIT AND PIPING
3. DO NOT PAINT MISCELLANEOUS OUT-BUILDINGS, "TUFF SHEDS", STEEL "CONEX" STORAGE CONTAINERS OR OTHER STORAGE BUILDINGS U.O.N.
4. THOROUGHLY POWER WASH AND CLEAN ALL BRICK SURFACES. DO NOT PAINT EXISTING BRICK. PROTECT IN PLACE DURING CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
6. PRIME AND PAINT ALL CONDUIT AND MOUNTING STRAPS TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE METAL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING. AT GAS LINES, PRIME AND PAINT SAFETY BAND AT CORNERS AND INTERSECTIONS.
7. REMOVE ALL EXTERIOR EXPANDED WIRE MESH SECURITY SCREENS IN ORDER TO PERFORM PAINTING SCOPE. THOROUGHLY CLEAN AND REINSTALL.
8. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N. INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC.. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
9. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.
10. STRUCTURAL FASCIA AT CORNER AREAS SHALL BE SUBMITTED TO DSA VIA CCD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH REPAIR WORKS
11. REPAINT 4" WIDE DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

NEW WORK KEYNOTES:

KEYNOTES FOR A300 AND A301.

1. EXISTING BRICK TO REMAIN. POWER WASH/THOROUGHLY CLEAN AND PROTECT IN PLACE DURING CONSTRUCTION.
2. PRIME AND PAINT EXISTING PLASTER WALLS, TYPICAL.
3. PRIME AND PAINT METAL COLUMNS (WHERE OCCURS). REMOVE ALL DOWNSPOUTS, ATTACHED SCUPPER BOXES, AND MOUNTING STRAPS (WHERE APPLICABLE) FOR PRIME AND PAINTING. REINSTALL WHEN PAINTING HAS BEEN COMPLETED.
4. PRIME AND PAINT DOOR AND DOOR FRAME AND INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REPLACE WEATHER STRIPPING AT ALL DOORS. SEE DOOR SCHEDULE FOR DOORS REQUIRING NEW BACKER ROD AND CAULKING.
5. PRIME AND PAINT BUILDING TRIM AND WINDOW FRAMES. PATCH OR REPLACE ALL DAMAGED OR ROTTED OUT WOODEN TRIM PRIOR TO PAINTING.
6. PRIME AND PAINT EXISTING INFILL PANELS.
7. CLEAN EXISTING ALUMINUM WINDOW FRAMES. DO NOT PAINT.
8. REMOVE EXISTING EXPANDED WIRE MESH AT WINDOWS. CLEAN EACH ONE THOROUGHLY, CLEAN ALUMINUM WINDOW FRAMES, AND REINSTALL MESH.
9. EXISTING WOOD FASCIA. PRIME AND PAINT.
10. PRIME AND PAINT UNDERSIDE OF CANOPY OVERHANG.
11. EXISTING DRINKING FOUNTAIN AND GUARDRAILS. DO NOT PAINT. PROTECT IN PLACE.
12. NEW HI-LOW DRINKING FOUNTAIN, GUARDRAILS, AND BOTTLE FILLER WHERE APPLICABLE. SEE 11/A640 FOR MOUNTING HEIGHT AND 16/A610 FOR WALL ATTACHMENT.
13. EXISTING WALL-MOUNTED LOUVER. PRIME AND PAINT.
14. EXISTING MECHANICAL DUCT. PRIME AND PAINT.
15. EXISTING HVAC UNIT - DO NOT PAINT.
16. MASK AND PROTECT WALL MOUNTED SIGNAGE PRIOR TO CLEANING AND PAINTING.
17. REMOVE WALL MOUNTED SIGNAGE AND BULLETIN BOARDS PRIOR TO CLEANING AND PAINTING. REINSTALL IN SAME LOCATION.
18. PAINT WALL HUNG BACKPACK STORAGE UNIT.
19. PAINT EXISTING FIXED BENCH.
20. EXISTING METAL BOX. PRIME AND PAINT.
21. POST MOUNTED VIDEO INTERCOM. SEE SHEET T200.

LEGEND:

LEGEND ITEMS USED ON A300 AND A301.

- EXISTING PLASTER WALL FINISH - PRIME AND PAINT
- EXISTING BRICK WALL TO BE CLEANED
- EXISTING COMPOSITE INFILL PANELS - PRIME AND PAINT

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

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REVISIONS

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DATE: 12/12/2025

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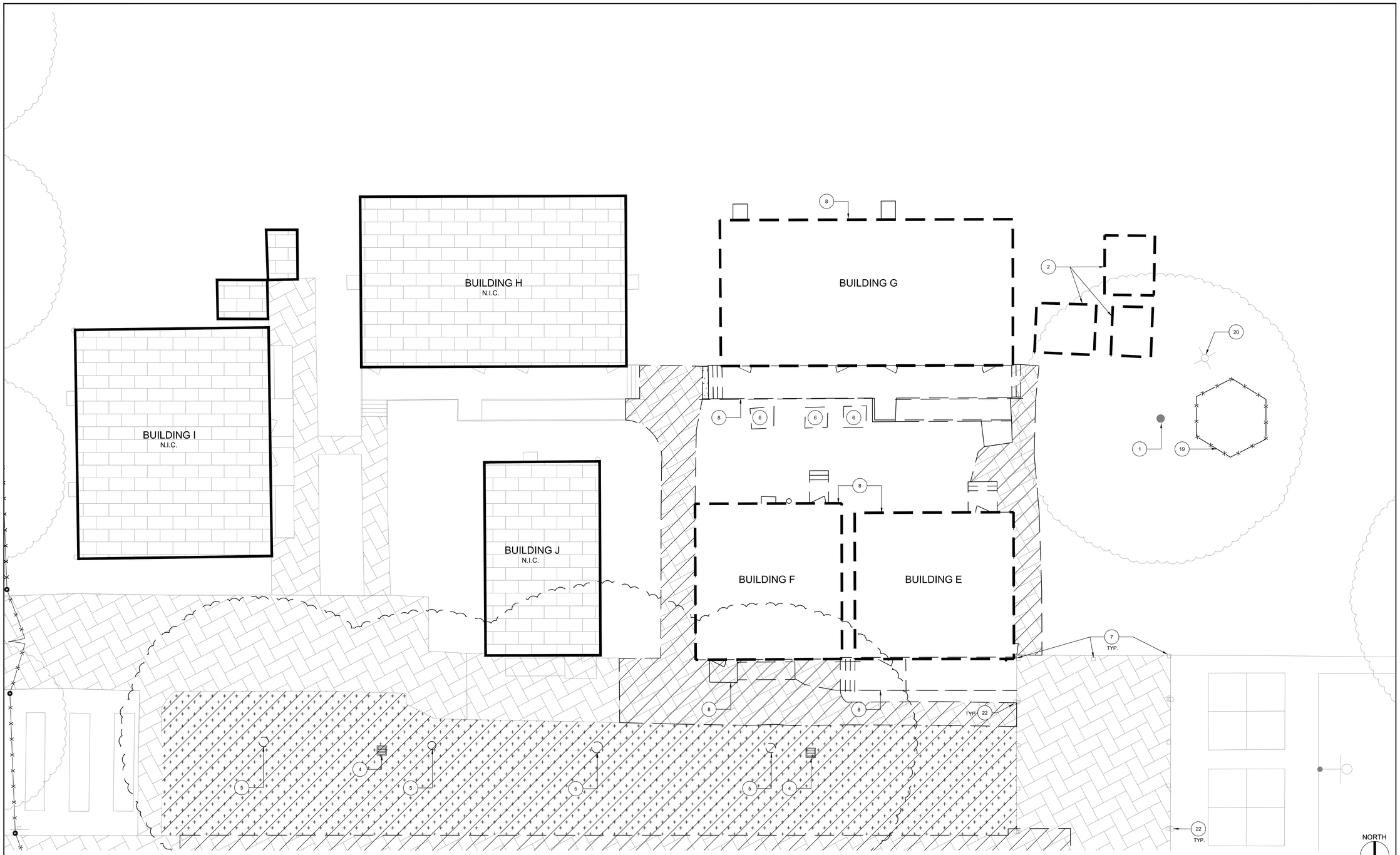
SHEET TITLE

EXTERIOR ELEVATIONS BUILDINGS C & D

SHEET NO.

A301

INCREMENT NO. 1



27 ENLARGED SITE PLAN - DEMOLITION

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

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
5. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
6. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

DEMOLITION KEYNOTES:

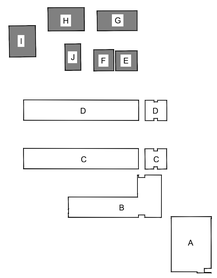
NOTES USED ON THIS SHEET ONLY.

1. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
2. REMOVE AND SALVAGE EXISTING SHEDS. DEMOLISH REMAINING FOUNDATIONS WHERE OCCURS.
3. DEMO EXISTING FENCING, POSTS AND GATES.
4. DEMO EXISTING DROP INLET. SEE CIVIL DRAWINGS.
5. DEMO EXISTING TREE AND ROOT BALL. SEE LANDSCAPE DRAWINGS.
6. DEMO EXISTING PLANTER BOXES.
7. EXISTING COLUMN AND FOOTING TO REMAIN. PROTECT IN PLACE.
8. DEMO EXISTING PORTABLE BUILDING INCLUDING WOOD CRIB FOUNDATION, RAMPS, STAIRS, AND SKIRTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL OR AS SHOWN ELSEWHERE IN THIS SET.
9. DEMO EXISTING ACCESSIBLE HI-LOW DRINKING FOUNTAIN AND GUIDE RAILS.
10. EXISTING FIRE HYDRANT.
11. 20'-0" WIDE FIRE LANE EXCEPT AS NOTED.
12. REMOVE (E) TURF AND SOIL AS REQUIRED BY CIVIL DRAWINGS AND MODULAR BUILDING MANUFACTURER.
13. LOCATION OF EXCAVATION FOR BUILDING PAD. PAD AND BUILDING ARE PART OF INCREMENT 2.
14. EXISTING IRRIGATION CONTROLLER/VALVES. SEE LANDSCAPE DRAWINGS FOR RELOCATION INFORMATION.
15. DEMO EXISTING SIGN AND FOOTING. SEE CIVIL DRAWINGS.
16. DEMO EXISTING CONCRETE CURB. SEE CIVIL DRAWINGS.
17. REMOVE AND SALVAGE EXISTING MARQUIS SIGN FOR REINSTALLATION. SEE LANDSCAPE DRAWINGS.
18. DEMO EXISTING FLAG POLE AND FOOTING.
19. REMOVE AND SALVAGE EXISTING FENCED PLAY ENCLOSURE.
20. EXISTING LIGHT STANDARD TO REMAIN. PROTECT IN PLACE.
21. DEMO EXISTING CONDENSATE DRAIN AND LINE. SEE CIVIL DWG.
22. REMOVE AND SALVAGE EXISTING DOWNSPOUT.
23. EXISTING SHED TO REMAIN. PROTECT IN PLACE,

LEGEND:

- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
- EXISTING AC PAVING TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING AREA TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- EXISTING TURF TO REMAIN. PROTECT IN PLACE.
- EXISTING TURF TO TO REMOVED. SEE LANDSCAPE DRAWINGS.

KEYPLAN:



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DATE: 12/12/2025

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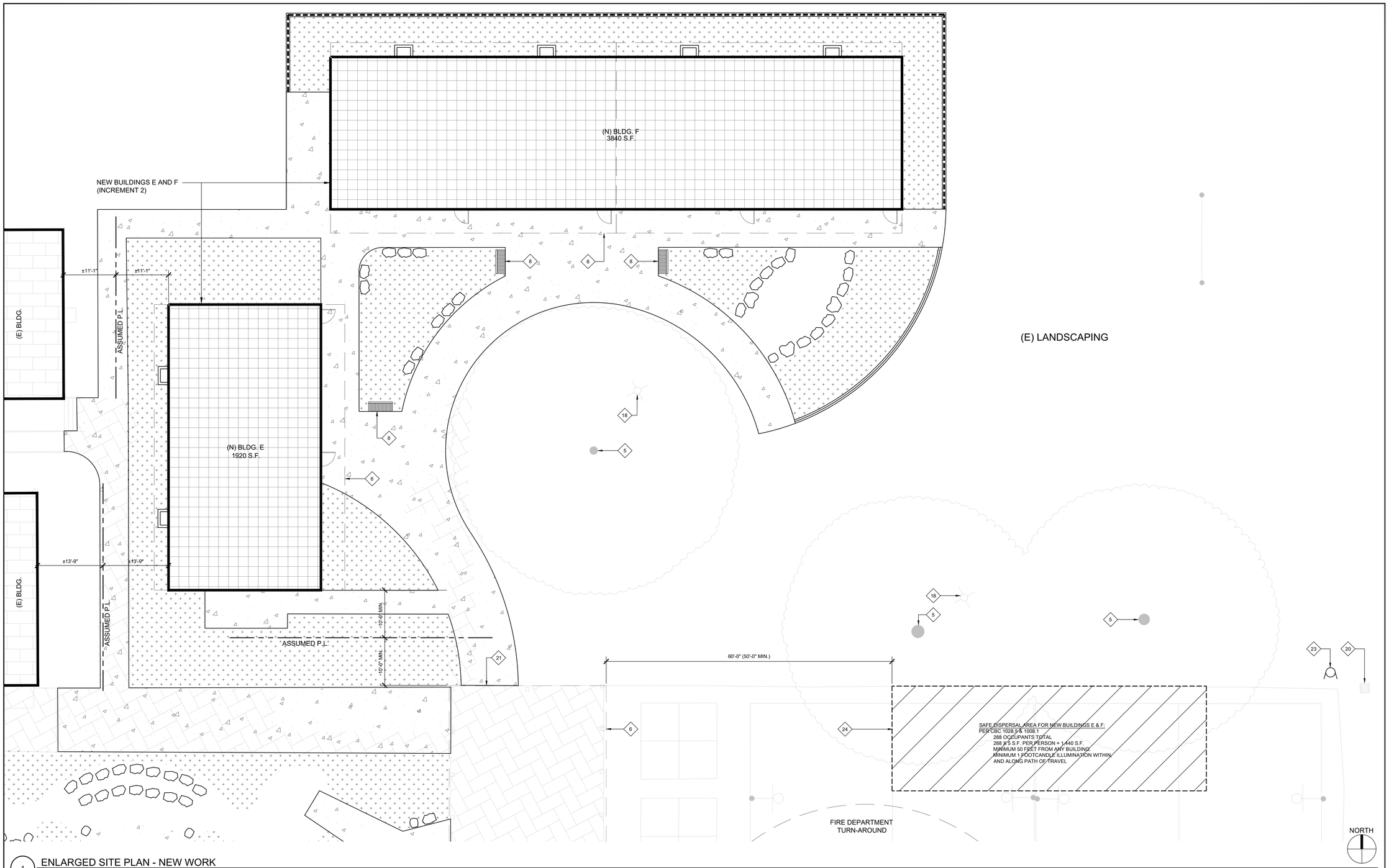
SHEET TITLE

ENLARGED SITE PLAN - DEMOLITION

SHEET NO.

A500D



1 ENLARGED SITE PLAN - NEW WORK

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

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

ALTERATION KEYNOTES:

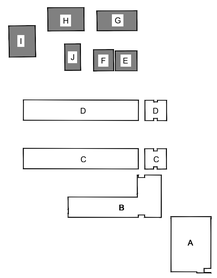
NOT ALL KEYNOTES USED.

1. 7'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST. SEE DETAILS ON C8.2.
1A. 8'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST WITH DECORATIVE METAL PANELS. SEE DETAILS ON C8.2, A610 AND SPEC. SECTIONS 05 70 00 AND 32 31 19.
2. WALL MOUNT ACCESSIBLE DRINKING FOUNTAIN WITH GUIDE RAILS. SEE PLUMBING DRAWINGS FOR DRINKING FOUNTAIN INFO AND 21/A610 FOR GUIDE RAILS AND DRINKING FOUNTAIN DETAIL.
3. EXISTING FLOWER BEDS TO REMAIN.
4. EXISTING SHED TO REMAIN - PROTECT IN PLACE.
5. EXISTING TREE TO REMAIN - PROTECT IN PLACE. SEE LANDSCAPE DWG.
6. PAINT AND REINSTALL EXISTING SALVAGED DOWNSPOUT.
7. FLAGPOLE. SEE DETAIL 14/A610 AND SPEC. SECTION 10 75 16.
8. CONCRETE MOW STRIP. SEE CIVIL DWG.
9. PAINTED STRIPING. SEE CIVIL DRAWINGS.
10. REINSTALL PREVIOUSLY SALVAGED MARQUIS SIGN.
11. ADA ACCESSIBLE CURB RAMP. SEE CIVIL DRAWINGS.
12. STANDARD ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST. SEE CIVIL DWG.
13. VAN ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST. SEE CIVIL DWG.
14. ADA ACCESSIBLE DROP OFF. SEE CIVIL DRAWINGS.
15. (E) GOAL POST TO REMAIN - PROTECT IN PLACE.
16. STEEL GUIDE RAIL. SEE DETAIL 21/A610.
17. OUTDOOR SEATING. SEE LANDSCAPE DRAWINGS.
18. EXISTING LIGHT STANDARD TO REMAIN. PROTECT IN PLACE.
19. EXISTING PARKING SIGN TO REMAIN. PROTECT IN PLACE.
20. EXISTING DRAIN TO REMAIN - PROTECT IN PLACE. SEE CIVIL DWG.
21. FLUSH CONCRETE WITH EXISTING, TYP.
22. EXISTING WALL MOUNTED ACCESSIBLE DRINKING FOUNTAIN WITH GUARDRAILS. PROTECT IN PLACE.
23. FIRE HYDRANT. SEE CIVIL DWG.
24. ACCESSIBLE PARKING TOW AWAY SIGN. SEE CIVIL DWG.

LEGEND:

- GXX — GATE TAG. SEE SHEET A610 FOR GATE SCHEDULE.
- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
- LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS.
- AC PAVING. SEE CIVIL DRAWINGS.
- CONCRETE PAVING. SEE CIVIL DRAWINGS.
- SEATING BOULDER. SEE LANDSCAPE DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- BUILDINGS (INCREMENT 2)

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

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CONSULTANT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

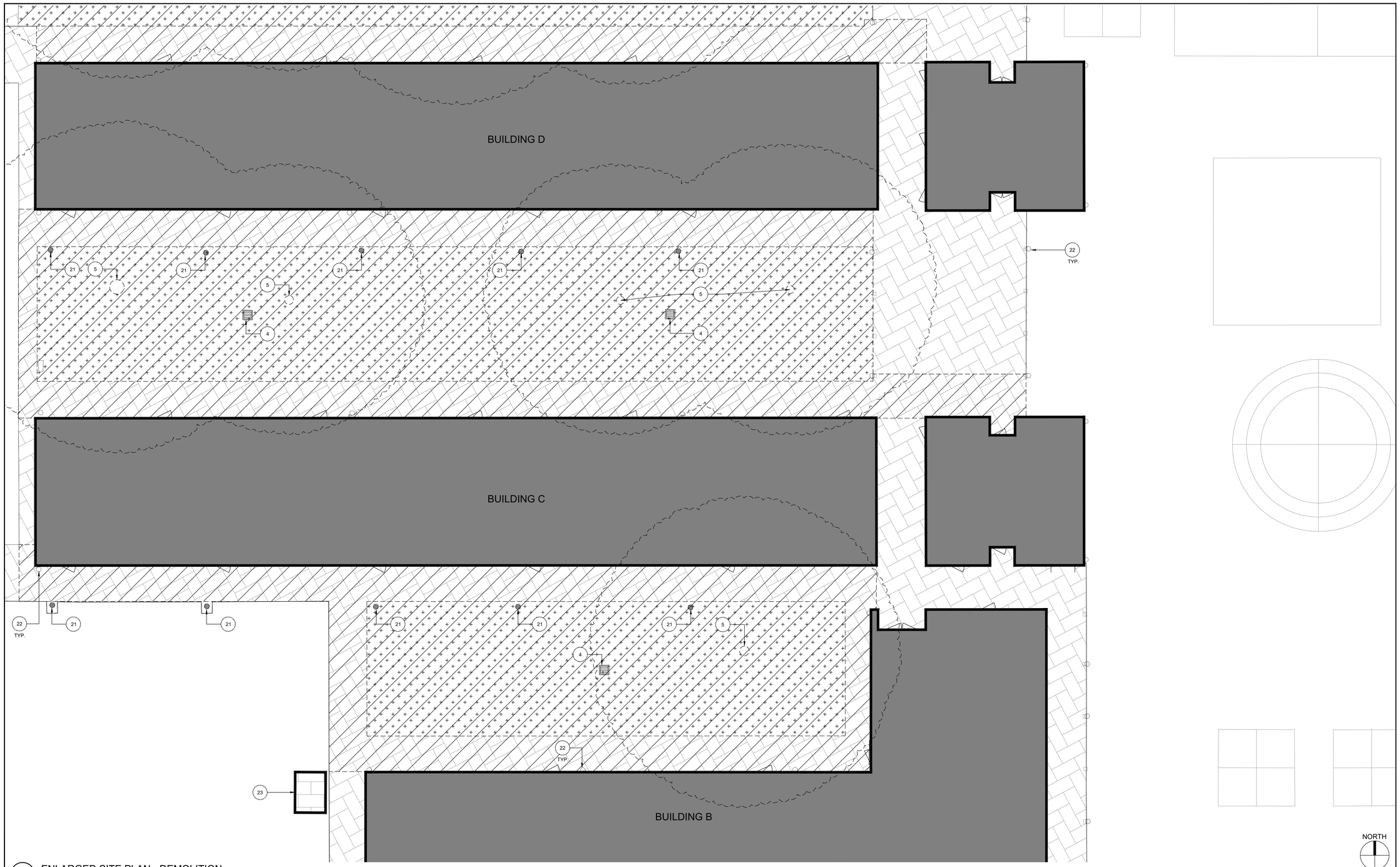
SHEET TITLE

ENLARGED SITE PLAN - NEW WORK

SHEET NO.

A500

INCREMENT NO. 1



27 ENLARGED SITE PLAN - DEMOLITION

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

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
5. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
6. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

DEMOLITION KEYNOTES:

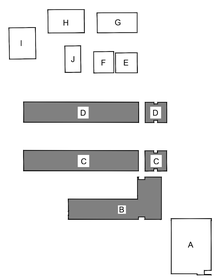
NOTES USED ON THIS SHEET ONLY.

1. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
2. REMOVE AND SALVAGE EXISTING SHEDS. DEMOLISH REMAINING FOUNDATIONS WHERE OCCURS.
3. DEMO EXISTING FENCING, POSTS AND GATES.
4. DEMO EXISTING DROP INLET. SEE CIVIL DRAWINGS.
5. DEMO EXISTING TREE AND ROOT BALL. SEE LANDSCAPE DRAWINGS.
6. DEMO EXISTING PLANTER BOXES.
7. EXISTING COLUMN AND FOOTING TO REMAIN. PROTECT IN PLACE.
8. DEMO EXISTING PORTABLE BUILDING INCLUDING WOOD CRIB FOUNDATION, RAMPS, STAIRS, AND SKIRTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL OR AS SHOWN ELSEWHERE IN THIS SET.
9. DEMO EXISTING ACCESSIBLE HI-LOW DRINKING FOUNTAIN AND GUIDE RAILS.
10. EXISTING FIRE HYDRANT.
11. 20'-0" WIDE FIRE LANE EXCEPT AS NOTED.
12. REMOVE (E) TURF AND SOIL AS REQUIRED BY CIVIL DRAWINGS AND MODULAR BUILDING MANUFACTURER.
13. LOCATION OF EXCAVATION FOR BUILDING PAD. PAD AND BUILDING ARE PART OF INCREMENT 2.
14. EXISTING IRRIGATION CONTROLLER/VALVES. SEE LANDSCAPE DRAWINGS FOR RELOCATION INFORMATION.
15. DEMO EXISTING SIGN AND FOOTING. SEE CIVIL DRAWINGS.
16. DEMO EXISTING CONCRETE CURB. SEE CIVIL DRAWINGS.
17. REMOVE AND SALVAGE EXISTING MARQUIS SIGN FOR REINSTALLATION. SEE LANDSCAPE DRAWINGS.
18. DEMO EXISTING FLAG POLE AND FOOTING.
19. REMOVE AND SALVAGE EXISTING FENCED PLAY ENCLOSURE.
20. EXISTING LIGHT STANDARD TO REMAIN. PROTECT IN PLACE.
21. DEMO EXISTING CONDENSATE DRAIN AND LINE. SEE CIVIL DWG.
22. REMOVE AND SALVAGE EXISTING DOWNSPOUT.
23. EXISTING SHED TO REMAIN. PROTECT IN PLACE,

LEGEND:

- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
- EXISTING AC PAVING TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING AREA TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- EXISTING TURF TO REMAIN. PROTECT IN PLACE.
- EXISTING TURF TO TO REMOVED. SEE LANDSCAPE DRAWINGS.

KEYPLAN:



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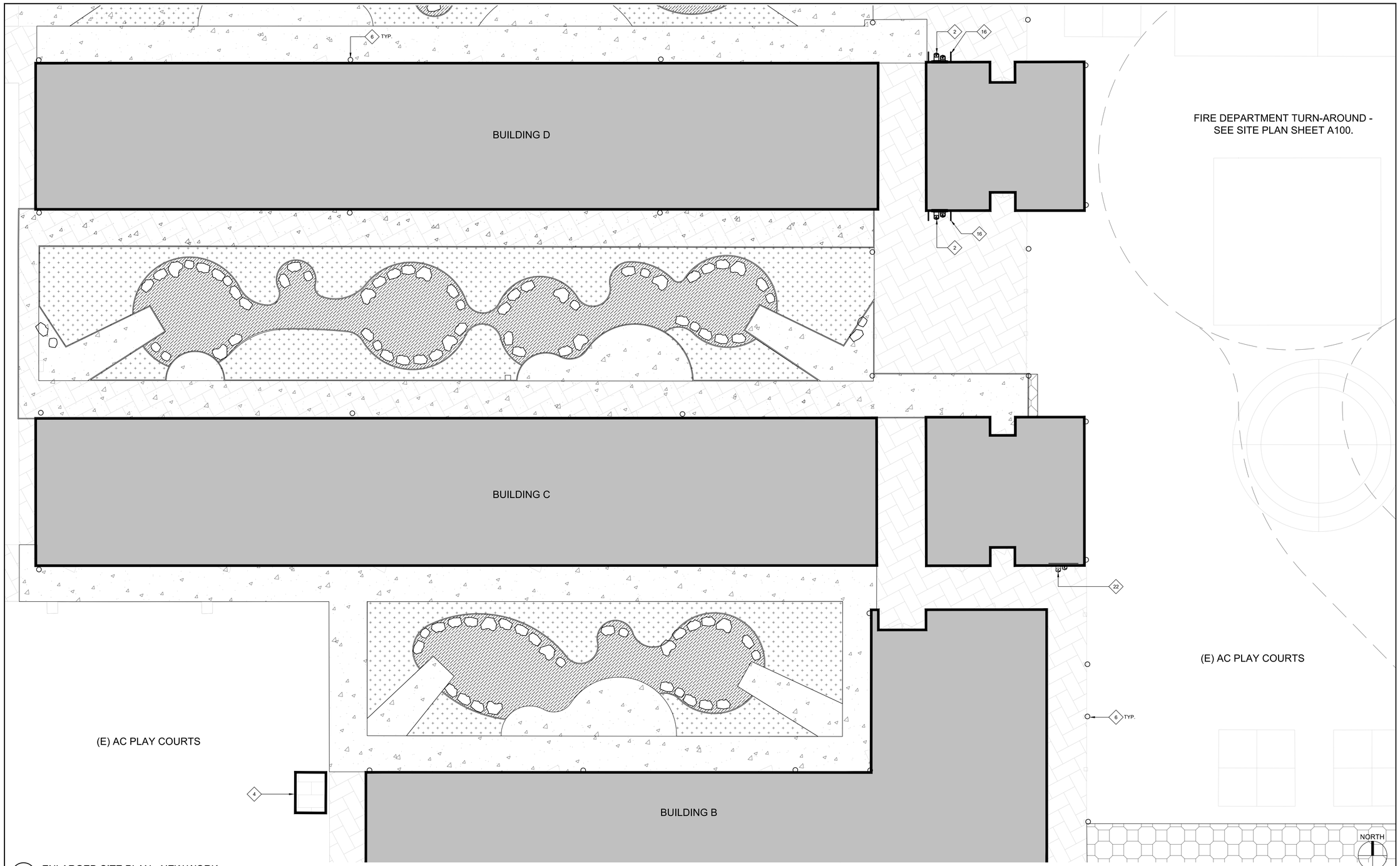
SHEET TITLE

ENLARGED SITE PLAN - DEMOLITION

SHEET NO.

A501D



1 ENLARGED SITE PLAN - NEW WORK

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

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

ALTERATION KEYNOTES:

NOT ALL KEYNOTES USED.

1. 7'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST. SEE DETAILS ON C8.2.
1A. 8'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST WITH DECORATIVE METAL PANELS. SEE DETAILS ON C8.2, A610 AND SPEC. SECTIONS 05 70 00 AND 32 31 19.
2. WALL MOUNT ACCESSIBLE DRINKING FOUNTAIN WITH GUIDE RAILS. SEE PLUMBING DRAWINGS FOR DRINKING FOUNTAIN INFO AND 21/A610 FOR GUIDE RAILS AND DRINKING FOUNTAIN DETAIL.
3. EXISTING FLOWER BEDS TO REMAIN.
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5. EXISTING TREE TO REMAIN - PROTECT IN PLACE. SEE LANDSCAPE DWG.
6. PAINT AND REINSTALL EXISTING SALVAGED DOWNSPOUT.
7. FLAGPOLE. SEE DETAIL 14/A610 AND SPEC. SECTION 10 75 16.
8. CONCRETE MOW STRIP. SEE CIVIL DWG.
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10. REINSTALL PREVIOUSLY SALVAGED MARQUIS SIGN.
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19. EXISTING PARKING SIGN TO REMAIN. PROTECT IN PLACE.
20. EXISTING DRAIN TO REMAIN - PROTECT IN PLACE. SEE CIVIL DWG.
21. FLUSH CONCRETE WITH EXISTING, TYP.
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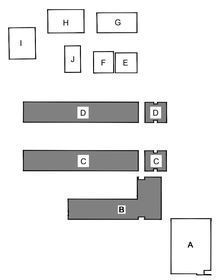
23. FIRE HYDRANT. SEE CIVIL DWG.
24. ACCESSIBLE PARKING TOW AWAY SIGN. SEE CIVIL DWG.

LEGEND:

- GXX — GATE TAG. SEE SHEET A610 FOR GATE SCHEDULE.
- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
- LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS.
- AC PAVING. SEE CIVIL DRAWINGS.
- CONCRETE PAVING. SEE CIVIL DRAWINGS.
- SEATING BOULDER. SEE LANDSCAPE DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- BUILDINGS (INCREMENT 2)

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

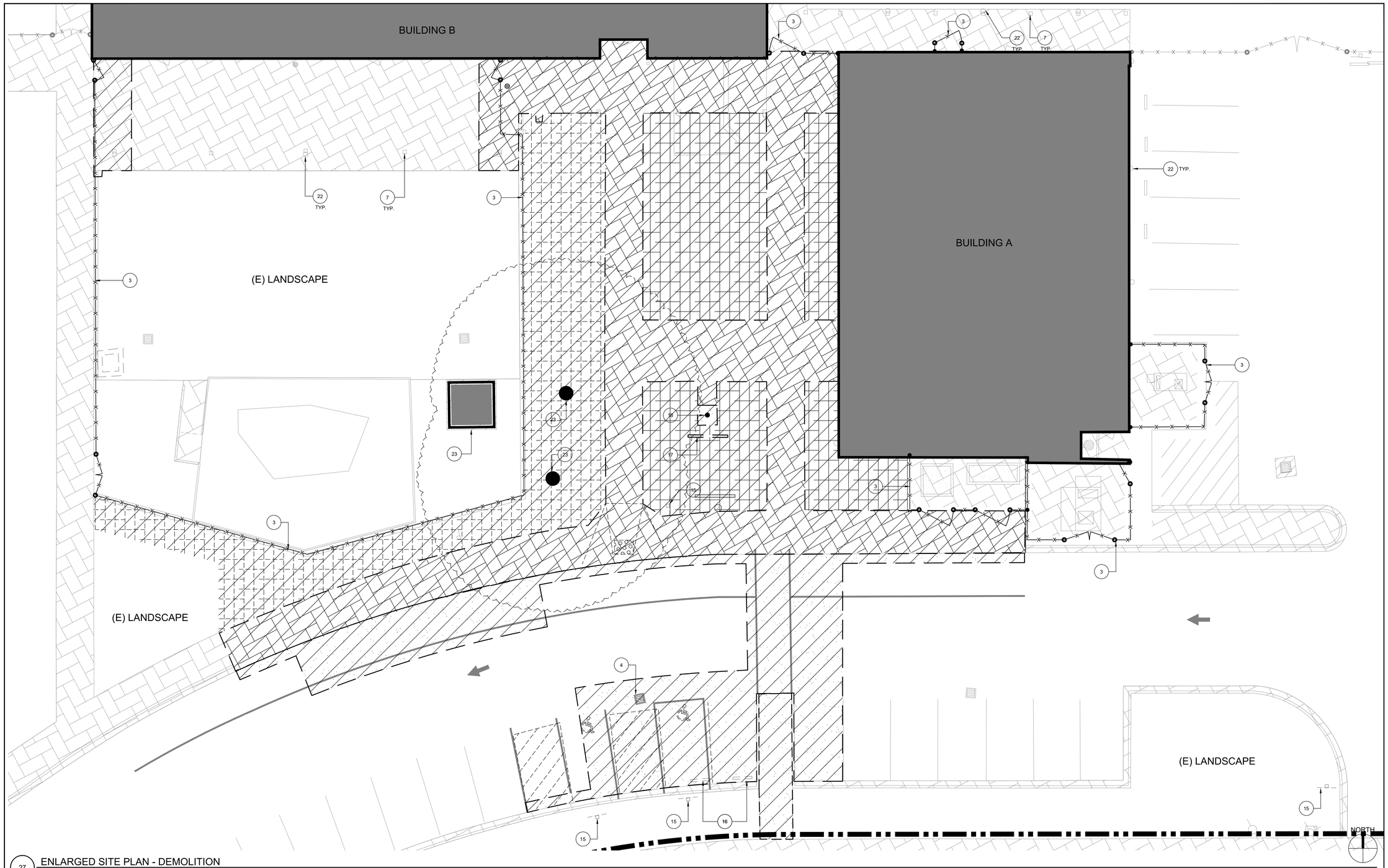
JOB NO.: Y2524.00

SHEET TITLE

ENLARGED SITE PLAN - NEW WORK

SHEET NO.

A501



27 ENLARGED SITE PLAN - DEMOLITION

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

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
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4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
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7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

DEMOLITION KEYNOTES:

NOTES USED ON THIS SHEET ONLY.

1. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
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3. DEMO EXISTING FENCING, POSTS AND GATES.
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9. DEMO EXISTING ACCESSIBLE HI-LOW DRINKING FOUNTAIN AND GUIDE RAILS.
10. EXISTING FIRE HYDRANT.
11. 20'-0" WIDE FIRE LANE EXCEPT AS NOTED.
12. REMOVE (E) TURF AND SOIL AS REQUIRED BY CIVIL DRAWINGS AND MODULAR BUILDING MANUFACTURER.
13. LOCATION OF EXCAVATION FOR BUILDING PAD. PAD AND BUILDING ARE PART OF INCREMENT 2.
14. EXISTING IRRIGATION CONTROLLER/VALVES. SEE LANDSCAPE DRAWINGS FOR RELOCATION INFORMATION.
15. DEMO EXISTING SIGN AND FOOTING. SEE CIVIL DRAWINGS.
16. DEMO EXISTING CONCRETE CURB. SEE CIVIL DRAWINGS.
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21. DEMO EXISTING CONDENSATE DRAIN AND LINE. SEE CIVIL DWG.
22. REMOVE AND SALVAGE EXISTING DOWNSPOUT.
23. EXISTING SHED TO REMAIN. PROTECT IN PLACE,

LEGEND:

- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
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- EXISTING TURF TO TO REMOVED. SEE LANDSCAPE DRAWINGS.

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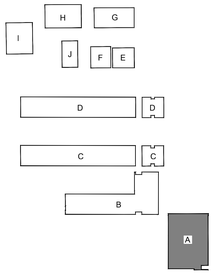

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ARCHITECT

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REVISIONS

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DATE: 12/12/2025

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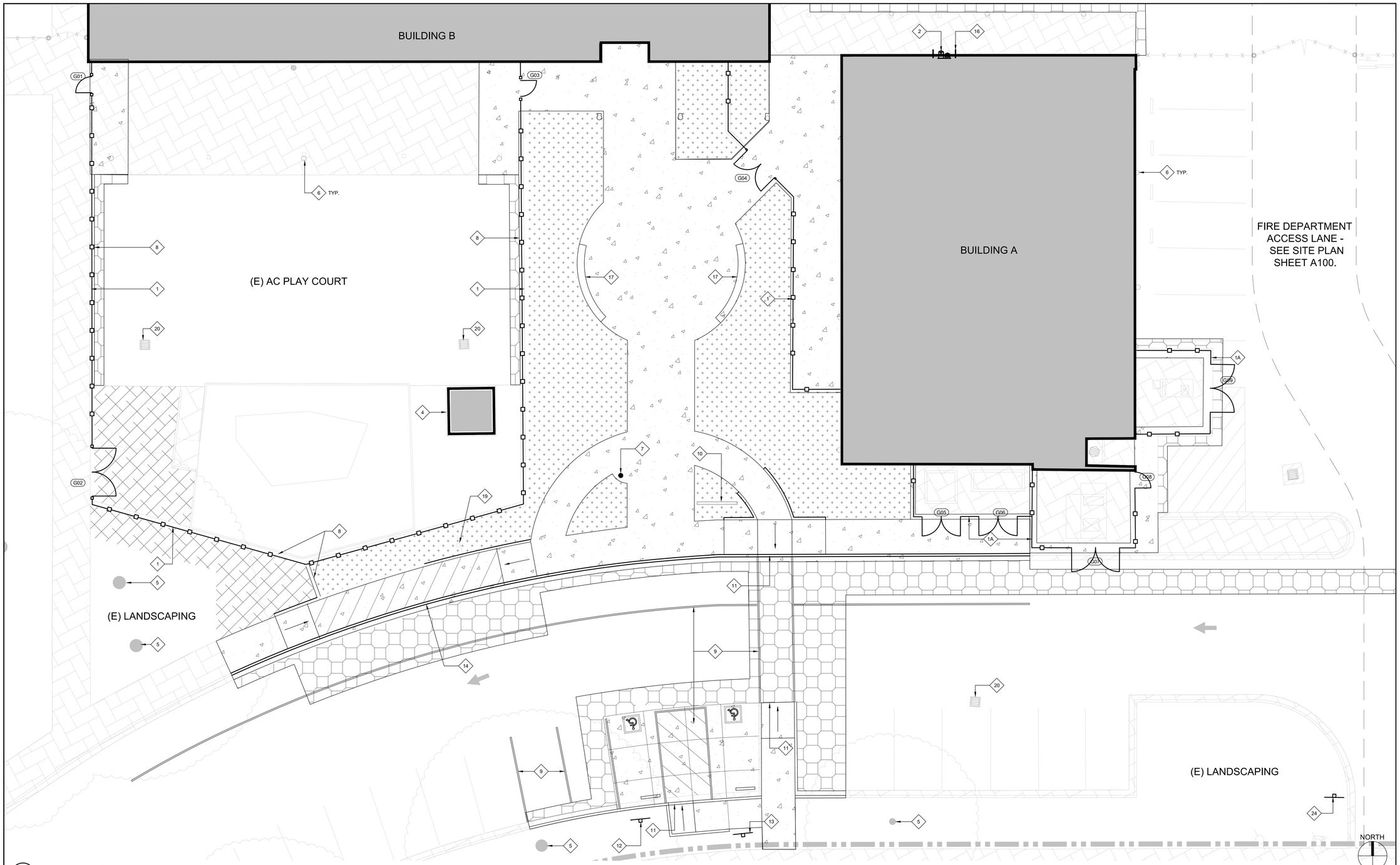
SHEET TITLE

ENLARGED SITE PLAN - DEMOLITION

SHEET NO.

A502D



1 ENLARGED SITE PLAN - NEW WORK

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

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

ALTERATION KEYNOTES:

NOT ALL KEYNOTES USED.

1. 7'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST. SEE DETAILS ON C8.2.
1A. 8'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST WITH DECORATIVE METAL PANELS. SEE DETAILS ON C8.2, A610 AND SPEC. SECTIONS 05 70 00 AND 32 31 19.
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3. EXISTING FLOWER BEDS TO REMAIN.
4. EXISTING SHED TO REMAIN - PROTECT IN PLACE.
5. EXISTING TREE TO REMAIN - PROTECT IN PLACE. SEE LANDSCAPE DWG.
6. PAINT AND REINSTALL EXISTING SALVAGED DOWNSPOUT.
7. FLAGPOLE. SEE DETAIL 14/A610 AND SPEC. SECTION 10 75 16.
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LEGEND:

- GXX — GATE TAG. SEE SHEET A610 FOR GATE SCHEDULE.
- (E) CAMPUS BUILDINGS TO REMAIN - INCLUDED IN SCOPE OF WORK.
- (E) CAMPUS BUILDINGS TO REMAIN - NOT INCLUDED IN SCOPE OF WORK.
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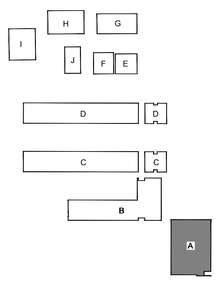
- AC PAVING. SEE CIVIL DRAWINGS.
- CONCRETE PAVING. SEE CIVIL DRAWINGS.
- SEATING BOULDER. SEE LANDSCAPE DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- BUILDINGS (INCREMENT 2)

KEYPLAN:



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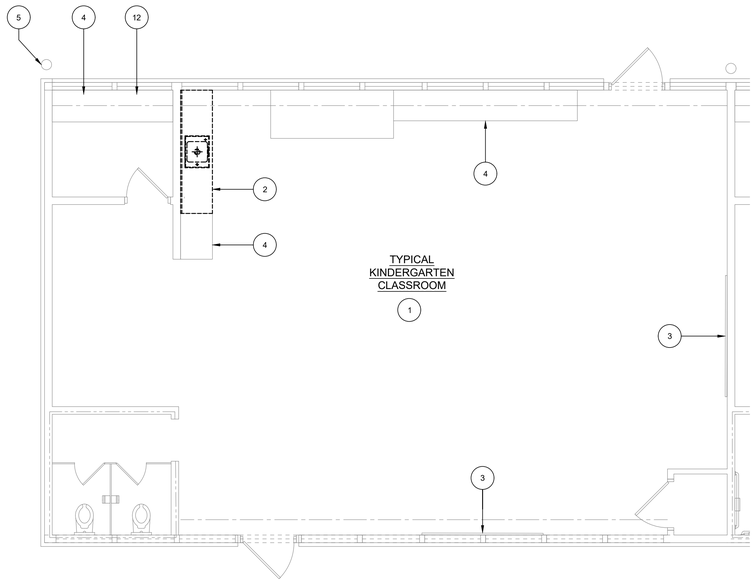
ENLARGED SITE PLAN - NEW WORK

SHEET NO.

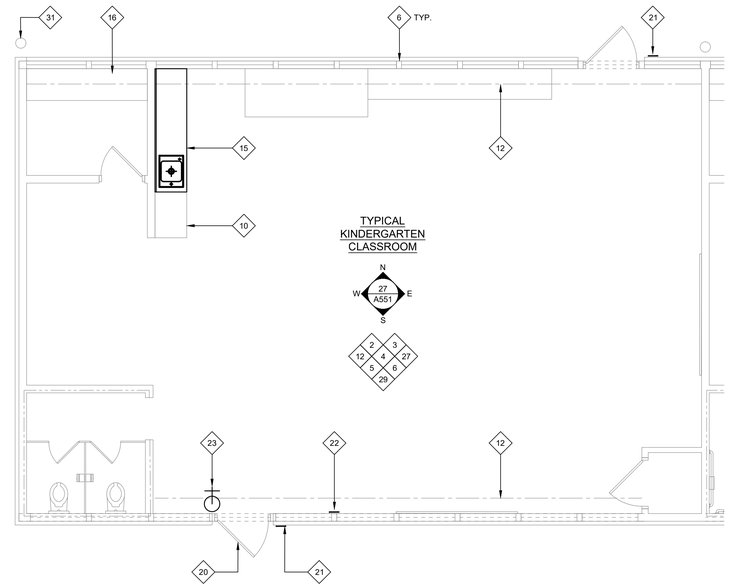
A502

INCREMENT NO. 1



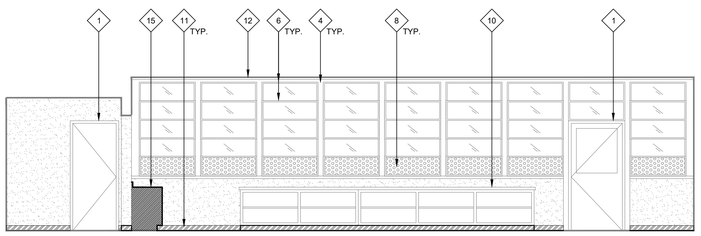
29 TYP. ENLARGED KINDERGARTEN CLASSROOM PLAN - DEMOLITION

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



14 TYP. ENLARGED KINDERGARTEN CLASSROOM PLAN - ALTERATION

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



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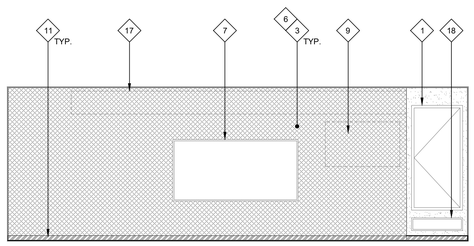

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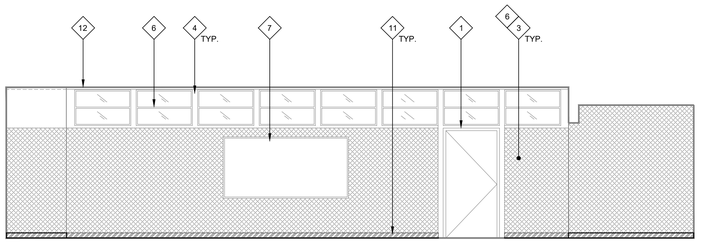
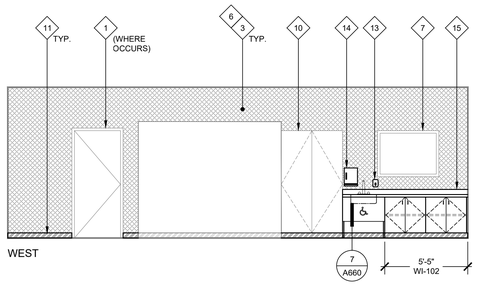


SOUTH



WEST

22 TYPICAL KINDERGARTEN CLASSROOM INTERIOR ELEVATIONS

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

LEGEND:

LEGEND TYPICAL TO ALL INTERIOR ELEVATION SHEETS.

- (E) GYP OR PLASTER WALL SURFACE. PRIME AND PAINT. PROTECT WALL MOUNTED EQUIPMENT FROM OVERSPRAY. PRIME AND PAINT CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
- (E) VINYL WRAPPED PANELS OR VINYL WALLCOVERING TO REMAIN. PATCH DAMAGED AREAS AND RE-TEXTURE TO BEST MATCH (E). THOROUGHLY CLEAN AND PRIME AND PAINT PER FINISH PLAN.
- (E) COMPOSITE INFILL WINDOW PANELS. PRIME AND PAINT (E) PANELS. PROTECT SURROUNDING GLASS AND FRAMES FROM PAINT OVERSPRAY.
- NEW 4" RUBBER BASE.
- (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL WITH NEW SIGN.
- (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED AND NEW SIGN ABOVE.

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. THOROUGHLY CLEAN ALL SURFACES RECEIVING NEW PAINT. PREPARE ALL SURFACES, I.E., FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE AND SCRAPE AND SAND ALL LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. PRIME ALL SURFACES RECEIVING PAINT - USE APPROPRIATE PRIMER AT EACH SUBSTRATE. CONTRACTOR TO PROVIDE (2) MAIN BODY COLORS, (4) ACCENT COLORS, (1) DOOR COLOR, AND (1) TRIM COLOR. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE FINISH PLAN FOR COLOR LOCATIONS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL EXISTING INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFORMATION):
   - WALLS, (INCLUDING CONCRETE WALLS, PLASTER, GYP. BOARD, SUBSTRATES)
   - WALL AND DOOR LOUVERS
   - WINDOW FRAMES
   - ALL SURFACES OF DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED CONDUIT AND PIPING
   - IN SOME AREAS, VINYL WALL COVERING
   - ACOUSTIC CEILING TILES
   - ACOUSTIC WALL TILES
   - STRUCTURAL TRUSSES AND EXPOSED FRAMING
   - WOOD SUBSTRATE WALLS
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
4. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE VINYL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING.
5. REMOVE EXISTING WALL SIGNAGE AND ROOM IDENTIFICATION SIGNAGE. ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH. PRIME AND PAINT. INSTALL NEW SIGNAGE.
6. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N, INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
7. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.
8. SEE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
9. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
10. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPLACE CURTAINS AND RE-SEW FRAYED EDGES. CONTRACTOR TO INCLUDE REPLACEMENT OF 20% OF CURTAIN TRACK AND ROLLERS IN BID.
11. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
12. SEE A710 FOR DOOR SCOPE FOR BOTH INTERIOR AND EXTERIOR DOORS.
13. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK. TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES / FINISHES, AS REQUIRED.
14. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.

DEMOLITION KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO (E) FLOORING FINISH & (E) BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF (E) CASEWORK. REMOVE BRACKETS, SUPPORTS & PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, & OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR & REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. (E) MARKER BOARDS TO REMAIN. MASK & PROTECT IN PLACE DURING ALTERATION WORK.
4. (E) CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. REMOVE AND SALVAGE (E) DOWNSPOUT. PREPARE SURFACE TO RECEIVE PAINT.
6. NOT USED.
7. DEMO (E) CHALKBOARDS & RELATED ANCHORAGE. PREP AREA TO RECEIVE NEW WHITE BOARD.
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. (E) LAMINATED CASEWORK. DO NOT PAINT.

NEW WORK KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME & PAINT DOOR/DOOR FRAME - CONTRACTOR TO PROVIDE ALLOWANCE FOR (2) COLORS AT EACH DOOR/DOOR FRAME (INSIDE COLOR & OUTSIDE COLOR). PRIME & PAINT INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REMOVE (E) WEATHER STRIPPING & REPLACE WITH AT ALL DOORS. REMOVE WINDOW COVERINGS & MASK AROUND GLASS WHERE APPLICABLE.
2. WHERE APPLICABLE, REMOVE PROJECTOR SCREEN FROM TRACKS TO PERFORM PAINT SCOPE & REINSTALL.
3. PRIME & PAINT ALL (E) EXPOSED CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
4. PRIME & PAINT PREVIOUSLY PAINTED WINDOW MULLIONS.
5. REMOVE ALL INTERIOR ROOM IDENTIFICATION SIGNS PRIOR TO PAINTING . INSTALL (N) ROOM IDENTIFICATION SIGN. SEE DETAILS ON A641 FOR MOUNTING HEIGHT & FOR MOUNTING AT DIFFERENT SUBSTRATES.
6. CLEAN (E) ALUMINUM WINDOW FRAMES. DO NOT PAINT.
7. WHERE APPLICABLE, (E) MARKERBOARD TO REMAIN - MASK & PROTECT IN PLACE.
8. PRIME & PAINT (E) WINDOW INFILL PANELS.
9. WHERE APPLICABLE, REMOVE WALL-MOUNTED TV/SCREEN & RETAIN FOR REINSTALLATION. DO NOT PAINT TRACK, MOUNT, OR MOUNT ARMS.
10. (E) PAINTED WOOD SHELVING UNIT OR CABINET. PRIME & PAINT ALL EXPOSED SIDES OF UNIT INCLUDING INSIDE OF CABINETS. COLOR TBD.
11. REMOVE (E) WOOD OR RUBBER FLOOR BASE, NAILS &/OR GLUE & SCRAPE CLEAN & SMOOTH & INSTALL 4" RUBBER BASE.
12. REMOVE ALL (E) CURTAINS/CURTAIN HANGERS AS REQ'D TO PERFORM SCOPE. PROTECT CURTAIN TRACKS IN PLACE & KEEP FREE OF DEBRIS & PAINT. REINSTALL CURTAINS IN SAME LOCATION. REPLACE ALL BROKEN CURTAIN HANGERS. PROVIDE ALLOWANCE FOR (8) CURTAIN HANGERS PER ROOM.
13. SOAP DISPENSER. SEE 11/A640 FOR MOUNTING HEIGHT.
14. PAPER TOWEL DISPENSER. SEE 11/A640 FOR MOUNTING HEIGHT.
15. CASEWORK UNIT WITH SINK. DO NOT PAINT. SEE 19/A640 FOR CASEWORK ANCHORAGE DETAILS.
16. (E) CASEWORK TO REMAIN. DO NOT PAINT - PROTECT IN PLACE.
17. PRIME & PAINT (E) DUCT.
18. CLEAN (E) VENT.
19. REMOVE (E) WHITEBOARD & CHALKBOARD UNDERNEATH & REINSTALL WHITE BOARD.
20. (E) 3'-4" x 6'-8" DOOR.
21. EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 & SEE DOOR SCHEDULE ON A710.
22. ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 5/A641
23. FIRE EXTINGUISHER, WALL MOUNTED. SEE SPEC SECTION 10 44 16.
24. PRIME & PAINT WALLS. REINSTALL PREVIOUSLY REMOVED WALL MOUNTED EQUIPMENT.
25. ISA SIGN INDICATING ACCESSIBLE ENTRANCE.
26. OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 4/A641.
27. CLEAN (E) WINDOWS ON INTERIOR & EXTERIOR SIDE.
28. EXTERIOR DOOR THRESHOLD PER DETAIL 1/A610.
29. PROVIDE A MINIMUM OF 2 ASSISTIVE LISTENING SYSTEM RECEIVERS THAT SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3. CLASSROOM SIZE < OR = TO 1040 SF / OCC LOAD 20 x .04 (4%) = 2.08 (2) RECEIVERS MINUMUM REQUIRED.
30. PROVIDE A MINIMUM OF 3 ASSISTIVE LISTENING SYSTEM RECEIVERS, 2 OF WHICH SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3. CLASSROOM SIZE < OR = TO 1300 SF / OCC LOAD 20 x .04 (4%) = 2.6 (3) RECEIVERS MINIMUM REQUIRED.

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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Sacramento, CA 95826

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

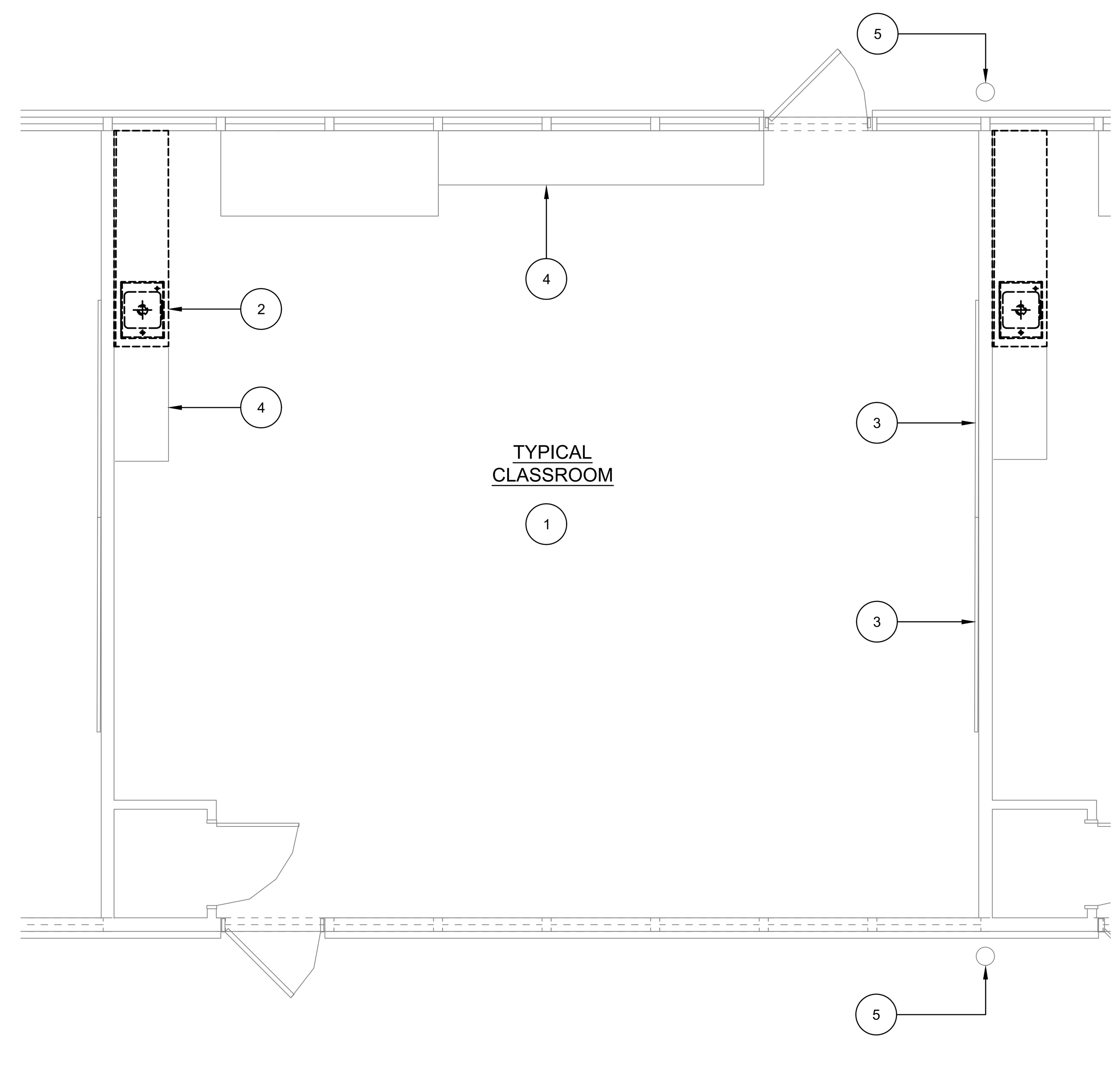
SHEET TITLE

TYPICAL ENLARGED KINDERGARTEN CLASSROOM PLAN & INTERIOR ELEVATIONS

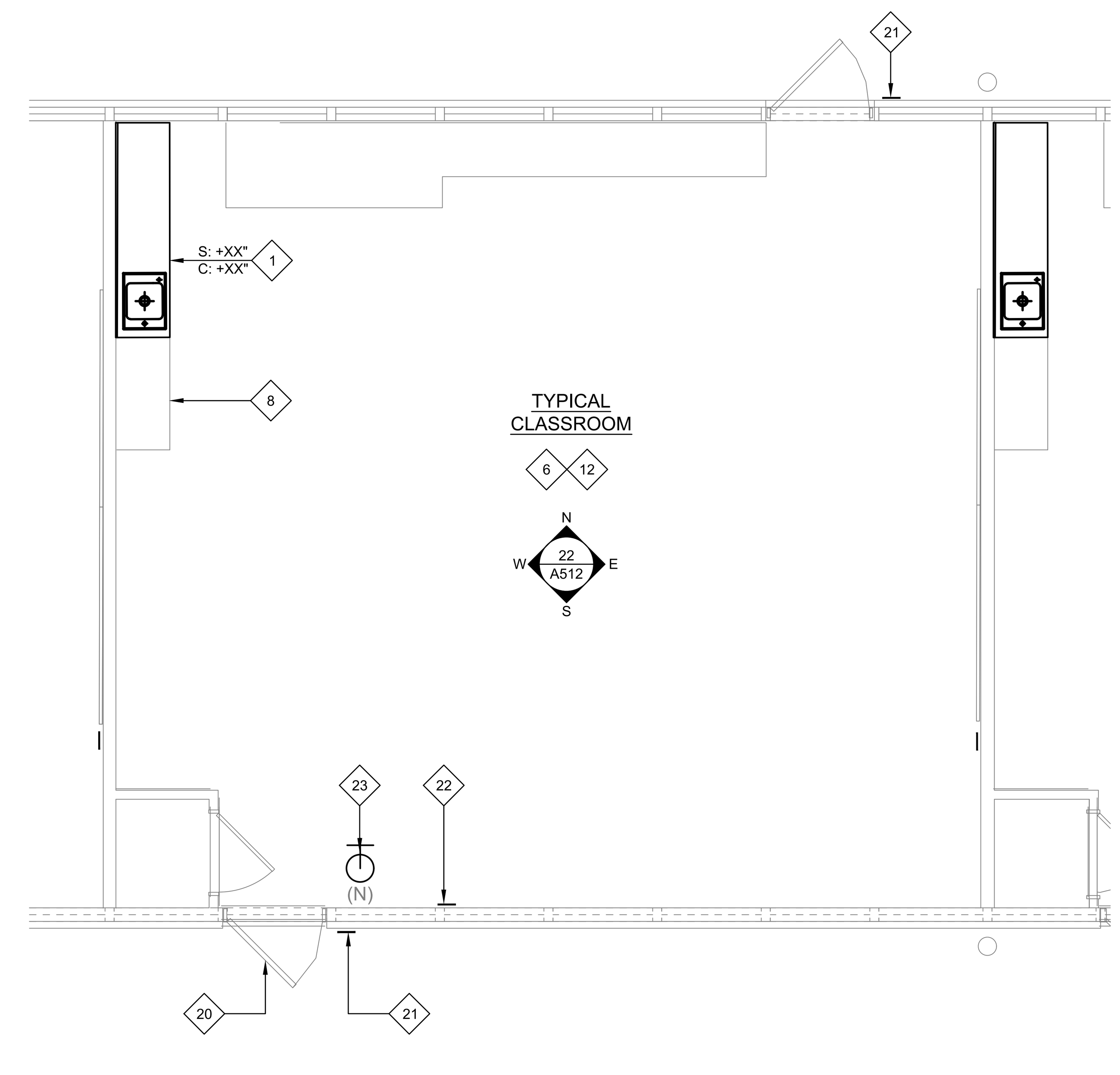
SHEET NO.

A511

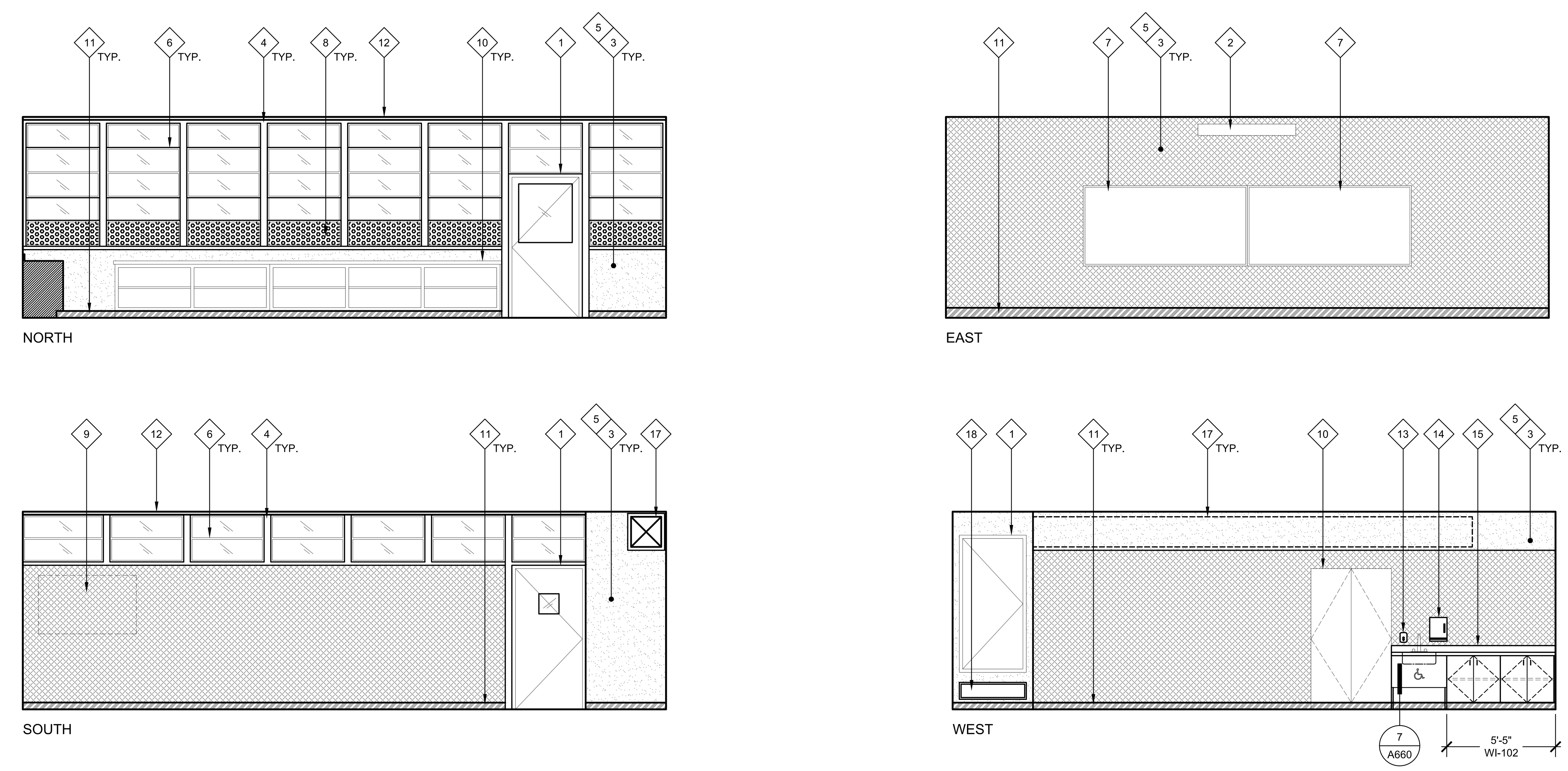
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



29 TYPICAL ENLARGED CLASSROOM PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



14 TYPICAL ENLARGED CLASSROOM PLAN - ALTERATION
SCALE: 1/4" = 1'-0"



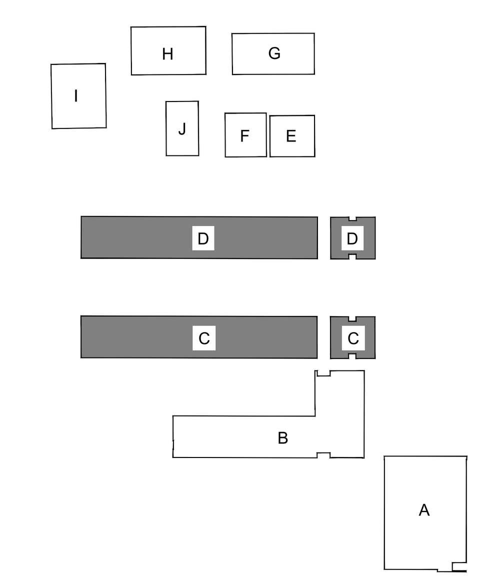
22 TYPICAL CLASSROOM INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

LEGEND:

LEGEND TYPICAL TO ALL INTERIOR ELEVATION SHEETS.

- (E) GYP OR PLASTER WALL SURFACE. PRIME AND PAINT. PROTECT WALL MOUNTED EQUIPMENT FROM OVERSPRAY. PRIME AND PAINT CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
- (E) VINYL WRAPPED PANELS OR VINYL WALLCOVERING TO REMAIN. PATCH DAMAGED AREAS AND RE-TEXTURE TO BEST MATCH (E). THOROUGHLY CLEAN AND PRIME AND PAINT PER FINISH PLAN.
- (E) COMPOSITE INFILL WINDOW PANELS. PRIME AND PAINT (E) PANELS. PROTECT SURROUNDING GLASS AND FRAMES FROM PAINT OVERSPRAY.
- NEW 4" RUBBER BASE.
- (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL WITH NEW SIGN.
- (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED AND NEW SIGN ABOVE.

KEYPLAN:



GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. THOROUGHLY CLEAN ALL SURFACES RECEIVING NEW PAINT. PREPARE ALL SURFACES, I.E., FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE AND SCRAPE AND SAND ALL LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. PRIME ALL SURFACES RECEIVING PAINT - USE APPROPRIATE PRIMER AT EACH SUBSTRATE. CONTRACTOR TO PROVIDE (2) MAIN BODY COLORS, (4) ACCENT COLORS, (1) DOOR COLOR, AND (1) TRIM COLOR. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE FINISH PLAN FOR COLOR LOCATIONS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL EXISTING INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFORMATION):
   - WALLS, (INCLUDING CONCRETE WALLS, PLASTER, GYP. BOARD, SUBSTRATES)
   - WALL AND DOOR LOUVERS
   - WINDOW FRAMES
   - ALL SURFACES OF DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED CONDUIT AND PIPING
   - IN SOME AREAS, VINYL WALL COVERING
   - ACOUSTIC CEILING TILES
   - ACOUSTIC WALL TILES
   - STRUCTURAL TRUSSES AND EXPOSED FRAMING
   - WOOD SUBSTRATE WALLS
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
4. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE VINYL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING.
5. REMOVE EXISTING WALL SIGNAGE AND ROOM IDENTIFICATION SIGNAGE, ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH, PRIME AND PAINT. INSTALL NEW SIGNAGE.
6. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N, INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
7. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.
8. SEE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
9. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
10. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPLACE CURTAINS AND RE-SEW FRAYED EDGES. CONTRACTOR TO INCLUDE REPLACEMENT OF 20% OF CURTAIN TRACK AND ROLLERS IN BID.
11. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
12. SEE A710 FOR DOOR SCOPE FOR BOTH INTERIOR AND EXTERIOR DOORS.
13. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES / FINISHES, AS REQUIRED.
14. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.

DEMOLITION KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO (E) FLOORING FINISH & (E) BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF (E) CASEWORK. REMOVE BRACKETS, SUPPORTS & PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, & OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR & REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. (E) MARKER BOARDS TO REMAIN. MASK & PROTECT IN PLACE DURING ALTERATION WORK.
4. (E) CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. REMOVE AND SALVAGE (E) DOWNSPOUT. PREPARE SURFACE TO RECEIVE PAINT.
6. DEMO WALL-MOUNTED FLOATING CUBBY SYSTEM & RELATED ANCHORAGE. PATCH HOLES & PROVIDE SMOOTH SURFACE TO RECEIVE PAINT.
7. DEMO (E) CHALKBOARDS & RELATED ANCHORAGE. PREP AREA TO RECEIVE NEW WHITE BOARD.
8. REMOVE (E) WHITE BOARD & DEMO CHALKBOARD UNDERNEATH. REMOVE ALL ADHESIVES & PREP AREA FOR REINSTALLATION OF REMOVED WHITE BOARD.
9. REMOVE (E) TOP SHELF FROM PREVIOUSLY INFILLED CASEWORK. INSTALL NEW CLEATS ON ALL 3 SIDES OF SHELF & REINSTALL REMOVED TOP SHELF. PREPARE FOR NEW PRIMER & PAINT.
10. DEMO (E) CLOSET SHELVES & CLEATS. REMOVE ALL RELATED ANCHORAGE & PATCH HOLES. PREPARE CLOSET FOR NEW SHELVING & PREPARE WALLS FOR PRIME & PAINT.
11. (E) LAMINATED CASEWORK. DO NOT PAINT.

NEW WORK KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME & PAINT DOOR/DOOR FRAME - CONTRACTOR TO PROVIDE ALLOWANCE FOR (2) COLORS AT EACH DOOR/DOOR FRAME (INSIDE COLOR & OUTSIDE COLOR). PRIME & PAINT INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REMOVE (E) WEATHER STRIPPING & REPLACE WITH AT ALL DOORS. REMOVE WINDOW COVERINGS & MASK AROUND GLASS WHERE APPLICABLE.
2. WHERE APPLICABLE, REMOVE PROJECTOR SCREEN FROM TRACKS TO PERFORM PAINT SCOPE & REINSTALL.
3. PRIME & PAINT ALL (E) EXPOSED CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
4. PRIME & PAINT PREVIOUSLY PAINTED WINDOW MULLIONS.
5. REMOVE ALL INTERIOR ROOM IDENTIFICATION SIGNS PRIOR TO PAINTING . INSTALL (N) ROOM IDENTIFICATION SIGN. SEE DETAILS ON A641 FOR MOUNTING HEIGHT & FOR MOUNTING AT DIFFERENT SUBSTRATES.
6. CLEAN (E) ALUMINUM WINDOW FRAMES. DO NOT PAINT.
7. WHERE APPLICABLE, (E) MARKERBOARD TO REMAIN - MASK & PROTECT IN PLACE.
8. PRIME & PAINT (E) WINDOW INFILL PANELS.
9. WHERE APPLICABLE, REMOVE WALL-MOUNTED TV/SCREEN & RETAIN FOR REINSTALLATION. DO NOT PAINT TRACK, MOUNT, OR MOUNT ARMS.
10. (E) PAINTED WOOD SHELVING UNIT OR CABINET. PRIME & PAINT ALL EXPOSED SIDES OF UNIT INCLUDING INSIDE OF CABINETS. COLOR TBD.
11. REMOVE (E) WOOD OR RUBBER FLOOR BASE, NAILS &/OR GLUE & SCRAPE CLEAN & SMOOTH & INSTALL 4" RUBBER BASE.
12. REMOVE ALL (E) CURTAINS/CURTAIN HANGERS AS REQ'D TO PERFORM SCOPE. PROTECT CURTAIN TRACKS IN PLACE & KEEP FREE OF DEBRIS & PAINT. REINSTALL CURTAINS IN SAME LOCATION. REPLACE ALL BROKEN CURTAIN HANGERS. PROVIDE ALLOWANCE FOR (8) CURTAIN HANGERS PER ROOM.
13. SOAP DISPENSER. SEE 11/A640 FOR MOUNTING HEIGHT.
14. PAPER TOWEL DISPENSER. SEE 11/A640 FOR MOUNTING HEIGHT.
15. CASEWORK UNIT WITH SINK. DO NOT PAINT. SEE 19/A640 FOR CASEWORK ANCHORAGE DETAILS.
16. (E) CASEWORK TO REMAIN. SINK ACCESSIBLE PER APP # XXXXXXXX. DO NOT PAINT - PROTECT IN PLACE.
17. PRIME & PAINT (E) DUCT.
18. CLEAN (E) VENT.
19. REMOVE (E) WHITEBOARD & CHALKBOARD UNDERNEATH & REINSTALL WHITE BOARD.
20. (E) 3'-4" x 6'-8" DOOR.
21. EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 & SEE DOOR SCHEDULE ON A710.
22. ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 5/A641
23. FIRE EXTINGUISHER.
24. PRIME & PAINT WALLS. REINSTALL PREVIOUSLY REMOVED WALL MOUNTED EQUIPMENT.
25. ISA SIGN INDICATING ACCESSIBLE ENTRANCE.
26. OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 4/A641.
27. CLEAN (E) WINDOWS ON INTERIOR & EXTERIOR SIDE.
28. EXTERIOR DOOR THRESHOLD PER DETAIL 1/A610.
29. PROVIDE A MINIMUM OF 2 ASSISTIVE LISTENING SYSTEM RECEIVERS THAT SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3. CLASSROOM SIZE < OR = TO 1040 SF / OCC LOAD 20 x .04 (4%) = 2.08 (2) RECEIVERS MINUMUM REQUIRED.
30. PROVIDE A MINIMUM OF 3 ASSISTIVE LISTENING SYSTEM RECEIVERS, 2 OF WHICH SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3. CLASSROOM SIZE < OR = TO 1300 SF / OCC LOAD 20 x .04 (4%) = 2.6 (3) RECEIVERS MINIMUM REQUIRED.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
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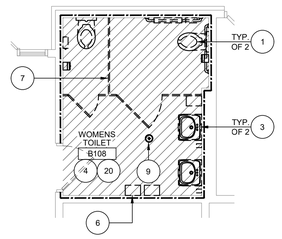
SHEET TITLE

TYPICAL ENLARGED CLASSROOM PLAN & INTERIOR ELEVATIONS

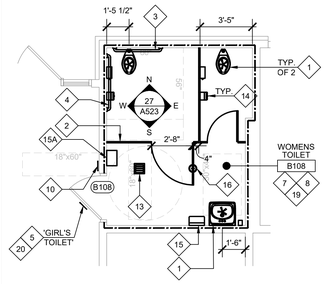
SHEET NO.

A512



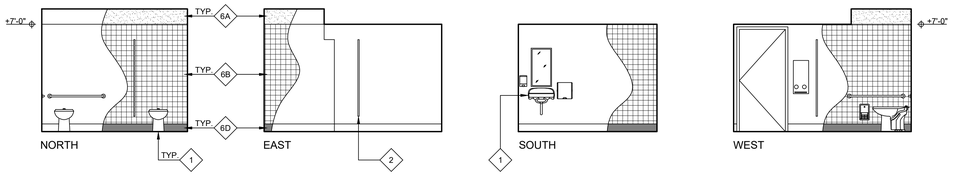
20 ADMIN BUILDING B - ENLARGED DEMOLITION PLAN

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



15 ADMIN BUILDING B - ENLARGED ALTERATION PLAN

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



24 ADMIN. BUILDING B RESTROOM - INTERIOR ELEVATIONS

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

GENERAL NOTES:

KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE. SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 26 & 16/A640. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A640 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERA'ING SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OR BELLIES IN PIPE, CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
20. ALL LAVATORIES AND URINALS SHALL BE LEVEL AND EQUALLY SPACED APART WITHIN THE GROUP OF FIXTURES WITH THE EXCEPTION OF THE ACCESSIBLE LAVATORY OR URINAL. CONTRACTOR SHALL RE-PIPE ALL UTILITIES AS REQUIRED TO PER ALTERATION PLAN AND INCLUDE IN BID COST TO RELOCATE EACH FIXTURE LOCATION SHOWN ON DENOTED WITH AN "*".
21. AT ALL ALL LIGHT SWITCHES, PROVIDE (N) KEYED-TYPE LIGHT SWITCH EQUAL TO LEVITION. REPLACE (E) OUTLET WITH GFI & WEATHERPROOF COVER EQUAL TO RED-DOT DRY-TITE DEVICE COVER MODEL No. CCDV, TYPICAL (1) PER TOILET ROOM.
22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

LEGEND:

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A640 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE. BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING, CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.
- * PLUMB. FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.
- GYP. BOARD FINISH
- CERAMIC WALL TILE
- EPOXY BASE

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING TOILET - REROUTE PLUMBING AND SEWER LINES AS REQUIRED FOR ALTERATION WORK. AT LINES NOT BEING USED, CUT AND CAP LINE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. DEMO EXISTING TILE FLOOR AND TILE WALL FINISH, BOARD, AND CONCRETE FLOOR SLAB IN ENTIRE ROOM DOWN TO EXISTING AGGREGATE BASE MATERIAL, WALL TO WALL AND UP TO ENTRY DOOR THRESHOLD. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630. SLOPE OF NEW CONCRETE SLAB TO DRAIN SHALL BE 0.5% MINIMUM TO 1.5% MAXIMUM AND CONFORM TO EXISTING SLAB GRADE AT ENTRY DOOR. PREP FLOOR TO RECEIVE NEW EPOXY FLOORING SYSTEM AND WALLS TO RECEIVE NEW CERAMIC TILE.

4A. DEMO PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO RELOCATE FIXTURE CONNECTION IN ROOM. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630.

5. DEMO EXISTING GRAB BARS.
6. DEMO EXISTING TOILET ROOM ACCESSORY.
7. DEMO EXISTING TOILET PARTITION SYSTEM.
8. DEMO PORTION OF EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND FRAME.
9. DEMO EXISTING FLOOR CLEAN OUT AND REPLACE WITH NEW.
10. DEMO EXISTING GLAZING FROM EXISTING FRAMES.
11. DEMO EXISTING EMBEDDED METAL ANGLE DOOR THRESHOLD AND PREP AREA FOR NEW THRESHOLD.
12. DEMO EXISTING DOOR. INFILL PREP IN EXISTING FRAME IN PREPARATION FOR NEW DOOR AND HARDWARE.
13. DEMO PORTION OF EXTERIOR BRICK WALL, CONCRETE CURB, WOOD STUD FRAMING AS REQUIRED TO PLACE NEW DOOR FRAME AS SHOWN.
14. PREP EXISTING WOOD CEILING FOR NEW PAINT. REMOVE ALL ABANDONED CONDUITS.
15. DEMO EXISTING DOOR AND DOOR FRAME.
16. DEMO EXISTING FLOOR DRAIN, P-TRAP, AND CONCRETE SLAB DUE TO GREATER THAN 2% FLOOR SLOPE. PROVIDE NEW RAISED FLOOR DRAIN, P-TRAP, AND CONCRETE WITH 2% MAXIMUM SLOPE TO DRAIN.
17. DEMO EXISTING CERAMIC TILE FROM WINDOW SILL AND PREP FOR NEW WORK.
18. DEMO PORTION OF EXISTING NON-BEARING PARTITION WALL AS REQUIRED FOR ACCESSIBLE CLEARANCES.
19. REMOVE EXISTING RESILIENT SHEET GOOD AND INTEGRAL COVED RESILIENT BASE.
20. FIRE ALARM DEVICES: DISCONNECT NOTIFICATION DEVICE. PULL BACK WIRE TO DETECTOR J-BOX AND PRESERVE FOR REINSTALL. TIE-THROUGH NAC CIRCUIT. REMOVE CONDUIT AND WALL J-BOX AND PRESERVE FOR REINSTALL.
21. REMOVE EXISTING DOOR & FRAME AND SALVAGE FOR REINSTALL. REMOVE PORTION OF NON-BEARING INFILL ABOVE DOOR FRAME AS REQUIRED TO RAISE FRAME TO MATCH NEW CONCRETE ELEVATION.
22. DEMO EXISTING DRINKING FOUNTAIN AND WALL ANCHORAGE. PATCH WALL.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW PLUMBING FIXTURE - SEE PLUMBING DRAWINGS.
2. NEW TOILET PARTITION SYSTEM. PROVIDE SOLID BACKING AT ALL ANCHORAGE WALL AND CEILING LOCATIONS PER DETAIL 17/A640. PROVIDE MANUFACTURER'S STAINLESS STEEL POST AT FREE PANEL ENDS. AT LOCATIONS WHERE PARTITION OCCURS AT WINDOW, PROVIDE BACKING PER DETAIL 1/A640.
3. NEW 42" GRAB BAR - SEE DETAIL 26/A640 FOR MOUNTING.
4. NEW 48" GRAB BAR - SEE DETAIL 26/A640FOR MOUNTING.
5. ON INTERIOR FACE OF DOOR AT 5'-0" A.F.F., PROVIDE 3" HIGH, WHITE PAINTED TEXT TO READ, "TEXT AS NOTED ON PLAN KEYNOTE". ON EXTERIOR FACE, PROVIDE ACCESSIBLE SIGNAGE PACKAGE PER DETAIL 6/A641.

6A. NEW WALL FINISH. PRIME AND PAINT.
6B. NEW CERAMIC TILE.
6C. NEW FRL WALL PANELS.
6D. NEW COVED EPOXY BASE - SEE DETAIL 5/A640.
6E. NEW INTEGRAL COVED RESILIENT FLOORING BASE.

7. NEW CONCRETE SLAB AND EPOXY FLOORING SYSTEM INCLUDING INTEGRAL EPOXY COVED BASE. SEE SPEC 09 67 23.
8. PAINT ALL SURFACES AND NEW WORK INCLUDING WALLS, CEILINGS, WINDOW AND DOOR FRAMES, AND ASSOCIATED TRIM.
9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE OPENING SCHEDULE A710 FOR MORE INFO.
10. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 AND SEE OPENING SCHEDULE ON A710.
11. PROVIDE 24"X24" DOOR LOUVER. LOCATE LOUVER AS REQUIRED TO PROVIDE A MINIMUM OF 10" SMOOTH SURFACE ABOVE FINISHED FLOOR.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

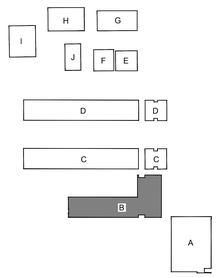
14A. NEW PAPER TOWEL DISPENSER - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

15. NEW ELECTRIC HAND DRYER.

15A. NEW FEMININE NAPKIN DISPENSER.

16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 21/A610.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.
20. REINSTALL EXISTING DOOR AND FRAME. PROVIDE NEW EXPANSION ANCHORS.
21. NEW HI-LOW DRINKING FOUNTAIN AND GUARDRAILS. SEE DETAIL 21/A610.
22. REPAIR OR REPLACE (E) CERAMIC TILE & SUBSTRATE IN KIND THAT HAS BEEN DRILLED, CUT OR OTHERWISE DAMAGED AFTER (E) SINK OR TOILET ACCESSORY HAS BEEN REMOVED. MATCH (E) TILE TYPE(S).

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

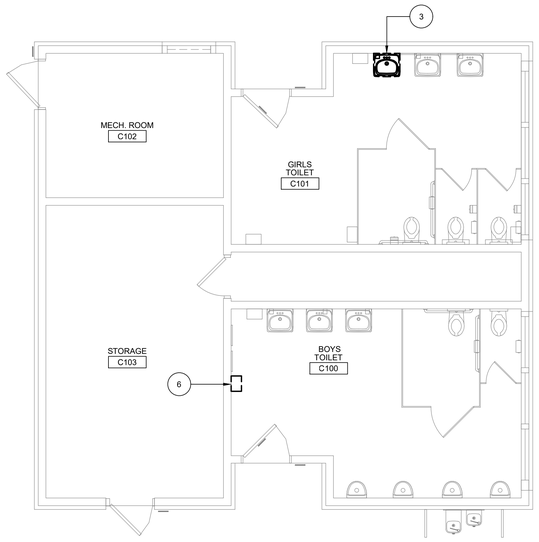
JOB NO.: Y2524.00

SHEET TITLE

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

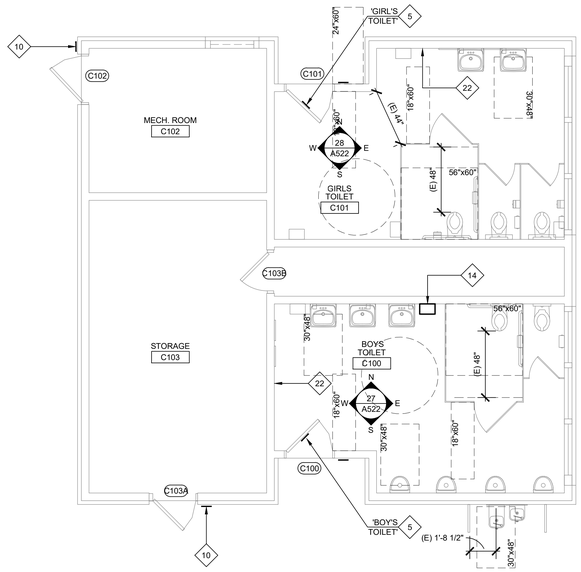
SHEET NO.

A521



29 BUILDING C - ENLARGED DEMOLITION PLANS

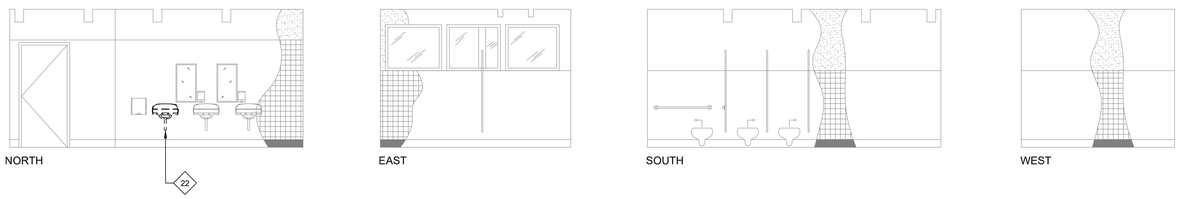
SCALE: 1/4" = 1'-0"



19 BUILDING C - ENLARGED ALTERATION PLANS

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

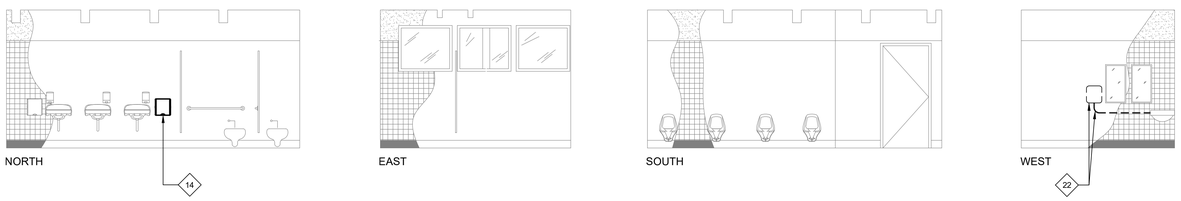
EXISTING TOILET ROOMS SHOWN FOR DOCUMENTING EXISTING CLEARANCES AND DIMENSIONS. ONLY MINOR ADJUSTMENTS/MODIFICATIONS ARE BEING MADE TO THESE TOILET ROOMS.



28 BUILDING C GIRLS RESTROOM - INTERIOR ELEVATIONS

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

(AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A640)



27 BUILDING C BOYS RESTROOM - INTERIOR ELEVATIONS

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

(AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A640)

GENERAL NOTES:

KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE. SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 26 & 16/A640. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A640 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERA'ING SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OR BELLIES IN PIPE, CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
20. ALL LAVATORIES AND URINALS SHALL BE LEVEL AND EQUALLY SPACED APART WITHIN THE GROUP OF FIXTURES WITH THE EXCEPTION OF THE ACCESSIBLE LAVATORY OR URINAL. CONTRACTOR SHALL RE-PIPE ALL UTILITIES AS REQUIRED TO PER ALTERATION PLAN AND INCLUDE IN BID COST TO RELOCATE EACH FIXTURE LOCATION SHOWN ON DENOTED WITH AN "*".
21. AT ALL ALL LIGHT SWITCHES, PROVIDE (N) KEYED-TYPE LIGHT SWITCH EQUAL TO LEVITION. REPLACE (E) OUTLET WITH GFI & WEATHERPROOF COVER EQUAL TO RED-DOT DRY-TITE DEVICE COVER MODEL No. CCDV, TYPICAL (1) PER TOILET ROOM.
22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

LEGEND:

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A640 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE, BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.
- * PLUMB. FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.
- GYP. BOARD FINISH
- CERAMIC WALL TILE
- EPOXY BASE

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING TOILET - REROUTE PLUMBING AND SEWER LINES AS REQUIRED FOR ALTERATION WORK. AT LINES NOT BEING USED, CUT AND CAP LINE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. DEMO EXISTING TILE FLOOR AND TILE WALL FINISH, BOARD, AND CONCRETE FLOOR SLAB IN ENTIRE ROOM DOWN TO EXISTING AGGREGATE BASE MATERIAL, WALL TO WALL AND UP TO ENTRY DOOR THRESHOLD. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630. SLOPE OF NEW CONCRETE SLAB TO DRAIN SHALL BE 0.5% MINIMUM TO 1.5% MAXIMUM AND CONFORM TO EXISTING SLAB GRADE AT ENTRY DOOR. PREP FLOOR TO RECEIVE NEW EPOXY FLOORING SYSTEM AND WALLS TO RECEIVE NEW CERAMIC TILE.

4A. DEMO PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO RELOCATE FIXTURE CONNECTION IN ROOM. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630.

5. DEMO EXISTING GRAB BARS.
6. DEMO EXISTING TOILET ROOM ACCESSORY.
7. DEMO EXISTING TOILET PARTITION SYSTEM.
8. DEMO PORTION OF EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND FRAME.
9. DEMO EXISTING FLOOR CLEAN OUT AND REPLACE WITH NEW.
10. DEMO EXISTING GLAZING FROM EXISTING FRAMES.
11. DEMO EXISTING EMBEDDED METAL ANGLE DOOR THRESHOLD AND PREP AREA FOR NEW THRESHOLD.
12. DEMO EXISTING DOOR. INFILL PREP IN EXISTING FRAME IN PREPARATION FOR NEW DOOR AND HARDWARE.
13. DEMO PORTION OF EXTERIOR BRICK WALL, CONCRETE CURB, WOOD STUD FRAMING AS REQUIRED TO PLACE NEW DOOR FRAME AS SHOWN.
14. PREP EXISTING WOOD CEILING FOR NEW PAINT. REMOVE ALL ABANDONED CONDUITS.
15. DEMO EXISTING DOOR AND DOOR FRAME.
16. DEMO EXISTING FLOOR DRAIN, P-TRAP, AND CONCRETE SLAB DUE TO GREATER THAN 2% FLOOR SLOPE. PROVIDE NEW RAISED FLOOR DRAIN, P-TRAP, AND CONCRETE WITH 2% MAXIMUM SLOPE TO DRAIN.
17. DEMO EXISTING CERAMIC TILE FROM WINDOW SILL AND PREP FOR NEW WORK.
18. DEMO PORTION OF EXISTING NON-BEARING PARTITION WALL AS REQUIRED FOR ACCESSIBLE CLEARANCES.
19. REMOVE EXISTING RESILIENT SHEET GOOD AND INTEGRAL COVED RESILIENT BASE.
20. FIRE ALARM DEVICES: DISCONNECT NOTIFICATION DEVICE. PULL BACK WIRE TO DETECTOR J-BOX AND PRESERVE FOR REINSTALL. TIE-THROUGH NAC CIRCUIT. REMOVE CONDUIT AND WALL J-BOX AND PRESERVE FOR REINSTALL.
21. REMOVE EXISTING DOOR & FRAME AND SALVAGE FOR REINSTALL. REMOVE PORTION OF NON-BEARING INFILL ABOVE DOOR FRAME AS REQUIRED TO RAISE FRAME TO MATCH NEW CONCRETE ELEVATION.
22. DEMO EXISTING DRINKING FOUNTAIN AND WALL ANCHORAGE. PATCH WALL.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW PLUMBING FIXTURE - SEE PLUMBING DRAWINGS.
2. NEW TOILET PARTITION SYSTEM. PROVIDE SOLID BACKING AT ALL ANCHORAGE WALL AND CEILING LOCATIONS PER DETAIL 17/A640. PROVIDE MANUFACTURER'S STAINLESS STEEL POST AT FREE PANEL ENDS. AT LOCATIONS WHERE PARTITION OCCURS AT WINDOW, PROVIDE BACKING PER DETAIL 1/A640.
3. NEW 42" GRAB BAR - SEE DETAIL 26/A640 FOR MOUNTING.
4. NEW 48" GRAB BAR - SEE DETAIL 26/A640FOR MOUNTING.
5. ON INTERIOR FACE OF DOOR AT 5'-0" A.F.F., PROVIDE 3" HIGH, WHITE PAINTED TEXT TO READ, "TEXT AS NOTED ON PLAN KEYNOTE". ON EXTERIOR FACE, PROVIDE ACCESSIBLE SIGNAGE PACKAGE PER DETAIL 6/A641.

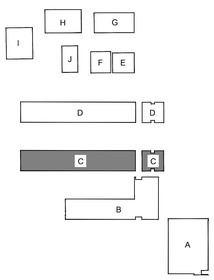
6A. NEW WALL FINISH. PRIME AND PAINT.
6B. NEW CERAMIC TILE.
6C. NEW FRL WALL PANELS.
6D. NEW COVED EPOXY BASE - SEE DETAIL 5/A640.
6E. NEW INTEGRAL COVED RESILIENT FLOORING BASE.

7. NEW CONCRETE SLAB AND EPOXY FLOORING SYSTEM INCLUDING INTEGRAL EPOXY COVED BASE. SEE SPEC 09 67 23.
8. PAINT ALL SURFACES AND NEW WORK INCLUDING WALLS, CEILINGS, WINDOW AND DOOR FRAMES, AND ASSOCIATED TRIM.
9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE OPENING SCHEDULE A710 FOR MORE INFO.
10. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 AND SEE OPENING SCHEDULE ON A710.
11. PROVIDE 24"X24" DOOR LOUVER. LOCATE LOUVER AS REQUIRED TO PROVIDE A MINIMUM OF 10" SMOOTH SURFACE ABOVE FINISHED FLOOR.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

14A. NEW PAPER TOWEL DISPENSER - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

15. NEW ELECTRIC HAND DRYER.
15A. NEW FEMININE NAPKIN DISPENSER.
16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 21/A610.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.
20. REINSTALL EXISTING DOOR AND FRAME. PROVIDE NEW EXPANSION ANCHORS.
21. NEW HI-LOW DRINKING FOUNTAIN AND GUARDRAILS. SEE DETAIL 21/A610.
22. REPAIR OR REPLACE (E) CERAMIC TILE & SUBSTRATE IN KIND THAT HAS BEEN DRILLED. CUT OR OTHERWISE DAMAGED AFTER (E) SINK OR TOILET ACCESSORY HAS BEEN REMOVED. MATCH (E) TILE TYPE(S).

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

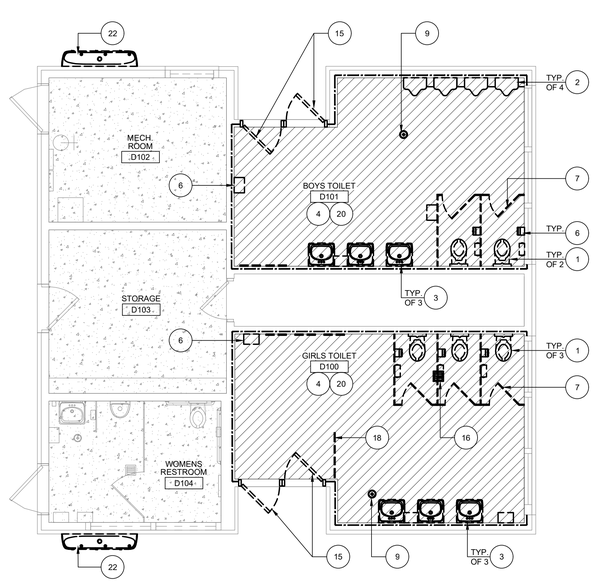
JOB NO.: Y2524.00

SHEET TITLE

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

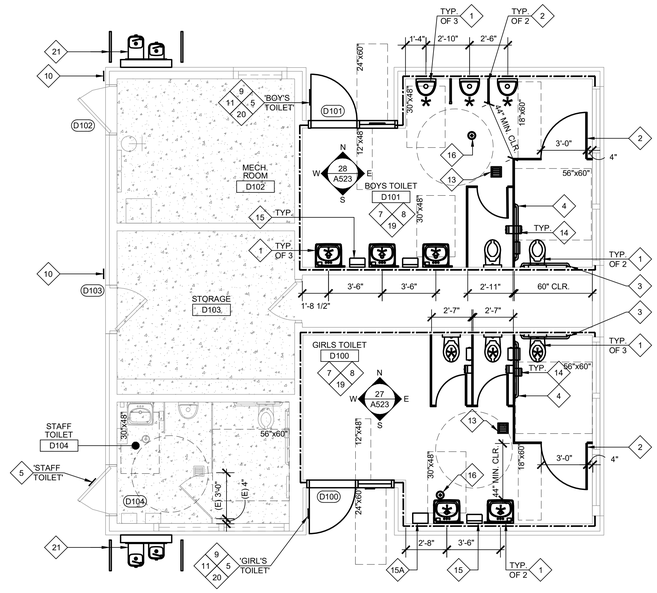
SHEET NO.

A522



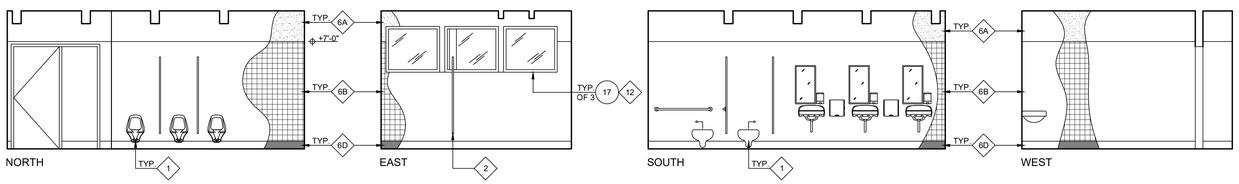
29 BUILDING D - ENLARGED DEMOLITION PLAN

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



19 BUILDING D - ENLARGED ALTERATION PLAN

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

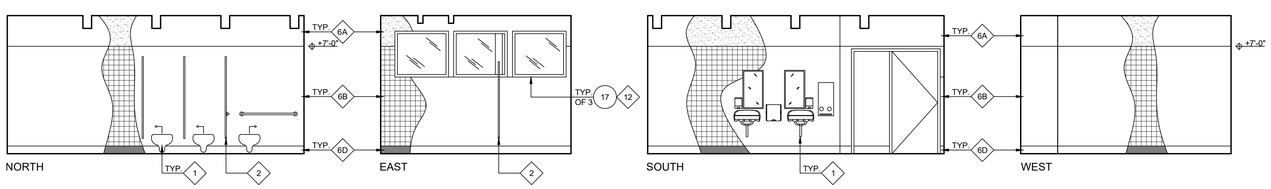


28 BUILDING D BOYS RESTROOM - INTERIOR ELEVATIONS

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

(USE ADULT MOUNTING HEIGHTS AS SCHEDULED ON A640)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.



27 BUILDING D GIRLS RESTROOM - INTERIOR ELEVATIONS

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

(USE ADULT MOUNTING HEIGHTS AS SCHEDULED ON A640)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.

GENERAL NOTES:

KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE. SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 26 & 16/A640. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A640 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERA'NG SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OR BELLIES IN PIPE, CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
20. ALL LAVATORIES AND URINALS SHALL BE LEVEL AND EQUALLY SPACED APART WITHIN THE GROUP OF FIXTURES WITH THE EXCEPTION OF THE ACCESSIBLE LAVATORY OR URINAL. CONTRACTOR SHALL RE-PIPE ALL UTILITIES AS REQUIRED TO PER ALTERATION PLAN AND INCLUDE IN BID COST TO RELOCATE EACH FIXTURE LOCATION SHOWN ON DENOTED WITH AN "*".
21. AT ALL ALL LIGHT SWITCHES, PROVIDE (N) KEYED-TYPE LIGHT SWITCH EQUAL TO LEVITION. REPLACE (E) OUTLET WITH GFI & WEATHERPROOF COVER EQUAL TO RED-DOT DRY-TITE DEVICE COVER MODEL No. CCDV, TYPICAL (1) PER TOILET ROOM.
22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

LEGEND:

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A640 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE, BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.
- * PLUMB. FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.
- GYP. BOARD FINISH
- CERAMIC WALL TILE
- EPOXY BASE

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING TOILET - REROUTE PLUMBING AND SEWER LINES AS REQUIRED FOR ALTERATION WORK. AT LINES NOT BEING USED, CUT AND CAP LINE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. DEMO EXISTING TILE FLOOR AND TILE WALL FINISH, BOARD, AND CONCRETE FLOOR SLAB IN ENTIRE ROOM DOWN TO EXISTING AGGREGATE BASE MATERIAL. WALL TO WALL AND UP TO ENTRY DOOR THRESHOLD. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630. SLOPE OF NEW CONCRETE SLAB TO DRAIN SHALL BE 0.5% MINIMUM TO 1.5% MAXIMUM AND CONFORM TO EXISTING SLAB GRADE AT ENTRY DOOR. PREP FLOOR TO RECEIVE NEW EPOXY FLOORING SYSTEM AND WALLS TO RECEIVE NEW CERAMIC TILE.

4A. DEMO PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO RELOCATE FIXTURE CONNECTION IN ROOM. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS, TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 7/A630.

5. DEMO EXISTING GRAB BARS.
6. DEMO EXISTING TOILET ROOM ACCESSORY.
7. DEMO EXISTING TOILET PARTITION SYSTEM.
8. DEMO PORTION OF EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND FRAME.
9. DEMO EXISTING FLOOR CLEAN OUT AND REPLACE WITH NEW.
10. DEMO EXISTING GLAZING FROM EXISTING FRAMES.
11. DEMO EXISTING EMBEDDED METAL ANGLE DOOR THRESHOLD AND PREP AREA FOR NEW THRESHOLD.
12. DEMO EXISTING DOOR. INFILL PREP IN EXISTING FRAME IN PREPARATION FOR NEW DOOR AND HARDWARE.
13. DEMO PORTION OF EXTERIOR BRICK WALL, CONCRETE CURB, WOOD STUD FRAMING AS REQUIRED TO PLACE NEW DOOR FRAME AS SHOWN.
14. PREP EXISTING WOOD CEILING FOR NEW PAINT. REMOVE ALL ABANDONED CONDUITS.
15. DEMO EXISTING DOOR AND DOOR FRAME.
16. DEMO EXISTING FLOOR DRAIN, P-TRAP, AND CONCRETE SLAB DUE TO GREATER THAN 2% FLOOR SLOPE. PROVIDE NEW RAISED FLOOR DRAIN, P-TRAP, AND CONCRETE WITH 2% MAXIMUM SLOPE TO DRAIN.
17. DEMO EXISTING CERAMIC TILE FROM WINDOW SILL AND PREP FOR NEW WORK.
18. DEMO PORTION OF EXISTING NON-BEARING PARTITION WALL AS REQUIRED FOR ACCESSIBLE CLEARANCES.
19. REMOVE EXISTING RESILIENT SHEET GOOD AND INTEGRAL COVED RESILIENT BASE.
20. FIRE ALARM DEVICES: DISCONNECT NOTIFICATION DEVICE. PULL BACK WIRE TO DETECTOR J-BOX AND PRESERVE FOR REINSTALL. TIE-THROUGH NAC CIRCUIT. REMOVE CONDUIT AND WALL J-BOX AND PRESERVE FOR REINSTALL.
21. REMOVE EXISTING DOOR & FRAME AND SALVAGE FOR REINSTALL. REMOVE PORTION OF NON-BEARING INFILL ABOVE DOOR FRAME AS REQUIRED TO RAISE FRAME TO MATCH NEW CONCRETE ELEVATION.
22. DEMO EXISTING DRINKING FOUNTAIN AND WALL ANCHORAGE. PATCH WALL.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW PLUMBING FIXTURE - SEE PLUMBING DRAWINGS.
2. NEW TOILET PARTITION SYSTEM. PROVIDE SOLID BACKING AT ALL ANCHORAGE WALL AND CEILING LOCATIONS PER DETAIL 17/A640. PROVIDE MANUFACTURER'S STAINLESS STEEL POST AT FREE PANEL ENDS. AT LOCATIONS WHERE PARTITION OCCURS AT WINDOW, PROVIDE BACKING PER DETAIL 1/A640.
3. NEW 42" GRAB BAR - SEE DETAIL 26/A640 FOR MOUNTING.
4. NEW 48" GRAB BAR - SEE DETAIL 26/A640FOR MOUNTING.
5. ON INTERIOR FACE OF DOOR AT 5'-0" A.F.F., PROVIDE 3" HIGH, WHITE PAINTED TEXT TO READ, "TEXT AS NOTED ON PLAN KEYNOTE". ON EXTERIOR FACE, PROVIDE ACCESSIBLE SIGNAGE PACKAGE PER DETAIL 6/A641.

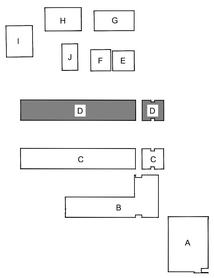
6A. NEW WALL FINISH. PRIME AND PAINT.
6B. NEW CERAMIC TILE.
6C. NEW FRL WALL PANELS.
6D. NEW COVED EPOXY BASE - SEE DETAIL 5/A640.
6E. NEW INTEGRAL COVED RESILIENT FLOORING BASE.

7. NEW CONCRETE SLAB AND EPOXY FLOORING SYSTEM INCLUDING INTEGRAL EPOXY COVED BASE. SEE SPEC 09 67 23.
8. PAINT ALL SURFACES AND NEW WORK INCLUDING WALLS, CEILINGS, WINDOW AND DOOR FRAMES, AND ASSOCIATED TRIM.
9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE OPENING SCHEDULE A710 FOR MORE INFO.
10. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL 8/A641 AND SEE OPENING SCHEDULE ON A710.
11. PROVIDE 24"X24" DOOR LOUVER. LOCATE LOUVER AS REQUIRED TO PROVIDE A MINIMUM OF 10" SMOOTH SURFACE ABOVE FINISHED FLOOR.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

14A. NEW PAPER TOWEL DISPENSER - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 11/A640 FOR MOUNTING HEIGHTS.

15. NEW ELECTRIC HAND DRYER. 15A NEW FEMININE NAPKIN DISPENSER.
16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 21/A610.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.
20. REINSTALL EXISTING DOOR AND FRAME. PROVIDE NEW EXPANSION ANCHORS.
21. NEW HI-LOW DRINKING FOUNTAIN AND GUARDRAILS. SEE DETAIL 21/A610.
22. REPAIR OR REPLACE (E) CERAMIC TILE & SUBSTRATE IN KIND THAT HAS BEEN DRILLED, CUT OR OTHERWISE DAMAGED AFTER (E) SINK OR TOILET ACCESSORY HAS BEEN REMOVED. MATCH (E) TILE TYPE(S).

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

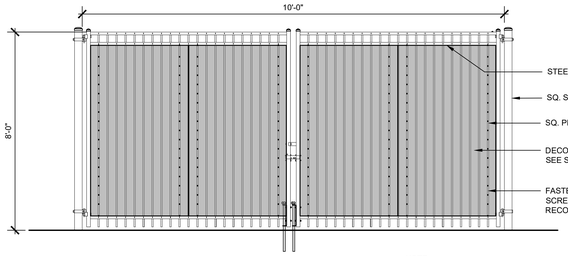
JOB NO.: Y2524.00

SHEET TITLE

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

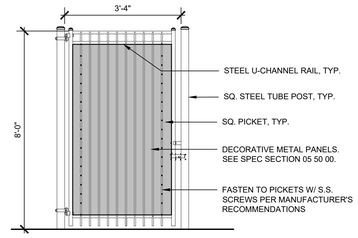
SHEET NO.

A523



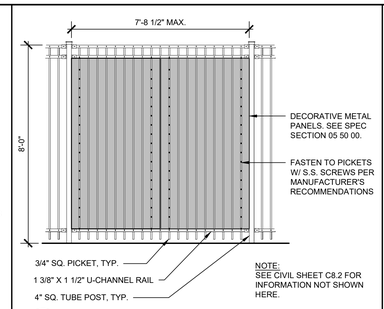
NOTE:
SEE CIVIL SHEET C8.2 FOR INFORMATION NOT SHOWN HERE.

30 MAINTENANCE GATE - PAIR
SCALE: N.T.S.



NOTE:
SEE CIVIL SHEET C8.2 FOR INFORMATION NOT SHOWN HERE.

19 MAINTENANCE GATE - SINGLE
SCALE: N.T.S.



NOTE:
SEE CIVIL SHEET C8.2 FOR INFORMATION NOT SHOWN HERE.

29 FENCE SECTION ELEVATION
SCALE: N.T.S.

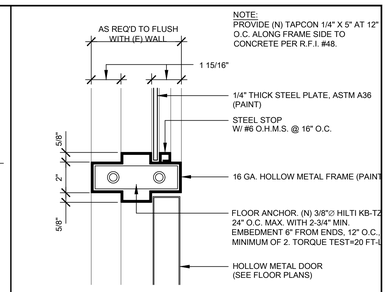
GATE GENERAL NOTES:

ALL GATES IN THE ACCESSIBLE PATH OF TRAVEL SHALL:

- PROVIDE 32" MINIMUM CLEAR ACCESS.
- BE PROVIDED WITH LEVER TYPE OR PANIC BAR LOCKS & LATCHES AND REQUIRE A MAXIMUM OF 5# OF FORCE TO ACTIVATE.
- BE PUSHED OR PULLED OPEN WITH A MAXIMUM FORCE OF 5# (11B-404.9).
- HAVE MAXIMUM THRESHOLD HEIGHT OF 1/2" WITH 1/4" MAXIMUM. VERTICAL RISE WITH REMAINDER BEVELED AT 2:1.
- HAVE A MANEUVERING CLEARANCE ON EACH SIDE WITH MAX SLOPE OF 1:48. CLEARANCE SHALL EXTEND 5FT. PERPENDICULAR TO THE FULL WIDTH OF THE CLOSED GATE AND 24" BEYOND THE LATCH ON THE PULL SIDE, AND 4FT. THE FULL WIDTH AND PERPENDICULAR TO THE PUSH SIDE.

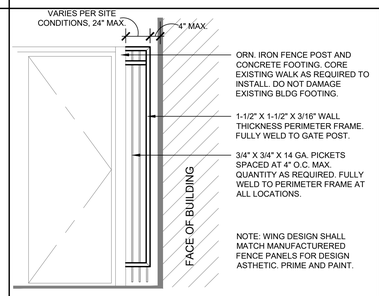
GATE NUMBER	NOMINAL GATE SIZE	MATERIAL	FINISH	HARDWARE GROUP (SEE SPECS)	DETAIL
G01	3'-4" X 7'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	5/C8.2
G02	PR. 5'-0" X 7'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	2/C8.2
G03	3'-4" X 7'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	5/C8.2
G04	PR. 3'-6" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S02 SEE 08 71 00	4/C8.2
G05	PR. 4'-0" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	2/C8.2
G06	PR. 4'-0" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	2/C8.2
G07	PR. 5'-0" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	2/C8.2
G08	3'-4" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	7/C8.2
G09	5'-0" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	2/C8.2

9 GATE SCHEDULE
SCALE: N.T.S.

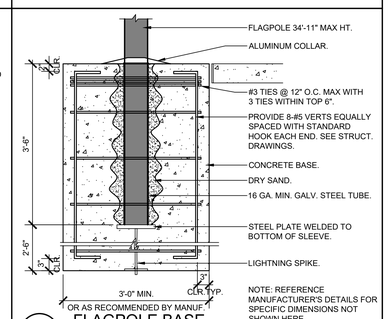


NOTE:
PROVIDE (N) TAPCON 1/4" X 5" AT 12" O.C. ALONG FRAME SIDE TO CONCRETE PER R.F.I. #48.

5 MULLION/SIDE PANEL
SCALE: 3" = 1'-0"



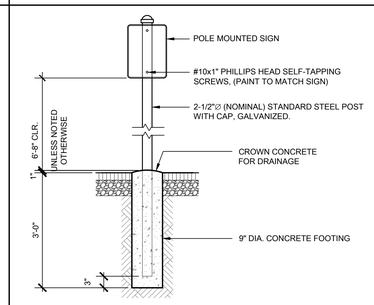
19 FENCE END CLOSURE "WING"
SCALE: 1/2" = 1'-0"



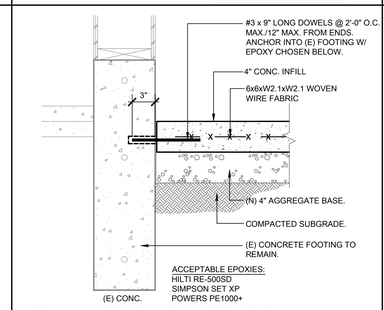
NOTE: REFERENCE MANUFACTURER'S DETAILS FOR SPECIFIC DIMENSIONS NOT SHOWN HERE.

14 FLAGPOLE BASE
SCALE: 3/4" = 1'-0"

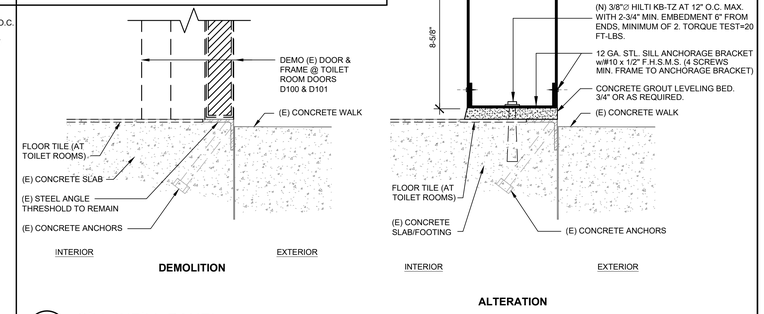
THIS DETAIL IS NOT PART OF DSA/SSS REVIEW AND APPROVAL



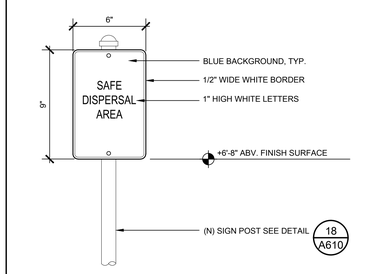
18 SIGNPOST
SCALE: N.T.S.



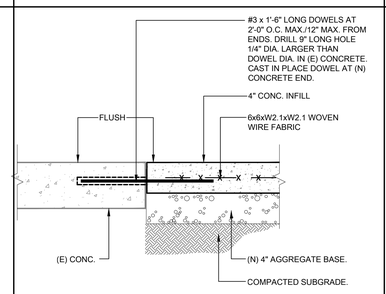
13 (N) CONC. TO (E) CONC. CURB
1-1/2" = 1'-0"



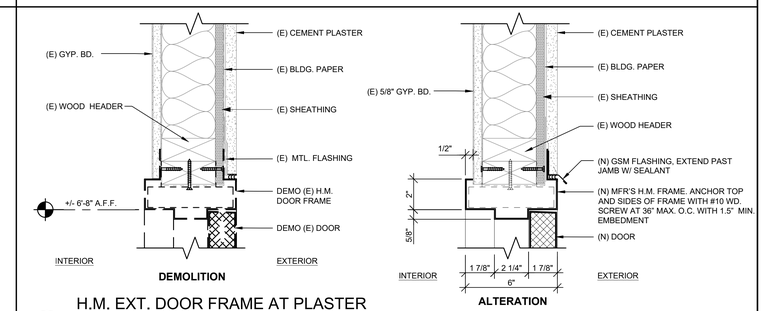
8 SILL/INFILL PANEL
SCALE: 3" = 1'-0"



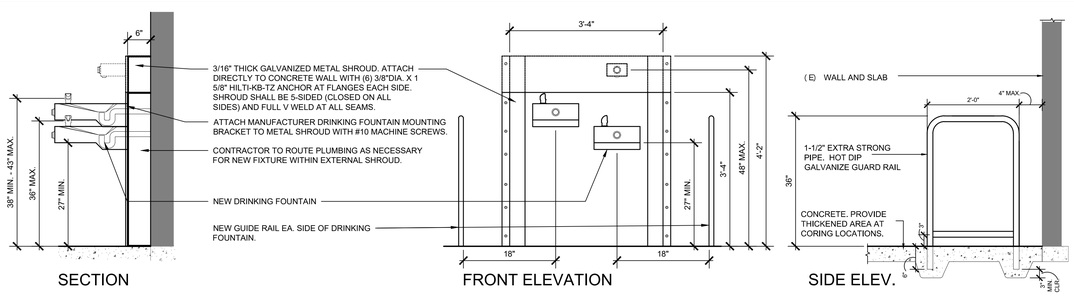
17 SAFE DISPERSAL AREA SIGN
SCALE: N.T.S.



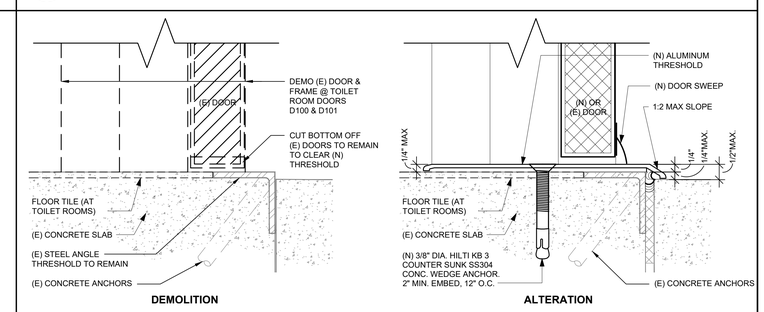
12 (N) CONC. TO (E) CONC. SLAB
1-1/2" = 1'-0"



7 H.M. EXT. DOOR FRAME AT PLASTER HEAD/JAMB SIM.
SCALE: 3" = 1'-0"



21 NEW DRINKING FOUNTAIN DETAIL
SCALE: 3/4" = 1'-0"



1 EXTERIOR DOOR THRESHOLD
SCALE: 6" = 1'-0"

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

INCREMENT NO. 1

AGENCY APPROVAL — DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

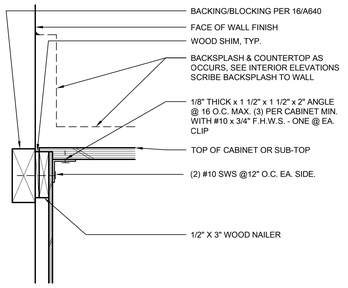
REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00

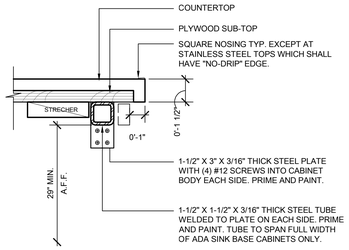
SHEET TITLE
EXTERIOR & SITE DETAILS

SHEET NO.
A610



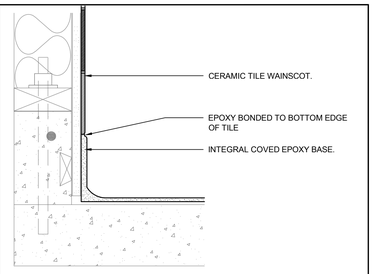
15 BASE/WALL PLAM CABINET ANCHOR

SCALE: 3" = 1'-0"



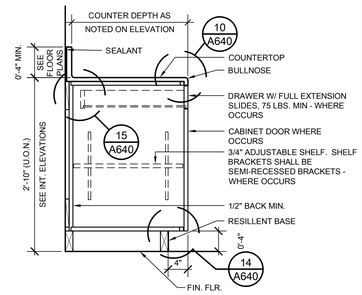
10 BASE CABINET FRONT EDGE AT ACCESSIBLE SINK

SCALE: 3" = 1'-0"



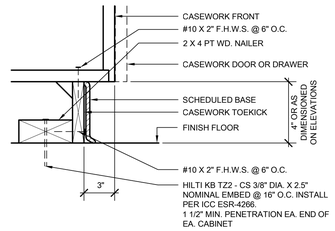
5 INTEGRAL COVED BASE

SCALE: 3" = 1'-0"



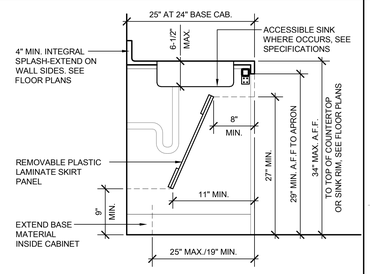
19 BASE CABINET

SCALE: 1" = 1'-0"



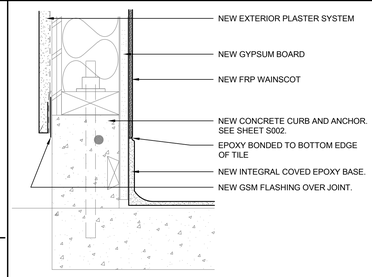
14 PLAM BASE CABINET ANCHOR AT TOE KICK

SCALE: 3" = 1'-0"



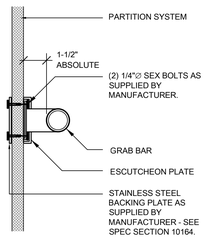
9 KNEE SPACE CLEARANCES AT SINKS AND WORKSTATIONS

SCALE: N.T.S.

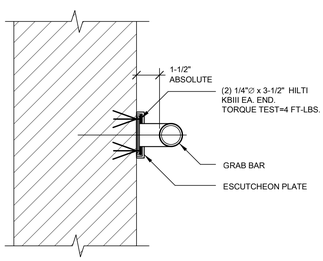


4 EXTERIOR WALL INFILL AT TOILET

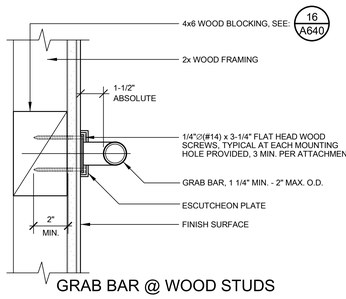
SCALE: 3" = 1'-0"



GRAB BAR @ PARTITION



GRAB BAR @ C.M.U



GRAB BAR @ WOOD STUDS

26 GRAB BAR MOUNTING

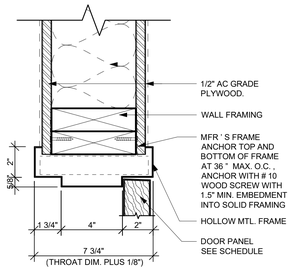
SCALE: 3" = 1'-0"

SHALL SUPPORT 250 LBS.

1. CONTRACTOR TO COORDINATE ALL FRAME THROAT DIMENSIONS WITH PARTITION TYPES SHOWN ON FLOOR PLANS.
2. COORDINATE WITH STRUCTURAL DWGS. FOR ALL HEAD, JAMB & SILL FRAMING REQUIREMENTS.
3. CONTRACTOR TO COORDINATE FLASHING WITH DETAILS ON THIS SHEET AND EXTERIOR FINISH SYSTEMS PER EXTERIOR ELEVATIONS. FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS AND BEST PRACTICE GUIDELINES.
4. SET ALL G.S.M. FLASHING COMPONENTS IN FULL BED OF SEALANT BEFORE BEFORE INSTALLATION.
5. PAINT ALL EXPOSED G.S.M. FLASHING AND STRUCTURAL STEEL AT DOOR & WINDOW OPENINGS.
6. CONTRACTOR TO COORDINATE FLASHING LENGTHS TO PROVIDE CLEAN, TIGHT FINISH.

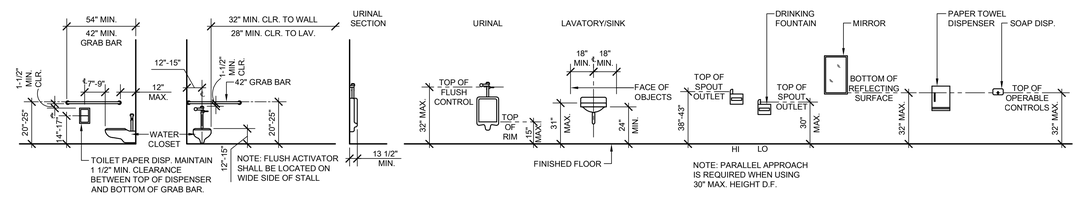
23 GENERAL SHEET NOTES

SCALE: N.T.S



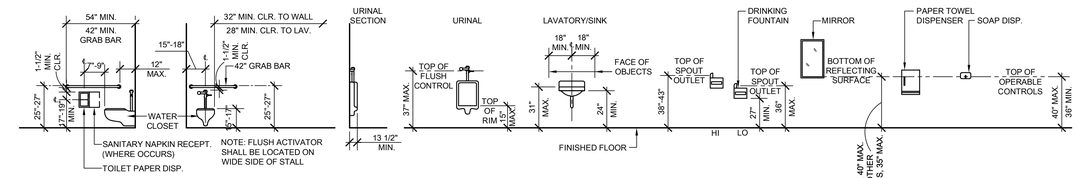
18 H.M. INT. DOOR FRAME - HEAD/JAMB SIM.

SCALE: 3" = 1'-0"



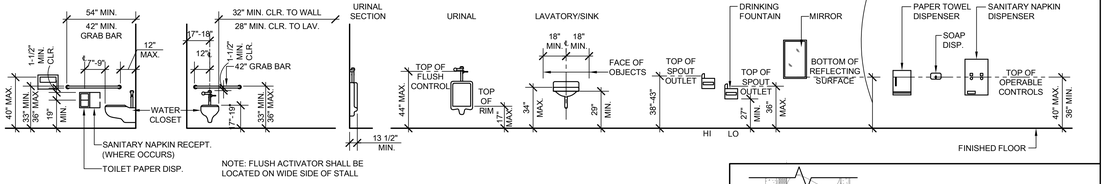
AGES 5-8 ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



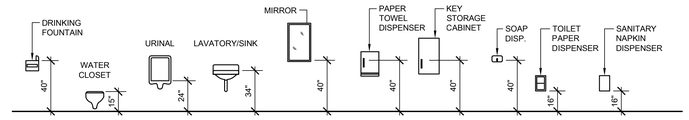
AGES 9-12 ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



ADULT ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



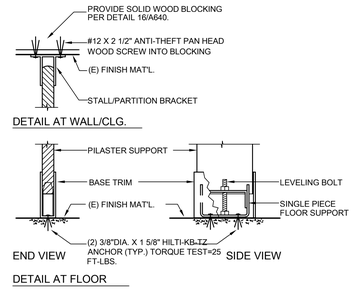
STANDARD FIXTURE & ACCESSORY HEIGHTS

11 MOUNTING HEIGHTS

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

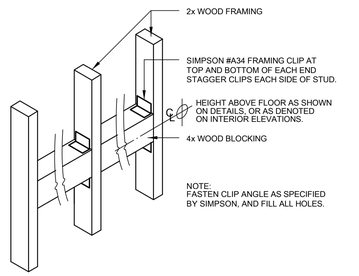
21 TILE ACCENT BAND

SCALE: 1" = 1'-0"



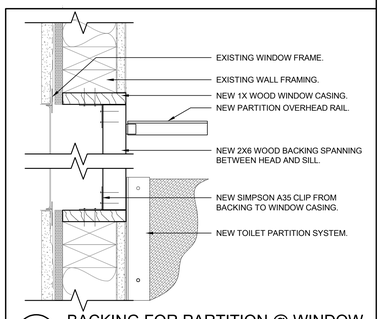
17 TOILET PARTITION ANCHORAGE

1 1/2" = 1'



16 WOOD BACKING

NOT TO SCALE



1 BACKING FOR PARTITION @ WINDOW

SCALE: 3" = 1'-0"

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

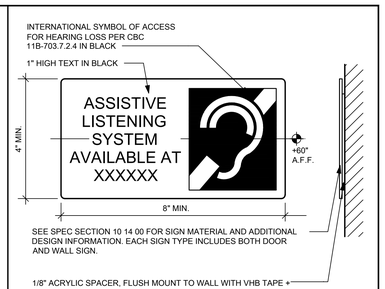
SHEET TITLE

INTERIOR DETAILS

SHEET NO.

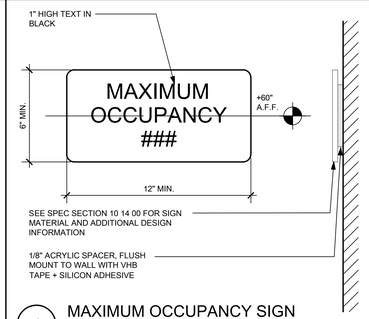
A640

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



5 ASSISTIVE LISTENING SIGN

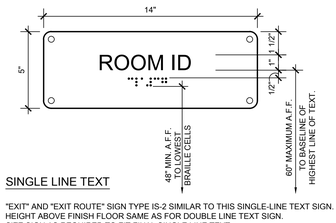
SCALE: 1 1/2" = 1'-0"



4 MAXIMUM OCCUPANCY SIGN

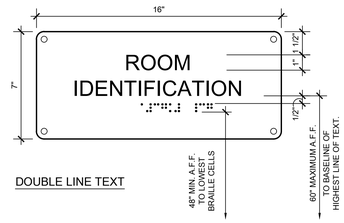
SCALE: 3" = 1'-0"

1" UPPER & LOWER CASE TEXT TO IDENTIFY UNIQUE DOOR CONDITION - SEE FLOOR PLAN OR DOOR SCHEDULE (ACTUAL TEXT TO BE DETERMINED AT TIME OF SUBMITTAL)



SINGLE LINE TEXT

1" UPPER & LOWER CASE TEXT TO IDENTIFY UNIQUE DOOR CONDITION - SEE FLOOR PLAN OR DOOR SCHEDULE (ACTUAL TEXT TO BE DETERMINED AT TIME OF SUBMITTAL)



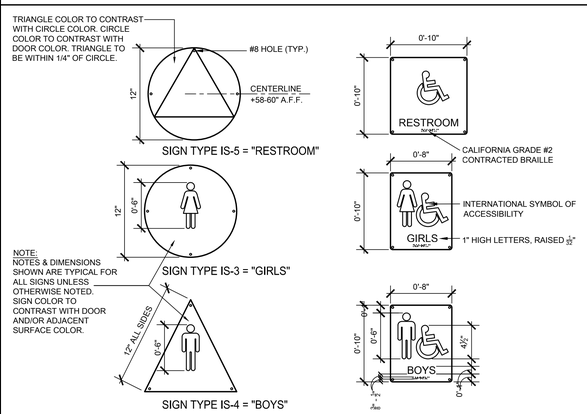
DOUBLE LINE TEXT

"EXIT" AND "EXIT ROUTE" SIGN TYPE IS-2 SIMILAR TO THIS SINGLE-LINE TEXT SIGN. HEIGHT ABOVE FINISH FLOOR SAME AS FOR DOUBLE LINE TEXT SIGN. SIZE SIGN AS REQUIRED TO FIT FINAL SINGLE LINE TEXT.

SEE SPEC SECTION 10 14 00 FOR SIGN MATERIAL AND ADDITIONAL DESIGN INFORMATION

8 ROOM ID SIGN

SCALE: 3" = 1'-0"



DOOR & WALL PLAQUE PLACEMENT

SEE SPEC SECTION 10 14 00 FOR SIGN MATERIAL AND ADDITIONAL DESIGN INFORMATION. EACH SIGN TYPE INCLUDES BOTH DOOR AND WALL SIGN.

6 ACCESSIBLE RESTROOM SIGN TYPES IS-3, IS-4 & IS-5

SCALE: N.T.S.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

INTERIOR DETAILS

SHEET NO.

A641

DOOR SCHEDULE NOTES

REMARK NOTES

FOR SIGN TYPE DETAILS AND ADDITIONAL INFORMATION SEE SPEC. SECTION 10 14 00 AND DETAILS ON SHEET A501. FOR ADDITIONAL SIGNS NOT SCHEDULED ON THESE DOOR SCHEDULE, SEE KEYNOTES ON FLOOR PLANS, EXTERIOR ELEVATIONS, INTERIOR ELEVATIONS AND BUILDING SECTIONS.

IS-1 ROOM IDENTIFICATION SIGN
IS-2 EXIT SIGN
IS-2A EXIT ROUTE SIGN
IS-3 GIRLS RESTROOM SIGN GROUP
IS-4 BOYS RESTROOM SIGN GROUP
IS-5 GENDER NEUTRAL RESTROOM SIGN GROUP
IS-8 ACCESSIBLE ENTRANCE DECAL
IS-10 NOT AN EXIT SIGN

R-1 1 $\frac{1}{2}$ HR FIRE RATING.

R-2 REMOVE KICK-DOWN STOP.

R-3 REMOVE THROUGH BOLT HOLD-OPEN AND REPLACE WITH NEW.

R-4 REMOVE EXISTING WEATHER STRIPPING PRIOR TO PREPPING DOOR FOR PAINT. AFTER REPAINTING FRAME, INSTALL NEW WEATHER STRIPPING ON ALL THREE SIDES OF FRAME. PROVIDE NEW DOOR SWEEP. REMOVE EXISTING GROUND-MOUNTED DOOR HOLDER FROM DOOR AND FLATWORK PRIOR TO REPLACEMENT OF CONCRETE FLATWORK. AFTER REPAINTING DOOR, PROVIDE NEW FLOOR DOOR HOLDER. REMOVE EXISTING THRESHOLD AND REPLACE WITH NEW. REMOVE DOOR AND CUT BOTTOM AS REQUIRED FOR NEW FLATWORK ELEVATION AND THRESHOLD.

DOOR GENERAL NOTES:

1. DOOR DIMENSIONS MAY VARY SLIGHTLY. DIMENSIONS SHOWN ARE APPROXIMATE AND FOR ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DOOR AND FRAME DIMENSIONS, AND CONDITIONS, PRIOR TO MANUFACTURING AND INSTALLATION.

2. NEW DOORS SHALL HAVE 1/4" MINIMUM UNDERCUT ABOVE SILL SURFACE MATERIAL AT ALL EXTERIOR DOORS. THIS SHALL BE MEASURED FROM THE EXTERIOR FINISH SURFACE.

3. ALL DOORS IN THE ACCESSIBLE PATH OF TRAVEL SHALL:
   - PROVIDE 32" MINIMUM CLEAR WIDTH ACCESS.
   - BE PROVIDED WITH LEVER-TYPE OR PANIC BAR LOCKS & LATCHES.
   - BE OPERATED WITH A MAXIMUM FORCE OF 5# INTERIOR AND 5# EXTERIOR.
   - HAVE A MAXIMUM THRESHOLD HEIGHT OF $\frac{1}{2}$" WITH MAXIMUM $\frac{1}{4}$" VERTICAL RISE WITH REMAINDER BEVELED AT MAXIMUM 1:2.

4. ALL EXTERIOR CLASSROOM DOORS WITHOUT A VISION PANEL SHALL HAVE A PEEPHOLE INSTALLED BY CONTRACTOR.

5. ALL DOORS SHALL BE OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.

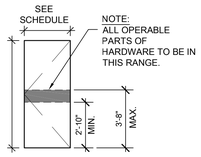
6. DOORS TO ALL CLASSROOMS AND TO ANY OTHER ROOM WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL INCLUDE LOCKS THAT ALLOW DOORS TO BE LOCKED FROM THE INSIDE IN ACCORDANCE WITH CBC 1010.1.11

7. PAINT ALL (E) EXTERIOR AND INTERIOR DOORS AND FRAMES.

DOOR SCHEDULE LEGEND

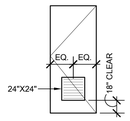
MATERIAL TYPE	FINISH TYPE	GLAZING TYPE
W WOOD M HOLLOW METAL A ALUMINUM STOREFRONT	S STAIN/SEALER P PAINT F FACTORY FINISH	1. SEE SPEC SECTION 08 80 00 FOR GLAZING TYPES IDENTIFIED IN THESE SCHEDULES.

DOOR TYPES



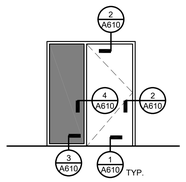
A

VENT LOUVERS



L1 NON-RATED LOUVER

OPENING TYPES



FRAME: ALUMINUM
GLAZING TYPE: SOLID PANEL

OPENINGS D100 & D101
SCALE: 1/4" = 1'-0"

BUILDING B -- DOOR SCHEDULE

ALL DOORS AND/OR ELEMENTS SHOWN IN GREY ARE EXISTING TO REMAIN.

DOOR NO.	DOOR						HDWR. GROUP	FRAME		DETAILS				REMARKS
	NOMINAL DOOR SIZE	TYPE	MAT	FIN	GLASS	LOUVER		MAT	FIN	HEAD	JAMB	JAMB	SILL	
B100	PR 3'-0" x 7'-0"	EXT.	A	FF	YES	-	-	M	P	-	-	-	-	R-4
B101	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B102A	3'-0" x 6'-8"	EXT.	-	P	-	-	-	-	P	-	-	-	-	R-4
B102B	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B104A	PR 2'-6" x 7'-0"	EXT.	W	P	YES	-	-	M	P	-	-	-	-	R-4
B104B	3'-4" x 6'-8"	EXT.	W	P	30" X 35"	-	-	M	P	-	-	-	-	
B105	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B106A	2'-8" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
B106B	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B107	3'-0" x 6'-8"		-	-	-	-	-	-	-	-	-	-	-	
B108	2'-8" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
B109	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B110	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B111	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B112A	3'-4" x 6'-8"	EXT.	-	-	30" X 35"	-	-	-	-	-	-	-	-	R-4
B112B	3'-4" x 6'-8"	EXT.	W	P	30" X 35"	-	-	M	P	-	-	-	-	R-4
B112C	3'-0" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B113	2'-8" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
B114	2'-8" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
B115A	3'-4" x 6'-8"	EXT.	W	P	30" X 35"	-	-	M	P	-	-	-	-	R-4
B115B	3'-4" x 6'-8"	EXT.	W	P	30" X 35"	-	-	M	P	-	-	-	-	R-4
B115C	3'-0" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B116	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	
B117	2'-8" x 6'-8"	INT.	W	P	-	-	-	M	P	-	-	-	-	

BUILDING C -- DOOR SCHEDULE

ALL DOORS AND/OR ELEMENTS SHOWN IN GREY ARE EXISTING TO REMAIN.

DOOR NO.	DOOR						HDWR. GROUP	FRAME		DETAILS				REMARKS
	NOMINAL DOOR SIZE	TYPE	MAT	FIN	GLASS	LOUVER		MAT	FIN	HEAD	JAMB	JAMB	SILL	
C100	3'-6" x 6'-8"	EXT.	M	P	-	-	-	M	P	-	-	-	-	R-3, R-4
C101	3'-6" x 6'-8"	EXT.	M	P	-	-	-	M	P	-	-	-	-	R-3, R-4
C102	3'-0" x 6'-8"	EXT.	M	P	-	-	-	M	P	-	-	-	-	R-4
C103A	3'-0" x 6'-8"	EXT.	W	P	-	-	-	M	P	-	-	-	-	R-4
C103B	1'-5" x 5'-0"	INT.	W	P	-	-	-	M	P					
C104A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-4
C104B	3'-4" x 6'-8"	EXT.	W	P	27" X 34"	-	-	M	P	-	-	-	-	R-4
C104C	3'-0" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
C105A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-4
C105B	3'-4" x 6'-8"	EXT.	W	P	27" X 34"	-	-	-	-	-	-	-	-	R-4
C105C	3'-0" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	R-4
C106A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-4
C106B	3'-4" x 6'-8"	EXT.	W	P	27" X 34"	-	-	M	P	-	-	-	-	R-4
C106C	3'-0" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	R-4
C107A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-4
C107B	3'-4" x 6'-8"	EXT.	W	P	27" X 34"	-	-	M	P	-	-	-	-	R-4
C107C	3'-0" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	
C108A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-2, R-4
C108B	3'-4" x 6'-8"	EXT.	W	P	27" X 34"	-	-	M	P	-	-	-	-	R-4
C108C	3'-0" x 6'-8"	INT.	-	-	-	-	-	-	-	-	-	-	-	

BUILDING D -- DOOR SCHEDULE

ALL DOORS AND/OR ELEMENTS SHOWN IN GREY ARE EXISTING TO REMAIN

DOOR NO.	DOOR						HDWR. GROUP	FRAME		DETAILS				REMARKS
	NOMINAL DOOR SIZE	INT./EXT.	MAT	FIN	GLASS	LOUVER		MAT	FIN	HEAD	JAMB	JAMB	SILL	
D100	(N) 3'-6" x 6'-8"	EXT.	W	P	1/4FT	L1	E01	(N) M	P	22/A610	22/A610	22/A610	21/A610	
D101	(N) 3'-6" x 6'-8"	EXT.	W	P	1/4FT	L1	E01	(N) M	P	22/A610	22/A610	22/A610	21/A610	
D102	3'-0" x 6'-8"	INT.	M	P	-	24" X 18"	-	M	P	-	-	-	-	
D103A	3'-0" x 6'-8"	EXT.	W	P	-	-	-	M	P	-	-	-	-	
D103B	1'-5" x 5'-0"	INT.	W	P	-	-	-	M	P	-	-	-	-	
D104	3'-0" x 6'-8"	EXT.	M	P	-	24" X 18"	-	M	P	-	-	-	-	R-4
D105A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P	-	-	-	-	R-4
D105B	3'-4" x 6'-8"	EXT.	W	P	-	-	-	M	P	-	-	-	-	R-4
D105C	3'-0" x 6'-8"	INT.	-	-	-	28" X 36"	-	-	-	-	-	-	-	
D106A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P					R-4
D106B	3'-4" x 6'-8"	EXT.	W	P	-	-	-	M	P					R-4
D106C	3'-0" x 6'-8"	INT.	-	-	-	28" X 36"	-	-	-					
D107A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P					R-4
D107B	3'-4" x 6'-8"	EXT.	W	P	-	-	-	M	P					R-4
D107C	3'-0" x 6'-8"	INT.	-	-	-	28" X 36"	-	-	-					
D108A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P					R-4
D108B	3'-4" x 6'-8"	EXT.	W	P	-	-	-	M	P					R-4
D108C	3'-0" x 6'-8"	INT.	-	-	-	28" X 36"	-	-	-					
D109A	3'-4" x 6'-8"	EXT.	W	P	12" X 14"	-	-	M	P					R-4
D109B	3'-4" x 6'-8"	EXT.	W	P	-	-	-	M	P					R-4
D109C	3'-0" x 6'-8"	INT.				28" X 36"								

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
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916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

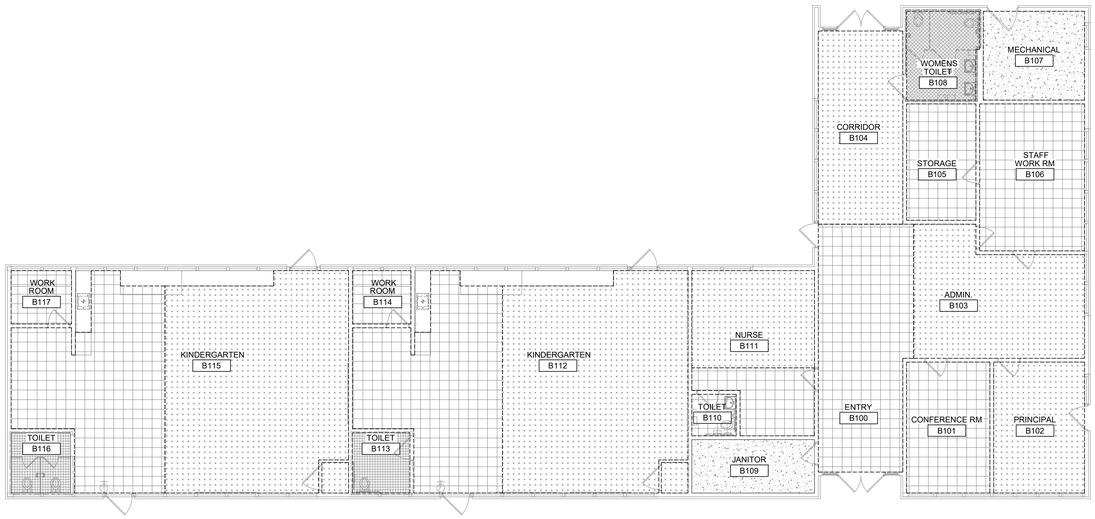
NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE

OPENING SCHEDULE

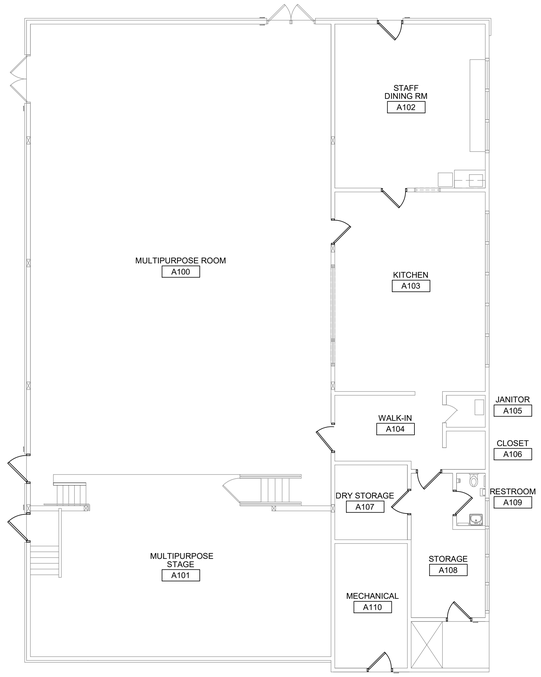
SHEET NO.

A710



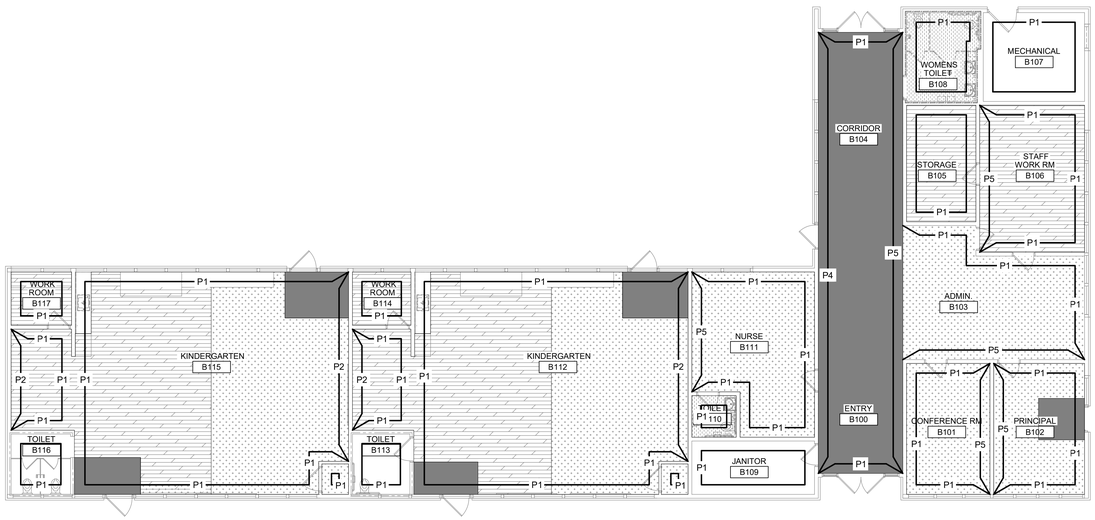
29 BUILDING B FINISH PLAN - DEMOLITION

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



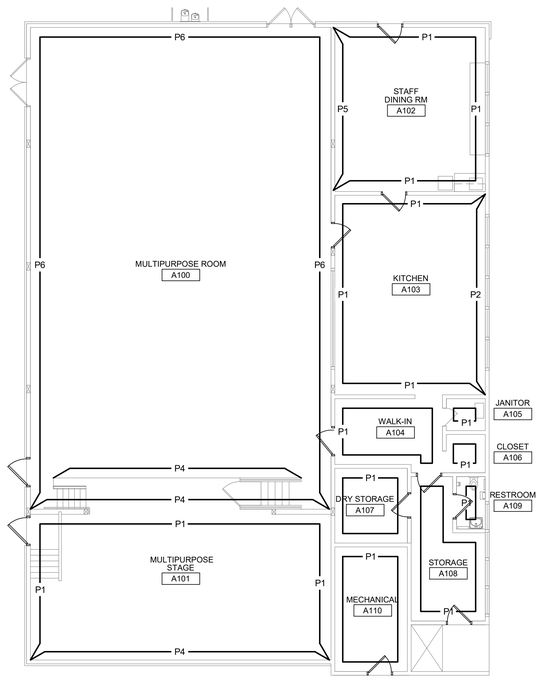
13 BUILDING A FINISH PLAN - DEMOLITION

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



26 BUILDING B FINISH PLAN - NEW WORK

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



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

GENERAL NOTES:

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CONTRACTOR SHALL READ AND UNDERSTAND THESE SCOPE ITEMS VERY CAREFULLY. SCOPE INDICATED HERE SHALL BE CONSIDERED TYPICAL FOR ALL AREAS OF THIS PROJECT UNLESS SPECIFICALLY INDICATED OTHERWISE IN THESE DRAWINGS. ALL SCOPE ITEMS INDICATED HERE MAY NOT BE NOTED WITHIN THESE DRAWINGS. CONTRACTOR SHALL CONSIDER THIS SCOPE AS TYPICAL IF SPECIFICALLY NOTED OR NOT. THESE DRAWINGS ARE TO PROVIDE THE CONTRACTOR WITH ONLY A GENERAL REPRESENTATION OF EXISTING BUILDING CONDITIONS. ALL MISCELLANEOUS SCOPE ITEMS AND FIELD CONDITIONS CANNOT BE COMPLETELY DOCUMENTED. CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGH SURVEYING SITE AND BUILDING INTERIORS PRIOR TO BID AND PRESENTING ANY CLARIFICATION QUESTIONS TO THE ARCHITECT PRIOR TO BID.

PAINT SCOPE INCLUDES, BUT IS NOT LIMITED TO:

1. PRIME AND PREPARE ALL SURFACES, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE. SCRAPE AND SAND LOOSE ANY PEELING PAINT FOLLOWING ABATEMENT REQUIREMENTS FOR LEAD-CONTAINING MATERIALS. POWER WASH ALL SURFACES TO BE PAINTED OR CLEANED. SEE SPECIFICATION SECTIONS FOR ADDITIONAL PREPARATION INFORMATION.

2. PAINT ALL EXISTING PAINTED EXTERIOR AND INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTION 09 91 00):

   WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   WALL LOUVERS
   FASCIAS
   GUTTERS AND DOWNSPOUTS
   CAP & EDGE FLASHINGS
   CANOPIES INCLUDING UNDERSIDES
   EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   WINDOW FRAMES (IF PREVIOUSLY PAINTED)
   INTERIOR & EXTERIOR SURFACES OF DOORS AND DOOR FRAMES
   DOOR MULLIONS AT PAIR DOORS
   PAINTED INFILL PANELS AT WINDOW LOCATIONS
   MISCELLANEOUS TRIM AND MOLDINGS
   PAINTED ORNAMENTAL IRON FENCING AND GATES
   PAINTED PLANTERS, RETAINING AND SITE WALLS
   PAINTED WOODEN BENCHES AND TABLES
   RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   RELOCATABLE BUILDING RAMP, BUILDING SKIRTS & HANDRAILS
   HANDRAILS, GUARD RAILS, BARRICADE RAILS & FENCING
   ROOF TOP GAS PIPING (YELLOW STRIPES ONLY)
   NEW HARDCOURT STRIPING AT AC PAVING
   BASKETBALL, VOLLEYBALL, AND OTHER OUTDOOR EQUIPMENT POSTS
   EXPOSED TO VIEW AND IDENTIFIED ON THESE DRAWINGS
   OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS

3. DO NOT PAINT MISC. OUT BUILDINGS, "TUFF SHEDS", STEEL "CONEX" CONTAINERS AND OTHER STORAGE BUILDINGS, U.O.N.

4. ALL NATURAL COLOR, UNPAINTED BRICK, CONCRETE MASONRY AND EXPOSED AGGREGATE PRECAST CONCRETE PANELS TO BE THOROUGHLY POWER WASHED AND CLEANED.

5. REMOVE ALL LOOSE GLAZING PUTTY FOLLOWING ABATEMENT REQUIREMENTS FOR ASBESTOS CONTAINING MATERIALS PRO- VIDED IN THE SPECIFICATIONS. RE-GLAZE ALL AREAS OF CRACKED AND MISSING OR REMOVED GLAZING PUTTY WITH NEW MATERIAL. ONLY WORK ASSOCIATED WITH GLAZING PUTTY ABATEMENT, REPAIR AND REPLACEMENT SHALL BE ATTRIBUTED TO THE ALLOWANCE. ALL OTHER PREPARATION WORK SHALL BE CONSIDERED PART OF THE GENERAL SCOPE OF WORK AND COVERED IN THE BASE BID.

6. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR UNLESS OTHERWISE INDICATED.

7. REMOVE, PREP, PAINT AND REINSTALL ALL EXTERIOR METAL MESH SECURITY SCREENS AND ANY INTERIOR SECURITY SCREENS VISIBLE FROM THE EXTERIOR.

8. REMOVE AND REINSTALL ALL DIRECTIONAL SIGNAGE, ACCESSIBILITY SIGNAGE, REGULATION SIGNAGE UNLESS INDICATED TO BE REMOVED AND DISCARDED. AT ALL ROOM ID SIGNS, REMOVE SIGN, PATCH WALL FINISH, AND PROVIDE NEW ROOM ID SIGN AT ALL CLASSROOMS, BUILDING ENTRANCES, MULTI-FUNCTION SPACES, TOILET ROOMS, CUSTODIAL, ETC.

9. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS UNLESS OTHERWISE INDICATED, INCLUDING; HVAC UNITS ON THE BACK OF RELOCATABLE BUILDINGS, FIRE ALARM STROBE/HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.

10. PROVIDE ACCOMMODATIONS FOR CANOPY SUPPORT STRUCTURE TO BE PAINTED IN A DIFFERENT "ACCENT" COLOR FROM UNDERSIDE SURFACES.

11. REMOVE ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH, PRIME AND PAINT. REPLACE WITH NEW SIGNAGE AT ALL LOCATIONS WHERE IT WAS REMOVED.

12. COLOR SELECTIONS SHALL BE MADE BY ARCHITECT AND OWNER AT TIME OF SUBMITTAL.

13. CAREFULLY MASK ALL DOOR HARDWARE TO AVOID ANY AND ALL PAINT FROM CONTACTING HARD- WARE FINISHES. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM CONTINUOUS HINGES AT DOORS.

14. CONTRACTOR SHALL REMOVE (E) SURFACE APPLIED WEATHER STRIPPING FROM ALL METAL/WOOD DOOR FRAMES TO BE PAINTED PRIOR TO PREP WORK. CONTRACTOR SHALL INSTALL NEW PEMKO 297APK WEATHER STRIPPING AT JAMBS AND HEAD OF ALL EXTERIOR DOORS.

15. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.

16. REMOVE ALL CURTAINS, WINDOW BLINDS, AND WINDOW SHADES TO PERFORM PAINT WORK. REINSTALL EXISTING UNLESS OTHERWISE NOTED. REPAIR DAMAGED OR TORN CURTAINS AND RESEW FRAYED EDGES. REPLACE ALL BROKEN CURTAIN HANGERS. PROVIDE ALLOWANCE FOR (8) NEW CURTAIN HANGERS PER ROOM.

17. MASK AND PROTECT EXISTING MARKER BOARDS TO REMAIN DURING ALTERATION WORK.

18. NEW FLOORING MATERIALS SHALL EXTEND INTO ACCESSIBLE KNEE CLEARANCES AT ALL SINK BASE CABINETS.

19. AT ALL PREVIOUSLY PAINTED BUILT-IN CASEWORK, REMOVE EXISTING NON-FIXED SHELVES PRIOR TO PAINTING. REINSTALL SHELVES AFTER PAINTING CABINET BODY.

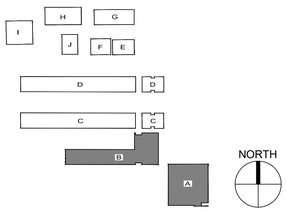
20. PAINT ALL DOWNSPOUTS AGAINST BUILDING TO MATCH ADJACENT SURFACE COLOR UNLESS OTHERWISE INDICATED.

LEGEND:

- DEMO (E) CARPET, TACK STRIPS, AND ADHESIVES. PREP SUBSTRATE FOR (N) FLOORING.
- DEMO (E) VCT FLOORING. REMOVE ALL ADHESIVES AND PREP SUBSTRATE FOR NEW FLOORING.
- DEMO TILE FLOORING AND MOR-TAR BED. SEE ENLARGED REST-ROOM PLANS FOR ADD'L INFO.
- CLEAN (E) TILE FLOORING.
- CLEAN (E) CONCRETE FLOORING.
- NEW CARPET AND 6" RUBBER BASE - SEE SPEC SECTION 09 68 00.
- NEW LVT AND 6" RUBBER BASE. SEE SPEC SECTION 09 66 16.
- NEW WALK OFF MAT AND 6" RUBBER BASE - SEE SPEC SECTION 09 68 00.
- NEW FLUID APPLIED EPOXY FLOORING AND 6" INTEGRAL COVED BASE - SEE SPEC SECTION 09 96 56.

P1	WHITE	P4	SCHOOL COLOR ACCENT
P2	CLASSROOM ACCENT	P5	ADMIN ACCENT
P3	CLASSROOM ACCENT	P6	CUSTOM PAINT DESIGN

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

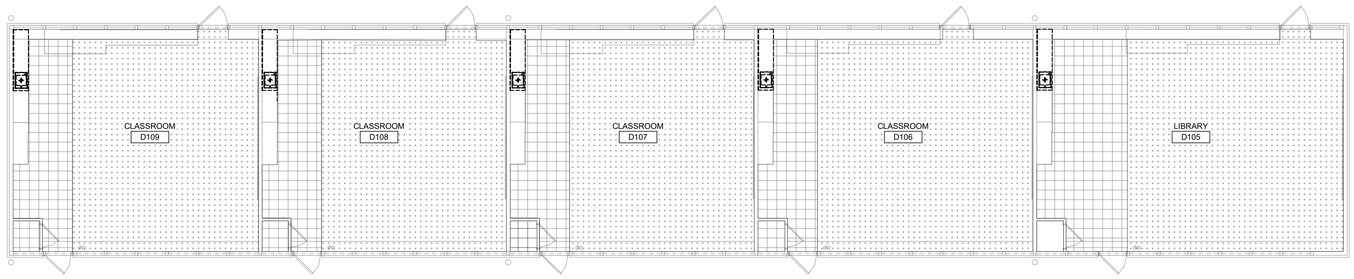
JOB NO.: Y2524.00

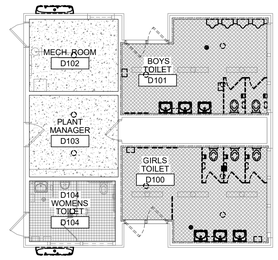
SHEET TITLE

FINISH PLANS
BUILDINGS A & B

SHEET NO.

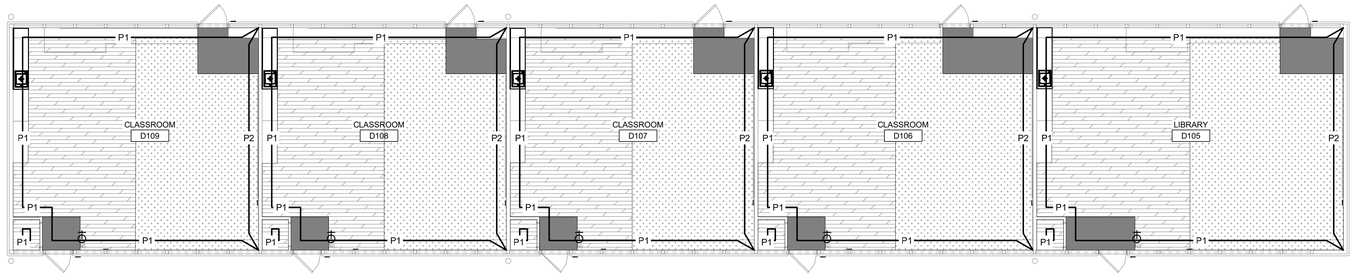
A811

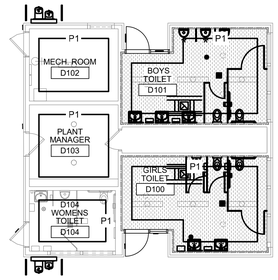




29 BUILDING D FINISH PLAN - DEMOLITION

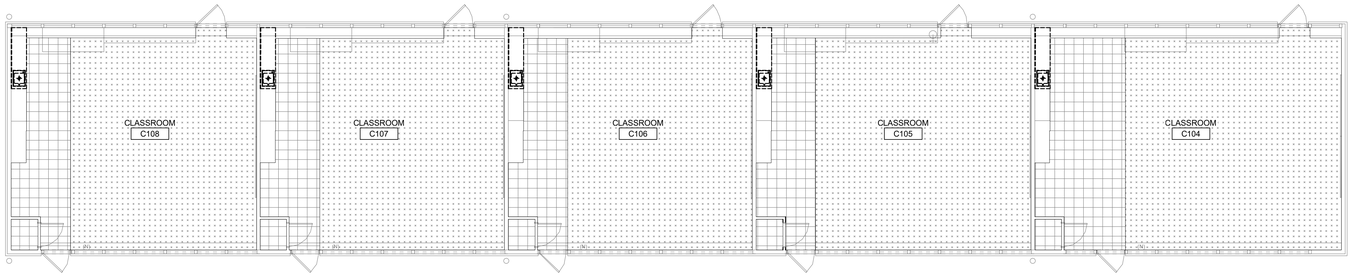
SCALE: 1/8" = 1'-0"

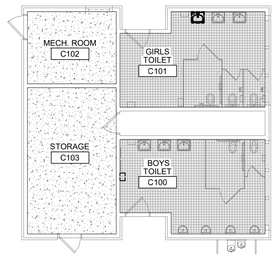




28 BUILDING D FINISH PLAN - NEW WORK

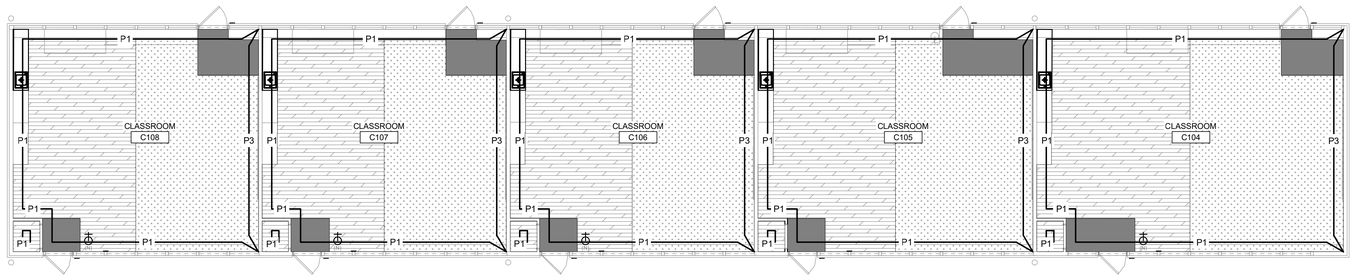
SCALE: 1/8" = 1'-0"

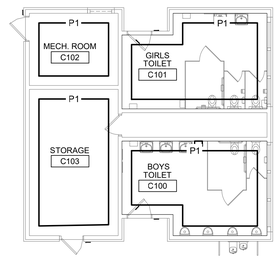




27 BUILDING C FINISH PLAN - DEMOLITION

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





26 BUILDING C FINISH PLAN - NEW WORK

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   CAP & EDGE FLASHINGS
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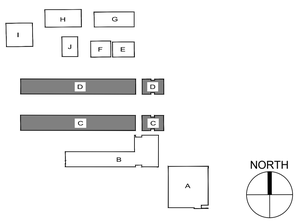
- DEMO (E) VCT FLOORING. REMOVE ALL ADHESIVES AND PREP SUBSTRATE FOR NEW FLOORING.
- DEMO TILE FLOORING AND MOR-TAR BED. SEE ENLARGED REST-ROOM PLANS FOR ADD'L INFO.
- CLEAN (E) TILE FLOORING.
- CLEAN (E) CONCRETE FLOORING.
- NEW CARPET AND 6" RUBBER BASE
- NEW LVT AND 6" RUBBER BASE
- NEW WALK OFF MATT AND 6" RUBBER BASE
- NEW URETHANE CEMENT FLOORING AND 6" INTEGRAL COVED BASE
- NEW FLUID APPLIED EPOXY FLOORING AND 6" INTEGRAL COVED BASE

P1	WHITE	P4	SCHOOL COLOR ACCENT
P2	CLASSROOM ACCENT	P5	ADMIN ACCENT
P3	CLASSROOM ACCENT	P6	CUSTOM PAINT DESIGN

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
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CONSULTANT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

FINISH PLANS
BUILDINGS C & D

SHEET NO.

A812

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

NAILING SCHEDULE:

DESCRIPTION	NAILING
ROOF	
1. BLKG BTWN CLG JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRMG BLW	3-8d TOE NAIL, EA END
BLKG BTWN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8d TOE NAIL OR 2-16d END NAIL, EA END
FLAT BLKG TO TRUSS & WEB FILLER	16d FACE NAIL @ 6"cc
2. CLG JOIST TO TOP PLATE	3-8d TOE NAIL EA JOIST
3. CLG JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (NO THRUST)	3-16d FACE NAIL
4. CLG JOIST ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (W/ THRUST)	CBC TABLE 2308.7.3.1
5. COLLAR TIE TO RAFTER	3-10d FACE NAIL
6. RAFTER OR TRUSS TO TOP PLATE (SEE CBC SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-10d TOE NAIL
7. RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS; OR RAFTER TO 2" RIDGE	3-10d TOE NAIL OR 2-16d END NAIL
WALL	
8. STUD TO STUD (NOT BRACED WALL PANELS)	16d @ 24"cc FACE NAIL
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (BRACED WALL PANELS)	16d @ 6"cc FACE NAIL
10. BUILT UP HEADER (2" TO 2" HEADER)	16d @ 16"cc FACE NAIL
11. CONT HEADER TO STUD	4-8d TOE NAIL
12. TOP PLATE TO TOP PLATE	16d @ 16"cc FACE NAIL
13. TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d EA SIDE OF END JOINT FACE NAIL (24" MIN LAP SPLICE EA END)
14. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (NOT @ BRACED WALL PANELS)	16d @ 16"cc
15. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (BRACED WALL PANELS)	2-16d @ 16"cc
16. STUD TO TOP OR BOT PLATE	4-8d TOE NAIL
17. TOP OR BOT PLATE TO STUD	2-16d END NAIL
18. TOP PLATED, LAPS AT CORNERS & INTERSECTIONS	2-16d FACE NAIL
19. 1" BRACE TO EA STUD & PLATE	2-8d FACE NAIL
20. 1x6 SHEATHING TO EA BEARING	2-8d FACE NAIL
21. 1x8 & WIDER SHEATHING TO EA BEARING	3-8d FACE NAIL
FLOOR	
22. JOIST TO SILL, TOP PLATE OR GIRDER	3-8d TOE NAIL
23. RIM JOIST, BAND JOIST, OR BLKG TO TOP PLATE, SILL, OR OTHER FRAMING BLW	8d @ 6"cc TOE NAIL
24. 1x6 SUB FLOOR OR LESS TO EA JOIST	2-8d FACE NAIL
25. 2" SUB FLOOR TO JOIST OR GIRDER	2-16d FACE NAIL
26. 2" PLANKS EA BEARING (PLANK & BEAM, FLOOR & ROOF)	2-16d FACE NAIL
27. BUILT UP GIRDERS & BEAMS, 2" LUMBER LAYERS	10d @ 24"cc FACE NAIL AT TOP & BOT, STAGGER ON OPPOSITE SIDES
28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d EA JOIST OR RAFTER FACE NAIL
29. JOIST TO BAND JOIST OR RIM JOIST	3-16d END NAIL
30. BRIDGING OR BLKG TO JOIST, RAFTER OR TRUSS	2-8d TOE NAIL EA END

SHEATHING NOTES:

1. STRUCTURAL PANEL WALL SHEATHING SHALL BE 'STRUCTURAL PLYWOOD' PER THE AMERICAN PLYWOOD ASSOCIATION (APA) DOC PS-1 AND SHALL BE INSTALLED WHERE INDICATED IN THE STRUCTURAL DRAWINGS.
   A. STRUCTURAL PANEL WALL SHEATHING SHALL BE $\frac{15}{32}$" THICKNESS.
   B. STRUCTURAL PANEL WALL SHEATHING SHALL HAVE A MINIMUM SPAN RATING OF $\frac{24}{16}$.
   C. STRUCTURAL PANEL WALL SHEATHING SHALL BE EXTERIOR GRADE, EXPOSURE 1, STRUCTURAL 1.
2. ALL SHEATHING PANELS ARE TO BE INSTALLED WITH $\frac{1}{8}$" GAP AT ENDS AND EDGES.
3. SHEATHING IS TO BE INSTALLED AND PROTECTED SUCH THAT IT IS NOT EXPOSED TO PRECIPITATION.

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND ACI 318-19.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
3. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   3.1 FOR USE AT EXTERIOR CONCRETE EQUIPMENT SLABS
   28-DAY STRENGTH, F'c = 3,500 PSI
   MAX AGGREGATE SIZE = $\frac{3}{4}$"
   MAX WATER TO CEMENT RATIO = 0.50
   SLUMP = 4" ± 1"
   3.2 FOR USE AT INTERIOR CONCRETE SLABS
   28-DAY STRENGTH, F'c = 4,000 PSI
   MAX AGGREGATE SIZE = $\frac{3}{4}$"
   MAX WATER TO CEMENT RATIO = 0.45
   SLUMP = 3" ± 1"
4. CONSTITUENTS OF STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
   4.1 PORTLAND CEMENT PER ASTM C-150 TYPE I OR II
   4.2 COARSE AND FINE AGGREGATES PER ASTM C-33
   4.3 REINFORCING PER ASTM A615 GRADE 60, UNO
   4.4 FLY ASH PER ASTM C-618 CLASS N OR F
   4.5 ADMIXTURES PER PROJECT SPECIFICATIONS
5. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
6. ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
7. FREE-FALL OF CONCRETE SHALL BE LIMITED TO 4'-0" MAX. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEPARATION OF AGGREGATES.
8. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
9. CONSTRUCTION JOINTS SHALL HAVE ALL LOOSE MATERIAL REMOVED AND SHALL BE INTENTIONALLY ROUGHENED TO ¼" AMPLITUDE PRIOR TO POURING CONCRETE. CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
10. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318.
11. REFER TO ACI RECOMMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS
12. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.
13. ALL SLABS SHALL BE FLAT AND LEVEL W/A TOLERANCE OF $\frac{3}{16}$" IN 10' FOR FLATNESS AND MINIMUM LOCAL VALUE F = 32 PER ASTM 1155. THE PROJECT OWNER MAY REJECT ANY CONSTRUCTION THAT DOES NOT MEET THE FLATNESS CRITERIA NOTED WITH REPLACEMENT AT CONTRACTOR'S EXPENSE.
14. CONDUITS AND PIPES EMBEDDED IN THE SLAB (OTHER THAN THOSE PASSING VERTICALLY THROUGH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
15. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS BEFORE PLACING CONCRETE.

STEEL REINFORCING NOTES:

1. ALL CONCRETE REINFORCING SHALL CONFORM TO THE 2022 CBC AND BE DETAILED, FABRICATED, AND PLACED PER ACI 318-19, AND PER THE LATEST EDITION OF ACI 315.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60 (SEE NOTE 10 BELOW).
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN SLABS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. LAP SPLICES OF CONCRETE REINFORCEMENT
   5.1 #3 BARS = 30"
   5.2 #4 BARS = 40"
   5.3 #5 BARS = 48"
   5.4 #6 BARS = 60"
6. ALL ADJACENT REINFORCING LAPS ARE TO BE STAGGERED A MINIMUM OF 5'-0".
7. REINFORCING SHALL BE PLACED WITH THE FOLLOWING MINIMUM CLEAR COVERAGE, UNO:
   7.1 POURED AGAINST EXCAVATIONS/GROUND = 3"
   7.2 POURED AGAINST FORMS, EXPOSED TO SOIL = 2"
   7.3 CONCRETE EXPOSED TO WEATHER =$1\frac{1}{2}$"
   7.4 SLABS ON GRADE - CENTER REINFORCING WITHIN SLAB DEPTH
8. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
9. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
10. WELDING OF REINFORCING IS NOT PERMITTED UNLESS SHOWN ON THESE DRAWINGS OR WITH PRIOR WRITTEN APPROVAL FROM THE SEOR.

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WWPA SHOWING GRADE MARK.
2. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x_STUDS	#1 DF
2x_ JOISTS, PLATES	#1 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

   2.1 MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSURE TREATED
   2.2 OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1 AC IN LIEU OF TREATED DF
3. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER
   3.1 SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED
   3.2 PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2
   3.3 FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4
   3.4 CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	2½"	1⅜"	SHTG/FRMG
10d	.148"Ø	3"	1½"	SHTG/FRMG
16d	.162"Ø	3½"	1⅝"	FRMG

ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED

2. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.
3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX ⅓ THE LENGTH OF THE NAIL FROM THE MEMBER END.
4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.2 UNO (SEE TABLE ON THIS SHEET
6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.
7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH WITH FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.
2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.
3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.
5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.
6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON WITH THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
½"	2" x 2"	$\frac{3}{16}$"
⅝"	2½" x 2½"	¼"
¾"	2¾" x 2¾"	$\frac{5}{16}$"
⅞"	3" x 3"	$\frac{5}{16}$"
1"	3½" x 3½"	⅜"

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.
3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.
4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.
5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER WITH CORROSION PROTECTION TO MATCH THE LAG SCREW.
7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

DESIGN CRITERIA:

1. PROJECT ADDRESS: 2635 CHESTNUT HILL DRIVE
   SACRAMENTO, CA 95826
2. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE
   2022 CALIFORNIA EXISTING BUILDING CODE
3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
   BUILDING ROOFS
   ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
   ROOF DEAD LOAD = 14 PSF
   WALL WEIGHTS
   EXTERIOR WALLS = 15 PSF
   INTERIOR WALLS = 10 PSF
4. LATERAL LOADS: RISK CATEGORY III
   WIND LOADS (ASCE 7-16)
   BASIC WIND SPEED 100 MPH (77 MPH ASD)
   EXPOSURE C
   BUILDINGS ARE CONSIDERED "ENCLOSED"
   PRESSURE COEFFICIENTS
   INTERNAL PRESSURE COEFFICIENT, GC_{pi} = ± 0.18
   TOPOGRAPHIC FACTOR, K_{zt} = 1.00
   WIND DIRECTIONALITY FACTOR, K_d = 0.85
   GROUND ELEVATION FACTOR, K_e = 1.00
   VELOCITY PRESSURES
   q (0'-15') = 11.0 PSF (ASD)
   q (15'-20') = 11.6 PSF (ASD)
   q (20'-25') = 12.3 PSF (ASD)
   SEISMIC LOADS (ASCE 7-16)
   SITE CLASS D
   SEISMIC DESIGN CATEGORY D
   S_s = 0.515 S_1 = 0.239
   F_a = 1.388 F_v = NA
   S_{MS} = 0.715 S_{M1} = NA
   S_{DS} = 0.476 S_{D1} = NA
   MECHANICAL EQUIPMENT (ASCE 7-16)
   IMPORTANCE FACTOR, I_p 1.00
   RESPONSE MOD FACTOR, R_p 6.0
   AMPLIFICATION FACTOR, a_p 2.5
5. SOILS CRITERIA:
   PRESUMPTIVE LOAD-BEARING VALUES FROM TABLE 1806A.2
   ALLOWABLE BEARING PRESSURE (D+L) = 1,500 PSF

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).
2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2022 CBC AND THE PROJECT SPECIFIC DSA-103.
3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.
4. ITEMS EXEMPTED FROM TESTING AND INSPECTION REQUIREMENTS PER DSA-103:
   4.1 BATCH PLANT INSPECTION FOR CONCRETE USED IN EXTERIOR NON-STRUCTURAL CONCRETE.
   4.2 EPOXY DOWELS USED IN INTERIOR NON-STRUCTURAL CONCRETE.
   4.3 TESTING OF REINFORCING STEEL USED IN EXTERIOR NON-STRUCTURAL CONCRETE.

POST INSTALLED ANCHOR NOTES:

1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.
3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17A OF THE 2022 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.
5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:
   5.1 EXPANSION ANCHORS IN CONCRETE
   HILTI KB TZ2 PER ICC ESR 4266
   5.2 EPOXY ANCHORS IN CONCRETE
   HILTI HIT-HY 200 V3 PER ICC ESR 4868
6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC ESR-4266 TABLE 1

ANCHOR DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
BIT DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
NOMINAL EMBEDMENT	$2\frac{1}{2}$"	$2\frac{1}{2}$"	$4\frac{1}{2}$"
HOLE DEPTH	$2\frac{3}{4}$"	$2\frac{3}{4}$"	$4\frac{3}{4}$"
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

STRUCTURAL SHEET INDEX:

S001 TYPICAL STRUCTURAL NOTES
S002 TYPICAL STRUCTURAL DETAILS
S201 BUILDING B STRUCTURAL PLAN & ENLARGED PLAN
S202 BUILDING D STRUCTURAL PLAN & ENLARGED PLAN

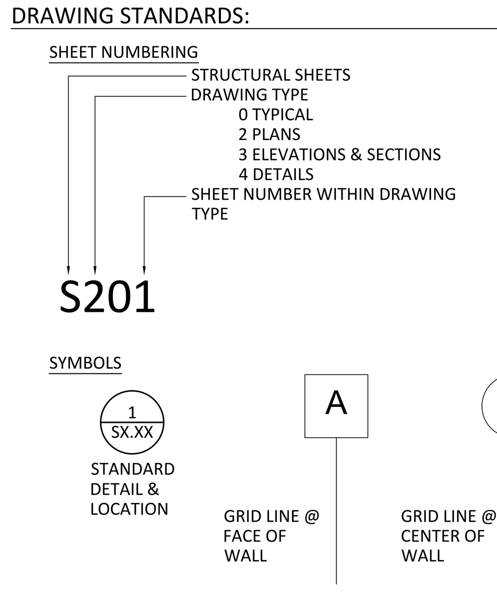
ABBREVIATIONS:

@	AT
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BLKG	BLOCKING
BLW	BELOW
BTWN	BETWEEN
B.O.	BOTTOM OF
BOT	BOTTOM
CBC	CALIFORNIA BUILDING CODE
cc	CENTER TO CENTER
CJ	COLD JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
Ø	DIAMETER
DWGS	DRAWINGS
DSA	DIVISION OF THE STATE ARCHITECT
ES	EDGE SCREW w/SPACING PER SHEAR WALL DIAGRAMS
F.O.	FACE OF
FRMG	FRAMING
HD	HOLDOWN
HSS	HOLLOW STRUCTURAL SECTION
L	STEEL ANGLE
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MIN	MINIMUM
NTS	NOT TO SCALE
#	NUMBER OR POUNDS
OH	OPPOSITE HAND
OV/	OVER
PAF	POWDER-ACTUATED FASTENER
PJ	PANEL JOINT
SEOR	STRUCTURAL ENGINEER OF RECORD
SMS	SHEET METAL SCREW
T & B	TOP AND BOTTOM
THRU	THROUGH
T.O.	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
w/	WITH

GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2022 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.
3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c).
8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL APPROVED BY DSA (T-24, PART 1, 4-338).
9. A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK
10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART 1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.

DRAWING STANDARDS:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

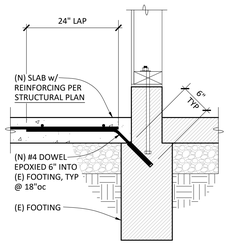
JOB NO.: Y2524.00

SHEET TITLE

TYPICAL STRUCTURAL NOTES

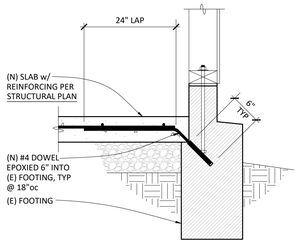
SHEET NO.

S001



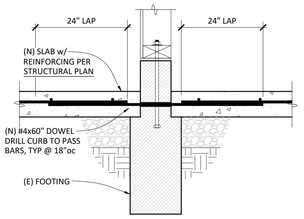
NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST 10% OF DOWELS TO 2,000 LB

DETAIL 12
1" = 1'-0"



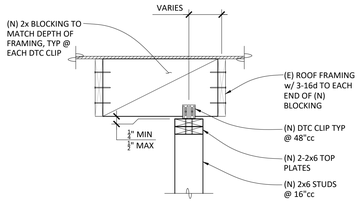
NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST 10% OF DOWELS TO 2,000 LB

DETAIL 13
1" = 1'-0"

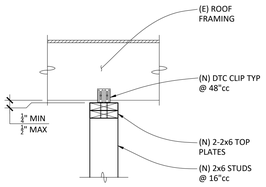


NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST NOT REQUIRED

14

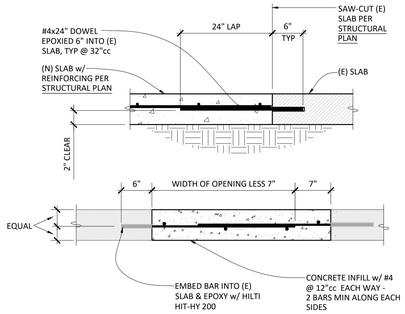


NEW WALL PARALLEL TO EXISTING RAFTERS



NEW WALL PERPENDICULAR TO EXISTING RAFTERS

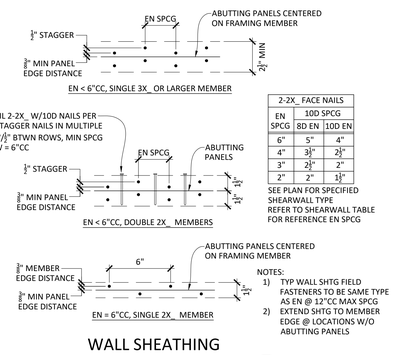
WALL TO ROOF 9



DETAIL NOTES:

1. ALL SLAB DEMO IS TO BE DONE BY FIRST SAW CUTTING SLAB.
2. WHERE VAPOR BARRIER IS ENCOUNTERED, PATCH EXISTING VAPOR BARRIER WITH 15 MIL STEGO AND SEAL ALL JOINTS
3. MATCH THICKNESS OF EXISTING SLAB, 4" MIN. PROVIDE UNDER-SLAB SUBSTRATE TO MATCH EXISTING CONDITIONS.
4. INSTALL EPOXIED REBAR WITH HILTI HIT-HY 200 V3 PER ICC ESR-4868. PERIODIC INSPECTION NOT REQUIRED .
5. WHERE NEW CONCRETE IS IN CONTACT WITH EXISTING CONCRETE, ROUGHEN AND CLEAN SURFACE, AND APPLY BONDING AGENT.

SLAB PATCHING 10

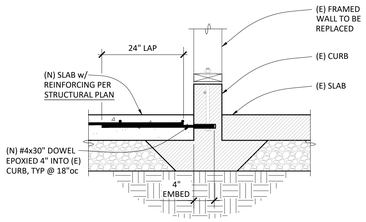


2-2X_ FACE NAILS		
EN SPCG	10D SPCG	
	8D EN	10D EN
6"	5"	4"
4"	3¼"	2½"
3"	2½"	2"
2"	2"	1¾"

SEE PLAN FOR SPECIFIED SHEARWALL TYPE
REFER TO SHEARWALL TABLE FOR REFERENCE EN SPCG

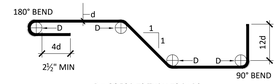
NOTES:
1) TYP WALL SHTG FIELD FASTENERS TO BE SAME TYPE AS EN @ 12"CC MAX SPCG
2) EXTEND SHTG TO MEMBER EDGE @ LOCATIONS W/O ABUTTING PANELS

WALL SHEATHING EDGE NAILING 15



NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST NOT REQUIRED

DETAIL 11
1" = 1'-0"



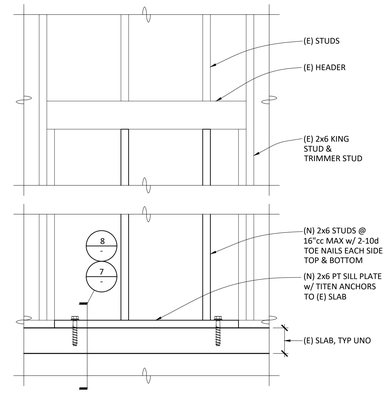
D = 6d FOR #3 THRU #8 BARS
D = 8d FOR #9 THRU #11 BARS

REINFORCING BARS & STANDARD HOOKS

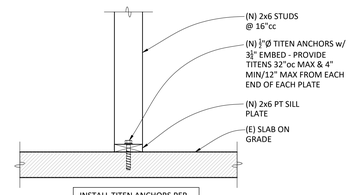
NOTES:

1. THE ABOVE DETAILS ARE PROVIDED TO SPECIFY STAND REBAR BENDS AND BEND EXTENSIONS, TYP UNO.
2. ALL REBAR PLACEMENT IS TO BE AS SHOWN IN PROJECT DETAILS. SEE 'CONCRETE REINFORCEMENT NOTES' ON S001.
3. NOT ALL CONDITIONS SHOWN ABOVE WILL APPLY TO THIS PROJECT.

STANDARD REBAR BENDS 5

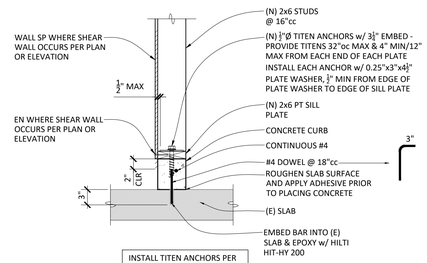


OPENING INFILL 6



INSTALL TITEN ANCHORS PER ICC ESR-2713. TORQUE TEST 10% OF ANCHORS TO 65 FT-LB

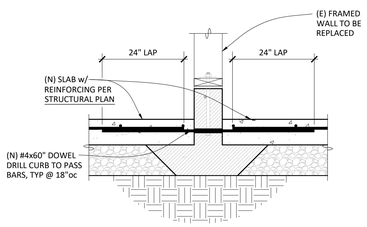
'7A' - NEW WALL TO EXISTING SLAB



INSTALL TITEN ANCHORS PER ICC ESR-2713. TORQUE TEST 10% OF ANCHORS TO 65 FT-LB

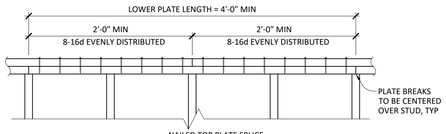
'7B' - NEW WALL w/ NEW CURB TO EXISTING SLAB

NEW CURB 7



NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST NOT REQUIRED

8

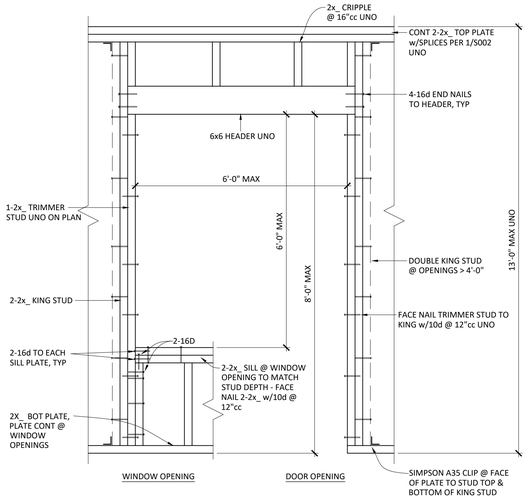


NAILED TOP PLATE SPLICE

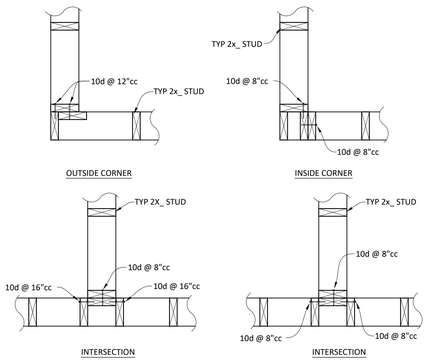
NOTES:

1. PRE-DRILL 75% OF FASTENER DIAMETER AS REQUIRED TO AVOID SPLITTING
2. NO PLATE PENETRATIONS ALLOWED IN SPLICE ZONES

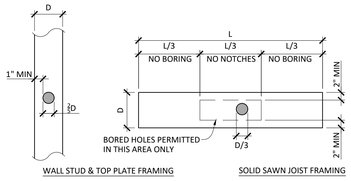
TOP PLATE SPLICE 1



WALL OPENINGS 2



WALL INTERSECTIONS 3



NOTES:
1) HOLES IN WALL STUDS MAY BE BORED UP TO ⅜D DIAMETER PROVIDED STUDS ARE DOUBLED & HOLES ARE CENTERED IN STUD WIDTH.
2) BORING SHOWN SHALL NOT BE USED AT BEAMS OR POSTS. CONSULT AOR.
3) NOTCHING IS NOT PERMITTED.
4) CLEAR SPCG BTWN BORED HOLES SHALL BE 12" MIN.
5) HOLES IN TOP PLATES SHALL NOT BE LOCATED WITHIN TOP PLATE SPLICE ZONE
6) WHERE TOP PLATE PENETRATIONS EXCEED LIMITS SHOWN, PROVIDE CTS219 EACH SIDE OF BOTH TOP PLATES & ATTACH w/SD #9x1½" SCREWS

THIS DETAIL APPLIES TO INTERIOR NON-STRUCTURAL WALLS AND CEILING JOISTS ONLY. FOR ALL OTHER CONDITIONS, CONTACT SEOR PRIOR TO PROCEEDING WITH BORING ANY HOLES

BORING 4

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
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Sacramento City Unified School District

REGISTERED PROFESSIONAL ENGINEER GREGORY T. RUBENSTEIN C 55550 STRUCTURAL STATE OF CALIFORNIA

CONSULTANT

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600 Q Street, Suite 100
Sacramento, CA 95811
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916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

TYPICAL STRUCTURAL DETAILS

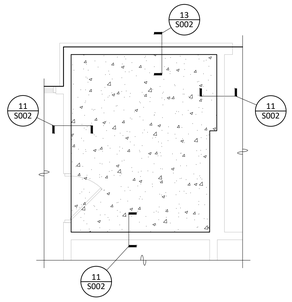
SHEET NO.

S002

INCREMENT NO. 1

BUILDING B
STRUCTURAL PLAN
$\frac{1}{8}$" = 1'-0"

N



ENLARGED PARTIAL
FOUNDATION PLAN
$\frac{1}{4}$" = 1'-0"

1

STRUCTURAL PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.

STRUCTURAL PLAN LEGEND:

EXISTING STRUCTURAL WALL

EXISTING NON-STRUCTURAL WALL

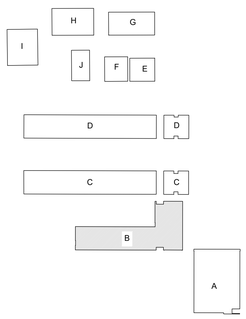
STRUCTURAL PLAN KEYNOTES:

1. (E) SLAB TO BE SAW CUT, REMOVED AND REPLACED W/ (N) SLAB (AND CURB IF REQUIRED)
   (N) SLAB TO BE REINFORCED W/ #4 BARS @ 18"cc EACH WAY - PROVIDE 15 MIL MINIMUM VAPOR BARRIER BELOW (N) SLAB
   (N) SLAB THICKNESS TO MATCH GREATER OF (E) SLAB THICKNESS OR 4"
   SEE DETAILS 11/S002 THRU 13/S002 AS REQUIRED

ENLARGED PLAN LEGEND:

EXTENTS OF CONCRETE SLAB MODIFICATION

BUILDING KEY PLAN:



AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

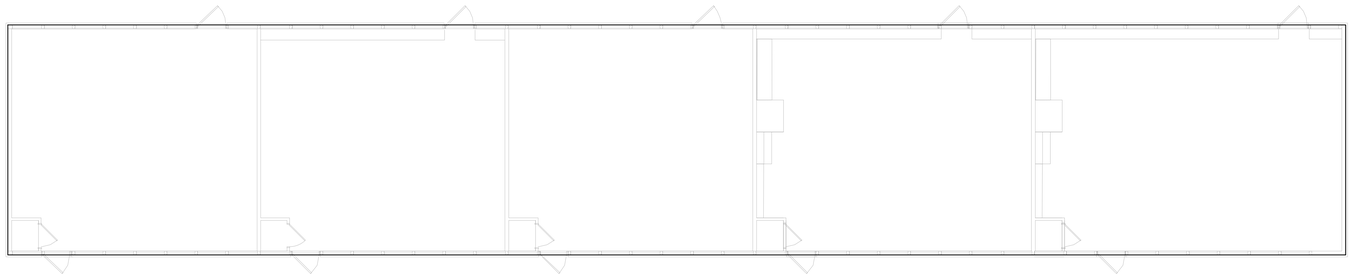
SHEET TITLE

BUILDING B
STRUCTURAL PLANS

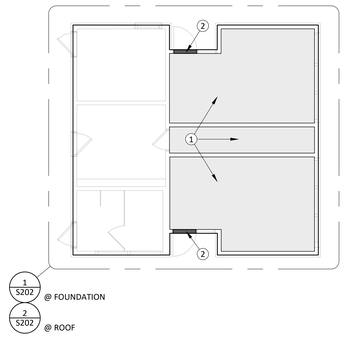
SHEET NO.

S201

INCREMENT NO. 1



BUILDING D
STRUCTURAL PLAN
$\frac{1}{8}$" = 1'-0"



STRUCTURAL PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.

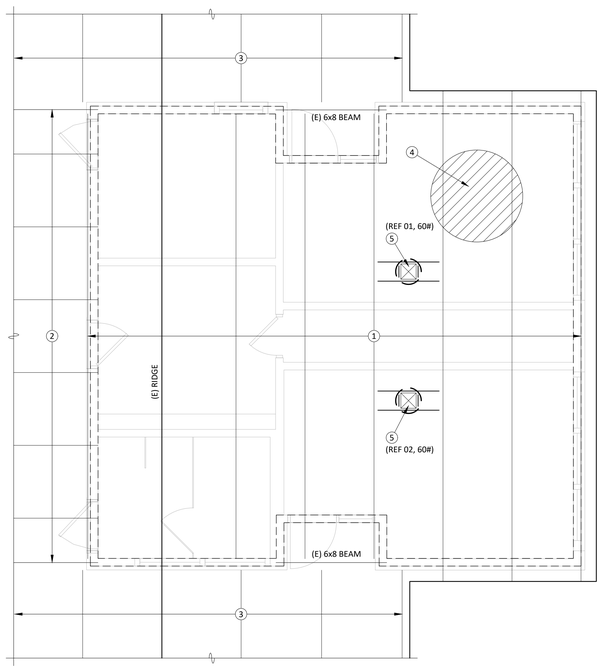
STRUCTURAL PLAN LEGEND:

EXISTING STRUCTURAL WALL

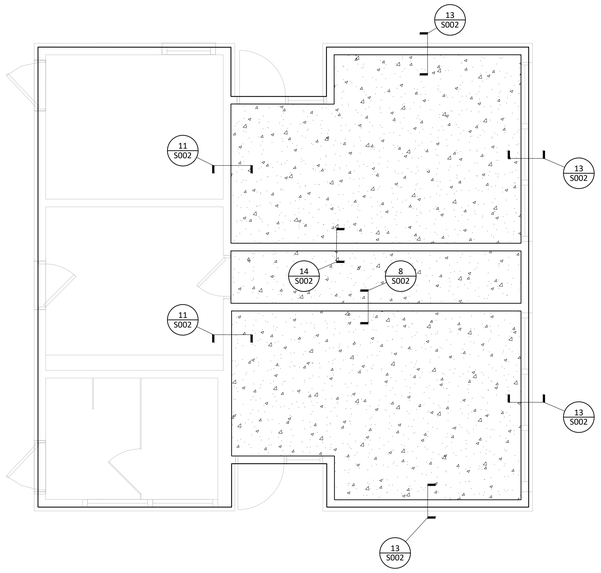
EXISTING NON-STRUCTURAL WALL

STRUCTURAL PLAN KEYNOTES:

1. (E) SLAB TO BE SAW CUT, REMOVED AND REPLACED W/ (N) SLAB (AND CURB IF REQUIRED)
   (N) SLAB TO BE REINFORCED W/ #4 BARS @ 18"cc EACH WAY - PROVIDE 15 MIL MINIMUM VAPOR BARRIER BELOW (N) SLAB
   (N) SLAB THICKNESS TO MATCH GREATER OF (E) SLAB THICKNESS OR 4"
   SEE DETAILS 8/S002 AND 11/S002 THRU 14/S002 AS REQUIRED
2. REMOVE (E) DOORS AND INSTALL (N) STOREFRONT - SEE ARCH DWGS



ENLARGED PARTIAL
ROOF FRAMING PLAN
$\frac{1}{4}$" = 1'-0"
2



ENLARGED PARTIAL
FOUNDATION PLAN
$\frac{1}{4}$" = 1'-0"
1

ENLARGED PLAN LEGEND:

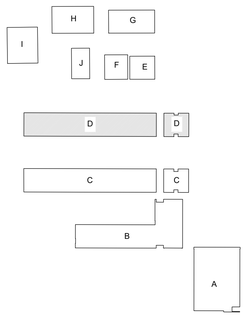
EXTENTS OF CONCRETE SLAB MODIFICATION

(N) MECHANICAL EQUIPMENT TO BE ADDED

ENLARGED PLAN KEY NOTES:

1. (E) 4x8 ROOF FRAMING @ 4'-6"cc TO REMAIN
2. (E) 4x8 ROOF FRAMING @ 4'-9"cc TO REMAIN
3. (E) 4x8 ROOF FRAMING @ 5'-3"cc TO REMAIN
4. (E) 2x6 OR 2x8 TONGUE & GROOVE DIAGONAL SHEATHING
5. (N) 4x6 BLKG w/ U46 HANGER EACH END, TYP @ REF - SEE 2/M801

BUILDING KEY PLAN:



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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

BUILDING D
STRUCTURAL PLANS

SHEET NO.

S202

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16–13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☒	☒	☐	☐	OPTION 1: PROJECT–SPECIFIC DESIGN.
☐	☐	☐	☐	OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL
☐	☐	☐	☐	OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

MECHANICAL NOTES

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
A.1. 2022 CALIFORNIA BUILDING CODE
A.2. 2022 CALIFORNIA MECHANICAL CODE
A.3. 2022 CALIFORNIA PLUMBING CODE
A.4. 2022 CALIFORNIA ELECTRICAL CODE
A.5. 2022 CALIFORNIA GREEN BUILDING STANDARDS
A.6. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS – TITLE 24
A.7. NATIONAL FIRE PROTECTION ASSOCIATION
A.8. CALIFORNIA STATE FIRE MARSHAL

B. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER MECHANICAL WORK. USE JUDGEMENT AND CARE TO INSTALL MECHANICAL WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.

C. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

D. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE MECHANICAL WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.

E. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF MECHANICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF MECHANICAL SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

F. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.

G. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT.

H. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, AIR FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.

I. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

J. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS MECHANICAL COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.

K. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.

L. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.

M. MECHANICAL EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.

N. ALL EXPOSED DUCTWORK OUTDOORS SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.

O. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.

P. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.

Q. MINIMUM MERV–8 FILTERS TO BE USED FOR ANY PERMANENT HVAC SYSTEM IN OPERATION DURING CONSTRUCTION. REPLACE ALL FILTERS WITH MINIMUM MERV–13 PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION PER CALGREEN SECTION 5.504.1.

R. DURING CONSTRUCTION, ALL HVAC EQUIPMENT, DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM PER CALGREEN SECTION 5.504.3.

S. ALL MECHANICAL VENTILATION SYSTEMS SHALL HAVE FILTRATION MEDIA FOR OUTSIDE AIR AND RETURN AIR WHICH PROVIDES MINIMUM MERV–13 FILTRATION. FILTRATION MEDIA SHALL BE REPLACED PRIOR TO OCCUPANCY AND SHALL BE CLEARLY LABELED WITH MERV RATING PER CALGREEN SECTION 5.5.04.5.3.

T. ALL REFRIGERANTS USED OR PROVIDED ON THIS PROJECT SHALL MEET THE OZONE DEPLETION AND GREENHOUSE GAS REDUCTION REQUIREMENTS PER CALGREEN SECTION 5.508.1.

U. A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT) SHALL PERFORM AND DOCUMENT ACCEPTANCE TESTING AS APPLICABLE PER TITLE 24 SECTIONS 120.5 AND 130.4. CERTIFICATE OF ACCEPTANCE SHALL BE IN PDF FORMAT FOR ELECTRONIC SUBMISSION TO AUTHORITY HAVING JURISDICTION.

MECHANICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
M001	MECHANICAL SPECIFICATIONS, LEGEND, & NOTES
M002	MECHANICAL SCHEDULES
M100	MECHANICAL SITE PLAN
M312	MECHANICAL ENLARGED RESTROOM PLANS – BUILDING C & D
M801	MECHANICAL DETAILS

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	TRANSFER AIR	TA
U–T	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
AC 1	EQUIPMENT DESIGNATION UNIT ABBREVIATION NUMBER	
A 10x10–3 120 CFM	GRILLE DESIGNATION NECK SIZE & BLOW (4 UON) FIRE DAMPER WHERE REQ'D CFM	
	ACOUSTIC LINED DUCT	L
	TURNING VANES	TV
	DUCT FLEXIBLE CONNECTION	
	DUCT RISER	
	DUCT DROP	
	RECTANGULAR TO ROUND FITTING	
	VOLUME CONTROL DAMPER	VD
FD	FIRE DAMPER W/ ACCESS	FD
FSD	FIRE SMOKE DAMPER W/ ACCESS	FSD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
M	MOTORIZED DAMPER	
T	THERMOSTAT @ +48" AFF	T–STAT
S	SENSOR @ +48" AFF	
TC	TIMECLOCK @ +48" AFF	
TCP	TEMPERATURE CONTROL PANEL	TCP
SD	DUCT SMOKE DETECTOR	SD
	PIPE RISER/DROP	(R)/(D)
	ABOVE FINISHED FLOOR	AFF
	UNLESS OTHERWISE NOTED	UON
	TYPICAL	(TYP)
	BOTTOM OF DUCT	BOD
	BOTTOM OF PIPE	BOP
	AUTOMATIC AIR VENT	AAV
	MANUAL AIR VENT	MAV
	TEMP. CONTROL CONTRACTOR	TCC
	TEMPERATURE CONTROL VALVE	TCV
	COMBUSTION AIR	CA
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC
	HEATING HOT WATER SUPPLY	HHWS
	HEATING HOT WATER RETURN	HHWR
	2–WAY CONTROL VALVE	
	BACKFLOW PREVENTER	BFP
	BALL VALVE	
	BUTTERFLY VALVE	
	CAP	
	CHECK VALVE	
	AUTOMATIC BALANCE VALVE (B&G ULTRA SET)	ABV
	AUTOMATIC BALANCE VALVE (B&G CIRCUIT SETTER)	CBV
	CONTROL VALVE (2–WAY)	
	FLEX CONNECTOR	FC
	FLOW ARROW	
	GATE VALVE	
	PRESSURE GAUGE	
	PLUG VALVE	
	REDUCER	
	STRAINER	
TS	TEMPERATURE SENSOR	TS
	TEST PORT (PETE'S PLUG)	PP
	THERMOMETER	
	TRIPLE DUTY VALVE	

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

MECHANICAL SPECIFICATIONS, LEGEND AND NOTES

SHEET NO.

M001

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

EXHAUST FAN SCHEDULE

TYPE	MARK	TYPE	MOUNTING	ELECTRICAL					EXHAUST FAN								
				VOLTS	PHASE	RLA	MCA	MOCP	MOTOR BHP/ WATTS	DRIVE	CFM	E.S.P. (IN WC)	SONES	CONTROL	OPER. WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER
REF	D1	CENTRIFUGAL	ROOF	115	1	2.85	4	15	0.25/–	DIRECT	450	0.2	3.0	LIGHTS	60	GREENHECK	G–100–VG
REF	D2	CENTRIFUGAL	ROOF	115	1	2.85	4	15	0.25/–	DIRECT	450	0.2	3.0	LIGHTS	60	GREENHECK	G–100–VG

NOTES:
1. PROVIDE FACTORY PRE–WIRED DISCONNECT SWITCH WITH NEMA RATED ENCLOSURE FOR LOCATION.
2. PROVIDE MOTOR THERMAL OVERLOAD PROTECTION
3. PROVIDE BACK DRAFT DAMPER.
4. PROVIDE WITH PRE–WIRED FAN SPEED CONTROLLER.
5. PROVIDE FACTORY ROOF CURB AND DAMPER TRAY FOR ROOF MOUNTED UNITS.
6. FANS TO BE AMCA LICENSED FOR SOUND AND AIR PERFORMANCE.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	DESCRIPTION
E	SURFACE CEILING EXHAUST	ALUMINUM EGGCRATE RETURN GRILLE WITH 1/2"x1/2"x1/2" GRID. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 50F.
L	EXTERIOR DOOR LOUVER	ALUMINUM LOUVERED STORM–PROOF DOOR LOUVER. PROVIDE FACTORY INSECT SCREEN. FINISH: COLOR BY ARCHITECT. FRAME: SURFACE–DOOR. ANEMOSTAT SRDL.

NOTES:
1. REFER TO MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTER, AND FIRE DAMPER WHERE APPLICABLE.

INCREMENT NO. 1

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JOB NO.: Y2524.00
SHEET TITLE

MECHANICAL SCHEDULES

SHEET NO.

M002

INCREMENT NO. 1

1 MECHANICAL SITE PLAN
SCALE 1" = 30'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

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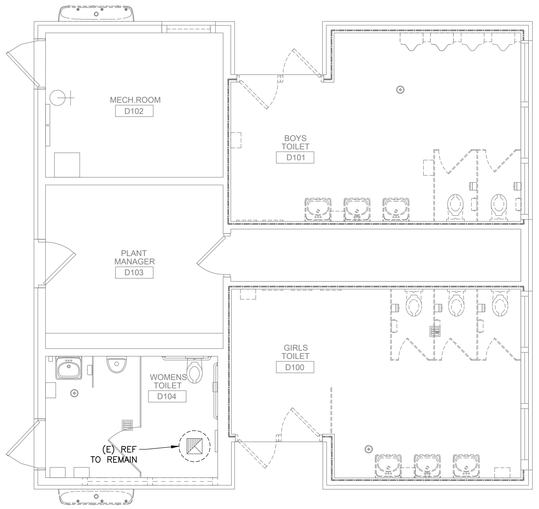
SHEET TITLE

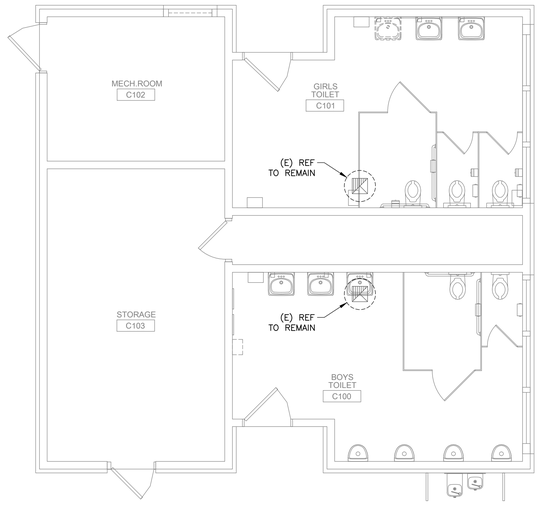
MECHANICAL SITE PLAN

SHEET NO.

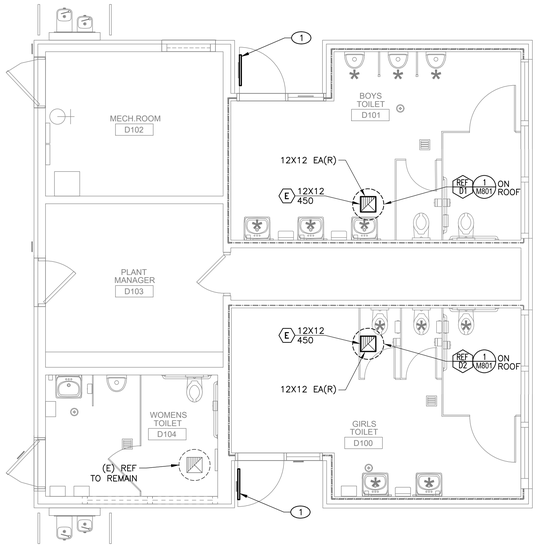
M100



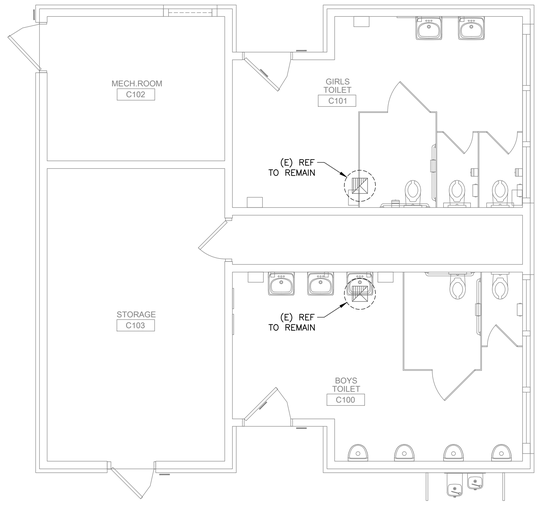
3 ENLARGED MECHANICAL BUILDING D RESTROOM PLAN - DEMOLITION
SCALE 3/8" = 1'-0"



1 ENLARGED MECHANICAL BUILDING C RESTROOM PLAN - DEMO
SCALE 3/8" = 1'-0"



4 ENLARGED MECHANICAL BUILDING D RESTROOM PLAN - NEW
SCALE 3/8" = 1'-0"



2 ENLARGED MECHANICAL BUILDING C RESTROOM PLAN - NEW
SCALE 3/8" = 1'-0"

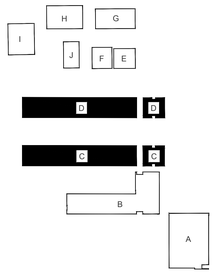
KEY NOTES

1. MIN. 24X24 (TYPE L) DOOR LOUVER FOR EXHAUST AIR INTAKE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEYPLAN:



NORTH

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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JOB NO.: Y2524.00

SHEET TITLE

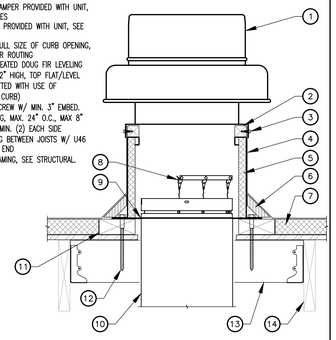
MECHANICAL ENLARGED RESTROOM PLANS - BUILDING C & D

SHEET NO.

M312

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

1. ROOF EXHAUST FAN, SEE SCHEDULES
2. WOOD NAILER PROVIDED WITH UNIT CURB
3. #12 TEK SCREWS WITH MIN. 3/4" EMBED. INTO WOOD NAILER, MIN. (2) PER SIDE, SILICONE SEAL PENETRATIONS WATERTIGHT
4. ROOFING UP AND UNDER FAN FLASHING
5. UNIT CURB, SEE SCHEDULES
6. CANT STRIP
7. ROOF INSULATION FORMED TO MEET CURB WHERE APPLICABLE, SEE ARCHITECTURAL DRAWINGS
8. BACKDRAFT DAMPER PROVIDED WITH UNIT, SEE SCHEDULES
9. DAMPER TRAY PROVIDED WITH UNIT, SEE SCHEDULES
10. DUCTWORK, FULL SIZE OF CURB OPENING, SEE PLAN FOR ROUTING
11. PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH, TOP FLAT/LEVEL (MAY BE OMITTED WITH USE OF PRE-SLOPED CURB)
12. 1/2"Ø LAG SCREW W/ MIN. 3" EMBED. INTO BLOCKING, MAX. 24" O.C., MAX 8" FROM ENDS, MIN. (2) EACH SIDE
13. 4X6 BLOCKING BETWEEN JOISTS W/ U46 HANGERS EA. END
14. (E) ROOF FRAMING, SEE STRUCTURAL.



ROOFTOP EXHAUST FAN (WOOD) | NTS | 1

INCREMENT NO. 1

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JOB NO.: Y2524.00

SHEET TITLE

MECHANICAL DETAILS

SHEET NO.

M801

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16–13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☒	☒	☐	☐	OPTION 1: PROJECT–SPECIFIC DESIGN.
☐	☐	☐	☐	OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL
☐	☐	☐	☐	OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

PLUMBING NOTES

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
A.1. 2022 CALIFORNIA BUILDING CODE
A.2. 2022 CALIFORNIA MECHANICAL CODE
A.3. 2022 CALIFORNIA PLUMBING CODE
A.4. 2022 CALIFORNIA ELECTRICAL CODE
A.5. 2022 CALIFORNIA GREEN BUILDING STANDARDS
A.6. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS – TITLE 24
A.7. NATIONAL FIRE PROTECTION ASSOCIATION
A.8. CALIFORNIA STATE FIRE MARSHAL
B. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER PLUMBING WORK. USE JUDGEMENT AND CARE TO INSTALL PLUMBING WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.
C. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
D. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE PLUMBING WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.
E. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF PLUMBING WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF PLUMBING SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
F. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
G. THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING EQUIPMENT.
H. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.
I. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.
J. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS PLUMBING COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.
K. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.
L. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
M. PLUMBING EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.
N. ALL EXPOSED MATERIAL SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.
O. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.
P. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.
Q. FOR NEW BUILDINGS IN EXCESS OF 50,000 SQUARE FEET, OR WATER CONSUMPTION IN EXCESS OF 1,000 GAL/DAY, PROVIDE WATER SUB–METERS AS REQUIRED PER CALGREEN SECTION 5.303.1.1.
R. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH WATER CONSERVING REQUIREMENTS LISTED IN CALGREEN SECTION 5.303.3.
S. COORDINATE ALL NEW OR CHANGING UTILITY SERVICES WITH UTILITY PROVIDER AS SOON AS POSSIBLE. ANY COST RESULTING FROM WORK PERFORMED PRIOR TO COORDINATING WITH UTILITY COMPANY WHICH DOES NOT COMPLY WITH UTILITY COMPANY REQUIREMENTS SHALL BE BORNE BY THIS CONTRACTOR.
T. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, FIXTURE MOUNTING HEIGHTS AND CBC ACCESSIBILITY REQUIREMENTS.

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
P001	PLUMBING SPECIFICATIONS, LEGEND, & NOTES
P002	PLUMBING SCHEDULES
P100	PLUMBING SITE PLAN
P111	PLUMBING FLOOR PLANS – BLDG A & B
P112	PLUMBING FLOOR PLANS – BLDG C & D
P313	PLUMBING ENLARGED RESTROOM PLANS – BUILDING C & D – WASTE & VENT
P314	PLUMBING ENLARGED RESTROOM PLANS – BUILDING C & D – DOMESTIC WATER
P801	PLUMBING DETAILS

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
	FIXTURE DESIGNATION / UNIT ABBREVIATION / NUMBER	
	DETAIL DESIGNATION / DETAIL NUMBER / SHEET NO. WHERE SHOWN	
CW	DOMESTIC COLD WATER	CW
HW	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER SUPPLY	HWS
	DOMESTIC HOT WATER RETURN	HWR
V	VENT	V
G	GAS	G
MG	MEDIUM PRESSURE GAS	MG
LPG	LIQUID PROPANE GAS	LPG
S	SEWER	S
GW	GREASE WASTE	GW
OS	OIL/SAND WASTE	OS
AW	ACID WASTE	AW
SD	STORM DRAIN	SD
RD	ROOF DRAIN	RD
OD	OVERFLOW DRAIN	OD
C	CONDENSATE DRAIN	C
SCD	SECONDARY DRAIN	SCD
D	DRAIN	D
T&P	TEMPERATURE & PRESSURE RELIEF	T&P
FS	FIRE SPRINKLER	FS
	PIPE CAP	
	PIPE RISER/DROP	(R)/(D)
	SHUT–OFF VALVE IN BOX	SOV
FCO	FLOOR CLEANOUT	FCO
COTG	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	CLEANOUT	CO
	HOSE BIBB	HB
	OVERFLOW DRAIN OUTLET	
	BALL VALVE	BV
	GATE VALVE	GV
	CHECK VALVE	CHK.V
	MIXING VALVE	TMV
	SHUT–OFF COCK	SOC
	CIRCULATION PUMP	CP
	BALANCING VALVE	BLV
	TRAP PRIMER	TP
	TYPICAL	(TYP)
	VENT THRU ROOF	VTR
	UNDERGROUND	UG
	UNDER FLOOR	UF
	ABOVE CEILING	AB.C.
	TO ABOVE/BELOW	TA/TB
	FROM ABOVE/BELOW	FA/FB
	CONTINUATION	CONT.
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

PLUMBING SPECIFICATIONS, LEGEND AND NOTES

SHEET NO.

P001

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

WATER HAMMER ARRESTOR SIZING

FIXTURE TYPE	FIXTURE UNITS (PER FIXTURE)
WATER CLOSET	8
URINAL	4
LAVATORY	2

PDI SIZE	FIXTURE UNITS (PER ARRESTOR)
A	1–11
B	12–32
C	33–60
D	61–113
E	114–154
F	155–330

NOTES:
1. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED IN SPECIFICATIONS.
2. WATER HAMMER ARRESTOR SIZING SHALL BE THE MORE STRINGENT OF THE TABLE ABOVE AND CURRENT PDI (PLUMBING & DRAINAGE INSTITUTE) REQUIREMENTS.
3. LOCATE WATER HAMMER ARRESTORS AS CLOSE TO BRANCH PIPING AS POSSIBLE.

HANGER ROD SIZING

PIPE AND TUBE SIZE (IN)	ROD SIZE (IN)
1/2 – 4	3/8
5 – 8	1/2
10 – 12	5/8

PER 2022 CPC TABLE 313.6

PIPE HANGER SCHEDULE

MATERIALS	TYPES OF JOINTS	HORIZONTAL	VERTICAL
CAST–IRON HUBLESS	CAST–IRON HUBLESS	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT; NOTES 1,2,3,4	BASE AND EACH FLOOR, NOT TO EXCEED 15 FEET
COPPER TUBE AND PIPE	SOLDERED OR BRAZED	1–1/2 INCHES AND SMALLER, 6 FEET; 2 INCHES AND LARGER, 10 FEET	EACH FLOOR, NOT TO EXCEED 10 FEET; NOTE 5
SCHEDULE 40 PVC AND ABS DWV	SOLVENT CEMENTED	ALL SIZES, 4 FEET; ALLOW FOR EXPANSION EVERY 30 FEET; NOTES 3,6	BASE AND EACH FLOOR; PROVIDE MID–STORY GUIDES; PROVIDE FOR EXPANSION EVERY 30 FEET; NOTE 6

NOTES:
1. HANGER SPACING PER CPC TABLE 313.3.
2. SEISMIC BRACING SPACING NOT TO EXCEED 40FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
3. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
   - 3.1. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
     - 3.1.1. PIPE SIZE IS 1" OR LESS, AND
     - 3.1.2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
     - 3.1.3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
   - 3.2. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
     - 3.2.1. PIPE SIZE IS 3" OR LESS, AND
     - 3.2.2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
     - 3.2.3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
4. SUPPORT ADJACENT TO JOINT, NOT TO EXCEED 18".
5. SUPPORT AT EACH HORIZONTAL BRANCH CONNECTION.
6. HANGERS SHALL NOT BE PLACED ON THE COUPLING.
7. SEE THE APPROPRIATE IAPMO INSTALLATION STANDARD FOR EXPANSION AND OTHER SPECIAL REQUIREMENTS.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	S or W	V	CW	HW	DESCRIPTION
DF-1	DRINKING FOUNTAIN CBC ACCESS	2"	1–1/2"	1/2"	---	ELKAY MODEL VRCTLDDMWSK, BOTTLE FILLING STATION & BI–LEVEL FOUNTAIN, NON–FILTERED NON–REFRIGERATED STAINLESS STEEL DRINKING FOUNTAIN. PUSH BUTTON VALVES. PROVIDE WITH FILTER AND SUPPORT CARRIER. INSTALL PER CBC ACCESS REQUIREMENTS.
FD-1	FLOOR DRAIN	2"	1–1/2"	TP	---	JR SMITH MODEL 2005Y, 5" DIAMETER ROUND NICKEL BRONZE TOP WITH 2" PIPE, FLANGE AND SEEPAGE PAN. PROVIDE TRAP PRIMER CONNECTION.
HB-1	HOSE BIBB	---	---	3/4"	---	WOODFORD MODEL B24, BENT NOSE WITH VACUUM BREAKER, ROUGH CHROME FINISH, VANDAL RESISTANT, REMOVABLE LOOSE KEY HANDLE.
L-1	LAVATORY STUDENT CBC ACCESS	2"	1–1/2"	3/4"	---	AMERICAN STANDARD MODEL 0356.421, "LUCERNE" ADA COMPLIANT WALL HUNG 21–1/4"X18–1/4" VITREOUS CHINA LAVATORY, SINGLE FAUCET HOLE FOR CHICAGO MODEL 333–E2805–665PSHABCP SINGLE TEMPERATURE PUSH BUTTON METERING FAUCET WITH 0.5 GPM AERATOR. METERING FAUCETS SHALL BE ADJUSTED TO FLOW FOR 10 SECONDS MINIMUM. PROVIDE SUPPLIES, STOPS AND 17 GAGE CHROME PLATED BRASS P–TRAP. WRAP SUPPLIES, STOPS AND P–TRAP PER CBC ACCESS REQUIREMENTS. PROVIDE ZURN NO. Z–1231 ADJUSTABLE CONCEALED ARM CARRIER WITH SLEEVE FOR WASTE. INSTALL PER CBC ACCESS REQUIREMENTS.
L-2	LAVATORY STAFF CBC ACCESS	2"	1–1/2"	3/4"	3/4"	AMERICAN STANDARD MODEL 0355.012, "LUCERNE" ADA COMPLIANT WALL HUNG 21–1/4"X18–1/4" VITREOUS CHINA LAVATORY, 2 FAUCET HOLES ON 4" CENTERS FOR CHICAGO MODEL 2200–4E2805ABCP LEVER HANDLE MIXING FAUCET WITH 0.5 GPM NON–AERATING SPRAY. PROVIDE SUPPLIES, STOPS AND 17 GAGE CHROME PLATED BRASS P–TRAP. WRAP SUPPLIES, STOPS AND P–TRAP PER CBC ACCESS REQUIREMENTS. PROVIDE ZURN NO. Z–1231 ADJUSTABLE CONCEALED ARM CARRIER WITH SLEEVE FOR WASTE. INSTALL PER CBC ACCESS REQUIREMENTS.
S-1	CLASSROOM SINK CBC ACCESS	2"	1–1/2"	1/2"	---	ELKAY MODEL DRKAD251765 "LUSTERTONE", CBC ACCESS COMPLIANT SELF RIMMING COUNTER MOUNTED SINK, 18 GAUGE TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT UNIT 25"X17"X6–1/2" OVERALL WITH 16"X13–1/2"X6–3/8" DEEP BOWL, 2 SLOTTED HOLE PUNCH FOR CHICAGO FAUCETS 350–E35VPCABCP GOOSNECK–SPOUT FAUCET, PROVIDE 1.5 GPM AERATOR. PROVIDE CHICAGO MODEL 748–665ABCP BUBBLER. PROVIDE ELKAY MODEL LK–99 DRAIN. PROVIDE ZURN MODEL Z8802LRLK–XL–PC LEAD–FREE ANGLE STOPS. INSTALL PER ADA REQUIREMENTS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB–1953 COMPLIANT.
TP-1	TRAP PRIMER	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. #PR–500 PRIME–RITE TRAP PRIMER. PROVIDE 12 X 12 ACCESS DOOR FOR CONCEALED UNIT. COORDINATE ACCESS DOOR LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS AND FINISHES.
U-1	URINAL CBC ACCESS	2"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 6550.001, "ALLBROOK" ADA COMPLIANT WALL MOUNTED VITREOUS CHINA BOWL, 0.5 GPF WITH SLOAN MODEL No. 186–0.125 MANUAL FLUSHOMETER VALVE (0.125 GPF), PROVIDE STAINLESS STEEL STRAINER MODEL 047068–0070A, PROVIDE MIFAB MODEL No. MC–32 CARRIER. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-1	WATER CLOSET STUDENT CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 3351.101, "AFWALL" WALL MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN ROYAL NO. 111–1.28–CO MANUAL FLUSHOMETER FLUSH VALVE. PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. PROVIDE ZURN WATER CLOSET CARRIER NO. Z1201 & Z1202 SERIES OR EQUAL. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-2	WATER CLOSET STUDENT	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 3351.101, "AFWALL" WALL MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN ROYAL NO. 111–1.28–CO MANUAL FLUSHOMETER FLUSH VALVE. PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. PROVIDE ZURN WATER CLOSET CARRIER NO. Z1201 & Z1202 SERIES OR EQUAL. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-3	WATER CLOSET KINDERGARDEN CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 2282.001, BABY DEVORO FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN ROYAL NO. 111–1.28–CO MANUAL FLUSHOMETER FLUSH VALVE. PROVIDE AMERICAN STANDARD 5001G.055 OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-4	WATER CLOSET STAFF CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 3043.001, "MADERA FLOWISE 16.5" FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN MODEL No. 111–1.28 MANUAL FLUSHOMETER VALVE (1.28 GPF). PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-5	WATER CLOSET STAFF	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 2234.001, "MADERA FLOWISE 15" FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN MODEL No. 111–1.28 MANUAL FLUSHOMETER VALVE (1.28 GPF). PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WHA-1	WATER HAMMER ARRESTOR	---	---	PER SCH.	---	SIOUX CHIEF SERIES 650, TYPE "L" COPPER TUBE PISTON TYPE WATER HAMMER ARRESTOR, SUITABLE FOR CONCEALED INSTALLATION, SIZE PER PDI REQUIREMENTS. ASSE 1010 LISTED. INSTALL PER MANUFACTURER RECOMMENDATIONS.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

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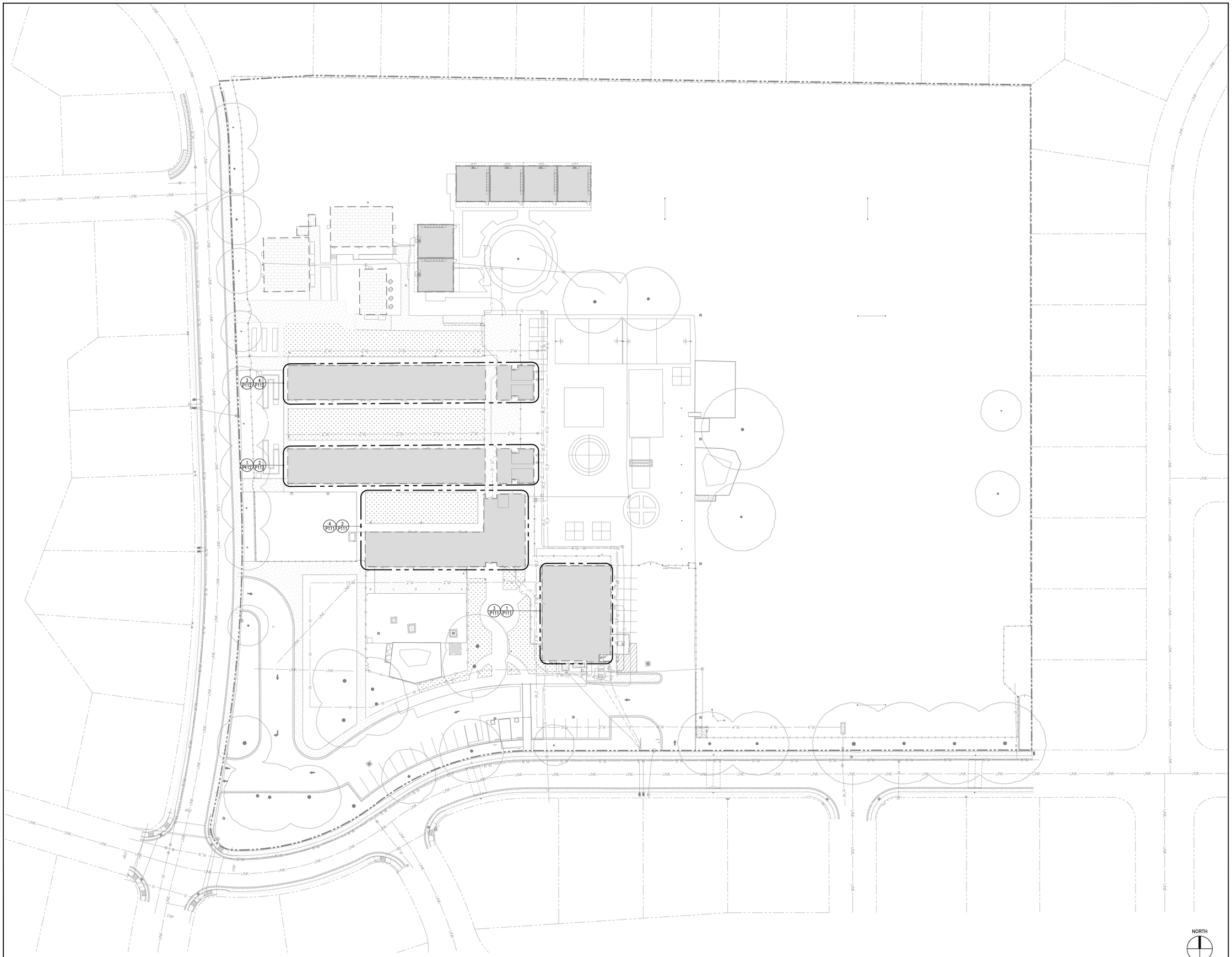
SHEET TITLE

PLUMBING SCHEDULES

SHEET NO.

P002

INCREMENT NO. 1



1 PLUMBING SITE PLAN
SCALE 1" = 30'-0"

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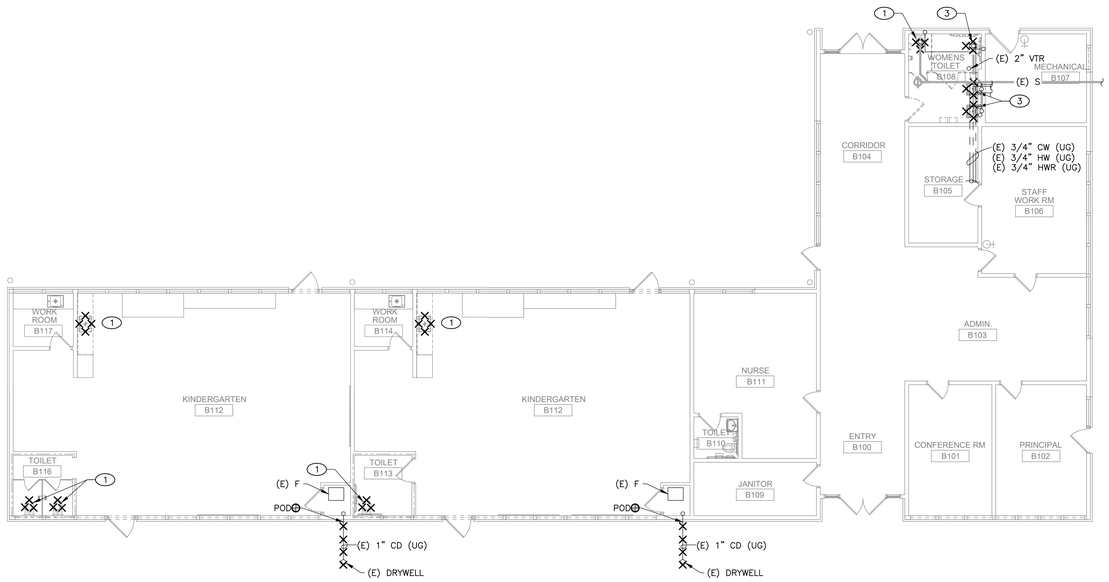
SHEET TITLE

PLUMBING SITE PLAN

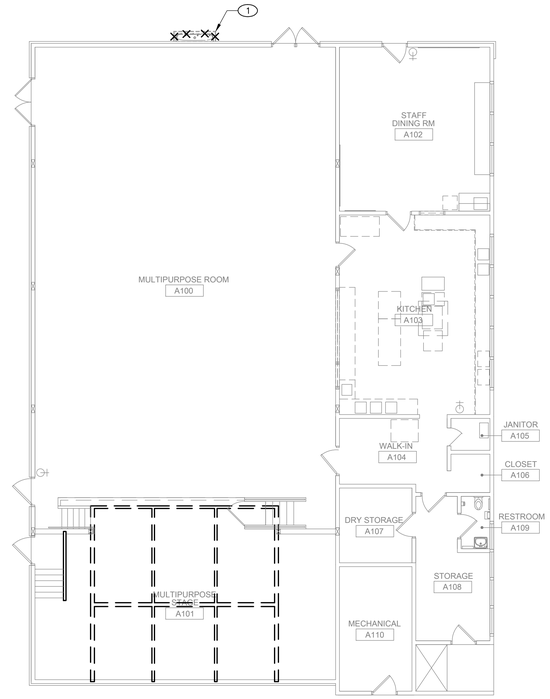
SHEET NO.

P100



2 PLUMBING BUILDING B FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



1 PLUMBING BUILDING A FLOOR PLAN - DEMOLITION

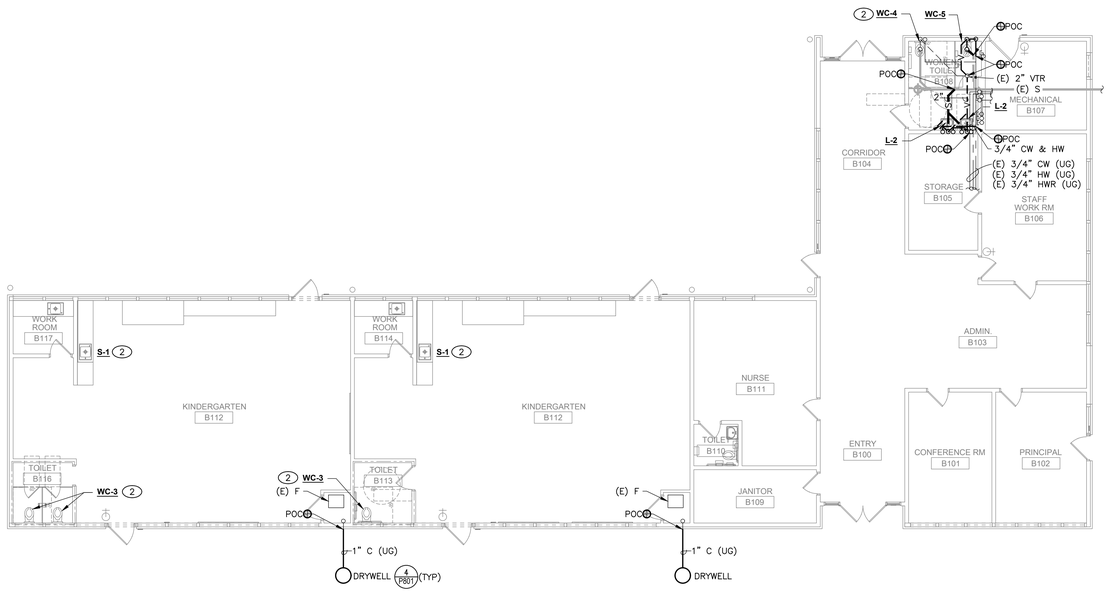
SCALE 1/8" = 1'-0"

KEY NOTES

1. REMOVE EXISTING FIXTURE SHOWN HATCHED. PIPING TO BE MODIFIED FOR CONNECTION TO NEW FIXTURE.
2. ADJUST EXISTING PIPING AS NEEDED FOR FIXTURE. SEE ARCHITECTURAL PLANS FOR NEW FIXTURE LOCATION.
3. REMOVE EXISTING FIXTURE SHOWN HATCHED. CAP RELATED PIPING BEHIND FINISHED SURFACES.

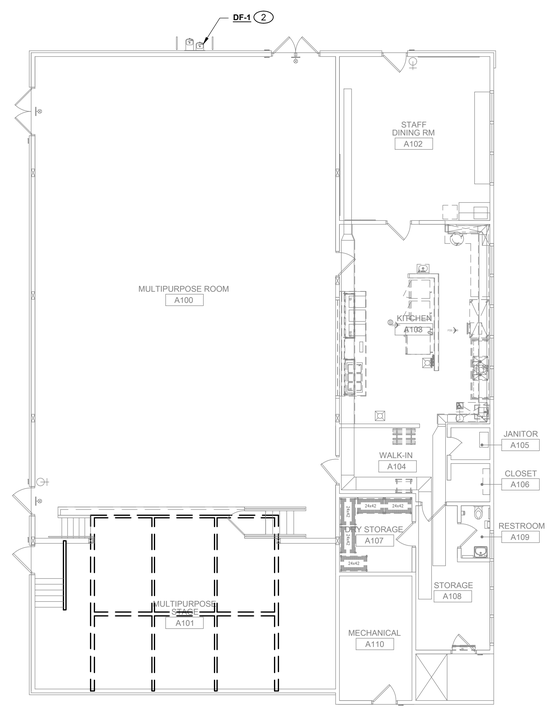
GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.



4 PLUMBING BUILDING B FLOOR PLAN - NEW

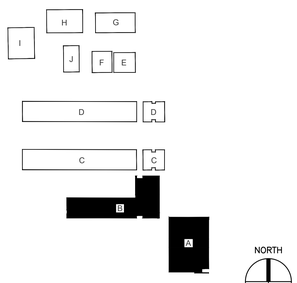
SCALE 1/8" = 1'-0"



3 PLUMBING BUILDING A FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"

KEYPLAN:



NORTH

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

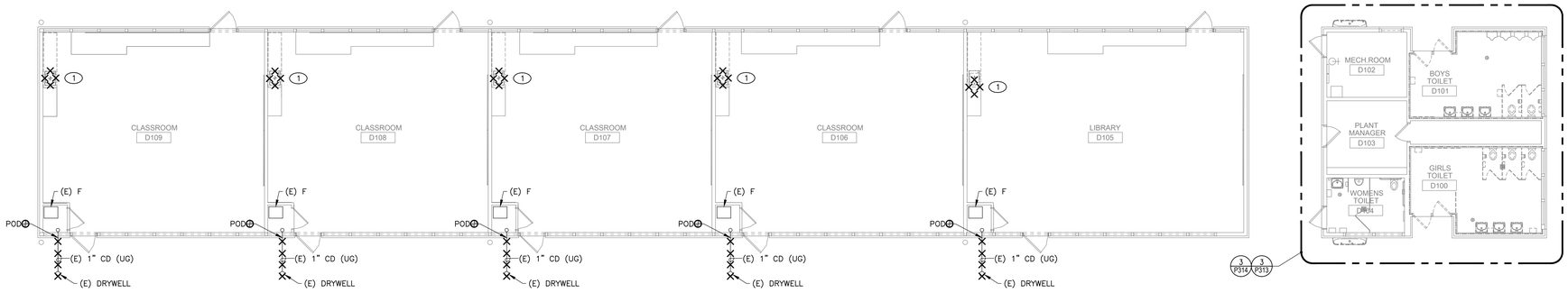
JOB NO.: Y2524.00

SHEET TITLE

PLUMBING FLOOR PLANS - BUILDING A & B

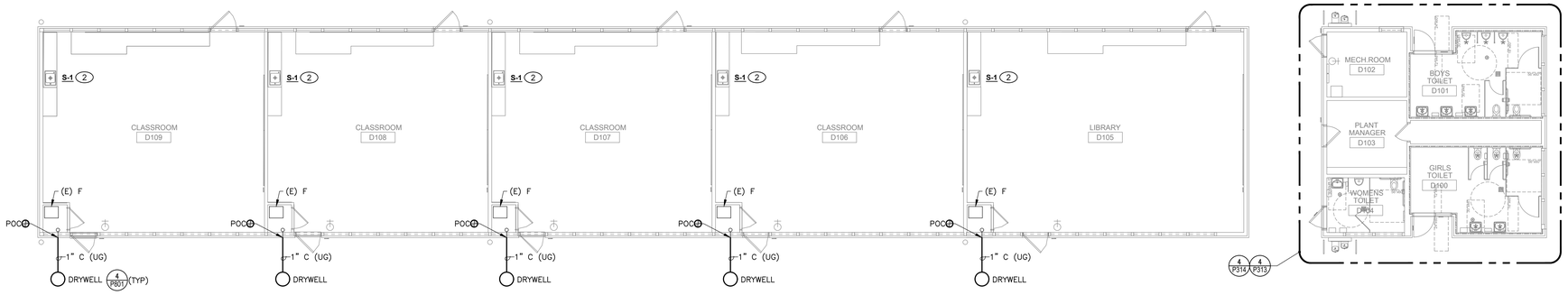
SHEET NO.

P111



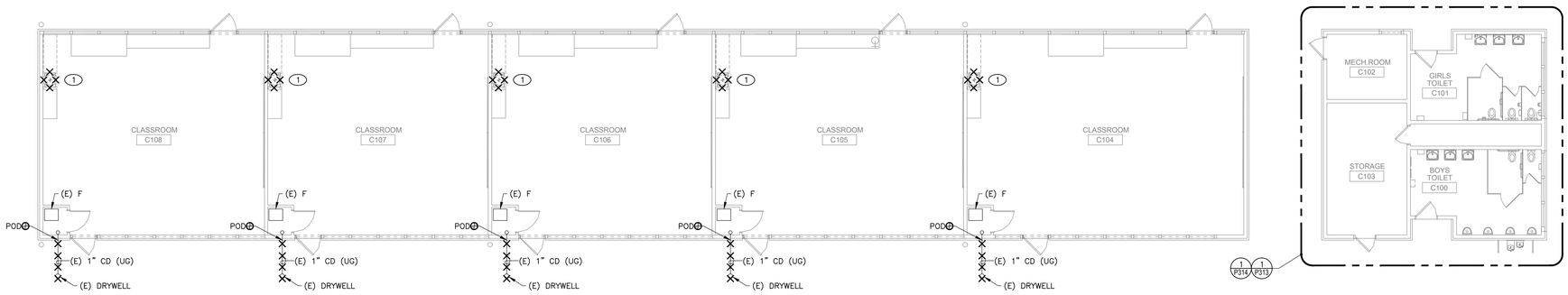
1 PLUMBING BUILDING D FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



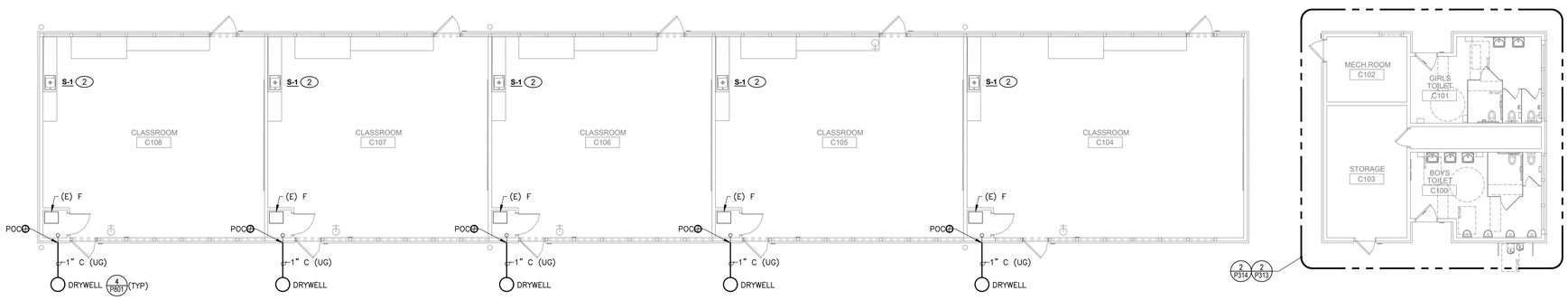
2 PLUMBING BUILDING D FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"



3 PLUMBING BUILDING C FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



4 PLUMBING BUILDING C FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"

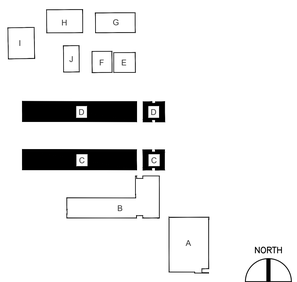
KEY NOTES

1. REMOVE EXISTING FIXTURE SHOWN HATCHED. PIPING TO BE MODIFIED FOR CONNECTION TO NEW FIXTURE.
2. ADJUST EXISTING PIPING AS NEEDED FOR FIXTURE. SEE ARCHITECTURAL PLANS FOR NEW FIXTURE LOCATION.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2140

REGISTERED PROFESSIONAL ENGINEER
RYAN EINNIS
M 41413
REN. 03-31-27
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nacht&lewis
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

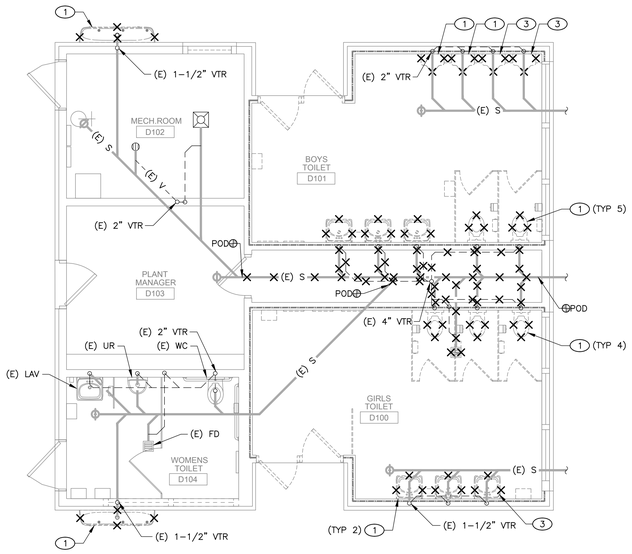
JOB NO.: Y2524.00

SHEET TITLE

PLUMBING FLOOR PLANS BUILDING C & D

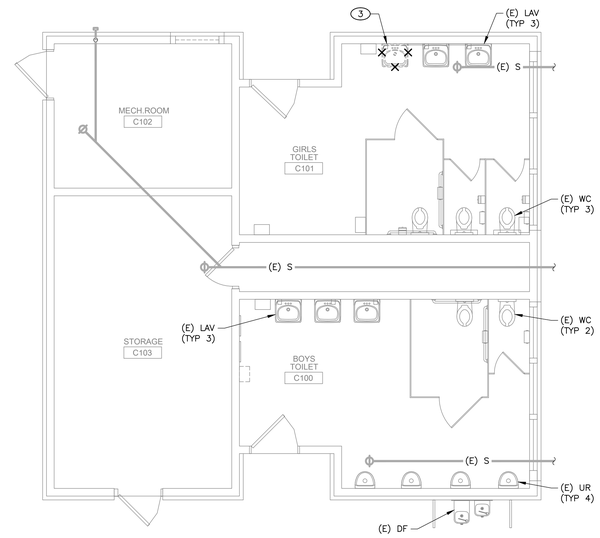
SHEET NO.

P112



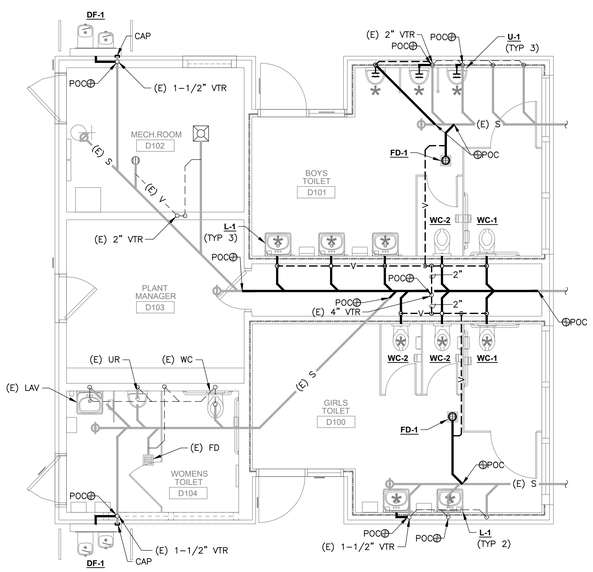
3 ENLARGED WASTE & VENT BUILDING D RESTROOM PLAN - DEMOLITION

SCALE 3/8" = 1'-0"



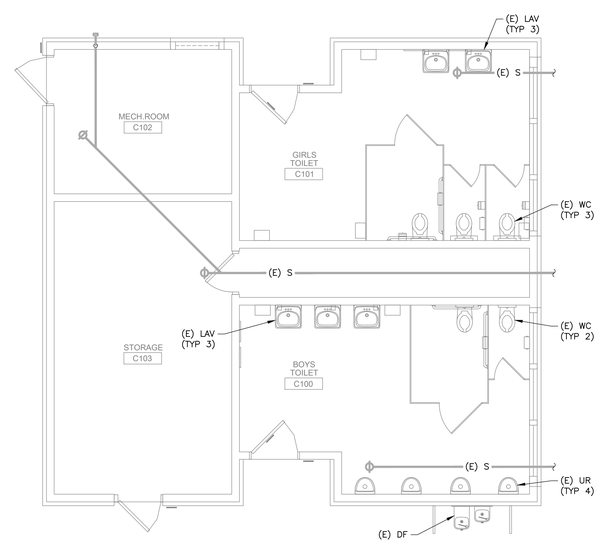
1 ENLARGED WASTE & VENT BUILDING C RESTROOM PLAN - DEMO

SCALE 3/8" = 1'-0"



4 ENLARGED WASTE & VENT BUILDING D RESTROOM PLAN - NEW

SCALE 3/8" = 1'-0"



2 ENLARGED WASTE & VENT BUILDING C RESTROOM PLAN - NEW

SCALE 3/8" = 1'-0"

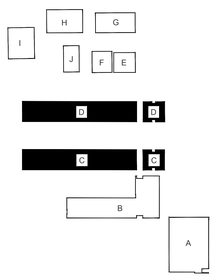
KEY NOTES

1. REMOVE EXISTING FIXTURE SHOWN HATCHED.
2. REMOVE EXISTING PIPING SHOWN HATCHED BACK TO POD.
3. REMOVE EXISTING FIXTURE SHOWN HATCHED. CAP RELATED PIPING BEHIND FINISHED SURFACES.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEYPLAN:



NORTH

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CALIFORNIA MONTESSORI CAPITAL
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

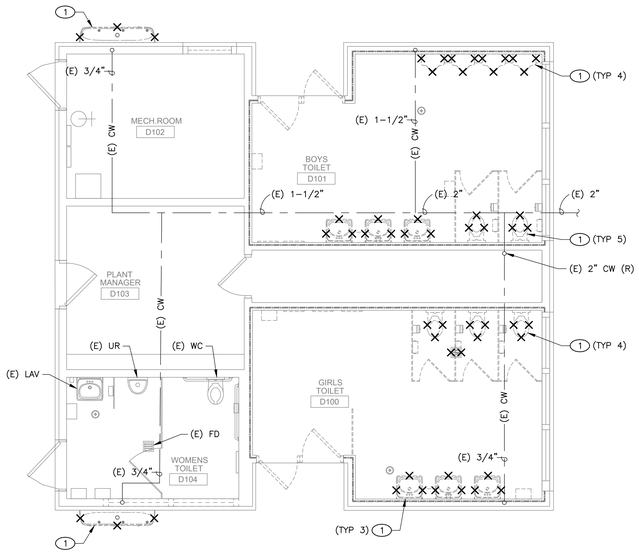
JOB NO.: Y2524.00

SHEET TITLE

PLUMBING ENLARGED RESTROOM PLANS - BUILDINGS C & D - WASTE & VENT

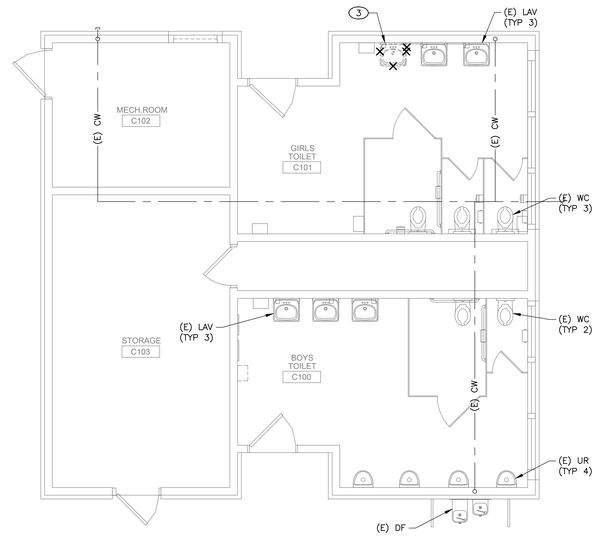
SHEET NO.

P313



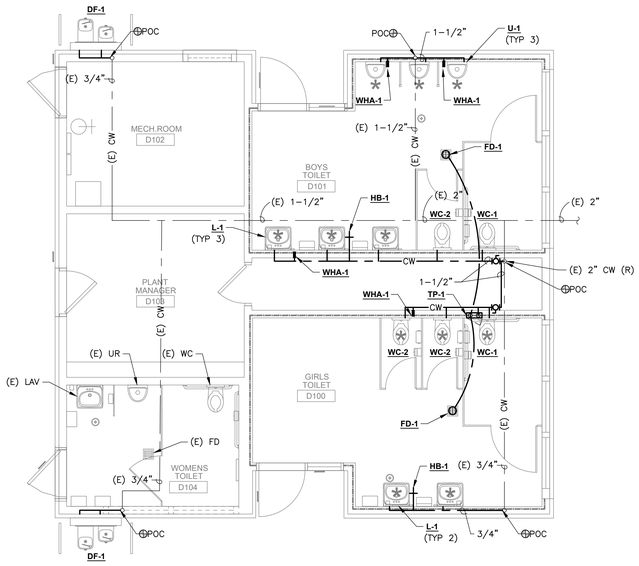
3 ENLARGED DOMESTIC WATER BUILDING D RESTROOM PLAN - DEMOLITION

SCALE 3/8" = 1'-0"



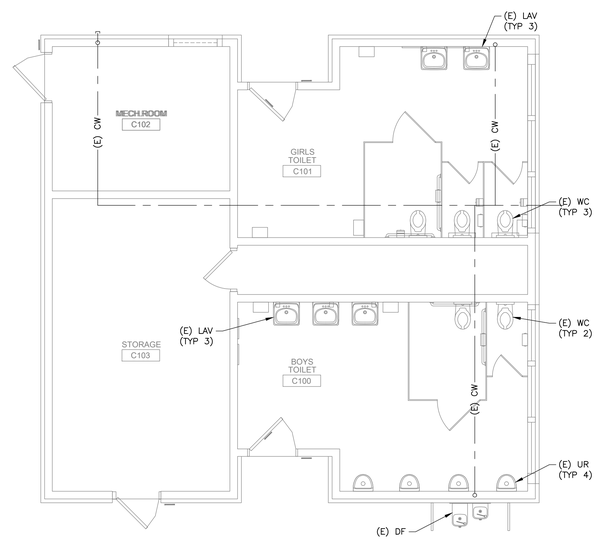
1 ENLARGED DOMESTIC WATER BUILDING C RESTROOM PLAN - DEMO

SCALE 3/8" = 1'-0"



4 ENLARGED DOMESTIC WATER BUILDING D RESTROOM PLAN - NEW

SCALE 3/8" = 1'-0"



2 ENLARGED DOMESTIC WATER BUILDING C RESTROOM PLAN - NEW

SCALE 3/8" = 1'-0"

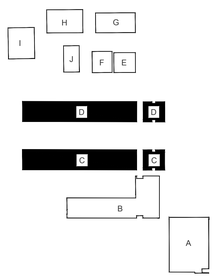
KEY NOTES

1. REMOVE EXISTING FIXTURE SHOWN HATCHED.
2. REMOVE EXISTING PIPING SHOWN HATCHED BACK TO POD.
3. REMOVE EXISTING FIXTURE SHOWN HATCHED. CAP RELATED PIPING BEHIND FINISHED SURFACES.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEYPLAN:



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ARCHITECT

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DATE: 12/12/2025

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SHEET TITLE

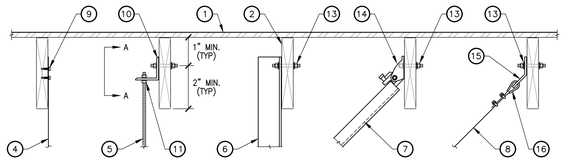
PLUMBING ENLARGED RESTROOM PLANS - BUILDINGS C & D - DOMESTIC WATER

SHEET NO.

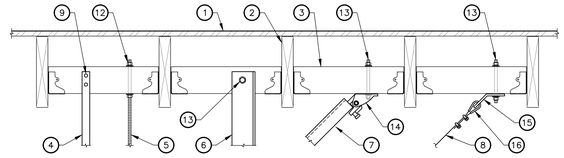
P314

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

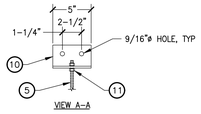
1. FLOOR/ROOF, SEE STRUCTURAL DRAWINGS
2. FLOOR/ROOF FRAMING, SEE STRUCTURAL DRAWINGS
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 1" x 20 GA. GALV. SHEET METAL STRAP
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. 3"x3"x1/4" GALVANIZED STEEL ANGLE
7. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
9. (2) #12 x 1" SMS, 2" O.C. MIN.
10. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER
11. NUT, TOP AND BOTTOM
12. NUT AND WASHER, TOP AND BOTTOM
13. 3/8"ø THREADED ROD THROUGH SUPPORT MEMBER WITH NUT AND WASHER EA END
14. UNIVERSAL SWAY BRACE UPPER ATTACHMENT, B-LINE TOLCO FIG. 980 OR EQUAL
15. 2"x3"x1/4" x 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
16. CABLE THIMBLE AND CABLE CLIPS



AT FRAMING MEMBERS



BETWEEN FRAMING MEMBERS

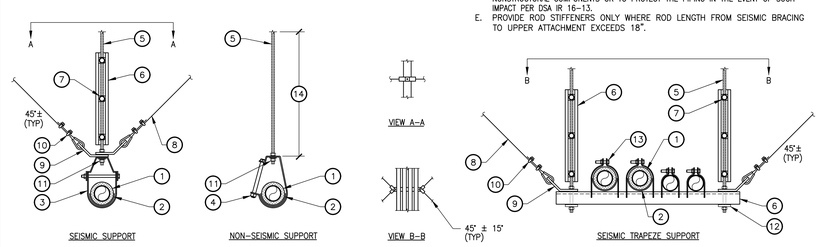


VIEW A-A

HANGER UPPER ATTACHMENTS (WOOD) | NTS | 1

1. PIPE, SEE PLAN FOR SIZE AND ROUTING
2. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
3. STANDARD CLEVIS PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3100 OR EQUAL
4. ADJUSTABLE 'J' PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL
7. ROD STIFFENER, B-LINE MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
9. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
10. CABLE THIMBLE AND CABLE CLIPS
11. NUT AND WASHER, TOP AND BOTTOM
12. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B2012N OR EQUAL
13. PIPE CLAMP, B-LINE SERIES B2000 OR EQUAL
14. LENGTH FROM PIPE SUPPORT POINT TO THE CONNECTION AT THE SUPPORTING STRUCTURE NOT TO EXCEED 12".

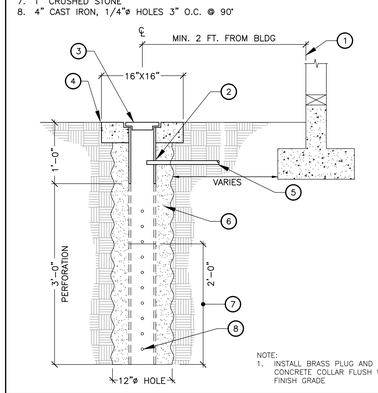
NOTES:
A. HANGER SPACING PER CPC TABLE 313.3.
B. SEISMIC BRACING SPACING NOT TO EXCEED 40FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
C. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
C.A. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
C.A.A. PIPE SIZE IS 1" OR LESS, AND
C.A.B. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
C.A.C. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
C.B. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
C.A.A. PIPE SIZE IS 3" OR LESS, AND
C.A.B. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
C.A.C. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
D. PROVISIONS SHALL BE MADE TO AVOID IMPACT WITH OTHER STRUCTURAL OR NONSTRUCTURAL COMPONENTS OR TO PROTECT THE PIPING IN THE EVENT OF SUCH IMPACT PER DSA IR 16-13.
E. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".



SEISMIC SUPPORT | NON-SEISMIC SUPPORT | VIEW A-A | VIEW B-B | SEISMIC TRAPEZE SUPPORT

PIPE HANGER DETAIL | NTS | 2

1. FACE PF EXISTING WALL.
2. DRILL FOR DRAIN
3. 4" RECESSED BRASS PLUG INSTALL FLUSH TO GRADE
4. PATCH & SEAL TO MATCH EXISTING GRADE.
5. CONDENSATE DRAIN FROM MECHANICAL CLOSET.
6. PEA GRAVEL
7. 1" CRUSHED STONE
8. 4" CAST IRON, 1/4"ø HOLES 3" O.C. @ 90°

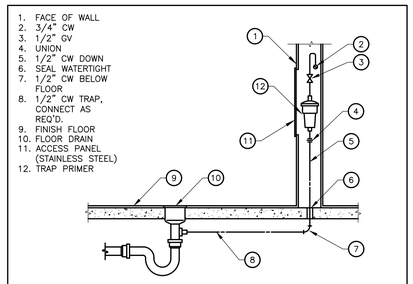


NOTE:
1. INSTALL BRASS PLUG AND CONCRETE COLLAR FLUSH WITH FINISH GRADE

PP2011A

CONDENSATE DRAIN DRYWELL | NTS | 4

1. FACE OF WALL
2. 3/4" CW
3. 1/2" GV
4. UNION
5. 1/2" CW DOWN
6. SEAL WATERTIGHT
7. 1/2" CW BELOW FLOOR
8. 1/2" CW TRAP, CONNECT AS REQ'D.
9. FINISH FLOOR
10. FLOOR DRAIN
11. ACCESS PANEL (STAINLESS STEEL)
12. TRAP PRIMER



PPIED42A

TRAP PRIMER PIPING DETAIL | NTS | 3

INCREMENT NO. 1

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SHEET TITLE

PLUMBING DETAILS

SHEET NO.

P801

ONE AND ONE-HALF INCH = ONE FOOT
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THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

DEMOLITION GENERAL NOTES

ALL DEMOLITION GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. EXISTING ELECTRICAL MAIN SERVICE IS BEING REPLACED WITH NEW THAT IS TO BE INCLUDED IN THE SCOPE OF WORK. CONTRACTOR SHALL VERIFY AND COORDINATE THE SEQUENCE OF WORK WITH THE LOCAL UTILITY COMPANY, THE OWNER/DISTRICT'S REPRESENTATIVE, AND OTHER TRADES AT THE EARLIEST START OF CONSTRUCTION FOR ALL REQUIREMENTS AND SCHEDULING OF THE REQUIRED WORK FOR A SMOOTH AND TIMELY TRANSFORMATION FROM THE EXISTING SERVICE TO THE NEW SERVICE TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY. LIMIT THE ELECTRICAL SHUTDOWN TO A MINIMUM SO IT WILL NOT AFFECT THE EXISTING FACILITY'S NORMAL DAILY FUNCTIONS AND OPERATION.
3. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER/DISTRICT'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWN. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER/DISTRICT'S REPRESENTATIVE.
4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER/DISTRICT'S REPRESENTATIVE ARE DEEMED SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER/DISTRICT. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR ACCORDINGLY.
5. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER/DISTRICT'S REPRESENTATIVE.
6. WHERE EXISTING CONCEALED CONDUITS, WHETHER SHOWN OR NOT, OR SPECIFIED TO BE REUSED, WHICH BECAME EXPOSED DUE TO CONSTRUCTION CHANGES, IT SHALL BE REROUTED TO THE NEAREST AVAILABLE REUSED OUTLET.
7. ALL EXISTING EXPOSED CONDUITS AND/OR WIRING THAT ARE DETERMINED BY THE DISTRICT AND ARCHITECT TO BE MAINTAINED FOR EXISTING SYSTEM FUNCTION AND CONTINUITY, WHETHER SHOWN ON PLAN OR NOT, ARE TO BE REROUTED CONCEALED IN WALL AND/OR CEILING FOR A CLEAN FINISHED SURFACE WITH NO EXPOSED CONDUITS AND/OR WIRING WITHIN THE REMODELED AREA.
8. REMOVE ALL EXISTING EXPOSED CONDUITS, WIRING, ELECTRICAL OUTLETS, DEVICES, AND EQUIPMENT THAT ARE DETERMINED BY THE DISTRICT REPRESENTATIVE/OWNER AND ARCHITECT TO BE NON FUNCTIONAL AND/OR NOT BEING USED FROM WITHIN THE REMODELED AREA FOR A CLEAN FINISHED SURFACE.
9. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
   A. REMOVE ALL WIRE AND CABLE.
   B. REMOVE ALL DEVICES AND EQUIPMENT.
   C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREAS, AS FAR AS POSSIBLE.
   D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
10. WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER/DISTRICT'S REPRESENTATIVE.
11. WHERE SHOWN ON PLAN FOR REMOVAL OF EXISTING CONDUITS, REMOVE ALL PORTIONS OF CONDUITS WHERE IT IS ACCESSIBLE AND ABANDON PORTIONS OF CONDUITS WHERE IT IS INACCESSIBLE. CUT OFF AND CAP ALL ABANDONED CONDUITS. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
12. CONTRACTOR SHALL UPDATE WITH NEW TYPEWRITTEN PANEL DIRECTORIES TO EXISTING PANELS INVOLVED IN THIS RENOVATION WORK THAT SHALL REFLECT ALL CHANGES TO THE CIRCUIT DESIGNATIONS.
13. PROVIDE AND INSTALL PROTECTIVE COVERING OVER EXISTING EQUIPMENT IN AREA WHEN INSTALLING ANY NEW WORK.
14. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
15. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR HEATERS, EXHAUST FANS, WATER HEATERS, PUMPS, ETC., WHICH ARE REQUIRED TO BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY THE MECHANICAL AND/OR PLUMBING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR FOR REMOVAL OF ALL APPLICABLE STARTERS, DISCONNECT SWITCHES, AND ASSOCIATED CONDUIT, AND WIRING.
16. ALL LIGHT FIXTURES INDICATED AS RELOCATED SHALL BE CLEANED AND RE-LAMPED PRIOR TO THE RE-INSTALLATION.

MEP COMPONENT ANCHORAGE NOTE

APPLICABLE CODE: 2022 CBC

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

APPLICABLE CODE: 2022 CBC PER IR 16-13.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP MD PP E
☐ ☐ ☐ ☒ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP MD PP E
☐ ☐ ☐ ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP MD PP E
☐ ☐ ☐ ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

GENERAL NOTES

ALL GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS. SOME OF THE GENERAL NOTES ARE EXCERPTS FROM THE SPECIFICATION.
2. THE ELECTRICAL DRAWINGS CONTAIN INFORMATION THAT DESCRIBES THE GENERAL DESIGN INTENT FOR THE INDICATED SCOPE OF WORK. SUCH INFORMATION IS DIAGRAMMATIC IN NATURE AND SHALL NOT BE CONSIDERED COMPREHENSIVE OF ALL LABOR, MATERIAL AND EQUIPMENT FOR A FULL PERFORMANCE AND COMPLETION OF THE SCOPE. THE ELECTRICAL CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS, VERIFYING FIELD CONDITIONS PRIOR TO COMMENCING WORK, AND ALL MEANS AND METHODS REQUIRED IN COMPLETING THE WORK.
3. PROCURE PERMITS AND LICENSES REQUIRED. PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES AND ORDINANCES AND UTILITY COMPANIES.
4. COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCHING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM.
5. WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
6. INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES (CEC, STATE, COUNTY AND CITY).
7. DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
8. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
9. ALL ELECTRICAL DEVICES AND EQUIPMENT, FIXTURES, CONDUITS AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
10. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CBC AND ELECTRICAL CODES.
11. THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
12. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
13. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
14. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES) BETWEEN THE LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
15. BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL, WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
16. PLACEMENT AND CIRCUITING OF EXIT SIGNS AND EGRESS LIGHTING SHALL COMPLY WITH CBC REQUIREMENTS.
17. ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
18. PROVIDE ALL NECESSARY SLEEVES AND INSERTS FOR ALL WORK PASSING THROUGH OR ATTACHING TO WALLS, FLOORS, OR CEILINGS.
19. ALL WIRING SHALL BE INSTALLED IN RIGID METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED CONCEALED IN WALL AND CEILING MAY BE EMT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR UNDER SLAB. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL CONDUITS WITH THREADED TYPE FITTINGS. INSTALL ALL CONDUITS IN ACCORDANCE WITH CECA STANDARDS OF INSTALLATION.
20. ELECTRICAL NON-METALLIC TUBING (ENT) AND MC CABLE ARE NOT PERMITTED TO BE USED FOR THIS PROJECT, NO EXCEPTIONS.
21. WHERE EXISTING CONDUITS, CONCEALED OR EXPOSED, AND (WIREMOLD) SURFACE RACEWAY IS NOT IN PLACE AS SHOWN ON PLANS, PROVIDE NEW CONDUITS AND (WIREMOLD) SURFACE RACEWAY FOR THE NEW WORK. VERIFY EXISTING CONDITION ON SITE AND PROVIDE ALL NECESSARY NEW MATERIAL, APPARATUS, AND WORK THAT ARE REQUIRED TO BE INCLUDED IN THE BID PACKAGE.
22. CONDUCTORS, #8 AND LARGER, SHALL BE STRANDED COPPER WITH THNN/THWN INSULATION, UNLESS OTHERWISE NOTED.
23. PROVIDE WORKING CLEARANCE PER CEC 110.26 FOR SERVICE PANEL, SUBPANELS, MOTOR DISCONNECT SWITCHES, CONTROL SECTIONS. HVAC EQUIPMENT, APPLIANCES, ETC.
24. PROVIDE A WARNING LABEL (SIGN) CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC 110.16 OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER CEC SECTION 110.24(A).
25. BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATING AND BRACING. PROVIDE A.I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATING TO BE USED IS LOWER THAN MAIN SERVICE RATING.
26. ALL APPLIANCES SHALL COMPLY WITH CEC ARTICLE 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-III; BRANCH CIRCUITS PER 422-II.
27. BUILDING EXPANSION JOINTS MAY OR MAY NOT BE INDICATED ON THE ELECTRICAL DRAWINGS. VERIFY THE LOCATIONS OF ALL APPLICABLE BUILDING EXPANSION JOINTS WITH THE ARCHITECTURAL DRAWINGS. WIRING METHODS ACROSS EXPANSIONS JOINTS SHALL INCLUDE USE OF FLEXIBLE FITTINGS OR OTHER DEVICES AS APPROPRIATE TO EACH APPLICATION. IN NO CASE SHALL CONDUIT CROSS SUCH A JOINT IN BUILDING CONSTRUCTION WITHOUT USE OF THE APPROPRIATE WIRING METHODS.
28. CONTRACTOR SHALL SIZE ALL THE INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 314.16 AND COMPLY WITH CEC 314.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
29. WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
30. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS AND PROVIDES ALL CONDUITS AND CONTROL WIRING AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT IS NOT SHOWN ON THE ELECTRICAL PLANS.
31. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE FOR THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATION WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURBS WHERE POSSIBLE. VERIFY ON-SITE.
32. PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER U.M.C. WHERE LOCATED OUTSIDE, PROVIDE WEATHER PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
33. VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTIONS ARE REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
34. SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE SIZE AND TYPE REQUIRED AND SHALL BE SERVED WITH QUANTITY OF WIRES AS REQUIRED. REFER TO DIVISION 23 MECHANICAL PLANS AND SPECIFICATIONS.
35. COORDINATE THE HVAC EQUIPMENT FOR FUSES REQUIRE. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE FOR HVAC EQUIPMENT PER UNIT NAMEPLATE SPECIFICATIONS.
36. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-IX AND 440.II.
37. MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
38. ALL CONNECTIONS FROM THE DISCONNECT SWITCHES TO HVAC UNITS SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-II.
39. VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
40. ALL TERMINATION PROVISIONS OF EQUIPMENT, INCLUDING CIRCUITS RATED 100 AMPERES OR LESS, SHALL BE RATED AT 60 DEGREE, CENTIGRADE PER CEC 110.14(c).
41. ALL LIGHT FIXTURES INSTALLED OVER FOOD HANDLING OR FOOD PREPARATION AREAS, OPEN FOOD STORAGE AND UTENSIL WASHING AREAS SHALL BE OF SHATTERPROOF CONSTRUCTION OR SHALL BE PROTECTED WITH SHATTERPROOF SHIELDS AND SHALL BE READILY CLEANABLE.
42. ALL CONDUITS SHALL BE CONCEALED BELOW SLAB, IN WALLS AND/OR ABOVE CEILINGS EXCEPT IN ELECTRICAL ROOMS, MECHANICAL ROOMS, AND OTHER SIMILAR UTILITY ROOMS AS APPROVED BY THE ARCHITECT. NO CONDUIT SHALL BE EXPOSED ON EXTERIOR BUILDING SURFACES WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
43. PROVIDE A CODE SIZED GROUND CONDUCTOR IN ALL CONDUITS WHETHER INDICATED ON PLANS OR NOT.

ELECTRICAL ABBREVIATIONS

ABBREV	DESCRIPTIONS
A, AMP	AMPERES
AC	ABOVE COUNTER
AF/AT	AMPERE FRAME / AMPERE TRIP
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AS/AF	AMPERE SWITCH / AMPERE FUSE
AT	AMPERE TRIP RATING OF BREAKER
AUTO	AUTOMATIC
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BMS	BUILDING MANAGEMENT SYSTEM
C, CDT	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CFL	COMPACT FLUORESCENT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
cmil	CIRCULAR MIL
CO	CONDUIT ONLY w/PULL STRING
CSFM	CALIFORNIA STATE FIRE MARSHALL
CT	CURRENT TRANSFORMER
CU	COPPER
DET	DETAIL
DISC	DISCONNECT
DIST	DISTRIBUTION
DSA	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEV, EL	ELEVATION
EM, EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
EOL	END OF LINE RESISTOR
EOR	ENGINEER OF RECORD
EPO	EMERGENCY POWER OFF
EQPT	EQUIPMENT
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
EXH	EXHAUST
(E)	EXISTING
(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FF	FINISHED FLOOR
FG	FINISHED GRADE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FMC	FLEXIBLE METAL CONDUIT
FMT	FLEXIBLE METAL TUBING
GB	GROUNDING BUSBAR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND-FAULT CURRENT INTERRUPTER
GFPE	GROUND-FAULT PROTECTION OF EQUIPMENT
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HVAC	HEATING, VENTILATION & AIR CONDITIONING
Hz	HERTZ (cycle per second)
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
ISC, SC	SHORT CIRCUIT
ISOL	ISOLATED
JBOX	JUNCTION BOX
kcmil	ONE THOUSAND CIRCULAR MILS
kV	KILOVOLTS
kW	KILOWATTS
kVA	KILOVOLT-AMPERES
LED	LIGHT-EMITTING DIODE
LCP	LIGHTING CONTROL PANEL
LPG	LIQUEFIED PETROLEUM GAS
LRC	LOCKED-ROTOR CURRENT
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS & EQUIPMENT GROUND-FAULT PROTECTION
LTG	LIGHTING

ABBREV	DESCRIPTIONS
MAX	MAXIMUM
MC	METAL-CLAD CABLE
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MGB	MAIN GROUNDING BUSBAR
MG SET	MOTOR-GENERATOR SET
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPOE	MINIMUM POINT OF ENTRY
MS	MOTION SENSOR
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE CABLE
MW	MEGAWATTS
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORIES
NTS	NOT TO SCALE
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH, P	PHASE OR POLE
PB	PULL BOX
PF	POWER FACTOR
PFB	PROVIDE FOR FUTURE BREAKER
PIV	POST INDICATOR VALVE
PLC	PROGRAMMABLE LOGIC CONTROLLERS
PNL	PANEL
PoE	POWER OVER INTERNET
PV	PHOTOVOLTAICS
PVC	POLYVINYL CHLORIDE
PWR	POWER
(R)	RELOCATED
RCP	REFLECTED CEILING PLAN
REC, RECPT	RECEPTACLE
REQD	REQUIRED
RGSC	RIGID GALVANIZED STEEL CONDUIT
RMC	RIGID METAL CONDUIT
RMS	ROOT-MEAN-SQUARE
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SCR	SILICON CONTROLLED RECTIFIER
SHLD	SHIELDED
SPD	SURGE-PROTECTIVE DEVICE
SPECS	SPECIFICATIONS
SW	SWITCH
T, XFMR	TRANSFORMER
TEMP	TEMPORARY
THHN	THERMOPLASTIC, HEAT RESISTANT CABLE, NYLON JACKET OUTER SHEATH
THWN	THERMOPLASTIC, HEAT AND MOISTURE RESISTANT CABLE, NYLON JACKET OUTER SHEATH
TR	TAMPER-RESISTANT
TS	TAMPER SWITCH
TSTAT	THERMOSTAT
TYP	TYPICAL
UG	UNDERGROUND
UGPS	UNDERGROUND PULL SECTION
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS
VA	VOLT-AMPERE
Vac	VOLTS ALTERNATING CURRENT
Vdc	VOLTS DIRECT CURRENT
VNEM	VIRTUAL NET ENERGY METERING
W	WATTS
W-hr	WATT-HOUR
w/	WITH
WP	WEATHERPROOF
WPL	WEATHERPROOF LOCKING
WPU	WEATHERPROOF WHILE IN USE
WR	WEATHER RESISTANT
(X)	REMOVE OR DEMO

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET TITLE
E001	ELECTRICAL SHEET INDEX, ABBREVIATIONS, AND NOTES
E002	ELECTRICAL SYMBOL LEGEND
E100	ELECTRICAL SITE PLAN
E101	ENLARGED ELECTRICAL SITE PLAN – DEMOLITION
E102	ENLARGED SITE PHOTOMETRIC PLAN
E111	ELECTRICAL FLOOR PLANS BUILDING B
E112	ELECTRICAL FLOOR PLANS BUILDING C & D
E211	ELECTRICAL LIGHTING PLANS BUILDING B
E212	ELECTRICAL LIGHTING PLANS BUILDING C & D
E312	ENLARGED ELECTRICAL RESTROOM PLANS BUILDING C & D
E511	ELECTRICAL ONE-LINE DIAGRAM – DEMO
E512	ELECTRICAL ONE-LINE DIAGRAM – NEW
E711	ELECTRICAL PANEL SCHEDULES
E811	ELECTRICAL DETAILS
E911	TITLE 24 ENERGY COMPLIANCE FORMS
E912	TITLE 24 ENERGY COMPLIANCE FORMS

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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SHEET TITLE

ELECTRICAL SHEET INDEX, ABBREVIATION, AND NOTES

SHEET NO.

E001

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

SYMBOL	DESCRIPTION
	POWER
	MAIN SWITCHBOARD OR DISTRIBUTION BOARD, PAD OR FLOOR MOUNTED AS NOTED.
	RECESSED MOUNTED LIGHTING OR DISTRIBUTION PANEL
	SURFACE MOUNTED LIGHTING OR DISTRIBUTION PANEL
	RECESSED TERMINAL CABINET WITH 3/4"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UNO.
	SURFACE MOUNTED TERMINAL CABINET WITH 3/4"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UNO.
	GROUND BUS BAR
T	DISTRIBUTION TRANSFORMER, MOUNTING AND SIZE AS NOTED
	NON-FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH
F	FUSED DISCONNECT SWITCH; SIZE DISCONNECT AND FUSES PER UNIT LABEL
	MOTOR STARTER/CONTROLLER
	COMBINATION CIRCUIT BREAKER DISCONNECT/MOTOR STARTER
	COMBINATION FUSIBLE DISCONNECT/MOTOR CONTROLLER; PROVIDE FUSES PER MANUFACTURER'S REQUIREMENTS. N.F. INDICATES NON-FUSED
	POWER POINT OF CONNECTION
	DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO. SPLIT-WIRED CIRCUIT, TOP RECEPTACLE SWITCHED CONTROLLED.
A	DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO. SUBSCRIPT TEXT WHERE OCCURS, SEE RECEPTACLE SUBSCRIPT LEGEND BELOW.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND DUPLEX RECEPTACLE, 20A, 125V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND GFCI DUPLEX RECEPTACLE 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DOUBLE DUPLEX MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUNDED DOUBLE DUPLEX RECEPTACLE 20A, 125V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO
	GFCI DOUBLE DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	SPECIAL RECEPTACLE OUTLET, SIZE AND NEMA CONFIGURATION AS NOTED, MOUNTED @ +16" TO BOTTOM OF BOX, UNO.
	FLOOR MOUNTED DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	CEILING MOUNTED DUPLEX RECEPTACLE, 20A, 125V
	CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE, 20A, 125V
	FLOOR MOUNTED COMBINATION DUPLEX RECEPTACLE AND TELECOM
	FLOOR MOUNTED COMBINATION DOUBLE DUPLEX RECEPTACLE AND TELECOM
	FLOOR MOUNTED COMBINATION POWER AND TELCOM WITH WHIP FOR PARTITION FURNITURE
	POWER AND TELECOM WITH WHIP FOR PARTITION FURNITURE
	WALL MOUNTED JUNCTION BOX – SIZE AS REQUIRED BY CODE
	CEILING JUNCTION BOX – SIZE AS REQUIRED BY CODE
	FLOOR MOUNTED JUNCTION BOX – SIZE AS REQUIRED BY CODE
	PLUGMOLD
	POWER POLE
EV	ELECTRIC VEHICLE CHARGING STATION, DUAL PORT & SINGLE PORT
$T	THERMAL OVERLOAD SWITCH
$M	MOTOR RATED SWITCH

RECEPTACLE SUBSCRIPTS (APPLIES TO ALL RECEPTACLES)

C	CONTROLLED/UNCONTROLLED [2]
LC	LOCKING COVER
TR	TAMPER-RESISTANT
U	USB (UNIVERSAL SERIAL BUS)
WP	WEATHERPROOF
WPU	WEATHERPROOF WHILE IN USE

FOOTNOTES:

[1] PROVIDE 44" MAX. TO TOP OF BOX AT AREAS WITH FORWARD ACCESSIBLE APPROACH KNEE CLEARANCE, OR PROVIDE 46" MAX. TO TOP OF BOX AT AREAS WITH PARALLEL ACCESSIBLE APPROACH (PER CBC 11B-308).

[2] FOR DUPLEX RECEPTACLES: ONE HALF IS CONTROLLED, AND ONE HALF IS UNCONTROLLED. PLACE CONTROLLED HALF AT BOTTOM. FOR DOUBLE DUPLEX RECEPTACLES: ONE DUPLEX IS CONTROLLED, AND ONE DUPLEX IS UNCONTROLLED. PLACE CONTROLLED DUPLEX AT RIGHT.

SYMBOL	DESCRIPTION
	LIGHTING
	LED LUMINAIRE – T-BAR LAY-IN
	LED LUMINAIRE – RECESSED IN GYPBOARD
	LED LUMINAIRE – SURFACE
	LED LUMINAIRE – SUSPENDED
	LED STRIP LIGHT – SURFACE OR SUSPENDED
	DOWNLIGHT LUMINAIRE – RECESSED
	WALLWASH LUMINAIRE – RECESSED
	LUMINAIRE – SURFACE
	LUMINAIRE – WALL
	LUMINAIRE – PENDANT
	TRACK LIGHT – SUSPENDED OR SURFACE MOUNTED
	CONTINUOUS LINEAR LED TAPE OR LED COVE LIGHT
	HATCHED LUMINAIRE INDICATES AN EMERGENCY LUMINAIRE CONNECTED TO A EMERGENCY POWER DISTRIBUTION SYSTEM, OR INTEGRAL EMERGENCY BATTERY BACKUP.
	SINGLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION.
	DOUBLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)
	COMBINATION EMERGENCY EXIT SIGN WITH DUAL HEAD LIGHTS WITH EMERGENCY BATTERY BACK-UP.
	BATTERY POWERED EMERGENCY EGRESS LUMINAIRE – SURFACE MOUNTED
	SPOT/FLOOD LUMINAIRE – GROUND MOUNTED. FOR BLDG WALL MOUNTED AS WELL.
	EXTERIOR POLE FIXTURE – SINGLE HEAD
	EXTERIOR POLE FIXTURE – TWIN HEAD
	EXTERIOR PATHWAY POST TOP POLE FIXTURE
	BOLLARD FIXTURE
	STEP LUMINAIRE
	LIGHTING CONTROLS
$	SINGLE POLE TOGGLE SWITCH, 20A, 120-277V @ +46" TO TOP OF BOX, UNO [1].
$3	THREE WAY TOGGLE SWITCH 20A,120-277V @ +46" TO TOP OF BOX, UNO. [1].
$a,b,c	SUBSCRIPTS "a,b,c" DESIGNATE THE QUANTITY OF SWITCHES AT EACH LOCATION (TYPICAL FOR ALL SWITCH TYPES) MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
$K	SINGLE POLE KEYED BARREL SWITCH 20A, 120-277 @ +46" TO TOP OF BOX, UNO. [1].
	WALL MOUNTED PUSH BUTTON @ +46" TO TOP OF BOX, UNO. [1].
	WALL MOUNTED DIMMER SWITCH @ +46" TO TOP OF BOX, UNO. [1].
OS	WALL MOUNTED COMBINATION OCCUPANCY SENSOR & DIMMER SWITCH. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC, MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
DR	DIGITAL WALL CONTROL OVERRIDE SWITCH. RUN CABLING BACK TO LIGHTING CONTROL PANEL. MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
OS	WALL MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC, MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
VS	WALL MOUNTED VACANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC, MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
OS	CEILING, OR PENDANT, MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC.
OS	CORNER MOUNT OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC.
DL	PHOTOCONTROL DAYLIGHT SENSOR.
	TAGS & LEADERS
X	KEYNOTE SHOWN ON SAME SHEET
G2 L1-11a	LIGHT FIXTURE TAG: FIXTURE TYPE – XX – CIRCUIT NUMBER; PANEL NAME – XX-Xx – SWITCH LEG
X	FEEDER DESIGNATION TAG
X	FOOD SERVICE EQUIPMENT DESIGNATION TAG
X Ex.1	DETAIL DESIGNATION: TOP LETTER INDICATES DETAIL NUMBER, BOTTOM LETTER/NUMBER INDICATES SHEET NUMBER
MET X	MECHANICAL OR PLUMBING EQUIPMENT TAG
	BRACKET
	LEADERS

SYMBOL	DESCRIPTION
	ONE LINE DIAGRAM
PANEL "A"	PANEL IDENTIFICATION
100A 3P	CIRCUIT BREAKER
250AF 200AT	CIRCUIT BREAKER WITH TRIP UNIT: AMPERE FRAME / AMPERE TRIP
100A 3P	FUSED SWITCH
GFR	GROUND-FAULT RELAY
	GROUND
	UNDERGROUND TERMINATION SERVICE LUG
M	UTILITY METER WITH CURRENT TRANSFORMER COMPARTMENT METER SOCKET
M	CUSTOMER-OWNED MULTIFUNCTION METER WITH CURRENT TRANSFORMERS
	MOTOR
	TRANSFORMER WITH GROUND
	UFER GROUND
	BOND TO COLD WATER PIPE, GAS PIPE, BUILDING STEEL
	AUTOMATIC TRANSFER SWITCH
	NEUTRAL LINK
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP DEVICE
	CIRCUITS
	STUB
	CONTINUATION
	CONDUIT RISER – UP
	CONDUIT DROP – DOWN
	CONDUIT CONCEALED IN CEILING OR WALL.
	CONDUIT CONCEALED IN UNDERFLOOR OR UNDERGROUND
	EXISTING CONDUIT TO REMAIN.
	CONDUIT & CONDUCTORS FOR LOW VOLTAGE MOTION SENSORS
	EXISTING CONDUIT & CONDUCTORS TO REMAIN FOR LOW VOLTAGE MOTION SENSORS
	EXISTING CONDUIT AND/OR CONDUCTORS TO BE REMOVED. UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE.
	HOMERUN TO PANELBOARD OR TERMINAL CABINET WITH CONDUCTORS AS NOTED
#	CIRCUIT CONDUCTORS: LONG TICK INDICATES NEUTRAL CONDUCTOR; SHORT TICKS INDICATES PHASE CONDUCTORS; CURVED TICK INDICATES EQUIPMENT GROUNDING CONDUCTOR; ADDITIONAL CURVED TICK INDICATES ISOLATED GROUNDING CONDUCTOR. NUMBER BY TICKS INDICATES WIRE GAUGE OTHER THAN 12 AWG CU. NO TICKS INDICATE 2 #12 CU, 1 #12 CU GND, IN 1/2" CONDUIT. OTHERS AS NOTED ON PLAN. NOTE: PROVIDE A CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS FOR THIS PROJECT, WHETHER SHOWN ON PLAN OR NOT.
	FLEXIBLE CONDUIT, 6'-0" LONG MAX. WITH #12 CU GROUND, UNO.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

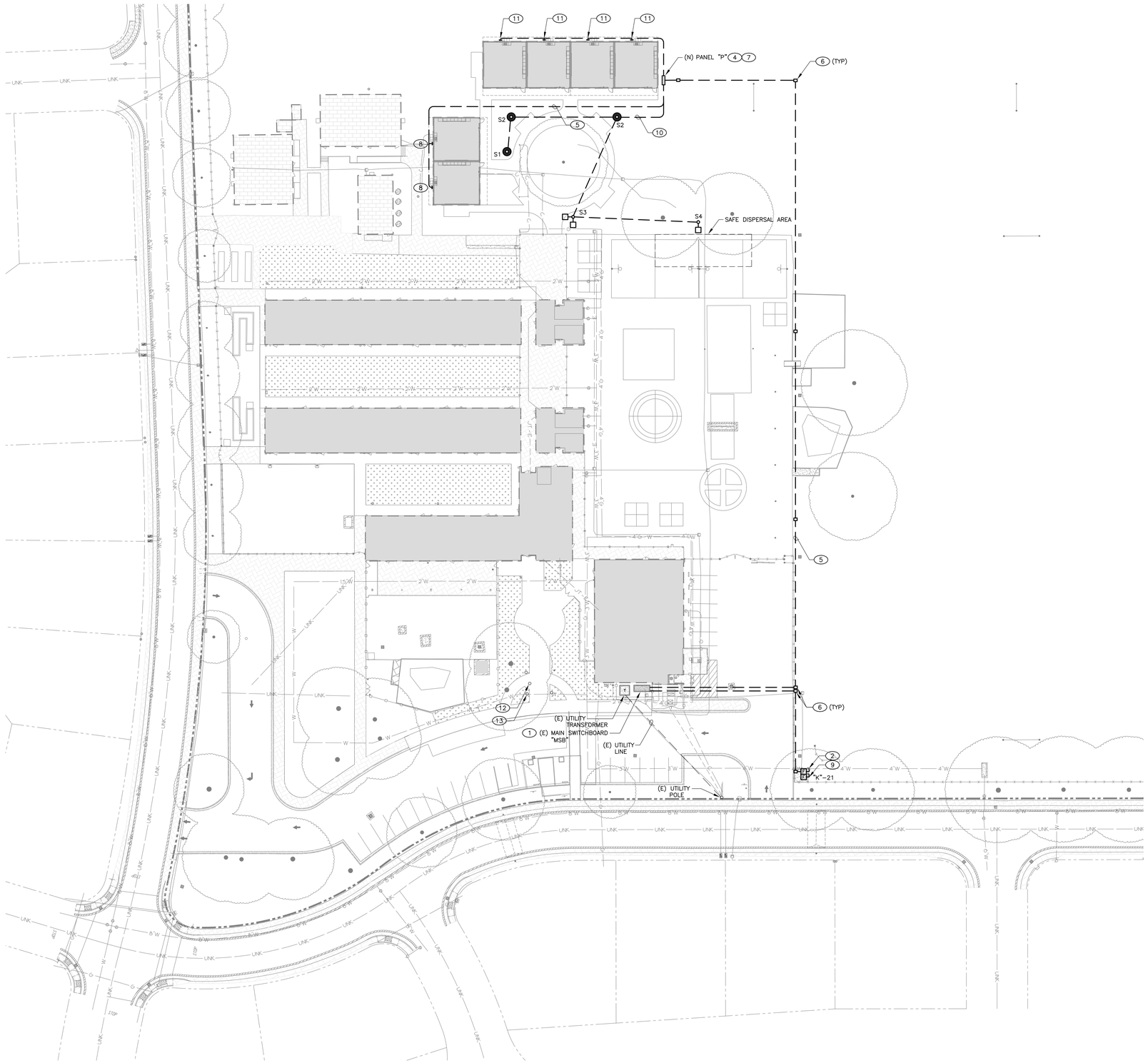
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL SYMBOL LEGEND

SHEET NO.

E002



1 ELECTRICAL SITE PLAN

SCALE 1" = 30'-0"

KEY NOTES

1. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD PER ONE-LINE DIAGRAM.
2. BOOSTER PUMP POWER CONNECTION. VERIFY POWER REQUIREMENTS WITH EXACT UNIT THAT WILL BE INSTALLED ON SITE PRIOR TO ROUGH-IN OF ELECTRICAL. PROVIDE 60A/3P/60A FUSED DISCONNECT SWITCH IN NEMA 3R ON STAND-ALONE UNISTRUT MOUNT AND RUN 2" C. W/3#4 CU + 1#8 CU GND. TO NEW BREAKER IN EXISTING SWITCHBOARD.
3. EXISTING MODULAR BUILDING TO BE DEMO-ED. REMOVE ASSOCIATED MAIN POWER FEEDER BACK TO SOURCE ALONG WITH ASSOCIATED CONDUIT FOR THE BUILDING.
4. PROVIDE NEW PANEL IN NEMA 3R ENCLOSURE ON STAND-ALONE MOUNT PER DETAIL #2. COORDINATE EXACT PANEL MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCE IN FRONT OF ELECTRICAL PANEL. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
5. NEW UNDERGROUND RUN, SEE ONE-LINE FOR FEEDER INFORMATION. TYPICAL FOR ALL NEW SITE RUNS.
6. UNDERGROUND PULLBOX. ALL PULLBOXES SHALL BE TRAFFIC-RATED IN ALL AREAS WITH VEHICULAR TRAFFIC POTENTIAL. SIZE PULLBOXES PER CEC 314. PROVIDE ADDITIONAL PULLBOXES AS REQUIRED BY FIELD CONDITIONS.
7. COORDINATE EXACT POWER REQUIREMENTS WITH MODULAR VENDOR AND PROVIDE CORRESPONDING UNDERGROUND FEED FROM THIS PANEL TO MODULAR BUILDING PANEL STUB-UP. PROVIDE CONDUCTORS FROM PANEL "P" TO MODULAR PANELS FULLY RATED FOR MODULAR BUILDING PANEL AMPERE RATING.
8. MODULAR BUILDING FEEDER CONNECTION. INTERCEPT MODULAR BUILDING STUB-UP NIPPLE AND PROVIDE 2" C. W/3#1/0 CU + 1#6 CU GND. WIRING FROM PANEL "P" TO EACH CORRESPONDING MODULAR CLASSROOM PANEL.
9. LANDSCAPE CONTROLLER POWER CONNECTION. PROVIDE 30A/2P/20A FUSED DISCONNECT SWITCH IN NEMA 3R ON STAND-ALONE UNISTRUT MOUNT AND RUN 1-1/2" C. W/2#8 CU + 1#8 CU GND. TO CIRCUITS INDICATED.
10. RUN 1" C. W/2#10 CU + 1#10 CU GND. TO PANEL VIA NEW UNDERGROUND RUN. PROVIDE THE SAME WIRING CONNECTION TO ALL SITE LIGHT POLES, TYPICAL.
11. MODULAR BUILDING FEEDER CONNECTION. INTERCEPT MODULAR BUILDING STUB-UP NIPPLE AND PROVIDE 2" C. W/3#1 CU + 1#6 CU GND. WIRING FROM PANEL "P" TO EACH CORRESPONDING MODULAR CLASSROOM PANEL.
12. FLAG POLE LOCATION.
13. PROVIDE BK-LIGHTING FLAGPOLE LIGHTS, HP2-LED-TR-x45-NFL-XXX-12-010-MT-AG-TC. ARRANGE TYPICAL OF (3) LIGHTS AS INDICATED. PROVIDE NEW UNDERGROUND 120V/20A ELECTRICAL CIRCUIT FROM NEARBY PANEL IN BUILDING "A".

GENERAL NOTES

A. EXISTING ELECTRICAL SERVICE AND ALL ASSOCIATED UTILITY EQUIPMENT IS EXISTING TO REMAIN. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK THAT MAY BE REQUIRED WITH UTILITY COMPANY.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NO.

E100

INCREMENT NO. 1

GENERAL NOTES

A. UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN UNCHANGED.

B. COORDINATE WITH ARCHITECTURAL, CIVIL, LANDSCAPE DRAWINGS AND OTHER DISCIPLINES FOR THE REMOVAL OF ELECTRICAL EQUIPMENT, WIRES, BOXES AND CONDUITS PRIOR TO DEMO.

C. VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO PERFORMING WORK, NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

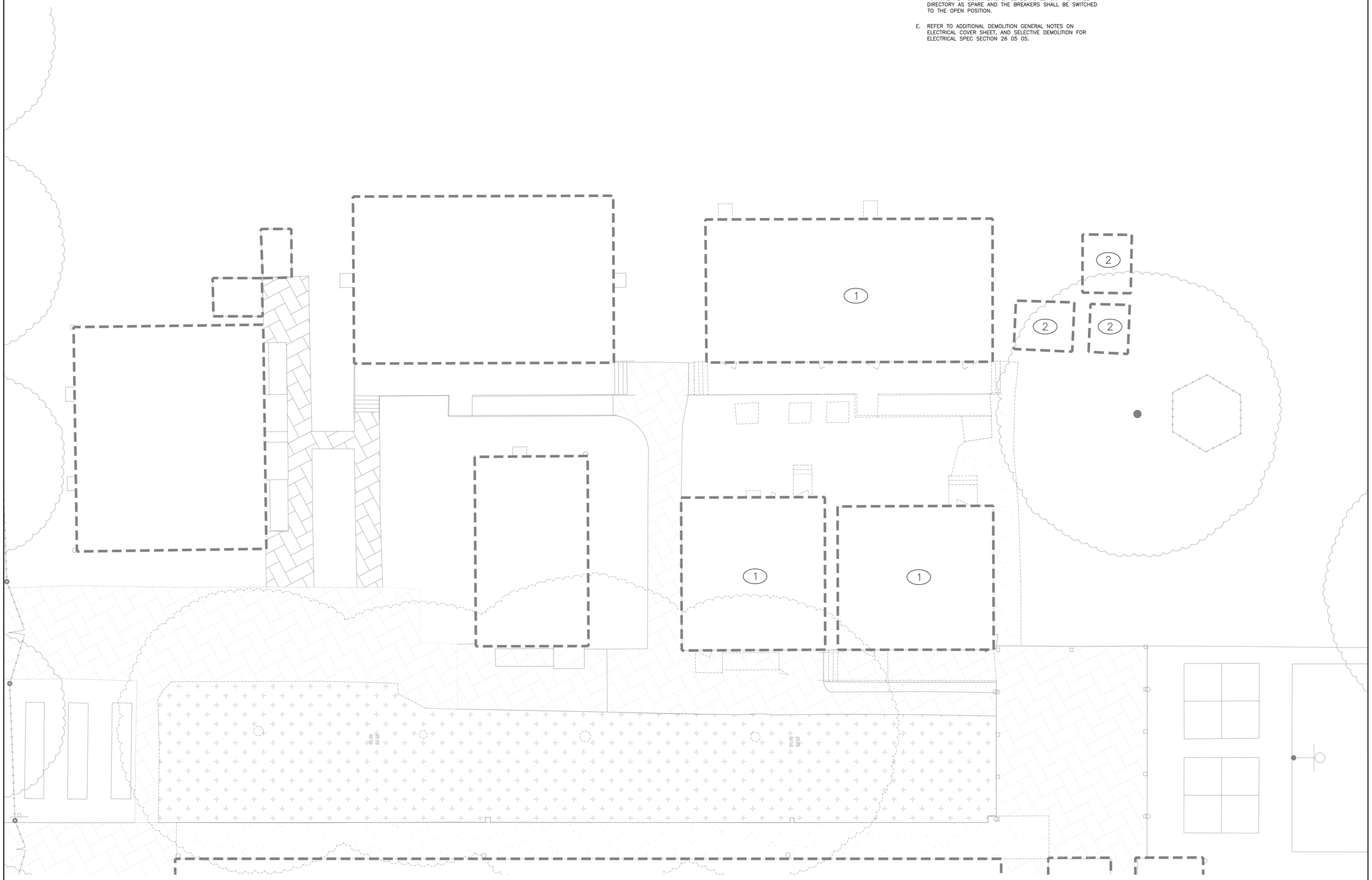
D. ALL CIRCUIT BREAKERS THAT BECOME SPARE DUE TO THE DEMO OF ELECTRICAL EQUIPMENT AND WHICH ARE NOT GETTING REUSED FOR THE NEW EQUIPMENT, SHALL BE NOTED ON THE PANEL DIRECTORY AS SPARE AND THE BREAKERS SHALL BE SWITCHED TO THE OPEN POSITION.

E. REFER TO ADDITIONAL DEMOLITION GENERAL NOTES ON ELECTRICAL COVER SHEET, AND SELECTIVE DEMOLITION FOR ELECTRICAL SPEC SECTION 26 05 05.

KEY NOTES

1. EXISTING MODULAR BUILDING TO BE DEMOLISHED. DISCONNECT AND REMOVE MAIN BUILDING POWER FEEDER BACK TO THE SOURCE ALONG WITH ASSOCIATED CONDUIT AND PULLBOXES.

2. EXISTING MODULARS TO BE RELOCATED PER DISTRICT DIRECTION, SEE ARCHITECTURAL DRAWINGS. DISCONNECT AND REMOVE MAIN BUILDING POWER FEEDER BACK TO THE SOURCE ALONG WITH ASSOCIATED CONDUIT AND PULLBOXES.



1 ENLARGED ELECTRICAL SITE PLAN - DEMOLITION
SCALE 1/8" = 1'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

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NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

ENLARGED ELECTRICAL SITE PLAN - DEMOLITION

SHEET NO.

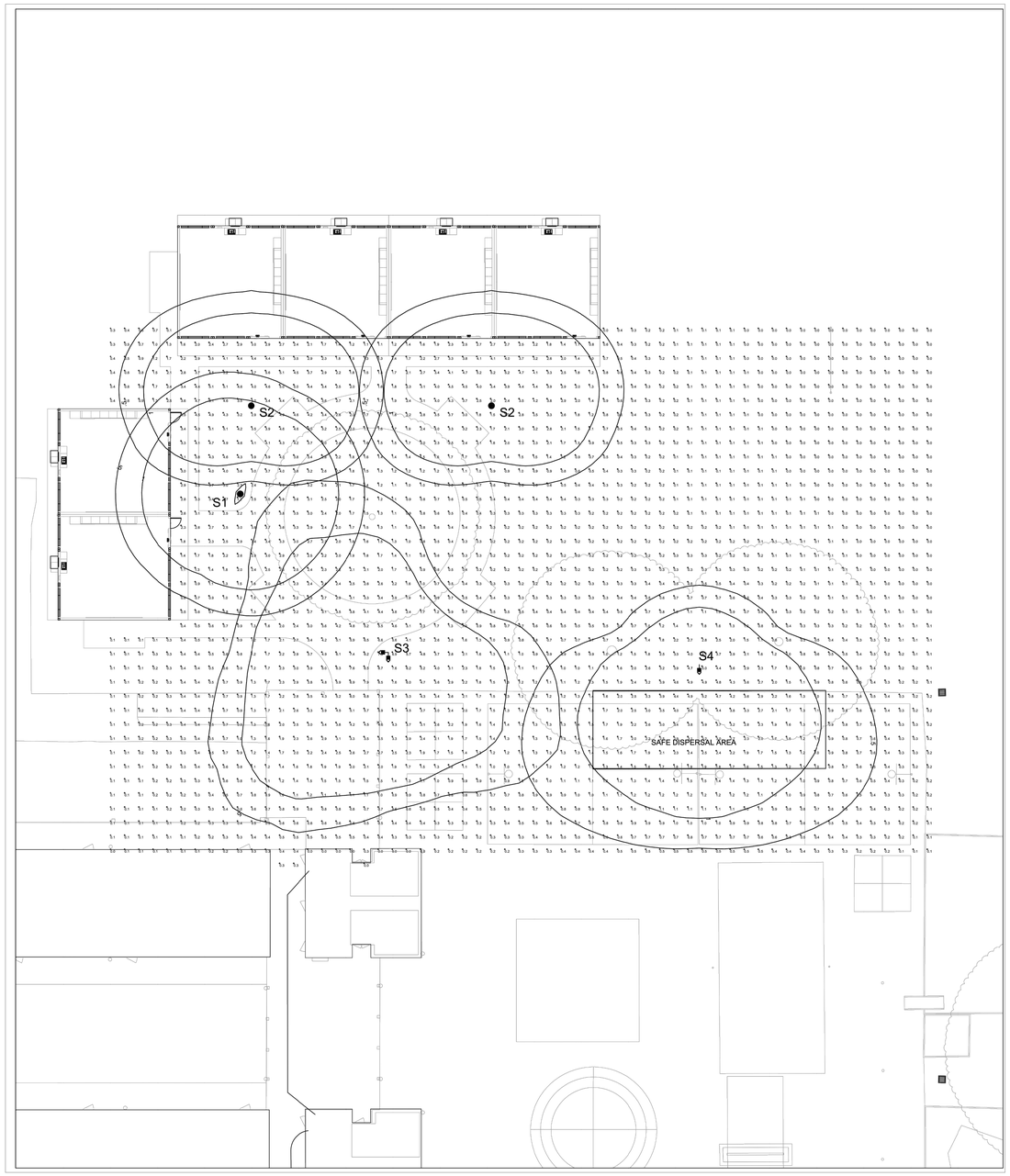
E101

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

INCREMENT NO. 1

Luminaire Schedule								
Project: THOMAS JEFFERSON - CALIFORNIA MONTESSORI CAPITAL - SITE								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Lum. Watts
	1	S1	Single	9005	0.850	GARDCO PPT-C-A06-840-T5M-T3-120-010V-BL50L3-PCB - 12' L.C.	PPT-C-A06-840-T5M.ies	82.7
	2	S2	Single	9149	0.850	GARDCO PPT-C-A06-840-T3M-T3-120-010V-BL50L3-PCB - 12' L.C.	PPT-C-A06-840-T3M.ies	82.7
	1	S3	2 @ 90 degrees	9762	0.850	GARDCO OPF-S-A03-840-T3M-AR1-120-BL50-L2-(2@90) - 18' L.C.	OPF-S-A03-840-T3M.ies	63.59
	1	S4	Single	14643	0.748	GARDCO OPF-S-A04-840-T4W-AR1-120-BL50-L2-XX - 18' L.C.	OPF-S-A05-840-T4W.ies	104.3

Calculation Summary								
Project: THOMAS JEFFERSON - CALIFORNIA MONTESSORI CAPITAL - SITE								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	# Pts
SAFE DISPERSAL AREA	Illuminance	Fc	2.3	5.2	1.0	2.3	5.2	96



NORTH

1 ENLARGED SITE PHOTOMETRIC PLAN
SCALE 1/16" = 1'-0"

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

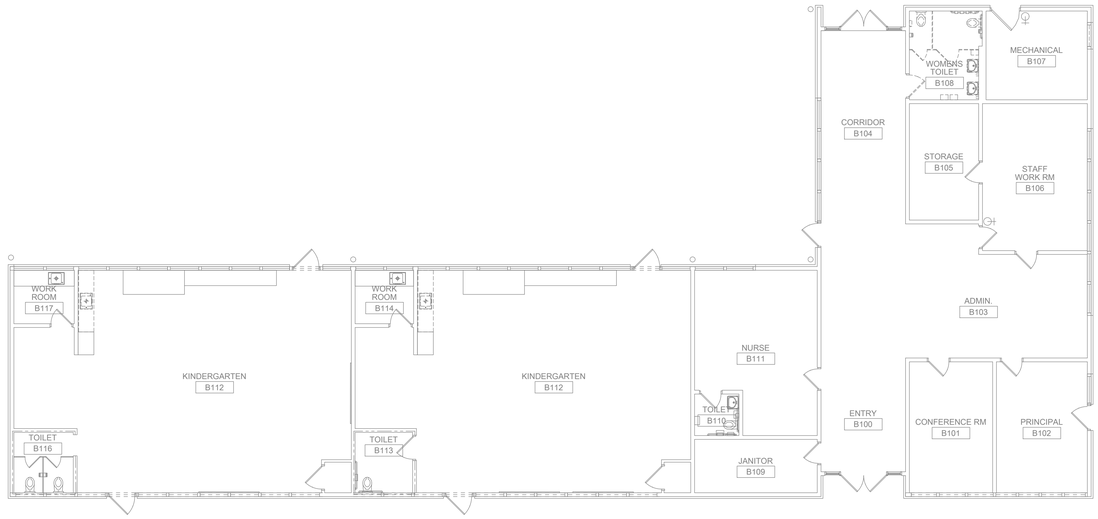
DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

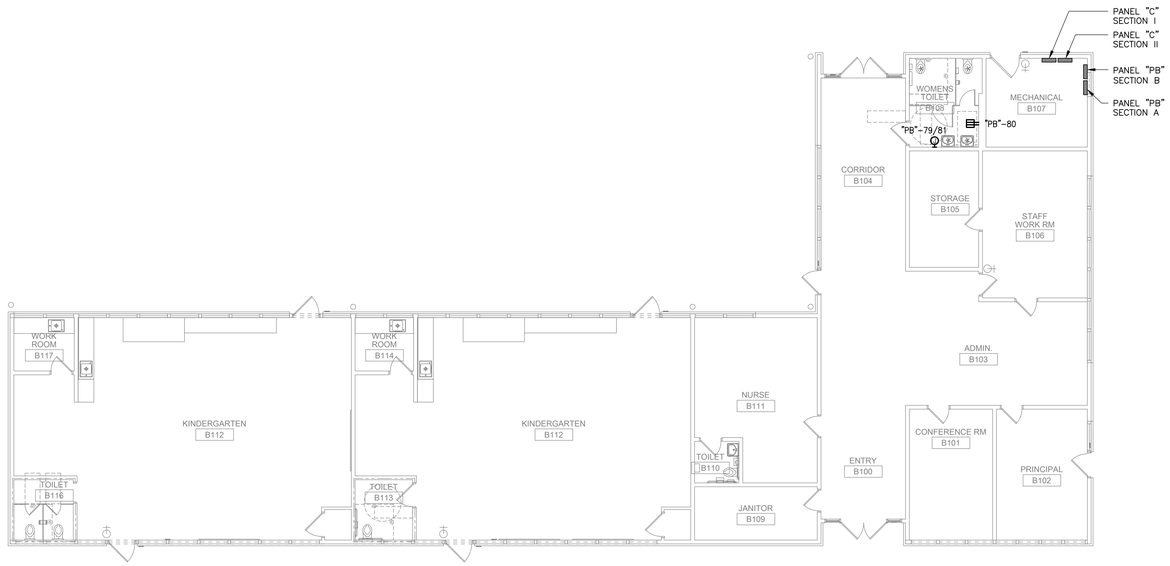
DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE
ENLARGED SITE PHOTOMETRIC PLAN

SHEET NO.
E102



2 ELECTRIICAL BUILDING B FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



1 ELECTRICAL BUILDING B FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"

KEY NOTES

1. DISCONNECT CONDUCTORS FROM MECHANICAL UNIT. IF CONDUCTORS MEET OR EXCEED CONDUCTOR REQUIREMENTS PER SCHEDULE ON THIS SHEET, PRESERVE EXISTING CONDUCTORS FOR USE IN NEW WORK. IF EXISTING CONDUCTORS ARE UNDERSIZED, REMOVE BOTH WIRING AND CONDUIT BACK TO SOURCE.
2. PROVIDE NEW CONDUIT AND CONDUCTORS FOR NEW UNIT IF EXISTING WIRING AND CONDUIT WAS REMOVED PER KEYNOTE 1. SEE SCHEDULE FOR FEEDER REQUIREMENTS.
3. RECONNECT NEW MECHANICAL UNIT TO EXISTING CIRCUIT OR CIRCUITS THAT SERVED DEMOLISHED MECHANICAL UNIT. IF EXISTING PANELBOARD CIRCUIT BREAKER(S) FOR THE NEW UNITS ARE OVERSIZED, PROVIDE OVERCURRENT PROTECTION AT THE UNIT DISCONNECT MATCHING UNIT NAMEPLATE DATA. IF EXISTING PANELBOARD CIRCUIT BREAKER(S) FOR THE NEW UNITS ARE UNDERSIZED, REPLACE WITH NEW BREAKER(S). NEW BREAKERS SHALL MATCH MOCP AND POLED AS REQUIRED PER SCHEDULE. MATCH TYPE AND AIC RATING OF NEW BREAKERS WITH EXISTING BREAKERS IN THE PANEL.

GENERAL NOTES

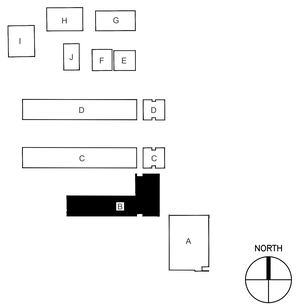
A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. SEE SCHEDULE ON THIS SHEET FOR ALL ELECTRICAL REQUIREMENTS FOR NEWLY INSTALLED MECHANICAL UNITS.

D. ANY EXCESS CIRCUIT THAT WAS PREVIOUSLY USED BY A DEMOLISHED UNIT SHALL BE RELABELED AS "SPARE".

KEYPLAN:



INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

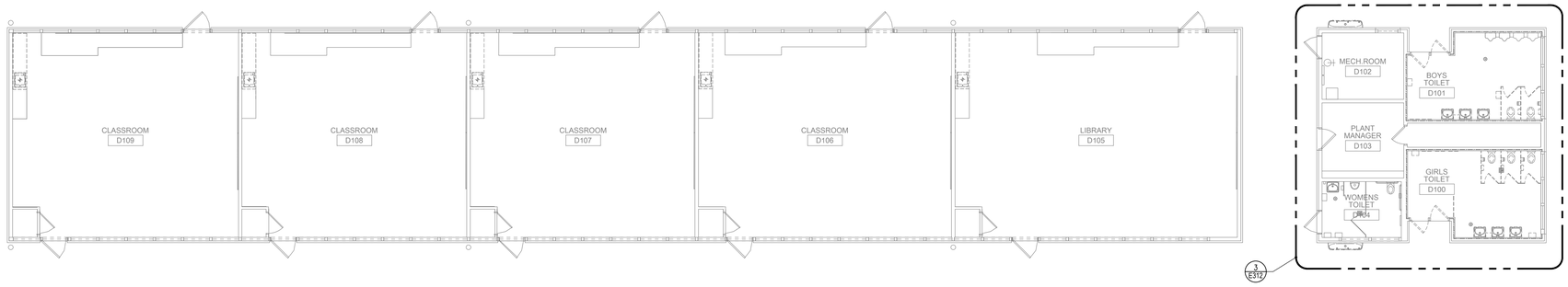
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL FLOOR PLANS BUILDING B

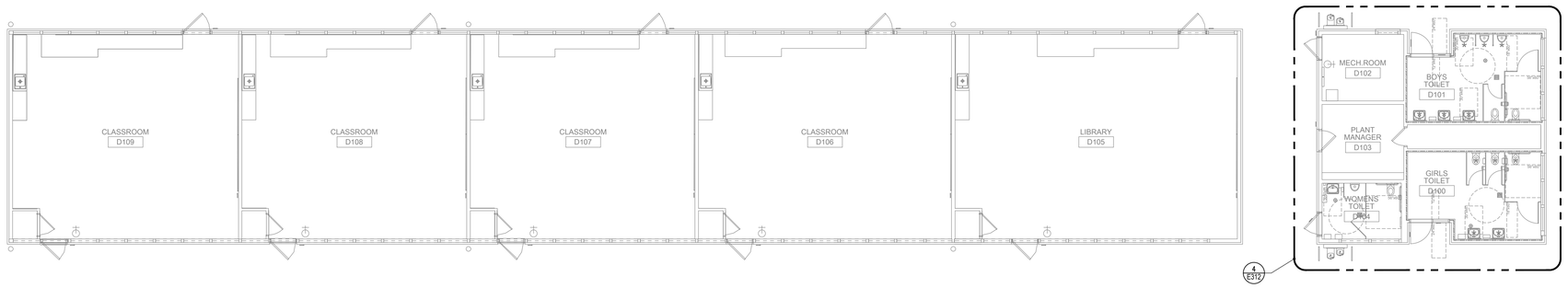
SHEET NO.

E111



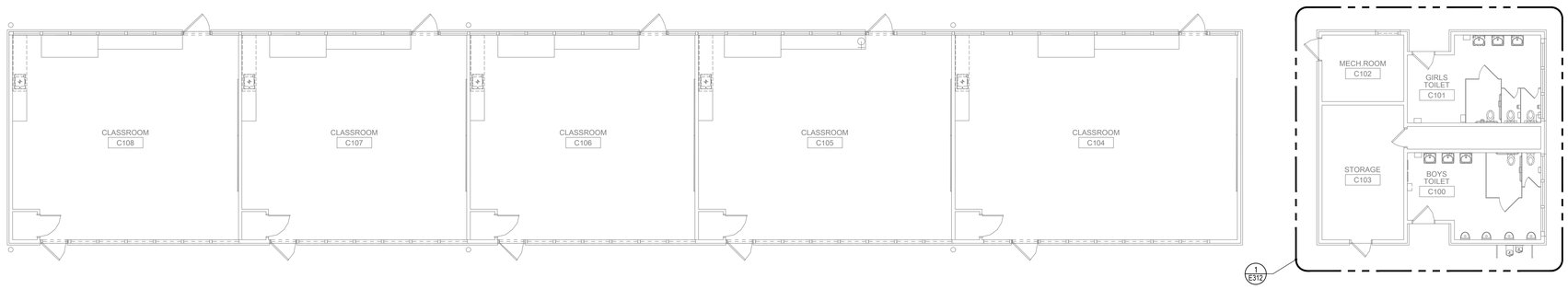
4 ELECTRICAL BUILDING D FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



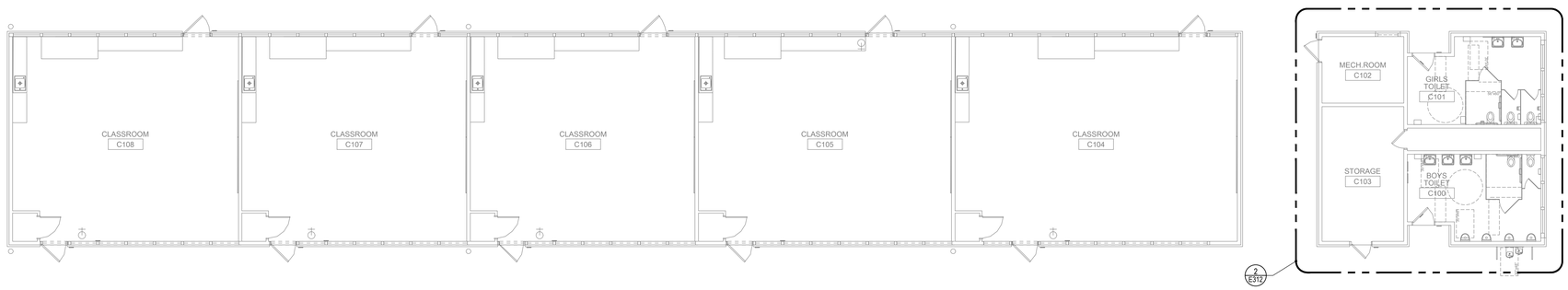
3 ELECTRICAL BUILDING D FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"



2 ELECTRICAL BUILDING C FLOOR PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



1 ELECTRICAL BUILDING C FLOOR PLAN - NEW

SCALE 1/8" = 1'-0"

GENERAL NOTES

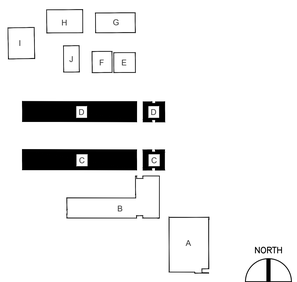
A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. SEE SCHEDULE ON THIS SHEET FOR ALL ELECTRICAL REQUIREMENTS FOR NEWLY INSTALLED MECHANICAL UNITS.

D. ANY EXCESS CIRCUIT THAT WAS PREVIOUSLY USED BY A DEMOLISHED UNIT SHALL BE RELABELED AS "SPARE".

KEYPLAN:



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AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

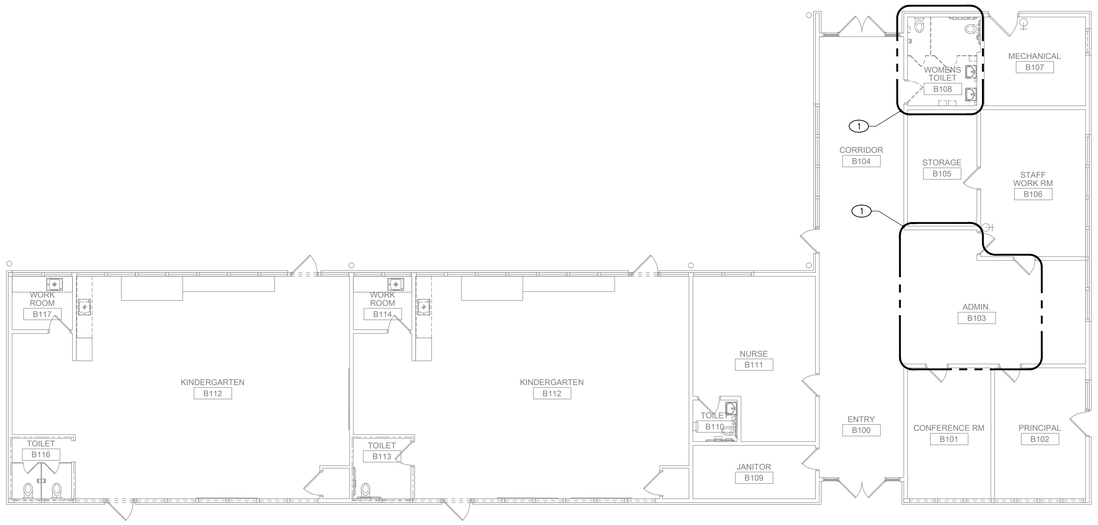
JOB NO.: Y2524.00

SHEET TITLE

ELECTRIICAL FLOOR PLANS BUILDING C & D

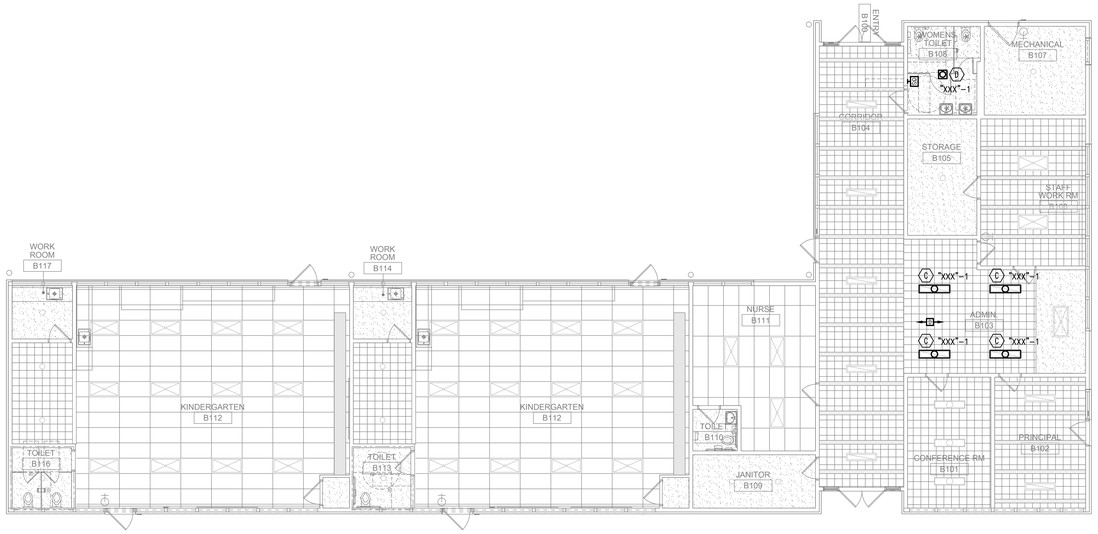
SHEET NO.

E112



2 ELECTRICAL BUILDING B LIGHTING PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



1 ELECTRICAL BUILDING B LIGHTING PLAN - NEW

SCALE 1/8" = 1'-0"

KEY NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES AND LIGHTING CONTROLS AND ASSOCIATED CIRCUITING BACK TO SOURCE. FOR ANY ELECTRICAL CIRCUITS THAT ARE NOT TERMINATING WITHIN THE SCOPE OF WORK, PRESERVE EXISTING CIRCUITING AND ASSOCIATED RACEWAYS AND MAINTAIN CONTINUITY.

GENERAL NOTES

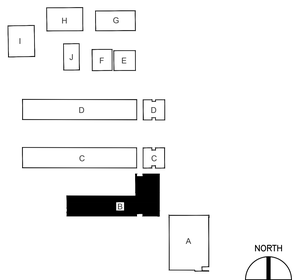
A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. SEE SCHEDULE ON THIS SHEET FOR ALL ELECTRICAL REQUIREMENTS FOR NEWLY INSTALLED MECHANICAL UNITS.

D. ANY EXCESS CIRCUIT THAT WAS PREVIOUSLY USED BY A DEMOLISHED UNIT SHALL BE RELABELED AS "SPARE".

KEYPLAN:



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NO.	DESCRIPTION	DATE

DATE: 12/12/2025

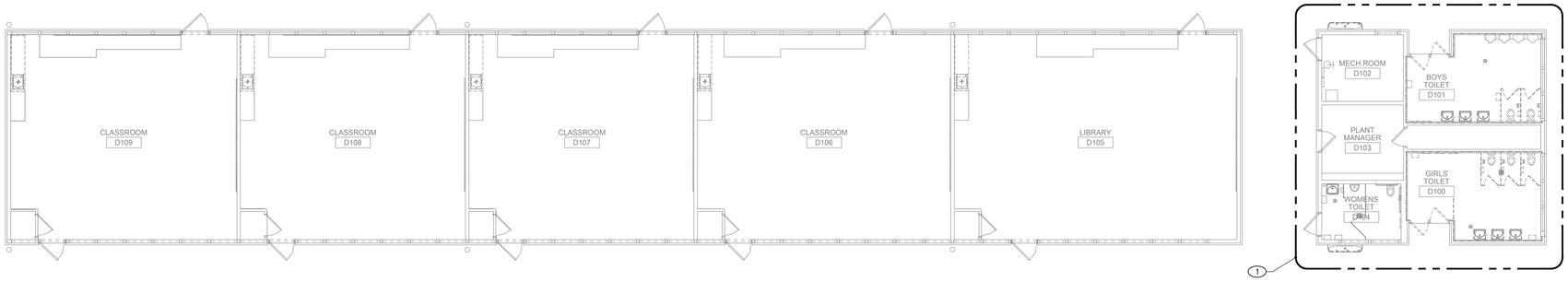
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL LIGHTING PLANS BUILDING A & B

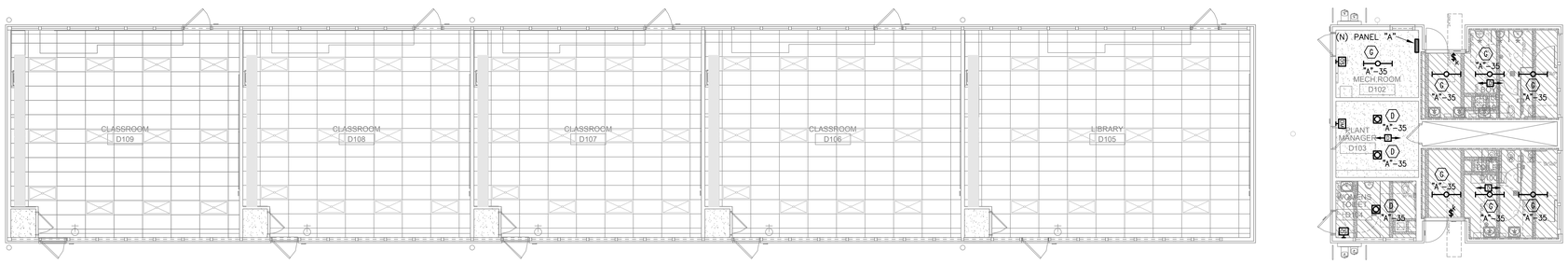
SHEET NO.

E211



2 ELECTRICAL BUILDING D LIGHTING PLAN - DEMOLITION

SCALE 1/8" = 1'-0"



1 ELECTRICAL BUILDING D LIGHTING PLAN - NEW

SCALE 1/8" = 1'-0"

KEY NOTES

1. DISCONNECT INTERIOR EXISTING LIGHTING DEVICES, CONTROLS AND ASSOCIATED BRANCH CIRCUIT WIRING IN SCOPE OF WORK BACK TO SOURCE. REFER TO DEMO NOTES ON SHEET E001 FOR ADDITIONAL DEMOLITION WORK REQUIREMENTS.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

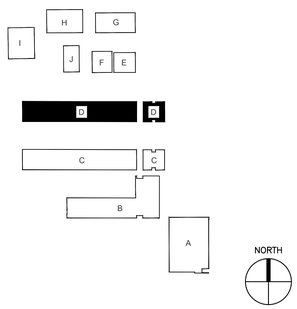
B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. PROVIDE UNSWITCHED HOT LEG CONNECTION TO ALL EMERGENCY FIXTURES AND EXIT SIGNS.

D. LOCATE ALL ROOM CONTROLLERS AND DIGITAL NETWORK BRIDGES IN ACCESSIBLE CEILING SPACE OF RESPECTIVE ROOM. IN ROOMS WITH GYP BOARD CEILINGS, LOCATE DEVICES IN ADJACENT ROOMS WITH T-BAR CEILING.

E. ONLY LIGHTING CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR LIGHTING CONTROL SYSTEM, SHOWING ALL COMPONENTS, LOCATIONS AND POINT-TO-POINT WIRING DIAGRAM FOR REVIEW AND APPROVAL. CONTRACTOR SHALL PROVIDE REQUIRED INTERCONNECTION COMPONENTS, PROGRAMMING, CONFIGURATIONS AND ADJUSTMENTS, FOR A COMPLETE AND OPERABLE SYSTEM. SEE OCCUPANCY AND DAYLIGHT SENSOR GENERAL NOTE ON SHEET E001.

KEYPLAN:



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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

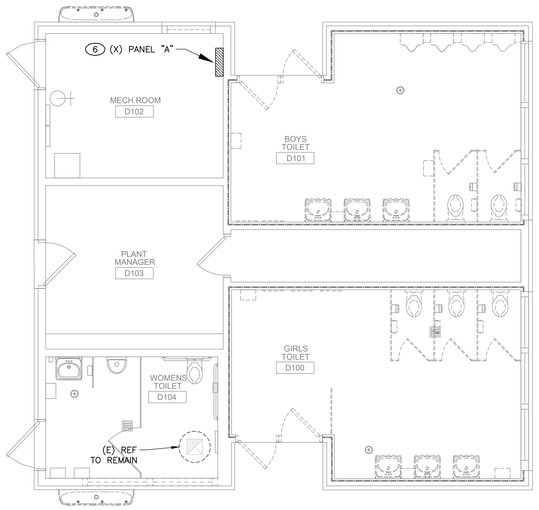
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL LIGHTING PLANS BUILDING C & D

SHEET NO.

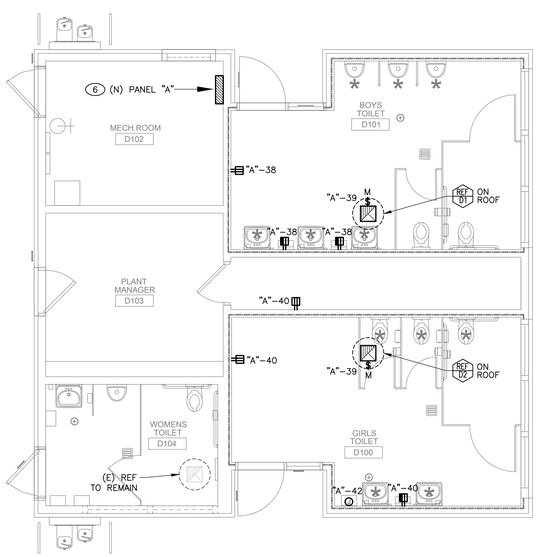
E212



3 ENLARGED ELECTRICAL BUILDING D RESTROOM PLAN - DEMOLITION

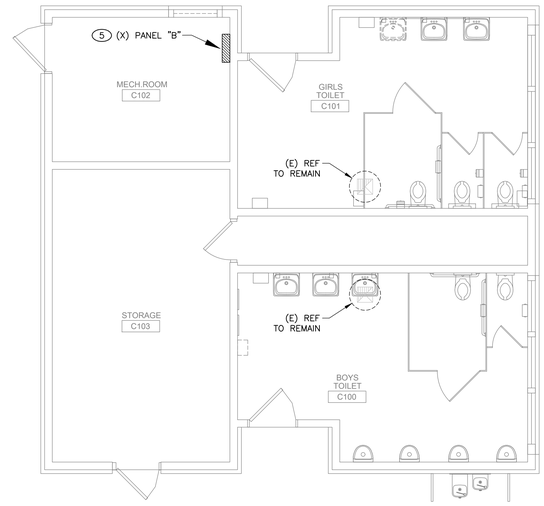
SCALE 1/4" = 1'-0"

EXHAUST FAN SCHEDULE							
		ELECTRICAL					
TYPE	MARK	VOLTS	PHASE	RLA	MCA	MOCP	MINIMUM CONDUCTOR AND CONDUIT REQUIREMENTS
REF	D1	115	1	2.85	4	15	3/4" C. W/2#12 CU + 1#12 CU GND.
REF	D2	115	1	2.85	4	15	3/4" C. W/2#12 CU + 1#12 CU GND.



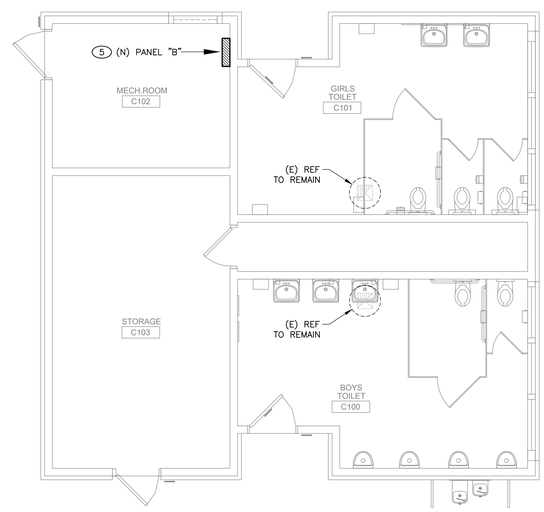
4 ENLARGED ELECTRICAL BUILDING D RESTROOM PLAN - NEW

SCALE 1/4" = 1'-0"



1 ENLARGED ELECTRICAL BUILDING C RESTROOM PLAN - DEMOLITION

SCALE 1/4" = 1'-0"



2 ENLARGED ELECTRICAL BUILDING C RESTROOM PLAN - NEW

SCALE 1/4" = 1'-0"

KEY NOTES

1. DISCONNECT CONDUCTORS FROM MECHANICAL UNIT. IF CONDUCTORS MEET OR EXCEED CONDUCTOR REQUIREMENTS PER SCHEDULE ON THIS SHEET, PRESERVE EXISTING CONDUCTORS FOR USE IN NEW WORK. IF EXISTING CONDUCTORS ARE UNDERSIZED, REMOVE BOTH WIRING AND CONDUIT BACK TO SOURCE.
2. PROVIDE NEW CONDUIT AND CONDUCTORS FOR NEW UNIT IF EXISTING WIRING AND CONDUIT WAS REMOVED PER KEYNOTE 1. SEE SCHEDULE FOR FEEDER REQUIREMENTS.
3. RECONNECT NEW MECHANICAL UNIT TO EXISTING CIRCUIT OR CIRCUITS THAT SERVED DEMOLISHED MECHANICAL UNIT. IF EXISTING PANELBOARD CIRCUIT BREAKER(S) FOR THE NEW UNITS ARE OVERSIZED, PROVIDE OVERCURRENT PROTECTION AT THE UNIT DISCONNECT MATCHING UNIT NAMEPLATE DATA. IF EXISTING PANELBOARD CIRCUIT BREAKER(S) FOR THE NEW UNITS ARE UNDERSIZED, REPLACE WITH NEW BREAKER(S). NEW BREAKERS SHALL MATCH MOCP AND POLED AS REQUIRED PER SCHEDULE. MATCH TYPE AND AIC RATING OF NEW BREAKERS WITH EXISTING BREAKERS IN THE PANEL.
4. CONNECT NEW REF UNIT TO EXISTING SINGLE POLE SPARE BREAKER IN EXISTING PANEL "R" AND RELABEL SPARE BREAKER TO "REF-1". IF EXISTING SINGLE POLE SPARE BREAKER IS NOT AVAILABLE, PROVIDE NEW AND MATCH TYPE AND AIC RATING OF EXISTING BREAKERS IN PANEL AND LABEL CIRCUIT "REF-1". PROVIDE NEW CONDUIT AND CONDUCTORS PER SCHEDULE ON THIS SHEET.
5. (E) PANEL "B". DISCONNECT, REMOVE, AND REPLACE WITH NEW. MATCH EXISTING AMPERAGE, PHASE, AND BRACING. PROVIDE 42 CIRCUIT PANELBOARD AT A MINIMUM. RECONNECT ALL EXISTING FEEDERS AND BRANCH CIRCUITRY. AS-BUILT BRANCH CIRCUITS AND COMPLETE NEW PANEL REGISTRY. PROVIDE ALL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM.
6. (E) PANEL "A". DISCONNECT, REMOVE, AND REPLACE WITH NEW. MATCH EXISTING AMPERAGE, PHASE, AND BRACING. PROVIDE 42 CIRCUIT PANELBOARD AT A MINIMUM. RECONNECT ALL EXISTING FEEDERS AND BRANCH CIRCUITRY. AS-BUILT BRANCH CIRCUITS AND COMPLETE NEW PANEL REGISTRY. PROVIDE ALL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM.

GENERAL NOTES

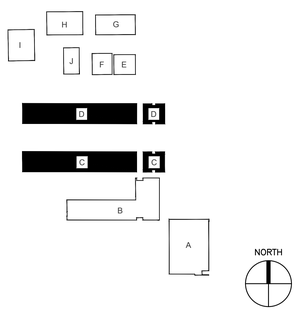
1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. SEE SCHEDULE ON THIS SHEET FOR ALL ELECTRICAL REQUIREMENTS FOR NEWLY INSTALLED MECHANICAL UNITS.

D. ANY EXCESS CIRCUIT THAT WAS PREVIOUSLY USED BY A DEMOLISHED UNIT SHALL BE RELABELED AS "SPARE".

KEYPLAN:



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ARCHITECT

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DATE: 12/12/2025

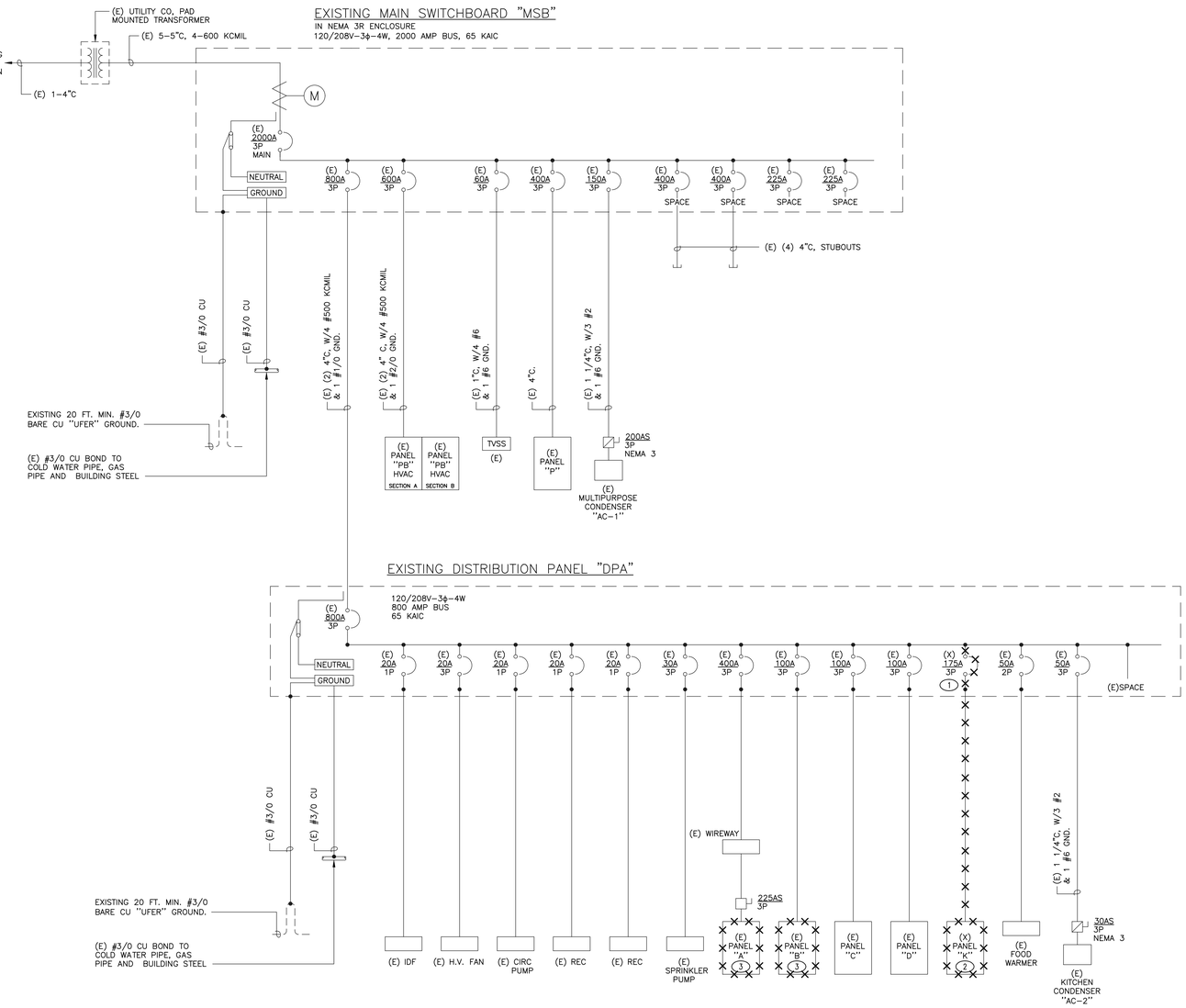
JOB NO.: Y2524.00

SHEET TITLE

ENLARGED ELECTRICAL RESTROOM PLANS BUILDINGS C&D

SHEET NO.

E312



1 ELECTRIICAL ONE LINE DIAGRAM

KEY NOTES

1. REMOVE EXISTING BREAKER IN THE PANEL. PROVIDE BLANK COVER FOR REMAINING SPACE.
2. DISCONNECT AND REMOVE EXISTING PANEL ALONG WITH ASSOCIATED PRIMARY FEEDER BACK TO SOURCE. PRESERVE EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN UNDER CURRENT SCOPE OF WORK AND PREPARE FOR RECONNECTION TO A NEW PANEL PER NEW ONE–LINE DIAGRAM.
3. DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL, PRESERVE EXISTING INCOMING FEEDER FOR RECONNECTION TO A NEW PANEL IN THE SAME SPOT. PRESERVE EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN UNDER CURRENT SCOPE OF WORK.

GENERAL NOTES

A. PROVIDE ALL NECESSARY AUXILIARY EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

B. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, UNLESS SPECIFIED OTHERWISE.

C. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

D. ALL NEW CIRCUIT BREAKERS IN THE SWITCHBOARD SHALL MATCH TYPE AND AIC RATING OF EXISTING BREAKERS IN THE SWITCHBOARD.

E. SEE FLOOR PLANS FOR NEW WIRING INFORMATION.

INCREMENT NO. 1

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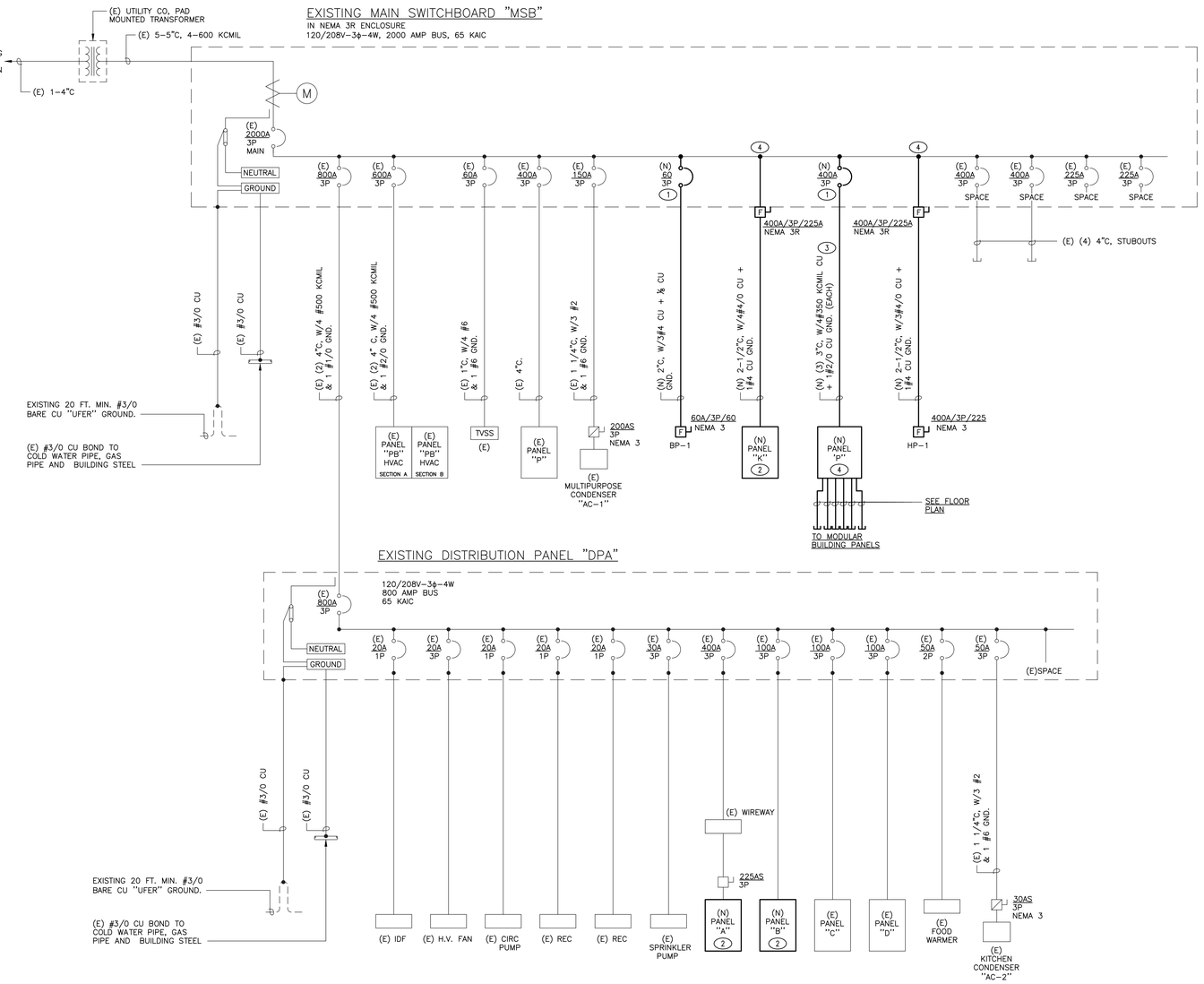
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL ONE LINE DIAGRAM - DEMO

SHEET NO.

E511



1 ELECTRIICAL ONE LINE DIAGRAM

EXISTING ELECTRICAL SERVICE LOAD CALCULATION

EXISTING MAXIMUM PEAK DEMAND LOAD FOR THE YEAR OF 2024-2025						
(SOURCE: SMUD PREVIOUS 12 MONTHS DATA)					136.0	KVA
PLUS 25% OF EXISTING CONNECTED LOAD					34.0	KVA
TOTAL EXISTING CONNECTED LOAD				=	170.0	KVA
REMOVED EXISTING LOAD						
PANEL "K"			50.0			KVA
DEMOLISHED MODULAR BUILDINGS			86.46			KVA
TOTAL LOAD REMOVED			= 136.5			KVA
TOTAL EXISTING LOAD MINUS REMOVED LOAD				=	33.5	KVA
ADD NEW LOAD						
NEW KITCHEN EQUIPMENT	90.0	kvA ea	X	1	90.0	KVA
WATER HEATER	50.0	kvA ea	X	1	50.0	KVA
HVAC LOAD	79.6	kvA ea	X	1	79.6	KVA
NEW MODULAR BUILDINGS	44.58	kvA ea	X	3	133.7	KVA
25% OF LARGEST NEW MOTOR=	10.0	KVA @ 25% =			2.5	KVA
TOTAL ADDED LOAD				=	355.8	KVA
EXISTING AND ADDED TOTAL SERVICE LOAD				=	389.4	kvA

389.4 KVA @ 120/208 VOLT , 3 PHASE : 1082 AMPERES

THEREFORE: EXISTING MAIN 2000 AMP SERVICE HAS THE CAPACITY FOR THE NEW ADDED LOAD.

VOLTAGE DROP CALCULATIONS

Project: Thomas Jefferson School

Note: Enter Nominal Conductor Sizes except as below:
1/0 = 101, 2/0 = 102, 3/0 = 103, 4/0 = 104

Circuit			Raceway	Conductor				Load		Line-to-Neutral		Line-to-Line	
Designation	Voltage	Phase	Metalic (M) or Non-Metalic (NM)	Material (AL) or (CU)	Nominal Size	Parallel Runs	Length in Feet	AMPS	Power Factor	Volt Drop	%	Volt Drop	%
MSB - PNL "P"	208	3	NM	CU	350	3	600	360.0	80%			6.78	3.26
MSB - PNL "K"	208	3	NM	CU	104	1	80	225.0	80%			2.31	1.11
MSB - BP1	208	3	NM	CU	4	1	180	45.0	80%			3.88	1.87
PNL "P" - MOD. PNL	208	1	NM	CU	101	1	220	100.0	80%	5.39	2.59		

KEY NOTES

1. PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKER TYPE AND AIC RATING. CONTRACTOR SHALL INVESTIGATE EXISTING SWITCHBOARD PRIOR TO COMMENCING THE WORK AND ASSURE THERE IS SUITABLE SPACE AVAILABLE ON THE BUSSING FOR INSTALLING REQUIRED BREAKER. IF EXISTING BUS SPACE FOUND INADEQUATE, CONTRACTOR SHALL PERFORM A BUS TAP AND PROVIDE AN EXTERNAL FUSED DISCONNECT SWITCH IN NEMA 3R OF THE SAME RATING AS INTENDED CIRCUIT BREAKER. COMPLY WITH CEC TAP RULES FOR MAKING THE TAP.
2. PROVIDE NEW PANEL IN PLACE OF DEMOLISHED EXISTING PANEL. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE MATCHING SIZE REPLACEMENT BREAKERS AND RECONNECT ALL BRANCH CIRCUITS THAT ARE TO REMAIN UNDER CURRENT SCOPE AS BEFORE.
3. FEEDER UPSIZED TO COMPENSATE THE VOLTAGE DROP. PROVIDE NECESSARY LANDING PROVISIONS ON BOTH ENDS OF THIS FEEDER AS REQUIRED.
4. PROVIDE NEW PANEL IN NEMA 3R ENCLOSURE ON STAND-ALONE MOUNT. PROVIDE NECESSARY PROVISIONS FOR LANDING UPSIZED CONDUCTORS ONTO PANEL LANDING LUGS. SEE SITE PLAN AND PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL PERFORM A BUS TAP AND PROVIDE AN EXTERNAL FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. COMPLY WITH CEC TAP RULES FOR MAKING THE TAP. CONTRACTOR SHALL INVESTIGATE EXISTING SWITCHBOARD PRIOR TO COMMENCING THE WORK AND EVALUATE IF THERE IS SUITABLE SPACE AVAILABLE ON THE BUSSING FOR INSTALLING A BREAKER IN LIEU OF BUS TAP. IF EXISTING BUS SPACE FOUND ADEQUATE, PROVIDING CIRCUIT BREAKER IN DISTRIBUTION SECTION IS AN ACCEPTABLE MEANS OF PERFORMING A CONNECTION.

GENERAL NOTES

A. PROVIDE ALL NECESSARY AUXILIARY EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

B. CONTRACTOR SHALL PROVIDE A SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDY TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PURCHASING EQUIPMENT. EQUIPMENT SHALL BE PROVIDED ACCORDINGLY ONCE THE STUDY IS APPROVED. SET AND ADJUST ALL DEVICES IN ACCORDANCE WITH THE RESULT OF THE STUDY, BEFORE ENERGIZING THE EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR COLLECTING ALL REQUIRED INFORMATION FOR COMPLETION OF SUCH STUDY FROM CORRESPONDING ENTITIES.

C. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER UNLESS SPECIFIED.

D. ARC-FLASH WARNING LABEL SHALL BE FIELD MARKED ON ALL SWITCHGEAR, PANELBOARDS AND METER SOCKETS, LEGIBLY AND VISIBLY, WARNING QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS, IN COMPLIANCE WITH CEC 2019 SECTION 110.16.

E. MAXIMUM AVAILABLE FAULT CURRENT (AFC) SHALL BE FIELD MARKED ON ALL SERVICE EQUIPMENT, LEGIBLY, AND SHALL INCLUDE DATE AFC CALCULATION WAS PERFORMED, IN COMPLIANCE WITH CEC 2019 SECTION 110.24(A).

F. ALL NEW DISTRIBUTION PANELS AND PANELBOARDS SHALL BE FULLY RATED FOR INTERRUPTING CAPACITY. SERIES RATED EQUIPMENT SHALL NOT BE USED.

G. WIRING INSTALLATION WHEN COMPLETED SHALL BE FREE FROM SHORT CIRCUITS AND GROUND FAULTS BEFORE ENERGIZING WITH ACCORDANCE CEC 110.7.

H. CONTRACTOR SHALL PERFORM BALANCING OF ELECTRICAL LOADS IN THE PANELS AND PROVIDE A REPORT OF BALANCING ANALYSIS BY A THIRD PARTY TO THE DISTRICT REPRESENTATIVE.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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Sacramento, CA 95811
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL ONE LINE DIAGRAM NEW

SHEET NO.

E512

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & MODEL NUMBER	LAMP	LUMENS	COLOR TEMP	VOLTS	WATTS	MOUNTING	DESCRIPTION
A	H.E. WILLIAMS AT3-24-L40/840-S-AF19156-DIM-UNV	LED	3874 lm	4000 K	120 V	35 W	T-BAR LAY-IN	2x4 LED LAY-IN TROFFER
B	H.E. WILLIAMS 75R-4-L30/840-QS-DIM-UNV	LED	2916 lm	4000 K	120 V	20 W	CEILING SURFACE	4' STRIP LIGHT
C	H.E. WILLIAMS 39W-4-L52-840-A-DIM-UNV	LED	5200 lm	4000 K	120 V	30 W	CEILING SURFACE	4' ROUND LINEAR LED WRAP, 0-10V DIMMING DRIVER, UNIVERSAL VOLTAGE. WEIGHT - 16LBS
CE	H.E. WILLIAMS 39W-4-L52-840-A-DIM-UNV	LED	5200 lm	4000 K	120 V	30 W	CEILING SURFACE	SAME AS "C1" EXCEPT WITH EMERGENCY BATTERY PACK. WEIGHT - 20LBS
D	H.E. WILLIAMS 6DR-TL-L20-835-DIM-UNV-L-W-OF-CS-AD-R-F1	LED	1988 lm	4000 K	120 V	19 W	RECESSED SURFACE	RECESSED DOWNLIGHT WITH ACRYLIC LENS
S1	GARDCO PPT-C-A06-840-T5M-T3-120-010V-BL50L3-PCB	LED	9005 lm	4000 K	120 V	83 W	POLE TOP @12'-0" AFG	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2
S2	GARDCO PPT-C-A06-840-T3M-T3-120-010V-BL50L3-PCB	LED	9149 lm	4000 K	120 V	83 W	POLE TOP @12'-0" AFG	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2
S3	GARDCO OPF-S-A03-840-T3M-AR1-120-BL50-L2-(2@90)-XX	LED	19524 lm	4000 K	120 V	128 W	POLE TOP @18'-0" AFG	DUAL-HEAD POLE TOP LIGHT @90-DEGREE, BUG B1-U0-G3
S4	GARDCO OPF-S-A04-840-T4W-AR1-120-BL50-L2-XX	LED	14643 lm	4000 K	120 V	104.3 W	POLE TOP @18'-0" AFG	POLE TOP LIGHT, BUG B1-U0-G2
X	EVENLITE RZR3-EM-R-U-XX-1B-SD	LED	5 lm	0 K	120 V	3 W	CEILING SURFACE	ILLUMINATED EXIT SIGN. PROVIDE MOUNTING HARDWARE AS REQUIRED. WEIGHT - 5LBS

NOTES:

1. COORDINATE LIGHT FIXTURE COLORS & FINISHES WITH ARCHITECT (TYPICAL).
2. EMERGENCY LIGHT FIXTURES SHALL BE PROVIDED WITH 90-MINUTE RUNTIME INTERGRATED BATTERY PACK WITH MINIMUM. PROVIDE UNSWITCHED HOT LEG FOR TRICKLE CHARGE TO EMERGENCY BATTERY PACK.
3. EXIT LIGHTS SHALL BE PROVIDED WITH WITH 90-MINUTE RUNTIME INTERGRATED BATTERY PACK. PROVIDE UNSWITCHED HOT LEG FOR TRICKLE CHARGE TO EMERGENCY BATTERY PACK.

(E) PANEL "PB" [1]

HVAC SECTION A

120/208 Volt, 3 Phase, 4 Wire
600 Amp BUS CU.
600 Amp MCB

65 KAIC Rating
SURFACE Mounted
NEMA 1 Type
MECH. RM B107 Location

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	30/3	(E) CONDENSER, CU-1							(E) FURNACE F-1, 3/4HP, 115V	20/1	2
3	-	CLASSROOM 01							(E) FURNACE F-2, 3/4HP, 115V	20/1	4
5	-	-							(E) FURNACE F-3, 3/4HP, 115V	20/1	6
7	30/3	(E) CONDENSER, CU-2							(E) FURNACE F-4, 3/4HP, 115V	20/1	8
9	-	CLASSROOM 02							(E) FURNACE F-5, 3/4HP, 115V	20/1	10
11	-	-							(E) FURNACE F-6, 3/4HP, 115V	20/1	12
13	30/3	(E) CONDENSER, CU-3							(E) FURNACE F-7, 3/4HP, 115V	20/1	14
15	-	CLASSROOM 03							(E) FURNACE F-8, 3/4HP, 115V	20/1	16
17	-	-							(E) FURNACE F-9, 3/4HP, 115V	20/1	18
19	30/3	(E) CONDENSER, CU-4							(E) FURNACE F-10, 3/4HP, 115V	20/1	20
21	-	CLASSROOM 04							(E) FURNACE F-11, 3/4HP, 115V	20/1	22
23	-	-							(E) FURNACE F-12, 3/4HP, 115V	20/1	24
25	30/1	(E) CONDENSER, CU-5							(E) FURNACE F-13, 2HP, 208V/3	20/1	26
27	-	CLASSROOM 05							(E) SPARE	20/1	28
29	-	-							(E) SPARE	20/1	30
31	30/3	(E) CONDENSER, CU-6							(E) CONDENSER, CU-12,	30/3	32
33	-	CLASSROOM 06							CLASSROOM 12	-	34
35	-	-							-	-	36
37	30/3	(E) CONDENSER, CU-7							CONDENSER, CU-13,	30/3	38
39	-	CLASSROOM 07							ADMIN/NURSE	-	40
41	-	-							-	-	42

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2]

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(E) PANEL "PB" [1]

SECTION B

120/208 Volt, 3 Phase, 4 Wire
600 Amp BUS CU.
600 Amp MCB

65 KAIC Rating
SURFACE Mounted
NEMA 1 Type
MECH. RM B107 Location

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
43	35/3	(E) CONDENSER, CU-9,							(E) CONDENSER, CU-11	35/3	44
45	-	CLASSROOM 09							CLASSROOM 11	-	46
47	-	-							-	-	48
49	35/3	(E) CONDENSER, CU-10,							(E) CONDENSER, CU-8	35/3	50
51	-	CLASSROOM 10							CLASSROOM 08	-	52
53	-	-							-	-	54
55	20/1	(E) MODERNIZATION, CLASS, 01							(E) MODERNIZATION CLASS 07	20/1	56
57	20/1	(E) MODERNIZATION, CLASS, 01							(E) MODERNIZATION CLASS 07	20/1	58
59	20/1	(E) MODERNIZATION, CLASS, 02							(E) MODERNIZATION CLASS 08	20/1	60
61	20/1	(E) MODERNIZATION, CLASS, 02							(E) MODERNIZATION CLASS 08	20/1	62
63	20/1	(E) MODERNIZATION, CLASS, 03							(E) MODERNIZATION CLASS 09	20/1	64
65	20/1	(E) MODERNIZATION, CLASS, 03							(E) MODERNIZATION CLASS 09	20/1	66
67	20/1	(E) MODERNIZATION, CLASS, 04							(E) MODERNIZATION CLASS 10	20/1	68
69	20/1	(E) MODERNIZATION, CLASS, 04							(E) MODERNIZATION CLASS 10	20/1	70
71	20/1	(E) MODERNIZATION, CLASS, 05							(E) MODERNIZATION CLASS 11	20/1	72
73	20/1	(E) MODERNIZATION, CLASS, 05							(E) MODERNIZATION CLASS 11	20/1	74
75	20/1	(E) MODERNIZATION, CLASS, 06							(E) MODERNIZATION CLASS 12	20/1	76
77	20/1	(E) MODERNIZATION, CLASS, 06							(E) MODERNIZATION CLASS 12	20/1	78
79	**20/2**	**HAND DRYER**							**RECEPTACLE**	20/1	80
81	-	-							(E) SPARE	20/1	82
83	20/1	(E) SPARE							(E) SPARE	20/1	84

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2]

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(N) PANEL "P" [1]

120/208 Volt, 3 Phase, 4 Wire
400 Amp BUS CU.
400 Amp MCB
Amp MLO

22 KAIC Rating
SURFACE Mounted
NEMA 3R Type

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	125/2	MODULAR #1							MODULAR #5	125/2	2
3	-	-							-	-	4
5	125/2	MODULAR #2							MODULAR #6	125/2	6
7	-	-							-	-	8
9	125/2	MODULAR #3							SITE LIGHTING	20/1	10
11	-	-							SPACE	PFB	12
13	125/2	MODULAR #4							SPACE	PFB	14
15	-	-							SPACE	PFB	16
17	PFB	SPACE							SPACE	PFB	18
19	PFB	SPACE							SPACE	PFB	20
21	PFB	SPACE							SPACE	PFB	22
23	PFB	SPACE							SPACE	PFB	24

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(N) PANEL "B" [1]

120/208 Volt, 3 Phase, 4 Wire
225 Amp BUS CU.
225 Amp MCB
Amp MLO

50 KAIC Rating
SURFACE Mounted
NEMA 1 Type

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	20/1	(E) LOAD							(E) LOAD	20/1	2
3	20/1	(E) LOAD							(E) LOAD	20/1	4
5	20/1	(E) LOAD							(E) LOAD	20/1	6
7	20/1	(E) LOAD							(E) LOAD	20/1	8
9	20/1	(E) LOAD							(E) LOAD	20/1	10
11	20/1	(E) LOAD							(E) LOAD	20/1	12
13	20/1	(E) LOAD							(E) LOAD	20/1	14
15	20/1	(E) LOAD							(E) LOAD	20/1	16
17	20/1	(E) LOAD							(E) LOAD	20/1	18
19	20/1	(E) LOAD							(E) LOAD	20/1	20
21	20/1	(E) LOAD							(E) LOAD	20/1	22
23	20/1	(E) LOAD							(E) LOAD	20/1	24
25	20/1	(E) LOAD							(E) LOAD	20/1	26
27	20/1	(E) LOAD							(E) LOAD	20/1	28
29	15/3	(E) LOAD							SPACE	PFB	30
31	-	-							SPACE	PFB	32
33	-	-							SPACE	PFB	34
35	PFB	SPACE							SPACE	PFB	36
37	PFB	SPACE							SPACE	PFB	38
39	PFB	SPACE							SPACE	PFB	40
41	PFB	SPACE							SPACE	PFB	42

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(E) PANEL "C" [1]

SECTION I

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type
MECH. RM B107 Location

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	20/1	(E) LIGHTS RM 2							(E) LIGHTS RM 1	20/1	2
3	20/1	(E) LIGHTS RM 2							(E) LIGHTS RM 1	20/1	4
5	20/1	(E) LIGHTS RM 2							(E) LIGHTS RM 1	20/1	6
7	20/1	(E) LTS MECH RM,STAFF WK,CLERK							(E) PLUGS NURSE RM,JAN,STOR	20/1	8
9	20/1	(E) LIGHTS CONF., PRINCIPAL OFF							(E) PLUGS RM 1	20/1	10
11	20/1	(E) LIGHTS STAFF STOR. TOILETS							(E) PLUGS RM 2	20/1	12
13	20/1	(E) LIGHTS ADMIN. CORR.							(E) CLOCK F.A. PHONE RECTIFIER	20/1	14
15	20/1	(E) LOAD							(E) LAMINATOR	20/1	16
17	20/1	(E) EVAC & MASTER CLOCK							(E) ADMIN. PLUGS	20/1	18
19	20/1	(E) FRONT CORR. LIGHTS							(E) ADMIN. PLUGS	20/1	20

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2]

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(E) PANEL "C" [1]

SECTION II

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type
MECH. RM B107 Location

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
21	20/1	(E) NIGHT LIGHTS CKT							(E) LOAD	20/1	22
23	20/1	(E) LOAD							(E) LOAD	20/1	24
25	20/1	(E) LOAD							(E) OUTSIDE LTS,PHOTOCELL,TIMER	20/1	26
27	20/1	(E) LOAD							(E) LOAD	20/1	28
29	20/1	(E) LOAD							(E) LOAD	20/1	30
31	20/1	(E) HEATING							(E) LOAD	20/1	32
33	15/3	(E) LOAD							(E) RECEPT'S NORTH WALL	15/1	34
-	-	-							(E) RECEPT'S NORTH WALL	15/1	-
-	-	-							(E) RM 1 WATER HEATER	15/1	-
35	15/3	(E) LOAD							(E) LOAD	20/1	36
-	-	-							(E) LOAD	20/1	38
-	-	-							(E) LOAD	20/1	40
37	15/3	(E) LOAD							(E) LOAD	30/2	42
-	-	-							-	-	-
-	-	-							(E) TELEPHONE BOARD OUTLET	20/1	44

PHASE TOTALS

A	B	C

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2]

DEMAND LOADS	
LIGHTING / CONTINUOUS LOAD x 125%	Watts
RECEPTACLES / OTHER x 100%	Watts
LARGEST MOTOR x 25%	Watts
TOTAL DEMAND LOADS	Watts
TOTAL DEMAND AMPS	AMPS

(N) PANEL "K" [1]

120/208 Volt, 3 Phase, 4 Wire
225 Amp BUS CU.
175 Amp MCB
Amp MLO

50 KAIC Rating
SURFACE Mounted
NEMA 1 Type

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	20/1	(E) LIGHTS CORR. STOR. AREA							(E) LIGHTS KITCHEN	20/1	2
3	20/1	(E) LIGHTS TOILET, STOR. MECH.							(E) LIGHTS STAFF DINING	20/1	4
5	20/1	(E) PLUGS CAN STORAGE.							(E) PLUGS KITCHEN- U.V.DINING	20/1	6
7	20/1	(E) EMERG. LTS- EX.FAN DINING							(E) EXHAUST FAN RANGE	20/1	8
9	20/1	(E) PLUG UNDER EAST SINK							(E) EXHAUST FAN DISHWASHER	20/1	10
11	20/1	(E) UNIT HEATER KITCHEN							(E) PLUG WASHING MACHINE	15/3	12
13	20/1	(E) EMERG. LTS- EX.FAN DINING							-	-	14
15	20/1	(E) PLUG MILK BOX							-	-	16
17	20/1	(E) PLUG FREEZER							(E) FREEZER/REF.COMPRESSOR	15/3	18
19	20/1	(E) LOAD							-	-	20
21	**20/1**	**(N) LANDSCAPE CONTROLLER**		200					-	-	22
23	20/1	(E) SPARE							(E) LOAD	15/3	24
25	30/2	(E) DRYER							-	-	26
27	-	-							-	-	28
29	40/3	(E) FLOOR BOX OVEN							(E) DISPOSAL	20/2	30
31	-	-							-	-	32
33	-	-							(E) A-C DINING	30/2	34
35	20/1	(E) PLUG STAFF ROOMS							-	-	36
37	20/1	(E) KITCHEN FLR PLUG E. WALL							(E) CONVECTION OVEN	20/1	38
39	20/1	(E) FOOD WARMER							(E) FREEZER	20/1	40
41	PFB	SPACE							(E) PLUG	20/1	42

PHASE TOTALS

A	B	C
	200	

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.

DEMAND LOADS		
LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	200	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	200	Watts
TOTAL DEMAND AMPS	1	AMPS

(N) PANEL "A" [1]

120/208 Volt, 3 Phase, 4 Wire
225 Amp BUS CU.
225 Amp MCB
Amp MLO

50 KAIC Rating
SURFACE Mounted
NEMA 1 Type

PHASE SUMMARY (WATTS)

CKT.	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT.
1	20/1	(E) LOAD							(E) LOAD	20/1	2
3	20/1	(E) LOAD							(E) LOAD	20/1	4
5	20/1	(E) LOAD							(E) LOAD	20/1	6
7	20/1	(E) LOAD							(E) LOAD	20/1	8
9	20/1	(E) LOAD							(E) LOAD	20/1	10
11	20/1	(E) LOAD							(E) LOAD	20/1	12
13	20/1	(E) LOAD							(E) LOAD	20/1	14
15	20/1	(E) LOAD							(E) LOAD	20/1	16
17	20/1	(E) LOAD							(E) LOAD	20/1	18
19	20/1	(E) LOAD							(E) LOAD	20/1	20
21	20/1	(E) LOAD							(E) LOAD	20/1	22
23	20/1	(E) LOAD							(E) LOAD	20/1	24
25	20/1	(E) LOAD							(E) LOAD	20/1	26
27	20/1	(E) LOAD							(E) LOAD	20/1	28
29	15/3	(E) LOAD							(E) LOAD	20/1	30
31	-	-							(E) LOAD	20/1	32
33	-	-							(E) LOAD	20/1	34
35	**20/1**	**LIGHTING - BLDG "D" RR BLDG**		**400**					(E) LOAD	20/1	36
37	20/1	(E) LOAD				**540**			**OUTLETS - D101**	**20/1**	38
39	**20/1**	**REF-D1, D2**	**300**				**540**		**OUTLETS - D100**	**20/1**	40
41	20/1	(E) LOAD						**1,800**	**ELECTRIC HAND DRYER**	**20/1**	42

PHASE TOTALS

A	B	C
540	640	2,200

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.

DEMAND LOADS		
LIGHTING / CONTINUOUS LOAD x 125%	500	Watts
RECEPTACLES / OTHER x 100%	3,180	Watts
LARGEST MOTOR x 25%	75	Watts
TOTAL DEMAND LOADS	3,755	Watts
TOTAL DEMAND AMPS	10	AMPS

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
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p 916-771-0778
www.lpengineers.com
Job #: 25-2140
REGISTERED PROFESSIONAL ENGINEER RAMI S. ZEIDAN No. E 16762 Exp. 9/30/26 ELECTRICAL STATE OF CALIFORNIA
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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916.329.4000
ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

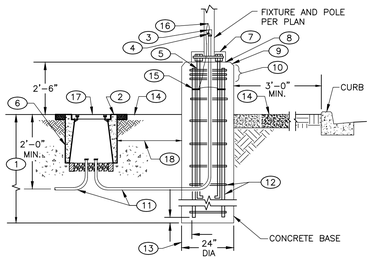
DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE

ELECTRICAL PANEL SCHEDULES

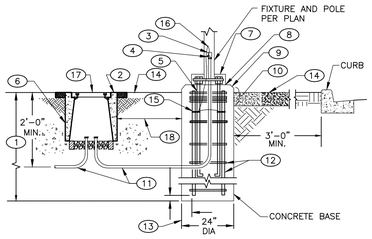
SHEET NO.

E711

1. PROVIDE 48" MINIMUM FOR LIGHT POLE UP TO 25 FEET, AND 60" MINIMUM FOR LIGHT POLE UP TO 35 FEET. COORDINATE CONCRETE BASE SIZE WITH STRUCTURAL ENGINEER.
2. UNDERGROUND PULL BOX REQUIRED ADJACENT TO POLE BASE WHERE INDICATED ON DRAWINGS. SET TOP OF PULLBOX FLUSH WITH FINISHED GRADE.
3. GASKETED HANDHOLE COVER WITH TWO STAINLESS STEEL TAMPERPROOF SCREWS.
4. CONNECT GROUND WIRE TO GROUNDING LUG OF POLE AT HANDHOLE.
5. FOUR ANCHOR BOLTS, SIZE PER MANUFACTURER'S STANDARDS.
6. PROVIDE PULL BOX ONLY WHERE SHOWN ON PLAN.
7. BASECOVER, SECURE TO POLE AND/OR BASE.
8. PROVIDE 1 1/2" MINIMUM GROUT AROUND THE BASE AFTER PLUMB. SLOPE TO GRADE FOR DRAINAGE.
9. PROVIDE CONCRETE BASE WITH 1/2" CHAMFER. CONCRETE FILL AND SACK FINISH ALL CONCRETE SURFACE IMPERFECTIONS, CAVITIES AND VOIDS ABOVE FINISHED GRADE .
10. PROVIDE (3) #3 REBAR TIES, REINFORCE STEEL HOOPS 2" ON CENTERED WITHIN TOP 5"AREA.
11. CONDUIT PER PLAN.
12. PROVIDE (6) #4 REINFORCE STEEL RODS AND #3 REINFORCE STEEL HOOPS 9" ON CENTER. SIZE PER MANUFACTURER'S STANDARDS.
13. PROVIDE 3" CLEAR IF CAST AGAINST EARTH, TYPICAL.
14. FINISHED GRADE OR PAVING PER ARCHITECTURAL DRAWINGS.
15. UL LISTED GROUND CLAMP SUITABLE FOR CONCRETE ENCASEMENT OR DIRECT BURIAL. INSTALL CLAMPS ON ALL ANCHOR BOLTS, TYPICAL.
16. SPLICE GROUND WIRE AND EXTEND TO GROUND CLAMP AT ANCHOR BOLT.
17. PROVIDE TRAFFIC BOLT-DOWN COVER.
18. LOCATE PULL BOX ADJACENT TO THE POLE CONCRETE BASE.



APPLICABLE AT PARKING LOT



APPLICABLE AT PEDESTRIAN WALKWAY

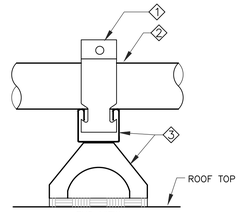
FILENAME

FIXTURE POLE BASE MOUNTING DETAIL — NOT FOR DSA REVIEW — NTS — 9

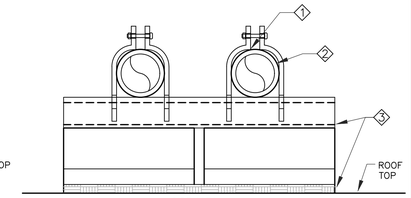
KEY NOTES

1. HOT-DIPPED GALVANIZED UNISTRUT CONDUIT CLAMP. SIZE AS REQUIRED.
2. CONDUIT AS NOTED ON DRAWINGS.
3. ROOFTOP SUPPORT BASE, B-LINE C6 SERIES WITH HOT-DIPPED GALVANIZED B12 CHANNEL. SECURE TO ROOF WITH A FULL BED OF NON-HARDENING ADHESIVE TYPE MASTIC.

NOTE:
INSTALL SUPPORT BLOCK 8'-0" O.C. MAX, WITHIN 36" OF A BOX CONNECTION, AND AT EACH CHANGE OF DIRECTION.

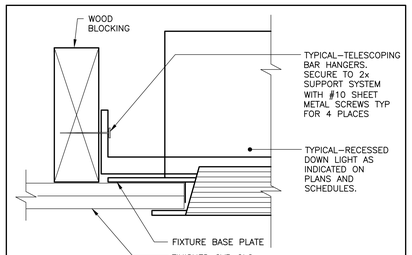


END VIEW



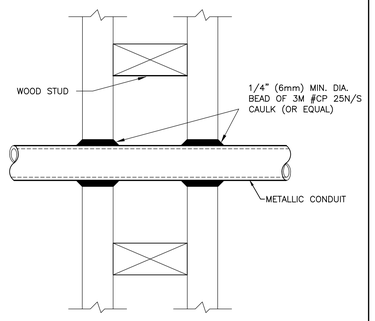
SIDE VIEW

ROOF CONDUIT LOW SUPPORT DETAIL — NTS — 4



FILENAME

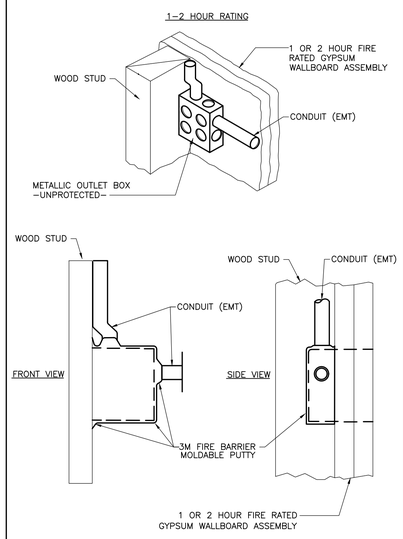
RECESSED DOWNLIGHT MOUNTING DETAIL — WOOD FRAMING — NTS — 1



STUD WALL

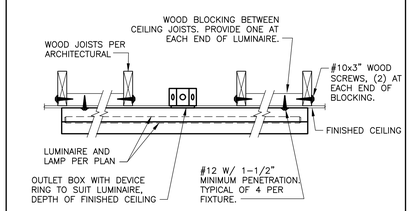
NOTES:
1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
4. INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #WL1001.

CONDUIT PENETRATION FIRESTOP DETAIL — FOR METALLIC CONDUITS THROUGH FIRE RATED WOOD WALLS — NTS — 6



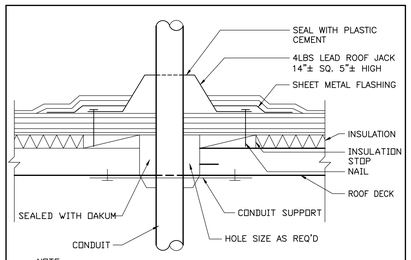
FILENAME

WALL OPENING FIRE BARRIER 1 OR 2 HOUR WALL — NTS — 5



FILENAME

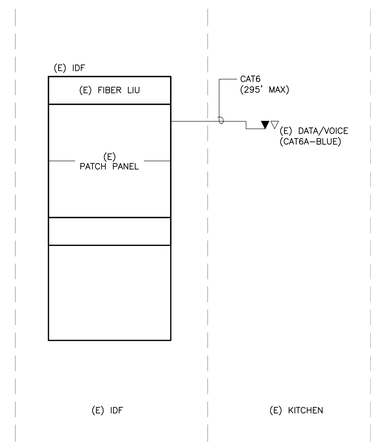
CEILING SURFACE LIGHT FIXTURE MOUNTING DETAIL FOR WOOD FRAMING — NTS — 2



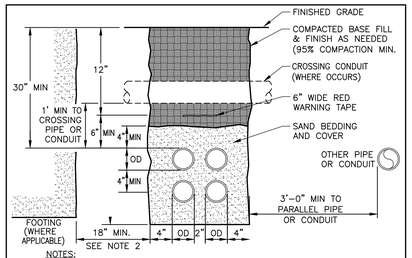
NOTE:
SEALANT TO BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR

FILENAME ELGE001B

ROOF CONDUIT PENETRATION DETAIL — NTS — 3



DATA ONE-LINE — NTS — 10

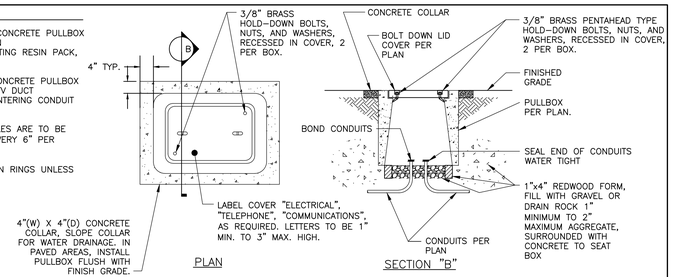


NOTES:
1. TRENCHING LOCATED IN PAVED AREAS – ALL EARTHWORK AND REPAIR SHALL BE IN ACCORDANCE WITH AGENCY THAT HAS JURISDICTION.
2. ALL PIPES AND TRENCHES MUST ALSO CONFORM WITH CBC 1809A.14

FILENAME

TYPICAL TRENCH DETAIL — NTS — 8

NOTES:
1. ALL SPLICES WITH-IN THE CONCRETE PULLBOX ARE TO BE SEALED WITH AN INSULATING AND ENCAPSULATING RESIN PACK, SCOTCHCAST 4 OR EQUAL.
2. ALL CONDUIT WITHIN THE CONCRETE PULLBOX ARE TO BE SEALED WITH RTV DUCT SEAL TO PREVENT WATER ENTERING CONDUIT SYSTEM.
3. ALL CONDUCTORS AND CABLES ARE TO BE GROUPED AND WIRE TIED EVERY 6" PER CONDUIT FILL.
4. PROVIDE TWO 12" EXTENSION RINGS UNLESS NOTED OTHERWISE



FILENAME ELGE002B

TYPICAL UNDERGROUND CONCRETE PULLBOX DETAIL — NTS — 7

INCREMENT NO. 1

AGENCY APPROVAL — DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
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p 916-771-0778
www.lpengineers.com
Job #: 25-2140

REGISTERED PROFESSIONAL ENGINEER — RAMI S. ZEIDAN — No. E 16762 — Exp. 9/30/26 — ELECTRICAL — STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00

SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E811

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: SCUSD - Thomas Jefferson ES	Report Page:	(Page 4 of 4)
Project Address:	Date Prepared:	2025-12-09T11:50:30-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Tyler Soto	Documentation Author Signature: Tyler Soto
Company: LP Consulting Engineers	Signature Date: 12/09/2025
Address: 1209 Pleasant Grove Blvd.	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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: Rami S. Zeidan	Responsible Designer Signature: Rami Zeidan
Company: LP Consulting Engineers	Date Signed: 12/09/2025
Address: 1209 Pleasant Grove Blvd.	License: E16762
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii

Project Name:	SCUSD - Thomas Jefferson ES	Report Page:	(Page 1 of 4)
Project Address:		Date Prepared:	2025-12-09T11:50:30-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	02	Climate Zone	12
			03	Occupancy Types Within Project:	Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work [1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
120/208V-3ϕ-4W, 2000A BUS, 65 KAIC; Located on sheet E100	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/160.3, 130.1/160.5, and 130.3/160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1] FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: SCUSD - Thomas Jefferson ES	Report Page:	(Page 2 of 4)
	Date Prepared:	2025-12-09T11:50:30-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. 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.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			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.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Piii/ 180.2(b)4Bviic.

01	02			03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method			Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
						Pass	Fail
120/208V-3ϕ-4W, 2000A BUS, 65 KAIC; Located on sheet E100	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E512	☐ ☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: SCUSD - Thomas Jefferson ES	Report Page:	(Page 3 of 4)
	Date Prepared:	2025-12-09T11:50:30-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have 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-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

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STATE OF CALIFORNIA

CONSULTANT

nacht&lewis
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916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025

JOB NO.: Y2524.00

SHEET TITLE

TITLE 24 ENERGY COMPLIANCE FORMS

SHEET NO.

E911

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	SCUSD - Thomas Jefferson ES	**Report Page:**	**(Page 3 of 8)**
		Date Prepared:	2025-12-08T13:46:53-05:00

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 130.2(b) /160.5(c)1 [4]	Field Inspector	
										Pass	Fail
S1	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2	☐ Linear	83	Mfr. Spec	1	New	☐	83	Provided	☐	☐
S2	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2	☐ Linear	83	Mfr. Spec	2	New	☐	166	Provided	☐	☐
S3	DUAL-HEAD POLE TOP LIGHT @90-DEGREE, BUG B1-U0-G3	☐ Linear	128	Mfr. Spec	1	New	☐	128	Provided	☐	☐
S4	POLE TOP LIGHT, BUG B1-U0-G2	☐ Linear	104.3	Mfr. Spec	1	New	☐	104.3	Provided	☐	☐
							Total Design Watts:	481.3			

* 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/ft 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 replacement 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(b)/ 160.5(c)

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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		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**	
539.49	+	---	+	---	+	---	+	---	OR	---	=		539.49	≥	481.3	COMPLIES	
Shielding Compliance (See Table G for Details)																COMPLIES	
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.

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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, 180.1(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.			
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A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	04	Total Illuminated Hardscape Area (ft^2)	33749
02	Climate Zone	12			

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
• School or Classroom

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.

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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 (ft^2)	Allowed Density (W/ft^2)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
NORTH PATHWAY	8128	0.021	170.69	594	0.2	118.8	289.49
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							539.49

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.

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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 (ie 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
NORTH PATHWAY: "S1"	Astronomical Timer	Provided	Provided	☐	☐
NORTH PATHWAY: "S2"	Astronomical Timer	Provided	Provided	☐	☐
NORTH PATHWAY: "S3"	Astronomical Timer	Provided	Provided	☐	☐
NORTH PATHWAY: "S4"	Astronomical Timer	Provided	Provided	☐	☐

[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 ii and iii.

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G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
		Mounting Height[1]	Max Allowable Backlight Rating [3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating [3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating [3]	Glare Rating Per Design	Pass	Fail
S1	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2	2 MH from property line	No Limit	B3	Area Lighting	U0	U0	> 2 MH from property line	G3	G2	☐	☐
S2	ARCHITECTURAL PEDESTRIAN POLE TOP LIGHT, BUG B3-U0-G2	2 MH from property line	No Limit	B3	Area Lighting	U0	U0	> 2 MH from property line	G3	G2	☐	☐
S3	DUAL-HEAD POLE TOP LIGHT @90-DEGREE, BUG B1-U0-G3	2 MH from property line	No Limit	B1	Area Lighting	U0	U0	> 2 MH from property line	G3	G3	☐	☐
S4	POLE TOP LIGHT, BUG B1-U0-G2	2 MH from property line	No Limit	B1	Area Lighting	U0	U0	> 2 MH from property line	G3	G2	☐	☐

[1] FOOTNOTES: Mounting Height is labeled MH in this table.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Tyler Soto	Documentation Author Signature: Tyler Soto
Company: LP Consulting Engineers	Signature Date: 12/09/2025
Address: 1209 Pleasant Grove Blvd.	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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: Rami S. Zeidan	Responsible Designer Signature: Rami Zeidan
Company: LP Consulting Engineers	Date Signed: 12/09/2025
Address: 1209 Pleasant Grove Blvd.	License: E16762
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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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.	NORTH PATHWAY: "S1"; NORTH PATHWAY: "S2"; NORTH PATHWAY: "S3"; NORTH PATHWAY: "S4"

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2140
REGISTERED PROFESSIONAL ENGINEER Rami S. ZEIDAN No. E 16762 Exp. 9/30/26 ELECTRICAL STATE OF CALIFORNIA
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000
ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/12/2025
JOB NO.: Y2524.00
SHEET TITLE
TITLE 24 ENERGY COMPLIANCE FORMS
SHEET NO.
E912

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

FIRE ALARM SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	CSFM LISTING/NOTES/DETAIL REFERENCES
FACP *	FIRE ALARM CONTROL PANEL (EXISTING)	FIRELITE	MS-9600UDLS	7165-0075:0217
EVAC	VOICE COMMUNICATION SYSTEM (EXISTING)	COOPER/WHEELOCK	SP40S	6911-0785:0157
ANN	FIRE ALARM ANNUNCIATOR (EXISTING)	FIRELITE	LCD-80F	7120-0075:0190
F	PULL STATION (EXISTING)	FIRELITE	BG-12LX	7150-0075:0184
S	SMOKE DETECTOR (NEW)	FIRELITE	SD365, B300-6	7272-0075:0502,7300-1653:0109
S (E)	SMOKE DETECTOR (EXISTING)	FIRELITE	SD365, B300-6	7272-0075:0502,7300-1653:0109
H (E)	HEAT DETECTOR (EXISTING)	FIRELITE	H365, B300-6	7270-0075:0501,7300-1653:0109
H F	NON-ADDRESSABLE HEAT DETECTOR FIXED 194°, MOUNT IN ATTIC (UNO)	POTTER/THERMOTECH	302-194	7270-0021:0001
IM	ISOLATOR MODULE	FIRELITE	I300	7300-0075:0159
CR	CONTROL RELAY MODULE	FIRELITE	CRF-300	7300-0075:0185
MM	MONITOR MODULE	FIRELITE	MMF-300	7300-0075:0185
PS	REMOTE POWER SUPPLY	FIRELITE	FL-PS6	7315-0075:0510
	INDOOR CEILING SPEAKER STROBE	SYSTEM SENSOR	SPSCRL	7320-1653:0505
WP	OUTDOOR SPEAKER	SYSTEM SENSOR	SPRK	7320-1653:0201

DEVICE NOTES:
* THE INSTALLING CONTRACTOR SHALL PROVIDE ALL PROGRAMMING FOR A COMPLETE AND OPERABLE SYSTEM PER THE OWNERS STANDARDS.

FIRE ALARM WIRE TYPE LEGEND:

CABLE ID	DESCRIPTION	CABLE TYPE	INTERIOR OPEN PATHWAY (NON PLENUM)	INTERIOR OPEN PATHWAY (PLENUM)	UNDERGROUND
VIS	VISIBLE NAC CIRCUIT	2-COND 12 AWG STRANDED RED JACKET	W.P. 998S	W.P. 60995BS	W.P. AQ-227
AUD	AUDIBLE NAC CIRCUIT	2-COND 14 AWG TWISTED	W.P. 994S	W.P. 60993BS	W.P. AQ-226
A	SIGNAL CIRCUIT	2-COND 18 AWG TWISTED	W.P. D980	W.P. 60980	W.P AQ-224
D	INITIATING DEVICE CIRCUIT	2-COND 18 AWG TWISTED	W.P. D980	W.P. 60980B	W.P. AQ-224
S	NAC TRIP CIRCUIT	2-COND 18 AWG TWISTED	W.P. D980	W.P. 60980B	W.P. AQ-224
AUX	AUXILIARY POWER CIRCUIT	2-COND 12 AWG TWISTED	W.P. 998S	W.P. 60995BS	W.P. AQ-227

NOTE:
(1) 1) ALL FIRE CABLE SHALL HAVE A RED JACKET.
2) ALL UNDERGROUND CABLE SHALL BE WEST PENN AQUA SEAL, OR AN APPROVED EQUAL BY DISTRICT.
3) ALL FIRE ALARM CABLING TO BE FPL OR FPLP RATED.

INTERIOR TO EXTERIOR COLOR CODE:

INT	FUNCTION		EXT
RED BLK WHT GRN	+ DATA/ - DATA/ POSITIVE NEGATIVE	+ INITIATING - INITIATING	RED BLK BLU BRN

FIRE ALARM MATRIX:

ACTION / RESULTS	PULL STATION	SMOKE DETECTOR	HEAT DETECTOR	WATERFLOW	DUCT SMOKE DETECTOR	VALVE SUPERVISION	POWER LOSS AC OR BATTERY	REMOTE POWER BOOSTER TROUBLE
ALARM INDICATOR AT FIRE ALARM PANEL AND REMOTE ANNUNCIATOR	✓	✓	✓	✓				
ALARM W/ RECORDED SPEECH/LIVE SPEECH/WHERE INSTALLED or 1KHz TONE(*) & SYNCHRONIZED STROBES WHERE REQ.	✓	✓	✓	✓				
TROUBLE INDICATION AT FIRE ALARM PANEL	✓	✓	✓	✓	✓		✓	✓
SUPERVISORY INDICATION AT FIRE ALARM PANEL					✓**	✓		
HVAC UNIT SHUTDOWN (FOR CONTROLLED UNITS)		✓			✓			
MONITORED AT CENTRAL STATION	✓	✓	✓	✓	✓	✓	✓	✓

* - 1KHz TONE OCCURS IF AMPLIFIER IS DISABLED.
** - NFPA 72, 21.7.4 DUCT SMOKE DETECTORS SHALL INITIATE A SUPERVISORY SIGNAL.

ANCHORAGE AND BRACING NOTES:

APPLICABLE CODE: 2022 CBC REVISED: 01/11/2024

MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒
OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐
OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM #) #_____, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

DESCRIPTORS LEGEND:

FIRE ALARM VISIBLE AND AUDIBLE NOTIFICATION APPLIANCE DESCRIPTORS

XX-XXXX
- APPLIANCE ID NUMBER
- CIRCUIT NUMBER
- POWER EXTENDER / AMPLIFIER NUMBER

15cd — CANDELA RATING
1/4w — WATTAGE RATING

FIRE ALARM INITIATING DEVICE DESCRIPTORS

X-XXXX
- DEVICE ID NUMBER
- D OR M (DETECTOR OR MODULE)
- LOOP NUMBER

TYPICAL CIRCUIT CABLE DESCRIPTORS

X-X — QUANTITY OF CABLES - CABLE ID

FIRE ALARM NOTES:

1. THE AUTOMATIC FIRE ALARM SYSTEM SHALL BE REPLACED AND TESTED IN ACCORDANCE WITH APPLICABLE CODES AS LISTED ON COVER SHEET.
2. LABEL ALL DEVICES, PANELS AND TERMINAL CANS WITH BLACK LETTERS ON WHITE SELF ADHESIVE TAPE (1/4" LETTERS FOR DEVICES LOCATED <= 10' AFF, 1/2" LETTERS FOR DEVICES >10' AFF).
3. DEVICE MOUNTING AND BACK BOXES SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
4. ALL CONDUIT AND SURFACE RACEWAY FILL RATE SHALL NOT EXCEED 40%.
5. ALL CABLES SHALL BE RUN UNEXPOSED THROUGHOUT THE ENTIRE CABLE PATH.
6. WHEN APPROVED BY THE ARCHITECT/DESIGNER IT IS ACCEPTABLE TO FISH CABLES IN NON-ACCESSIBLE AREAS INSTEAD OF INSTALLING SURFACE RACEWAY.
7. OPEN RUN CABLES CONCEALED ABOVE CEILING SHALL BE ROUTED UNIFORMLY AND PERPENDICULAR TO THE BUILDING STRUCTURE. CABLES TURNS SHALL BE ROUTED AT 90° ANGLES TO THE BUILDING. NO DIAGONAL RUNS ARE PERMITTED.
8. ALL WIRING SHALL BE INSTALLED IN A NEAT, PROFESSIONAL AND WORKMAN-LIKE MANNER
9. ALL CABLES SHALL BE IDENTIFIED (PER CABLE SCHEDULE) AT ALL PANELS AND/OR TERMINAL CABINETS WITH PRINTED SELF ADHESIVE LABELS IN A NEAT AND PERMANENT MANNER.
10. PROVIDE 24" SERVICE LOOP AT END TERMINAL CABINETS ONLY, UNLESS NOTED OTHERWISE.
11. CABLES SHALL NOT BE PERMITTED TO LAY ON ANY SUSPENDED CEILING SURFACES OR EQUIPMENT, OR TIED TO ANY SUPPORT WIRES OR STRUCTURE. CABLE ROUTES SHALL BE SELF SUPPORTED AT A MINIMUM OF EVERY 48" O.C. WITH "D" RING OR EQUAL SUPPORTS.
12. USE EXISTING LOW VOLTAGE PATHWAYS, CABLE TRAYS AND LADDER RACKS OF SAME SYSTEM TYPE WHENEVER POSSIBLE.
13. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON DESIGN DOCUMENTS.
14. ALL CONDUIT STUBS SHALL HAVE A PROTECTIVE BUSHING AT THEIR ENDS.
15. PROVIDE STRAIN RELIEF AT ALL BACK BOX TO OPEN WIRE TRANSITIONS.
16. UNDERGROUND TO BUILDING CIRCUIT CONNECTIONS SHALL BE MADE AT TERMINAL STRIPS OR FIRST INTERIOR DEVICE ONLY.
17. RESTORE ANY DISTURBED SURFACES BY THE INSTALLATION AND/OR REMOVAL OF EQUIPMENT TO MATCH ORIGINAL CONDITION.
18. REMOVE ALL ABANDONED EQUIPMENT AND WIRE. ABANDONED UNDERGROUND CONDUITS SHALL HAVE WIRE REMOVED AND ENDS CAPPED. ABANDONED CONDUIT IN ATTIC SHALL HAVE WIRE REMOVED. ABANDONED EXPOSED PATHWAY SHALL BE REMOVED.
19. UNLESS OTHERWISE NOTED, REMOVED FLUSH MOUNTED DEVICES OR PANELS SHALL HAVE BLANK METAL COVERS INSTALLED.
20. REMOVED EQUIPMENT SHALL BE RETURNED TO THE OWNER OR PROPERLY DISPOSED OF PER OWNERS REQUEST.
21. THE CONTRACTOR SHALL PRETEST THE SYSTEM TO VERIFY OPERATION IS 100% BEFORE CALLING FOR INSPECTION. FAILED INSPECTION CAN RESULT IN FEES PAYABLE TO THE AHJ AND ARCHITECT/ DESIGNER.
22. PER CBC 907.6.6.4 (SFM AMENDMENT) REQUIRES FIRE ALARM TO TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATIONS SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011.
23. THE INSTALLING CONTRACTOR SHALL PROVIDE A TYPED RECORD OF COMPLETION PER NFPA 72. A FINAL WILL NOT BE GRANTED UNTIL THE ABOVE IS APPROVED BY THE OWNER.
24. FINAL ACCEPTANCE TEST TO INCLUDE TESTING THE CONNECTION BETWEEN THE FIRE ALARM PANEL AND THE SUPERVISING STATION.
25. INSPECTION AND TESTING TO COMPLY WITH NFPA 72, CHAPTER 14 REQUIREMENTS.
26. DOCUMENTED ON THE "SYSTEM RECORD OF COMPLETION". FIGURE 7.8.2(a) THROUGH (l) AS APPLICABLE.

SITE SPECIFIC NOTES AND PERFORMANCE SCOPE OF WORK:

1. PRODUCE AND RECEIVE APPROVAL FOR "SHOP DRAWINGS" PRIOR TO ORDERING EQUIPMENT. PARTS LISTED ARE MAJOR COMPONENTS AND MAY NOT LIST ALL REQUIRED COMPONENTS. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND OPERABLE SYSTEM TO THE SATISFACTION OF THE DISTRICT.
2. PRE-TEST EXISTING SYSTEM AND NOTIFY DISTRICT OR DISTRICT'S REPRESENTATIVE OF ANY INITIATION/NOTIFICATION DEVICES THAT NEED REPAIR.
3. SLC CIRCUIT IS NEW FROM EXISTING FACP.
4. SPEAKER CIRCUIT IS AN ADDITION TO THE EXISTING VOICE EVAC SYSTEM.
5. POWER BOOSTER AND VISIBLE CIRCUIT IS NEW.

FIRE ALARM SHEET INDEX:

SHEET	DESCRIPTION
FA001	FIRE ALARM COVER SHEET
FA100	FIRE ALARM SITE PLAN
FA200	FIRE ALARM FLOOR PLAN - BUILDING "B"
FA201	FIRE ALARM FLOOR PLAN - EXISTING PORTABLES
FA202	FIRE ALARM FLOOR PLAN - NEW PORTABLES
FA501	FIRE ALARM DETAILS
FA601	FIRE ALARM SINGLE LINE DIAGRAM AND BATTER CALCS.

DSA GL-2 (REV 08-10-18) FIRE ALARM AND DETECTION SYSTEMS NOTES:

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (Dba) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 Dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEASE 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN. (UNLESS NOTED OTHERWISE).
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72.
22. CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" (UNLESS NOTED OTHERWISE).
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEM (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. (UNLESS NOTED OTHERWISE)
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

**** UPDATED TO REFLECT CURRENT CODE CYCLE.

PROJECT CODES AND STANDARDS

REVISED: 01/11/2024

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE JANUARY 1, 2022:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2021 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2020 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2021 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24, PART 5 (2021 UNIFORM PLUMBING CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2021 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

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FIRE ALARM SYSTEMS, LEVEL III
ENGINEERING TECHNICIAN
NICET #: 129281
EXP. DATE: 06/01/2025

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

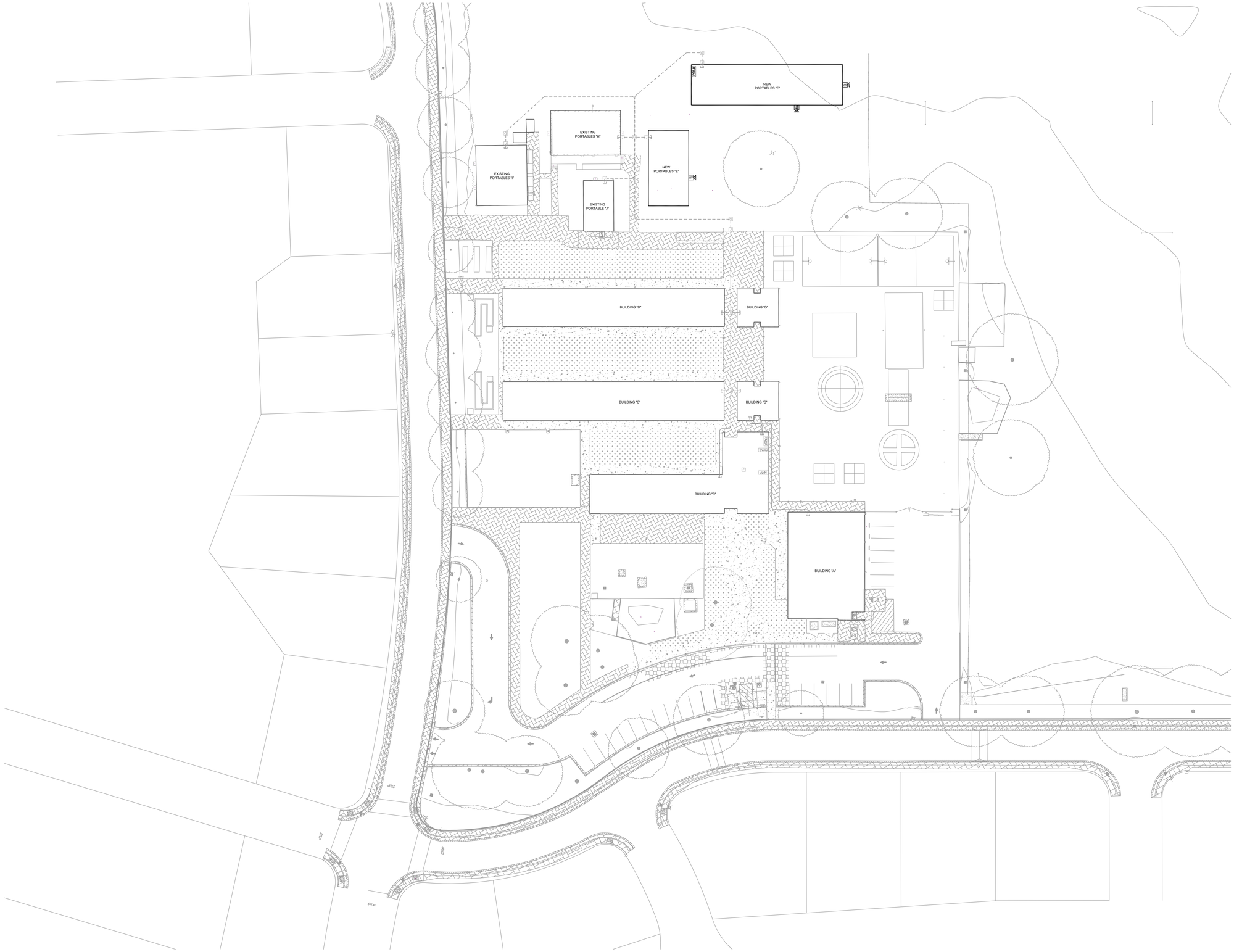
DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

FIRE ALARM COVER SHEET

SHEET NO.

FA001

INCREMENT NO. 1



FIRE ALARM SITE PLAN

SCALE: 1"=30'-0"

0 30 60

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

FIRE ALARM
SITE PLAN

SHEET NO.

FA100

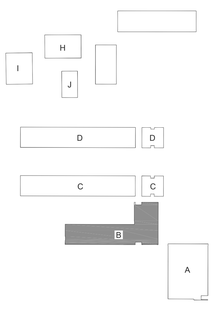
INCREMENT NO. 1

FIRE ALARM FLOOR PLAN - BUILDING "B"

SCALE: 1/8"=1–0"

0 4 8 12 16

KEYPLAN:



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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

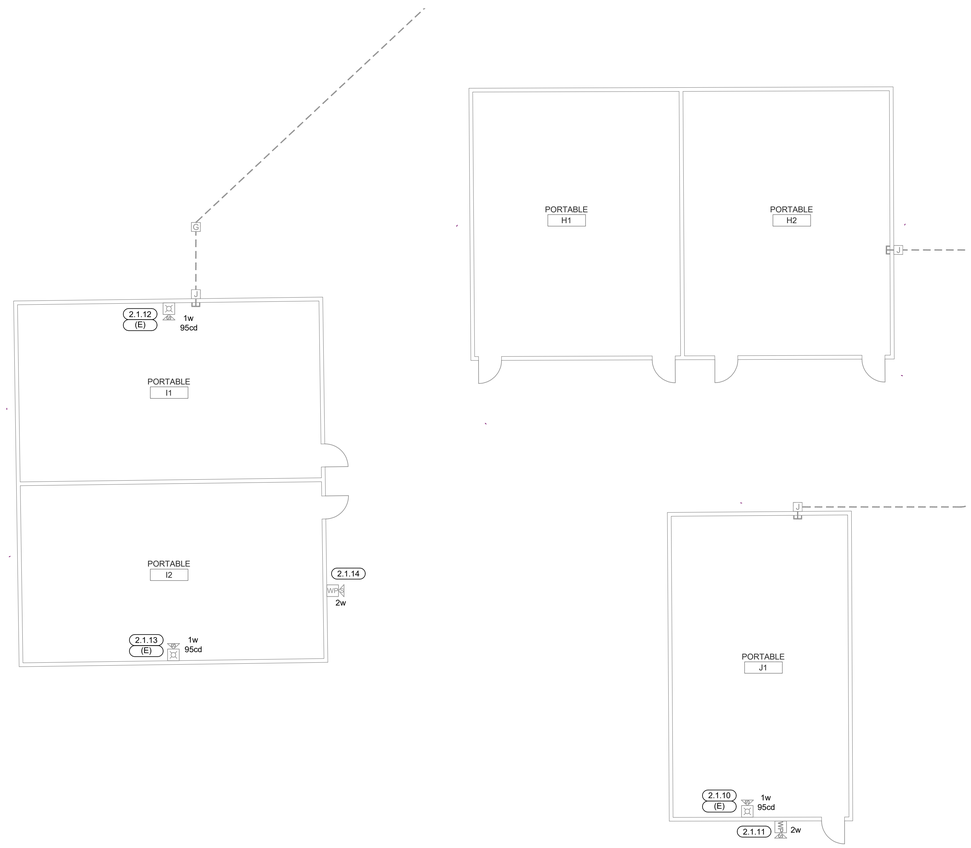
FIRE ALARM
FLOOR PLAN
BUILDING "B"

SHEET NO.

FA200

ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

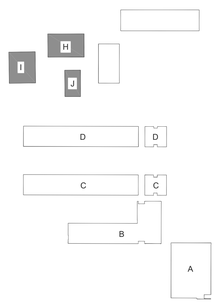


FIRE ALARM FLOOR PLAN - EXISTING PORTABLES

SCALE: 1/8"=1–0"

0 4 8 12 16

KEYPLAN:



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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

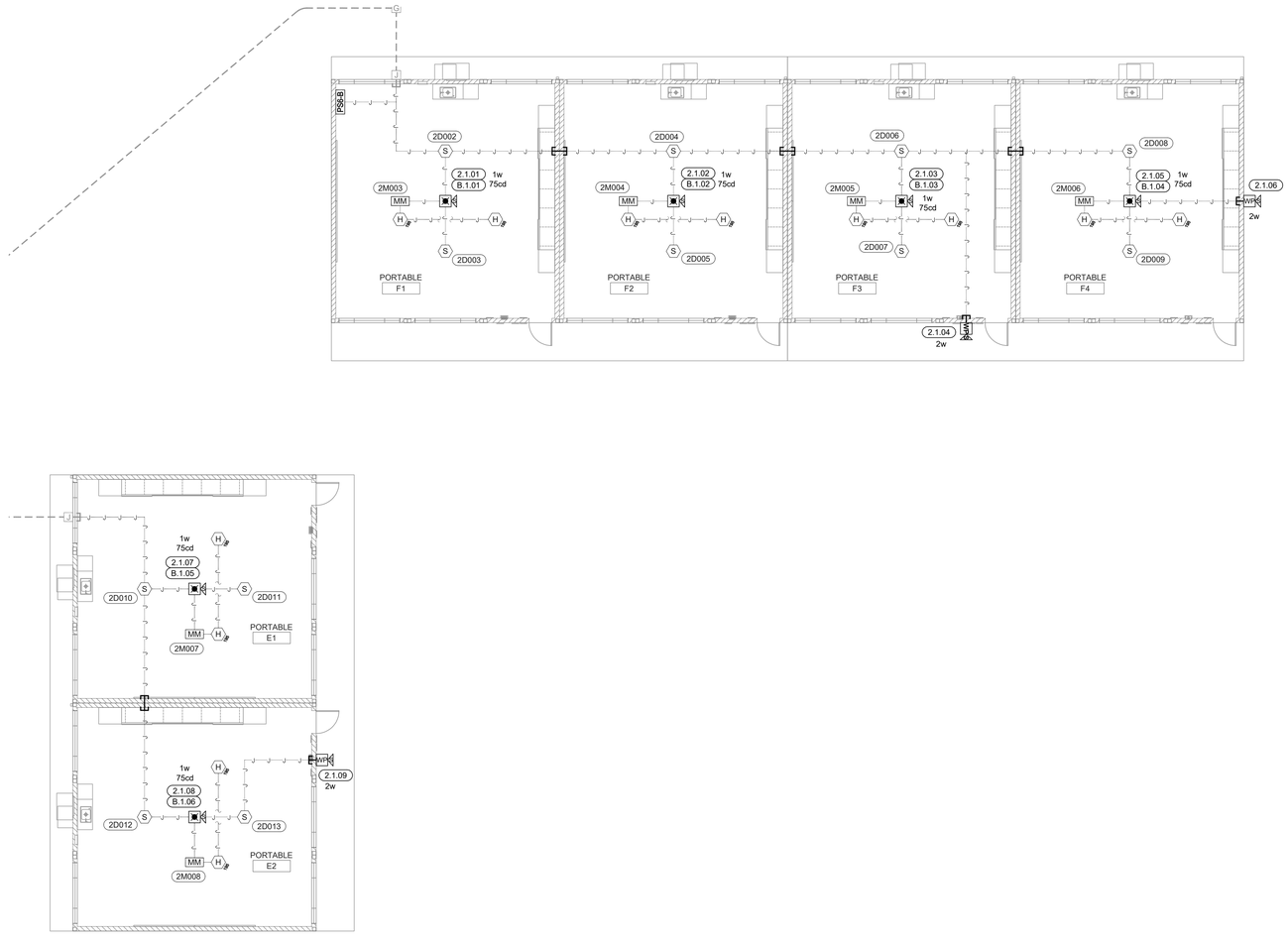
SHEET TITLE

FIRE ALARM
FLOOR PLAN
EXISTING PORTABLES

SHEET NO.

FA201

INCREMENT NO. 1

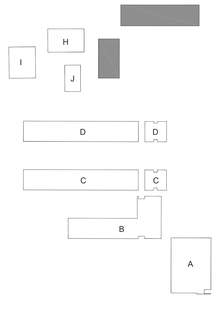


FIRE ALARM FLOOR PLAN - NEW PORTABLES

SCALE: 1/8"=1–0"

0 4 8 12 16

KEYPLAN:



AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

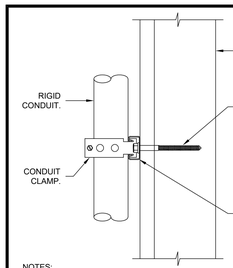
JOB NO.: Y2524.00

SHEET TITLE

FIRE ALARM
FLOOR PLAN
NEW PORTABLES

SHEET NO.

FA202

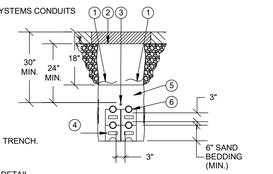


NOTES:
1. MAXIMUM OF 1" SPACING BETWEEN PARALLEL CONDUITS WHERE APPLICABLE.
2. MAXIMUM OF 36" BETWEEN VERTICAL SPACING SUPPORT.

16 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE: NONE

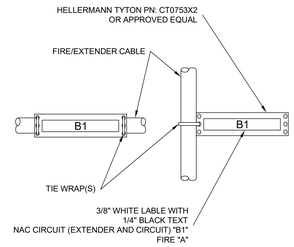
NOT USED

1. PLASTIC WARNING TAPE
2. LAST 12" AB MATERIAL AT 95%%% COMPACTION FOR ASPHALT AND CONCRETE. 90%%% FOR PLANTED AREAS
3. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
4. BOTTOM AND MIDDLE PLASTIC SPACERS EVERY 5'-0" SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
5. SAND AT 90% COMPACTION
6. SIGNAL SYSTEMS CONDUITS

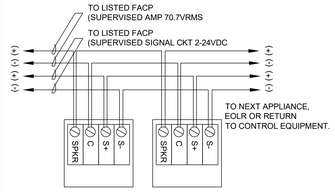


NOTE:
1. HAND DIG TRENCH.

11 TRENCH DETAIL
SCALE: NONE

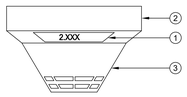


6 FIRE CABLE LABELING DETAIL - BELOW GROUND
SCALE: NONE



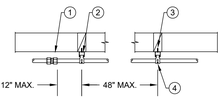
4 SPEAKER/STROBE WIRING DETAIL
SCALE: NONE

1. LABEL EACH DEVICE WITH 1/4" BLACK NUMBERS ON WHITE SELF ADHESIVE TAPE (EXAMPLE: 2.001)
2. ATTACH LABEL TO: DRESS RING; BACKBOX OR BASE. LABEL SHALL BE VISIBLE FLOOR SIDE
3. DO NOT ATTACH LABEL TO DEVICE HEAD

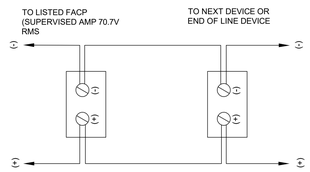


3 ADDRESSABLE SMOKE / HEAT INITIATING DEVICE DETAIL
SCALE: NONE

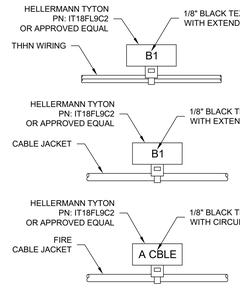
1. WEATHERPROOF COUPLING DEVICE BOX OR JUNCTION, TYP.
2. UNISTRUT P1000T, TYP.
3. WOOD STRUCTURE:
   - 1/4"X1-1/2" WOOD SCREW W/ HEX HEAD AND WASHER. (2 SCREWS MIN.)
4. UNISTRUT UNIVERSAL PIPE CLAMP FOR 1/2" TO 2" CONDUIT:
   - 1/2" - P1211 (16 GA)
   - 3/4" - P1212 (16 GA)
   - 1" - P1213 (16 GA)
   - 1 1/4" - P1214 (14 GA)
   - 1 1/2" - P1215 (14 GA)
   - 2" - P1217 (14 GA)



15 CONDUIT STRAP SPACING DETAIL - HORIZONTAL
SCALE: NONE

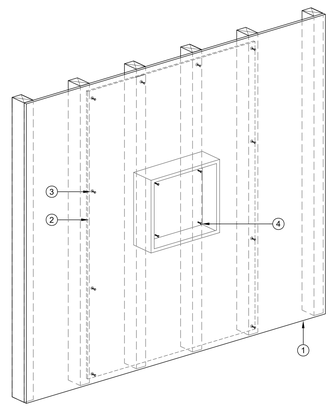


12 SPEAKER ONLY WIRING DETAIL
SCALE: NONE



10

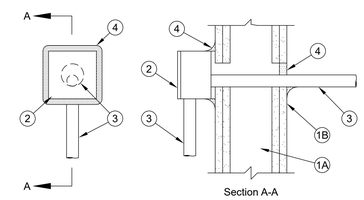
1. WOOD STUD WALL PER ARCHITECTURAL
2. 1" FIRE RETARDANT PLYWOOD BACKPLANE, CUT TO FIT AS SHOWN PER PLAN.
3. INSTALL #12 WOOD SCREW, TYP. EACH CORNER OF PLYWOOD AND 6" EDGE SPACING AND 12" FIELD SPACING, 1-1/2" MIN. EMBEDMENT INTO STUD CENTER.
4. CABINET: INSTALL 1/4" LAG SCREW W/ SPLIT WASHER, 1" MIN. EMBED, TYP. IN ALL FACTORY ANCHORING POINTS (MIN. EACH CABINET CORNER) INTO PLYWOOD. (50 LBS MAX. LOADING CAPACITY PER LAG SCREW)



5 CABINET AND BACKPLANE ANCHORING DETAIL
SCALE: NONE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 **System No. W-L-1448**

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 0 Hr



1. **Wall Assembly -** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs -** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3 1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board* -** 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Diam of opening to be 1/2 in. (13 mm) to 1 in. (25 mm) larger than outside diam of through penetrant. Max diam of opening is 2-1/4 in. (57 mm).
   The F Rating of the firestop system is equal to the fire rating of the wall assembly.
2. **Pull or Junction Box+ -** Min 16 ga steel pull or junction box mounted flush with or max 1/4 in. (6 mm) from surface of wall.
   See **Junction and Pull Boxes** (BGUZ) category in the Electrical Construction Material Directory for names of manufacturers.
3. **Conduit -** One nom 1 in. (25 mm) diam (or smaller) steel conduit or steel electrical metallic tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. (point contact) to max 1 in. (25 mm). Conduit or EMT to be secured to back surface of pull or junction box with steel connector and rigidly supported on both sides of wall assembly.
4. **Fill, Void or Cavity Material* - Sealant -** Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with surface of wall opposite the pull or junction box. A min 1/2 in. (13 mm) diam bead of fill material shall be applied at the point contact location between the conduit and wall. A min 1/2 in. (13 mm) diam bead of fill material shall be applied around the entire perimeter of the pull or junction box at its interface with the wall surface. The fill material shall lap min 1/2 in. (13 mm) onto both the wall and the sides of the pull or junction box.
   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant, SpecSeal LC150 Sealant, or SpecSeal LE600 Sealant

   +Bearing the UL Listing Mark

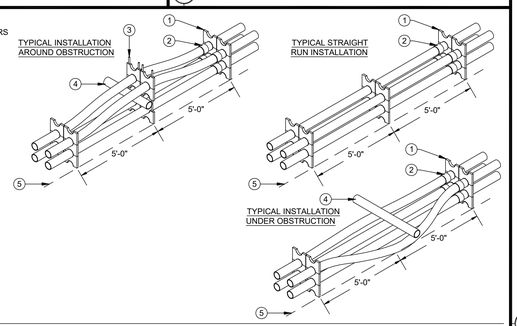
   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

2 FIRE RATED WALL PENETRATION
SCALE: NONE

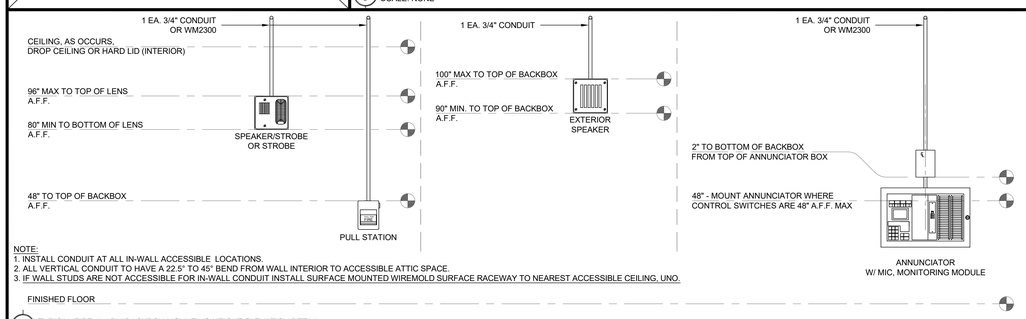
NOT USED

1. BOTTOM & MIDDLE PLASTIC SPACERS EVERY 5' SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
2. COUPLING
3. REINFORCING STEEL RODS
4. OBSTRUCTION
5. TRENCH BOTTOM

NOTES:
1. USE THESE DETAILS TO AVOID CONFLICTS WITH EXISTING OR NEW OBSTRUCTIONS.
2. SPACE SIGNAL AND COMMUNICATION CONDUIT 6" FROM POWER CONDUIT (ABOVE 120V) AND 3" FROM ALL OTHER CONDUIT.



9 CONDUIT TRANSITION DETAIL
SCALE: NONE



NOTE:
1. INSTALL CONDUIT AT ALL IN-WALL ACCESSIBLE LOCATIONS.
2. ALL VERTICAL CONDUIT TO HAVE A 22.5° TO 45° BEND FROM WALL INTERIOR TO ACCESSIBLE ATTIC SPACE.
3. IF WALL STUDS ARE NOT ACCESSIBLE FOR IN-WALL CONDUIT INSTALL SURFACE MOUNTED WIREMOLD SURFACE RACEWAY TO NEAREST ACCESSIBLE CEILING, UNO.

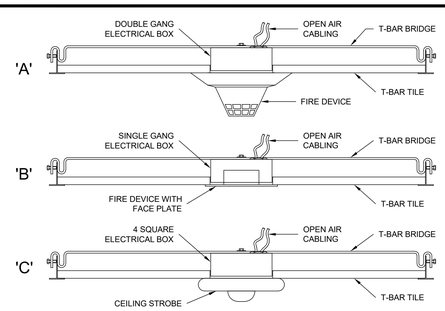
8 TYPICAL FIRE ALARM BACKBOX MOUNTING HEIGHT ELEVATION DETAIL
SCALE: NONE

NOT USED

NOT USED

NOT USED

NOT USED



7 FIRE DEVICE T-BAR BRIDGE SUPPORT DETAIL
SCALE: NONE

NOT USED

NOT USED

NOT USED

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

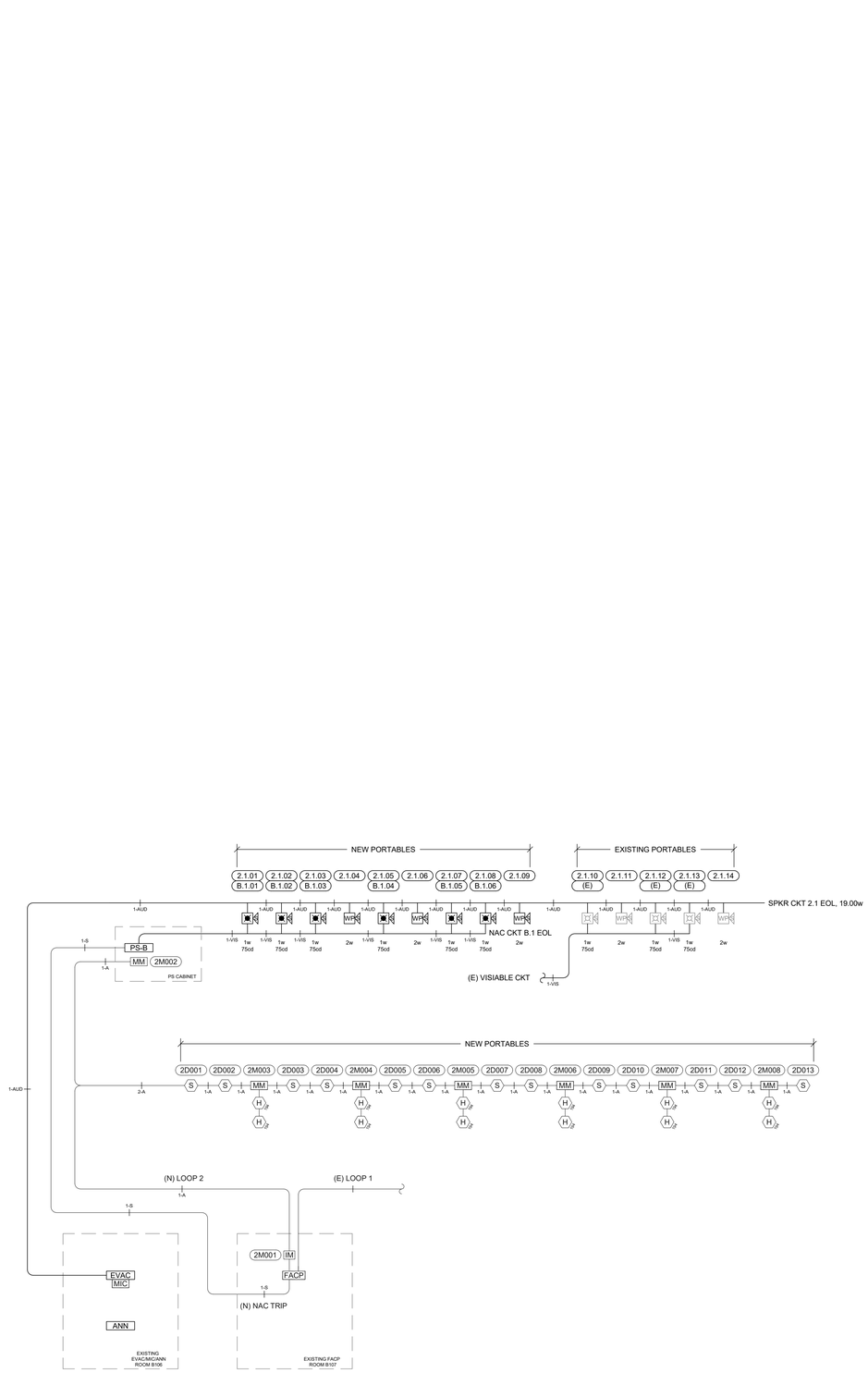
NO.	DESCRIPTION	DATE

DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

FIRE ALARM DETAILS

SHEET NO.

FA501



BATTERY CALCULATIONS PS6 "B"

EQUIPMENT CIRCUITS	TYPE	NOTE	STANDBY CURRENT	ALARM CURRENT
CIRCUIT 1	NAC		0.0000	0.6660
CIRCUIT 2		SPARE	0.0000	0.0000
CIRCUIT 3		SPARE	0.0000	0.0000
CIRCUIT 4			0.0000	0.0000
UNIT CURRENT			0.1540	0.1920
		TOTALS =	0.1540	0.8580

	HOURS	CURRENT	AMP HOURS
STAND BY:	24	0.1540	3.6960
ALARM (15 MIN.):	0.25	0.8580	0.2145
AMP HOURS:			3.9105
SAFETY FACTOR 25%:			0.9776
MIN. AMP HOURS:			4.9

CIRCUIT 1 VOLTAGE DROP

GUAGE OF WIRE:	12 AWG	AT	1.8	OHMS/KFT=	0.0018
WIRE DISTANCE:	425	X2 =	1.53	Ω (TOTAL RESISTANCE)	
DEVICE		QTY.	EACH	TOTAL	
SYS SEN CEILING S/S 75 cd		6	0.1110	0.6660	
				0.0000	
				0.0000	
				0.0000	
		TOTAL ALARM CURRENT =		0.6660	AMPS
		TOTAL VOLTAGE DROP =		1.0190	VOLTS
% VOLTAGE DROP:	1.0190	/ 24 VOLTS =		4.2458	PERCENT

CIRCUIT 2 VOLTAGE DROP

GUAGE OF WIRE:	12 AWG	AT	1.8	OHMS/KFT=	0.0018
WIRE DISTANCE:	0	X2 =	0	Ω (TOTAL RESISTANCE)	
DEVICE		QTY.	EACH	TOTAL	
SPARE		0	0.0000	0.0000	
				0.0000	
				0.0000	
				0.0000	
		TOTAL ALARM CURRENT =		0.0000	AMPS
		TOTAL VOLTAGE DROP =		0.0000	VOLTS
% VOLTAGE DROP:	0.0000	/ 24 VOLTS =		0.0000	PERCENT

CIRCUIT 3 VOLTAGE DROP

GUAGE OF WIRE:	12 AWG	AT	1.8	OHMS/KFT=	0.0018
WIRE DISTANCE:	0	X2 =	0	Ω (TOTAL RESISTANCE)	
DEVICE		QTY.	EACH	TOTAL	
SPARE		0	0.0000	0.0000	
				0.0000	
				0.0000	
				0.0000	
		TOTAL ALARM CURRENT =		0.0000	AMPS
		TOTAL VOLTAGE DROP =		0.0000	VOLTS
% VOLTAGE DROP:	0.0000	/ 24 VOLTS =		0.0000	PERCENT

CIRCUIT 4 VOLTAGE DROP

GUAGE OF WIRE:	12 AWG	AT	1.8	OHMS/KFT=	0.0018
WIRE DISTANCE:	0	X2 =	0	Ω (TOTAL RESISTANCE)	
DEVICE		QTY.	EACH	TOTAL	
SPARE		0	0.0000	0.0000	
				0.0000	
				0.0000	
				0.0000	
		TOTAL ALARM CURRENT =		0.0000	AMPS
		TOTAL VOLTAGE DROP =		0.0000	VOLTS
% VOLTAGE DROP:	0.0000	/ 24 VOLTS =		0.0000	PERCENT

NOTE: INSTALL 2 EA. 8 AH BATTERIES (MINIMUM)

FACP- BATTERY CALCULATIONS MS-9600UDLS

DEVICE	QTY.	STANDBY CURRENT	TOTAL STANDBY CURRENT	ALARM CURRENT	TOTAL ALARM CURRENT
MAIN BOARD	1	0.10300	0.10300	0.25300	0.25300
SLC-2LS	1	0.01900	0.01900	0.02600	0.02600
IPDACT-2	1	0.09300	0.09300	0.13600	0.13600
LCD80	1	0.02500	0.02500	0.06400	0.06400
SMOKE DET SD365	64	0.000300	0.019200	0.000300	0.019200
HEAT DET H365	40	0.000300	0.012000	0.000300	0.012000
MM MMF-300	11	0.000400	0.004400	0.000400	0.004400
PULL BG-12LX	6	0.000300	0.001800	0.000300	0.001800
CR CRF-300	1	0.000270	0.000270	0.000270	0.000270
(N) SMOKE DETECTROS	12	0.000300	0.003600	0.000300	0.003600
(N) MM	6	0.000400	0.002400	0.000400	0.002400
SPARE	0	0.000000	0.000000	0.000000	0.000000
TOTALS =			0.2837		0.5227
STANDBY AND ALARM FACTORS =			X24 HOURS:		X.25 HOURS
TOTAL CURRENT =			6.8081	*	0.1307
25% SAFETY MARGIN:				25%X	6.9387
MINIMUM ACCEPTABLE BATTERY AMP SIZE SHALL BE:					8.7
NOTE: INSTALL 2 EA. 18 AH BATTERIES					

INCREMENT NO. 1

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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

FIRE ALARM
SINGLE LINE DIAGRAM
AND BATTERY CALCS.

SHEET NO.

FA601

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ABBREVIATIONS:

REVISED: 09/20/2023

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
AP	ACCESS POINT
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATIONAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	CABLE TELEVISION
CD	CANDELA
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CL	CENTER LINE
CO	CARBON MONOXIDE
DN	DOWN
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FTC	FIRE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT
G OR GB	GROUND BOX
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
J OR JB	JUNCTION BOX
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MDF	MAIN DISTRIBUTION FRAME
MPOE	MINIMUM PONT OF ENTRY
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCDD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRIGHTERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATT
WP	WEATHERPROOF

ANCHORAGE AND BRACING NOTES:

APPLICABLE CODE: 2022 CBC REVISED: 01/11/2024

MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒
OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐
OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM #) # AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

TECHNOLOGY SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	NOTES / DETAIL REFERENCES
G	GROUND BOX	JENSEN		N/A
J	JUNCTION BOX	COMMERCIAL GRADE		GREY = EXISTING
E	CONDUIT STUB	COMMERCIAL GRADE		N/A
	UNDERGROUND CONDUIT	COMMERCIAL GRADE		N/A
	CONDUIT (EMT, GRC & ALL THREAD)	COMMERCIAL GRADE		N/A
	J-HOOK (SINGLE/STACKED)	NVENT/CADDY		N/A
R	TELECOMMUNICATIONS RACK			N/A
TGB	TELECOM GROUND BUS BAR, WALL MOUNT	CHATSWORTH PRODUCTS	10622-010	N/A
#	DATA PERMANENT LINK, CAT6A JACK/CABLE # = QTY., NO # = 1	ORTRONICS / SUPERIOR ESSEX	SEE 27 10 00	WHITE JACK / WHITE CABLE
W	WALL PHONE / DATA LOCATION, CAT6A JACK / CABLE	ORTRONICS / SUPERIOR ESSEX	SEE 27 10 00	WHITE JACK / WHITE CABLE
	CLOCK/DATA LOCATION, CAT6A JACK/CABLE	ORTRONICS / SUPERIOR ESSEX	SEE 27 10 00	YELLOW JACK / WHITE CABLE
SPK	CLOCK/SMALL MESSAGE BOARD, SPEAKER COMBO	RAULAND TELECENTER U	SEE 27 51 23.50	N/A
	CAT6A DATA DROP LOCATION - WALL MOUNTED SPEAKER/IP MODULE	RAULAND	SEE 27 51 23.50	N/A
VIP	CAT6A DATA DROP LOCATION - EXTERIOR INTERCOM SPEAKER/IP MODULE	LOWELL AND RAULAND	SEE 27 51 23.50	MOUNT IP MODULE INSIDE BUILDING
MSG	CAT6A DATA DROP LOCATION - LARGE MESSAGE BOARD	RAULAND	TCC-3012L	MOUNT ON 4-SQ. AS PER MFR. SPECIFICATIONS.
MPOE	MINIMAL POINT OF ENTRY	AT&T AND COMCAST		N/A

ELECTRONIC ACCESS CONTROL SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	NOTES / DETAIL REFERENCES
CON	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-LP1501	INSTALL AT MDF LOCATION
PSU	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	AVIGILON	AC-LSP-2DR-MER-LCK	INSTALL AT MDF LOCATION
CRA	CARD READER	AVIGILON	AC-ING-READ-APTIQ-SNG-MT15	N/A
LRM	LATCH RETRACT MOTOR RETROFIT	VON DUPRIN	QEL	N/A
VIC	VIDEO INTERCOM W/ SURFACE MOUNTED BACKBOX	AVIGILON	H4VI-RO1-IR, H4VI-MT-SURF1	N/A
TEL	ADMINISTRATIVE DESK PHONE SET	CISCO	CP-9841	PROGRAM KEY AT PHONE SET FOR DOOR UNLOCK
	RFID CARDS	SCHLAGE	8520	QUANTITY 200. SERIALIZED PER DIST. REQUIREMENTS.

INTRUSION ALARM SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES/DETAIL REFERENCES
IACP	CENTRAL PROCESSING UNIT	ADEMCO	EXISTING	
KP	ALPHANUMERIC KEYPAD	EXISTING	EXISTING	N/A
	MOTION DETECTOR, WALL MOUNT WITH GIMBLE	RESIDEO	IS3050A-SN	N/A
	FLUSH MOTION DETECTOR BACK BOX	FLUSH 4 SQ. BACKBOX W/ 1-GANG MUD RING		
	WALL MOUNT GIMBLE	DSC	DM-W	
DC	DOOR CONTACT AND POPIT MODULE	RESIDEO	195-12WG, 4193SNP	N/A

TECHNOLOGY SCOPE OF WORK:

1. THE CONTRACTOR SHALL PROVIDE ALL CLOCK, BELL AND INTERCOM EQUIPMENT, LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.

2. THE CONTRACTOR SHALL PROVIDE ALL DATA NETWORK EQUIPMENT, LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL DATA NETWORK SYSTEM.

3. THE CONTRACTOR SHALL PROVIDE ALL VIDEO INTERCOM AND ELECTRONIC ACCESS CONTROL EQUIPMENT, LICENSES, SOFTWARE, AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.

4. THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED CLOCK, BELL AND INTERCOM COMPONENTS (INCLUDING WIRE AND PATHWAY) AND PLATE OVER ANY OPENINGS.

5. THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED TELEPHONE AND DATA NETWORK COMPONENTS (INCLUDING WIRE AND PATHWAY) AND PLATE OVER ANY OPENINGS.

6. THE CONTRACTOR SHALL COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEM WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.

INTRUSION SCOPE OF WORK:

1. BUILDING "A", "B", "C", AND "D": PROTECT EXISTING INTRUSION DEVICES AND WIRING IN PLACE AND/OR REMOVE AND REINSTALL AS REQUIRED.

2. BUILDING "I", "H", "J": PROTECT EXISTING INTRUSION DEVICES IN PLACE. EXISTING CABLING TIEING THESE BUILDINGS TO THE MAIN CAMPUS WILL BE DEMOLISHED. PROVIDE (N) CABLING VIA (N) SHARED PATHWAY INSTALLED AS PART OF PROJECT.

3. "BUILDING "E", "F": PROVIDE ALL (N) DEVICES, CABLING, AND PATHWAY PER PLANS AND SPECIFICATIONS.

4. DURING CONSTRUCTION, DE-PROGRAM ANY REMOVED DEVICES FROM THE IACP AND RESOLVE ANY FAULTS SO THAT THE CAMPUS CAN BE ARMED THROUGHOUT THE CONSTRUCTION PERIOD.

5. FULLY RE-PROGRAM THE IACP TO INCORPORATE ALL NEW DEVICES AND REFLECT ALL CURRENT/NEW ROOM NUMBERS.

PRE-CON MEETING REQUIREMENTS:

1. PRIOR TO BEGINNING ANY SITE WORK, INCLUDING DEMO, AN ON-SITE PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE LOW VOLTAGE DESIGNER. ANY SITE WORK COMMENCED PRIOR TO THIS MEETING SHALL BE AT THE CONTRACTOR'S SOLE RISK.

JOB SPECIFIC STANDARDS FOR LOW VOLTAGE:

SEE SPECIFICATIONS DIVISION 27 AND 28 FOR COMPLETE REQUIREMENTS.

1. CONDUIT BODIES, CONDULETS, PULLING ELBOWS, AND/OR "LB" FITTINGS ARE PROHIBITED IN ANY PATHWAY CONTAINING DATA CABLING (COPPER OR FIBER).

2. SINGLE HOLE CONDUIT STRAPS ARE PROHIBITED.

3. ALL WIRE AND CABLE PASSING THROUGH METALWORK SHALL BE SLEEVED WITH AN APPROPRIATE GROMMET OR BUSHING.

PROJECT CODES AND STANDARDS

REVISED: 01/11/2024

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE JANUARY 1, 2022:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2021 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2020 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2021 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24, PART 5 (2021 UNIFORM PLUMBING CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2021 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

PROJECT NOTES:

PRODUCT ORDERING
1. ANY PRODUCTS WITH LONG LEAD TIMES SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. PRODUCT ORDERING SHALL ONLY OCCUR AFTER APPROVED PRODUCT SUBMITTALS, APPROVED SUBSTITUTION REQUEST (IF ANY) AND APPROVED SHOP DRAWINGS.

INSTALLATION
1. ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND GOVERNING CODE / STANDARDS SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. A STAMPED SET OF APPROVED DESIGN DOCUMENTS AND SHOP DRAWINGS SHALL BE ONSITE AT ALL TIMES.
3. CONTRACTOR SHALL CONSTANTLY MAINAIN ONSITE REDLINE DRAWINGS AND BE AVAILABLE FOR INSPECTION BY THE INSPECTOR OF RECORD.
4. ANY PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRE MATERIALS / EQUIPMENT APPROVED TO MAINTAIN THE RATING OF THE ASSEMBLY.
5. ALL WIRING SHALL BE CONNECTED TO DEVICES, NO SPLICING IS ALLOWED.
6. ALL LOW-VOLTAGE CABLING SHALL BE IN CONDUIT, RACEWAY OR OPEN AIR ON J-HOOKS / CABLE TRAY FOR ABOVE CEILINGS.
7. ELECTRICAL POWER FOR LOW-VOLTAGE SYSTEMS TO BE DEDICATED TO EACH SYSTEM AND WORK TO BE PERFORMED BY A LICENSED ELECTRICIAN.
8. LOW VOLTAGE EQUIPMENT, CABINETS AND ACCESSORIES TO BE MOUNTED PER MANUFACTURER'S INSTRUCTIONS. NO SINGLE DEVICE SHALL EXCEED 20 POUNDS IN WEIGHT WITHOUT SPECIAL MOUNTING DETAILS.
9. CONTRACTOR SHALL REQUEST A PUNCH WALK INSPECTION 10 WORKING DAYS PRIOR TO FINAL INSPECTION.
10. PRIOR TO FINAL INSPECTION CONTRACTOR SHALL PROVIDE PRINTED REDLINES FOR USE BY THE INSPECTORS.
11. AT THE FINAL INSPECTION THE CONTRACTOR SHALL PROVIDE A SATISFACTORY TEST OF THE ENTIRE SYSTEM(S) IN PRESENCE OF THE DESIGNER/ENGINEER, INSPECTOR OF RECORD, THE OWNER OR THE OWNER'S REPRESENTATIVE.
12. THE CONTRACTOR SHALL PROVIDE OWNER WITH SYSTEM OPERATION TRAINING.
13. SECURITY SYSTEM SHALL NOT IN ANY WAY LIMIT OR COMPROMISE EXITING THROUGH ALL REQUIRED EXIT ACCESS AND EXIT DISCHARGE SYSTEMS.

CONTRACTOR FURNISHED DOCUMENTS:

SEE SECTION 27 00 00 FOR MORE INFORMATION / REQUIREMENTS

PRODUCT SUBMITTALS
1. SUBMIT PRODUCT MATERIALS SUBMITTALS PER 27 00 00 REQUIREMENTS
2. ANY PROPOSED ALTERNATIVE PRODUCTS REQUIRE A WRITTEN PRODUCT SUBSTITUTION REQUEST.

SHOP DRAWINGS
1. SUBMIT SHOP DRAWINGS PER 27 00 00 REQUIREMENTS
2. SHOP DRAWINGS ARE REQUIRED FOR MDF/IDF DATA RACK LAYOUTS, MDF/IDF WALL ELEVATIONS, AUDIO-VISUAL SYSTEMS AND INTERCOM SYSTEMS.
3. DESIGN DOCUMENTS ARE AS ACCURATE AS POSSIBLE, BUT SHALL BE CONSIDERED AS DIAGRAMMATIC.
4. SHOP DRAWINGS SHALL PRESENT A LEVEL OF DETAIL FOR A COMPLETE, BUILDABLE AND OPERABLE SYSTEM.
5. SHOP DRAWINGS ALLOW THE CONTRACTOR TO MAKE CORRECTIONS FOR ERRORS/OMISSIONS IN DESIGN DOCUMENTS.
6. IN CASE OF DOUBT OF WORK INTENDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INSTRUCTIONS FROM THE PROJECT MANAGER.
7. APPROVED SHOP DRAWINGS ARE REQUIRED PRIOR TO START OF WORK. ANY WORK STARTED PRIOR TO SHOP DRAWING APPROVAL SHALL BE AT CONTRACTOR'S OWN RISK.
8. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND OPERABLE SYSTEM AND ANY COMPONENT(S) NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AFTER SHOP DRAWING APPROVAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

CONTRACTOR CERTIFICATION
1. STRUCTURED DATA CABLING AND INTERCOM SYSTEMS REQUIRE CERTIFIED INSTALLERS. CONTRACTOR TO PROVIDE CERTIFICATIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL ONLY PROVIDE WORK FOR SYSTEMS THAT THEY POSSESS CURRENT AND VALID CERTIFICATIONS.

CLOSEOUT DOCUMENTS
1. DOCUMENTS PER 27 00 00 REQUIREMENTS
2. UPDATED PRINTED AS-BUILT DRAWINGS
3. TYPED RECORD OF COMPLETION

TECHNOLOGY SHEET INDEX:

SHEET	DESCRIPTION
T001	TECHNOLOGY COVER SHEET
T050	TECHNOLOGY DEMO SITE PLAN
T100	TECHNOLOGY NEW SITE PLAN
T200	TECHNOLOGY FLOOR PLAN - BUILDINGS "A" AND "B"
T201	TECHNOLOGY FLOOR PLAN - BUILDINGS "C" AND "D"
T202	TECHNOLOGY FLOOR PLAN - EXISTING PORTABLES
T203	TECHNOLOGY FLOOR PLAN - NEW PORTABLES
T501	TECHNOLOGY DETAILS
T502	TECHNOLOGY DETAILS
T503	TECHNOLOGY DETAILS
T601	TECHNOLOGY RACK ELEVATIONS
T602	TECHNOLOGY SINGLE LINE DIAGRAMS

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
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JOHNNY KADSTROM
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Expires 12/31/2027
Regis. No.163629
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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

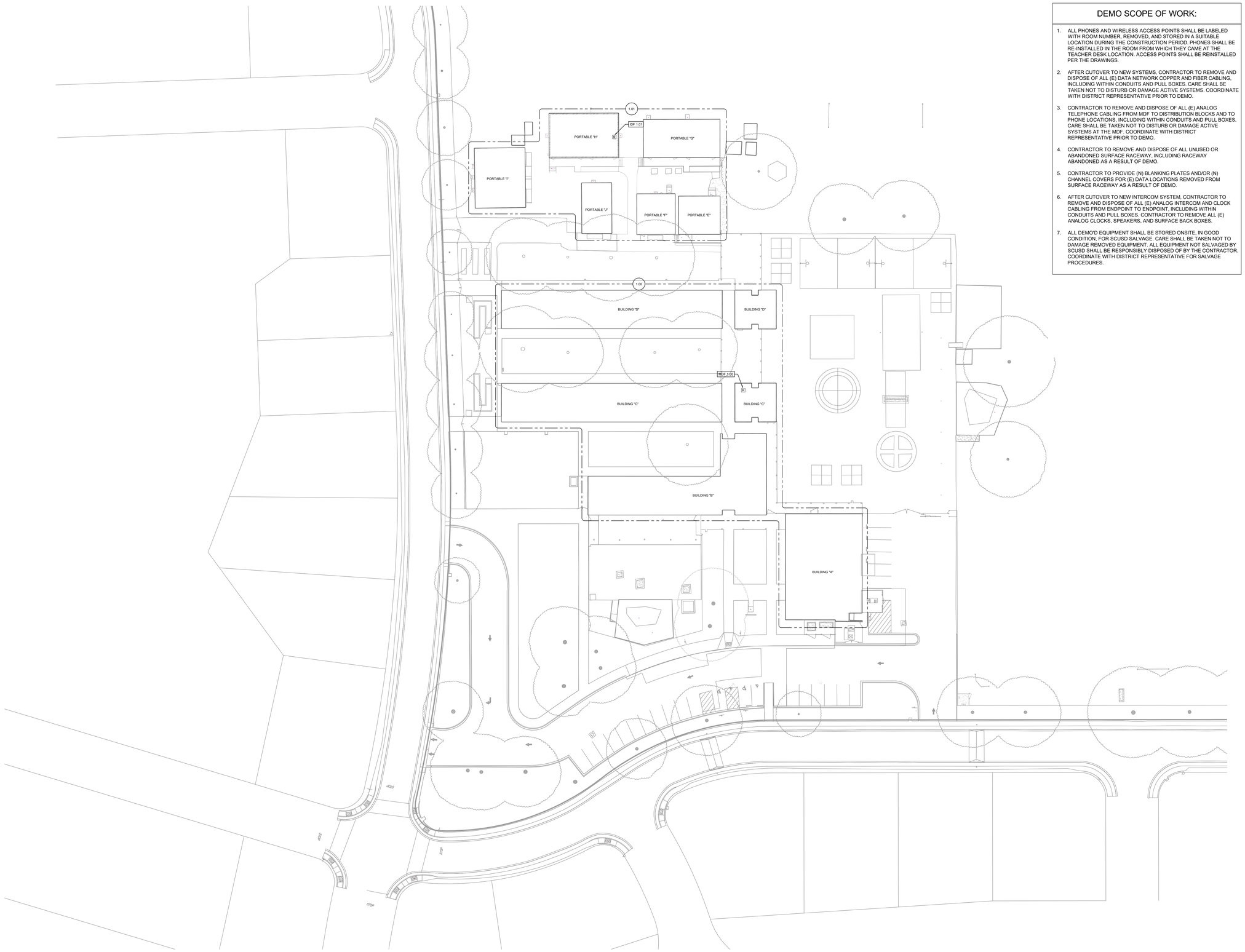
DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

TECHNOLOGY COVER SHEET

SHEET NO.

T001

INCREMENT NO. 1



DEMO SCOPE OF WORK:

1. ALL PHONES AND WIRELESS ACCESS POINTS SHALL BE LABELED WITH ROOM NUMBER, REMOVED, AND STORED IN A SUITABLE LOCATION DURING THE CONSTRUCTION PERIOD. PHONES SHALL BE RE-INSTALLED IN THE ROOM FROM WHICH THEY CAME AT THE TEACHER DESK LOCATION. ACCESS POINTS SHALL BE REINSTALLED PER THE DRAWINGS.
2. AFTER CUTOVER TO NEW SYSTEMS, CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) DATA NETWORK COPPER AND FIBER CABLING, INCLUDING WITHIN CONDUITS AND PULL BOXES. CARE SHALL BE TAKEN NOT TO DISTURB OR DAMAGE ACTIVE SYSTEMS. COORDINATE WITH DISTRICT REPRESENTATIVE PRIOR TO DEMO.
3. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) ANALOG TELEPHONE CABLING FROM MDF TO DISTRIBUTION BLOCKS AND TO PHONE LOCATIONS, INCLUDING WITHIN CONDUITS AND PULL BOXES. CARE SHALL BE TAKEN NOT TO DISTURB OR DAMAGE ACTIVE SYSTEMS AT THE MDF. COORDINATE WITH DISTRICT REPRESENTATIVE PRIOR TO DEMO.
4. CONTRACTOR TO REMOVE AND DISPOSE OF ALL UNUSED OR ABANDONED SURFACE RACEWAY, INCLUDING RACEWAY ABANDONED AS A RESULT OF DEMO.
5. CONTRACTOR TO PROVIDE (N) BLANKING PLATES AND/OR (N) CHANNEL COVERS FOR (E) DATA LOCATIONS REMOVED FROM SURFACE RACEWAY AS A RESULT OF DEMO.
6. AFTER CUTOVER TO NEW INTERCOM SYSTEM, CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) ANALOG INTERCOM AND CLOCK CABLING FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULL BOXES. CONTRACTOR TO REMOVE ALL (E) ANALOG CLOCKS, SPEAKERS, AND SURFACE BACK BOXES.
7. ALL DEMO'D EQUIPMENT SHALL BE STORED ONSITE, IN GOOD CONDITION, FOR SCUSD SALVAGE. CARE SHALL BE TAKEN NOT TO DAMAGE REMOVED EQUIPMENT. ALL EQUIPMENT NOT SALVAGED BY SCUSD SHALL BE RESPONSIBLY DISPOSED OF BY THE CONTRACTOR. COORDINATE WITH DISTRICT REPRESENTATIVE FOR SALVAGE PROCEDURES.

TECHNOLOGY DEMO SITE PLAN

SCALE: 1"=30'-0"

0 30 60

AGENCY APPROVAL DSA APP NO. 02-123812

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NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

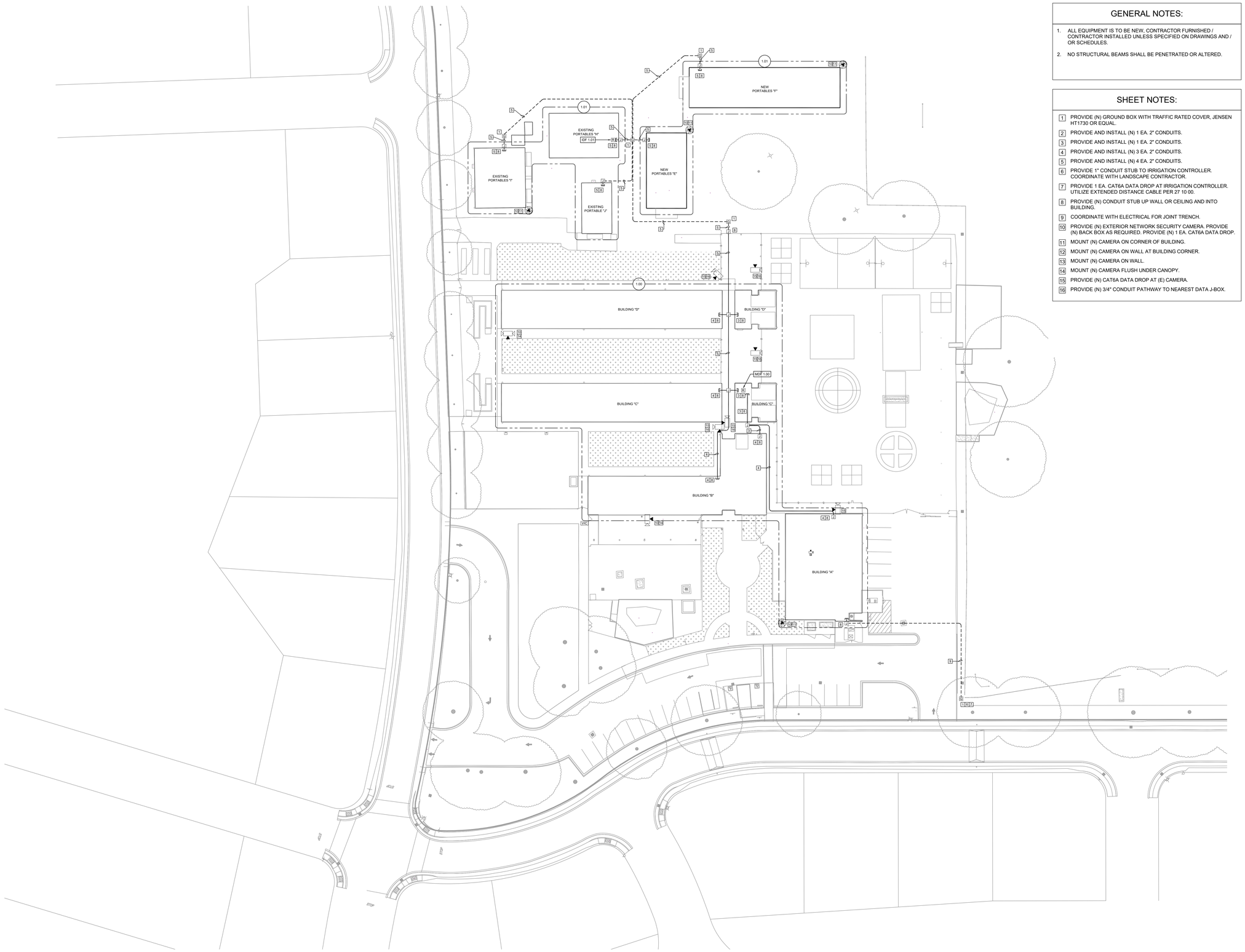
SHEET TITLE

TECHNOLOGY
DEMO SITE PLAN

SHEET NO.

T050

INCREMENT NO. 1



GENERAL NOTES:

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

SHEET NOTES:

1. PROVIDE (N) GROUND BOX WITH TRAFFIC RATED COVER, JENSEN HT1730 OR EQUAL.
2. PROVIDE AND INSTALL (N) 1 EA. 2" CONDUITS.
3. PROVIDE AND INSTALL (N) 1 EA. 2" CONDUITS.
4. PROVIDE AND INSTALL (N) 3 EA. 2" CONDUITS.
5. PROVIDE AND INSTALL (N) 4 EA. 2" CONDUITS.
6. PROVIDE 1" CONDUIT STUB TO IRRIGATION CONTROLLER. COORDINATE WITH LANDSCAPE CONTRACTOR.
7. PROVIDE 1 EA. CAT6A DATA DROP AT IRRIGATION CONTROLLER. UTILIZE EXTENDED DISTANCE CABLE PER 27 10 00.
8. PROVIDE (N) CONDUIT STUB UP WALL OR CEILING AND INTO BUILDING.
9. COORDINATE WITH ELECTRICAL FOR JOINT TRENCH.
10. PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. PROVIDE (N) 1 EA. CAT6A DATA DROP.
11. MOUNT (N) CAMERA ON CORNER OF BUILDING.
12. MOUNT (N) CAMERA ON WALL AT BUILDING CORNER.
13. MOUNT (N) CAMERA ON WALL.
14. MOUNT (N) CAMERA FLUSH UNDER CANOPY.
15. PROVIDE (N) CAT6A DATA DROP AT (E) CAMERA.
16. PROVIDE (N) 3/4" CONDUIT PATHWAY TO NEAREST DATA J-BOX.

TECHNOLOGY NEW SITE PLAN

SCALE: 1"=30'-0"

0 30 60

AGENCY APPROVAL DSA APP NO. 02-123812

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NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

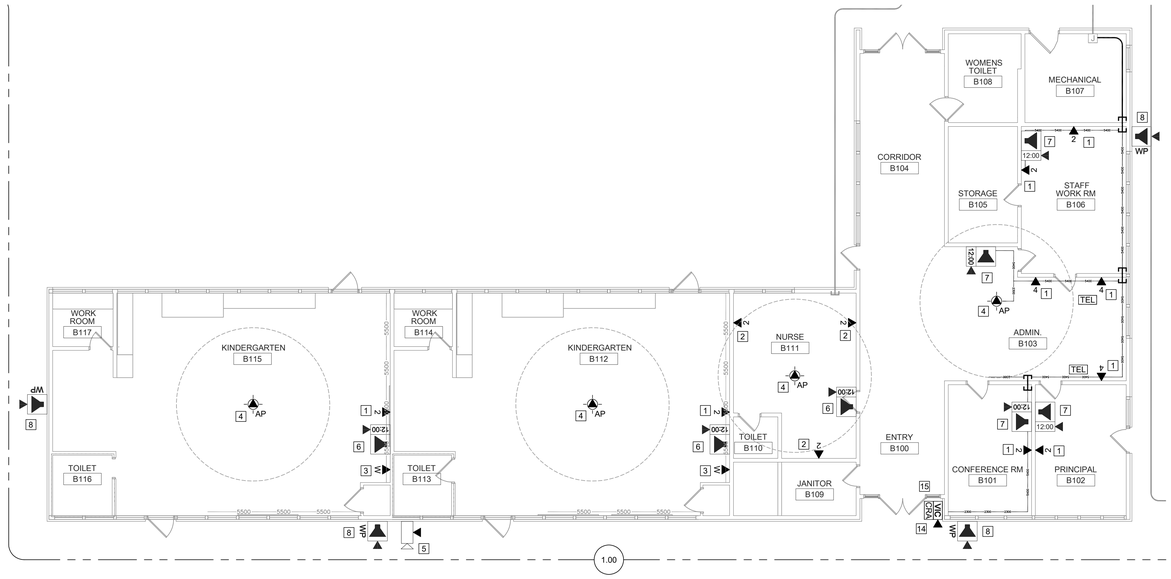
SHEET TITLE

TECHNOLOGY
NEW SITE PLAN

SHEET NO.

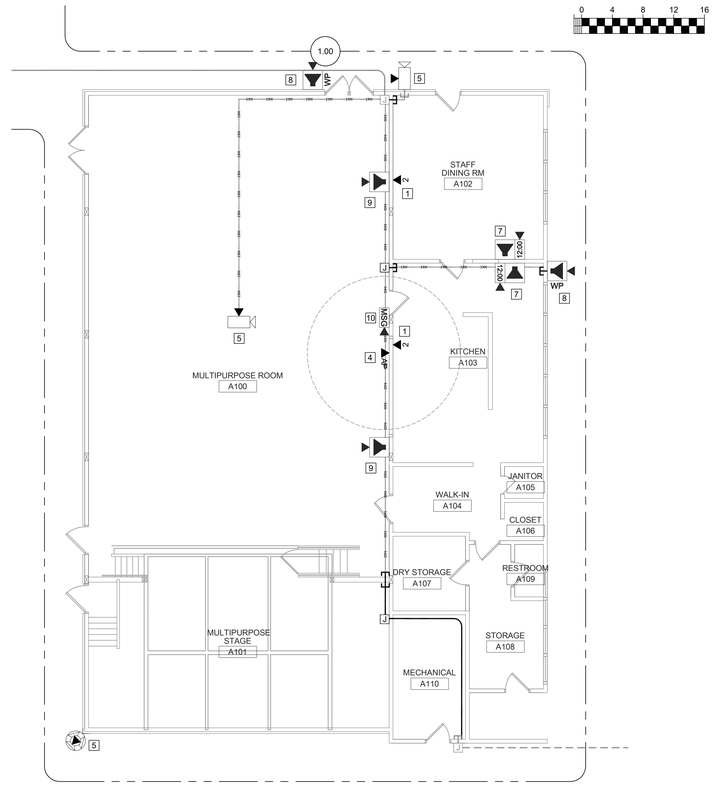
T100

INCREMENT NO. 1



TECHNOLOGY FLOOR PLAN - BUILDING "B"

SCALE: 1/8"=1–0"



TECHNOLOGY FLOOR PLAN - BUILDING "A"

SCALE: 1/8"=1–0"

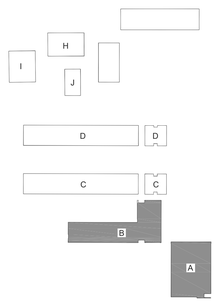
GENERAL NOTES:

1. ALL EQUIPMENT IS TO BE NEW. CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

SHEET NOTES:

1. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED, IN (N) OR (E) RACEWAY AS INDICATED.
2. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED. CUT IN AND FISH FROM ACCESSIBLE CEILING.
3. PROVIDE (N) CAT6A DATA DROP AT WALL PHONE LOCATION. PROVIDE PHONE HANGER WALL PLATE. CUT IN AND FISH FROM ACCESSIBLE CEILING.
4. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP. CONNECT TO (E) WIRELESS AP. RELOCATE (E) WIRELESS AP TO NEW LOCATION AS REQ'D.
5. REFER TO T100 FOR CAMERA REQUIREMENTS.
6. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. CUT IN AND FISH FROM ACCESSIBLE CEILING.
7. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA (N) SURFACE RACEWAY.
8. REMOVE (E) EXTERIOR SPEAKER, AS OCCURS. PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE.
9. PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
10. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
11. PROVIDE (N) IDF ENCLOSURE WITH (N) FIBER HOMERUN TO MDF. SEE T601 FOR BUILD OUT REQUIREMENTS.
12. INSTALL (N) MDF ENCLOSURE. SEE T601 FOR BUILD OUT REQUIREMENTS.
13. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D.
14. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING.
15. REWORK WIRING TO EXISTING LATCH RETRACT MOTOR IN DOOR.

KEYPLAN:



AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

TECHNOLOGY FLOOR PLAN BUILDINGS "A" AND "B"

SHEET NO.

T200

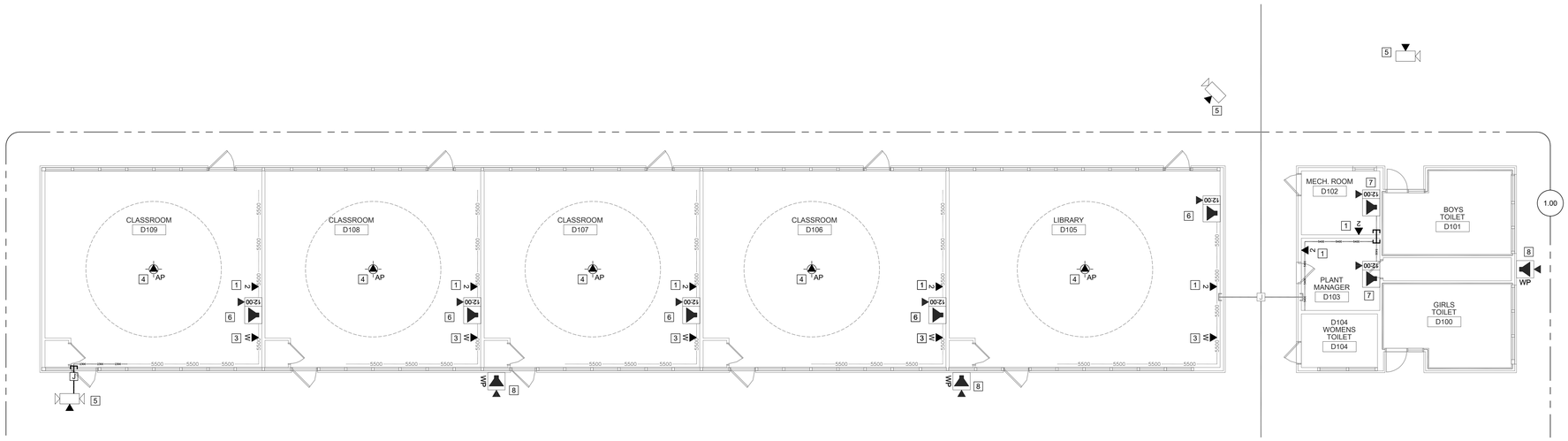
INCREMENT NO. 1

GENERAL NOTES:

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

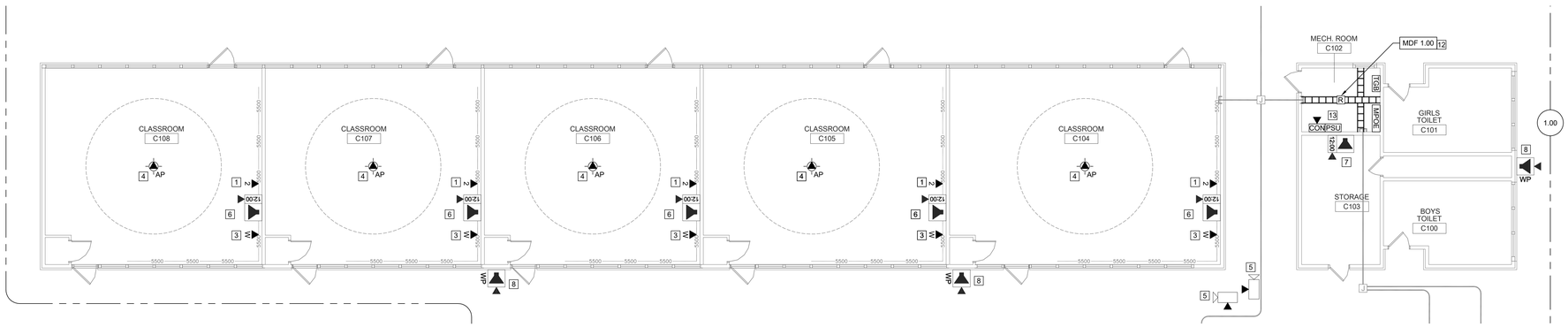
SHEET NOTES:

1. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED, IN (N) OR (E) RACEWAY AS INDICATED.
2. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED. CUT IN AND FISH FROM ACCESSIBLE CEILING.
3. PROVIDE (N) CAT6A DATA DROP AT WALL PHONE LOCATION. PROVIDE PHONE HANGER WALL PLATE. CUT IN AND FISH FROM ACCESSIBLE CEILING.
4. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP. CONNECT TO (E) WIRELESS AP. RELOCATE (E) WIRELESS AP TO NEW LOCATION AS REQ'D.
5. REFER TO T100 FOR CAMERA REQUIREMENTS.
6. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. CUT IN AND FISH FROM ACCESSIBLE CEILING.
7. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA (N) SURFACE RACEWAY.
8. REMOVE (E) EXTERIOR SPEAKER, AS OCCURS. PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE.
9. PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
10. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
11. PROVIDE (N) IDF ENCLOSURE WITH (N) FIBER HOMERUN TO MDF. SEE T601 FOR BUILD OUT REQUIREMENTS.
12. INSTALL (N) MDF ENCLOSURE. SEE T601 FOR BUILD OUT REQUIREMENTS.
13. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D.
14. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING.
15. REWORK WIRING TO EXISTING LATCH RETRACT MOTOR IN DOOR.



TECHNOLOGY FLOOR PLAN - BUILDING "D"

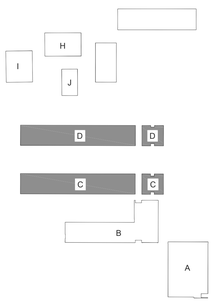
SCALE: 1/8"=1--0"



TECHNOLOGY FLOOR PLAN - BUILDING "C"

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

KEYPLAN:



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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

TECHNOLOGY FLOOR PLAN BUILDINGS "C" AND "D"

SHEET NO.

T201

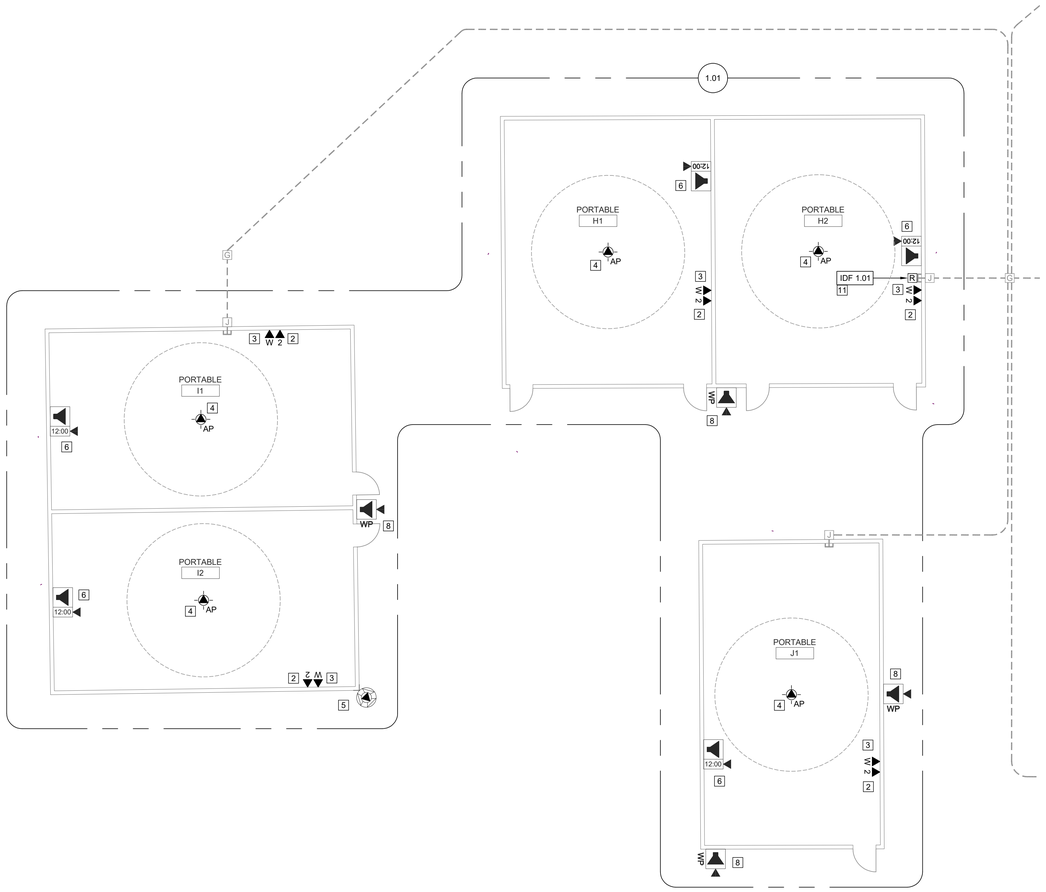
INCREMENT NO. 1

GENERAL NOTES:

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

SHEET NOTES:

1. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED, IN (N) OR (E) RACEWAY AS INDICATED.
2. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED. CUT IN AND FISH FROM ACCESSIBLE CEILING.
3. PROVIDE (N) CAT6A DATA DROP AT WALL PHONE LOCATION. PROVIDE PHONE HANGER WALL PLATE. CUT IN AND FISH FROM ACCESSIBLE CEILING.
4. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP. CONNECT TO (E) WIRELESS AP. RELOCATE (E) WIRELESS AP TO NEW LOCATION AS REQ'D.
5. REFER TO T100 FOR CAMERA REQUIREMENTS.
6. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. CUT IN AND FISH FROM ACCESSIBLE CEILING.
7. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA (N) SURFACE RACEWAY.
8. REMOVE (E) EXTERIOR SPEAKER, AS OCCURS. PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE.
9. PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
10. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
11. PROVIDE (N) IDF ENCLOSURE WITH (N) FIBER HOMERUN TO MDF. SEE T601 FOR BUILD OUT REQUIREMENTS.
12. INSTALL (N) MDF ENCLOSURE. SEE T601 FOR BUILD OUT REQUIREMENTS.
13. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D.
14. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING.
15. REWORK WIRING TO EXISTING LATCH RETRACT MOTOR IN DOOR.

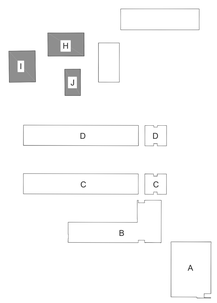


TECHNOLOGY FLOOR PLAN - EXISTING PORTABLES

SCALE: 1/8"=1–0"

0 4 8 12 16

KEYPLAN:



AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL

2635 Chestnut Hill Drive
Sacramento, CA 95826

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JOHNNY KAGEYAMA
Signature
EXPIRES 12/31/2027
Regis. No.163629
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nacht&lewis
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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

TECHNOLOGY FLOOR PLAN EXISTING PORTABLES

SHEET NO.

T202

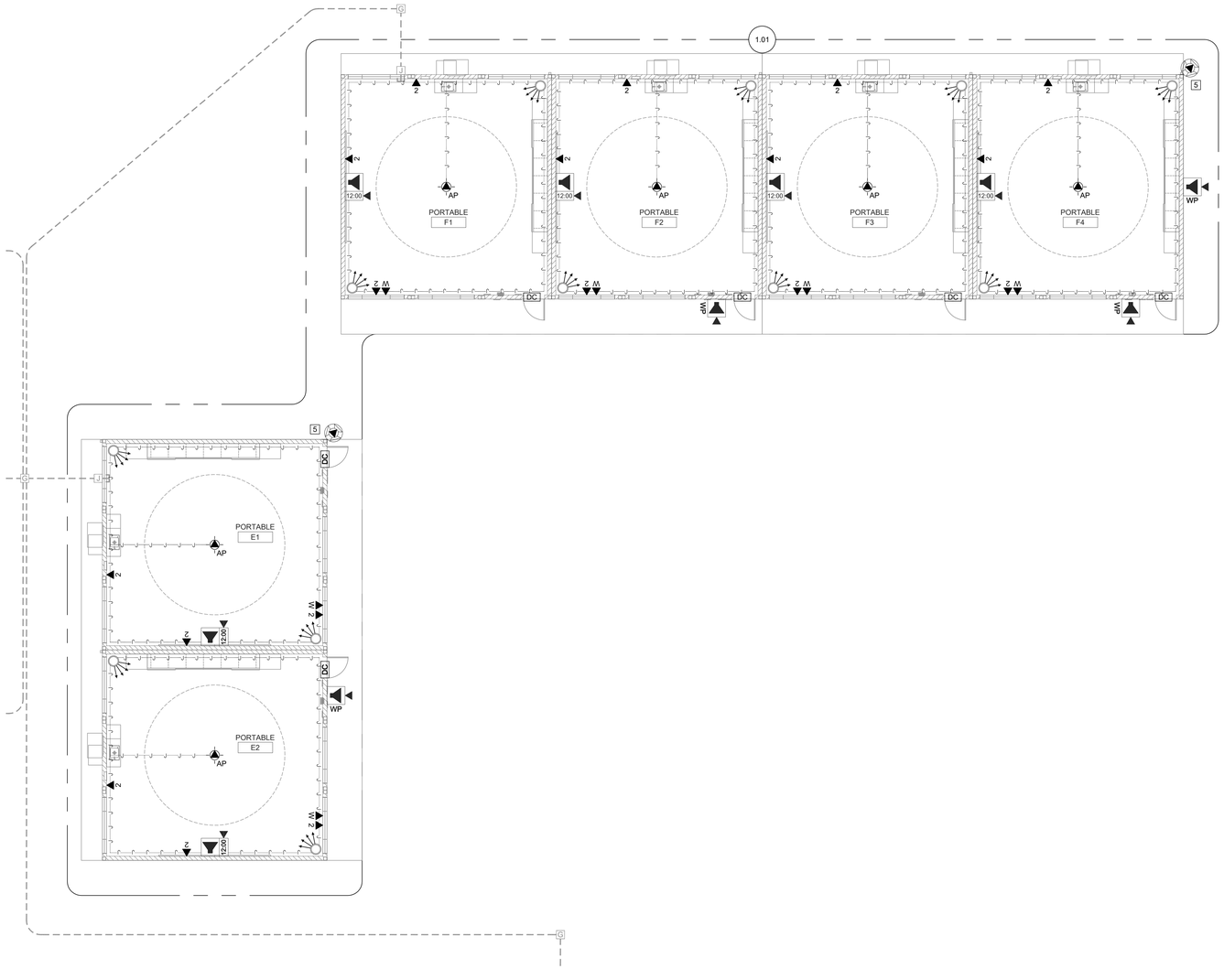
INCREMENT NO. 1

GENERAL NOTES:

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

SHEET NOTES:

1. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED, IN (N) OR (E) RACEWAY AS INDICATED.
2. PROVIDE (N) CAT6A DATA DROP, QTY INDICATED. CUT IN AND FISH FROM ACCESSIBLE CEILING.
3. PROVIDE (N) CAT6A DATA DROP AT WALL PHONE LOCATION. PROVIDE PHONE HANGER WALL PLATE. CUT IN AND FISH FROM ACCESSIBLE CEILING.
4. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP. CONNECT TO (E) WIRELESS AP. RELOCATE (E) WIRELESS AP TO NEW LOCATION AS REQ'D.
5. REFER TO T100 FOR CAMERA REQUIREMENTS.
6. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. CUT IN AND FISH FROM ACCESSIBLE CEILING.
7. REMOVE (E) CLOCK/SPEAKER COMBO BOX, AS OCCURS. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA (N) SURFACE RACEWAY.
8. REMOVE (E) EXTERIOR SPEAKER, AS OCCURS. PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE.
9. PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
10. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
11. PROVIDE (N) IDF ENCLOSURE WITH (N) FIBER HOMERUN TO MDF. SEE T601 FOR BUILD OUT REQUIREMENTS.
12. INSTALL (N) MDF ENCLOSURE. SEE T601 FOR BUILD OUT REQUIREMENTS.
13. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D.
14. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING.
15. REWORK WIRING TO EXISTING LATCH RETRACT MOTOR IN DOOR.

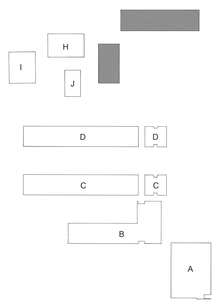


TECHNOLOGY FLOOR PLAN - NEW PORTABLES

SCALE: 1/8"=1–0"

0 4 8 12 16

KEYPLAN:



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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

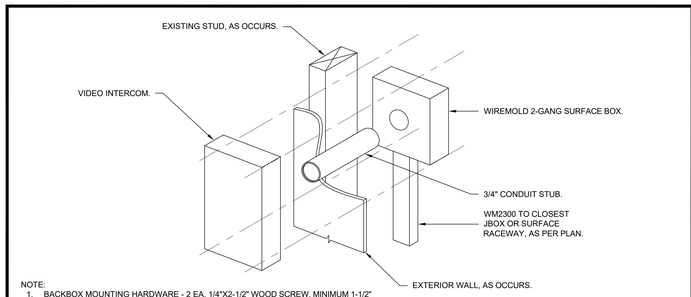
SHEET TITLE

TECHNOLOGY FLOOR PLAN NEW PORTABLES

SHEET NO.

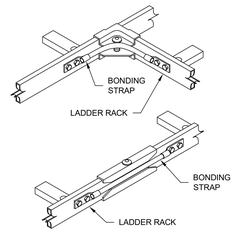
T203

INCREMENT NO. 1

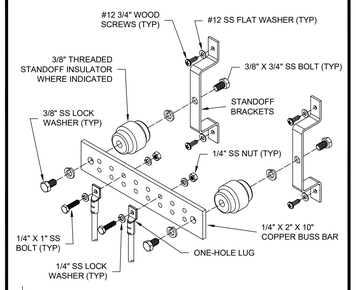


NOTE:
1. BACKBOX MOUNTING HARDWARE - 2 EA. 1/4"X2-1/2" WOOD SCREW. MINIMUM 1-1/2" EMBEDMENT INTO JOIST/BEAM.

15 EXTERIOR VIDEO INTERCOM MOUNTING DETAIL
SCALE: NONE



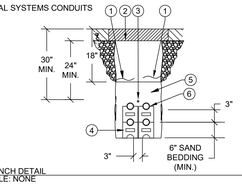
9 LADDER RACK BONDING DETAIL
SCALE: NONE



8 MAIN GROUND BAR DETAIL
SCALE: NONE

NOT USED

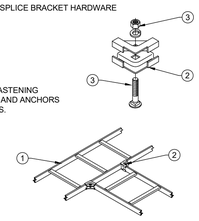
1. PLASTIC WARNING TAPE
2. LAST 12" AB MATERIAL AT 95% COMPACTION FOR ASPHALT AND CONCRETE, 90% FOR PLANTED AREAS
3. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
4. BOTTOM AND MIDDLE PLASTIC SPACERS EVERY 5'-0" SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
5. SAND AT 90% COMPACTION
6. SIGNAL SYSTEMS CONDUITS



4 TRENCH DETAIL
SCALE: NONE

NOT USED

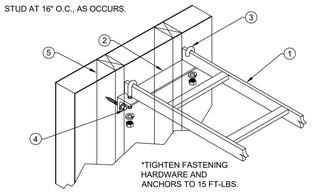
1. (N) 18" LADDER RACK ASSEMBLY
2. MOUNTING BRACKET FOR 90 DEGREE ATTACHMENT
3. MFR. INCLUDED TEE SPLICE BRACKET HARDWARE



11 HORIZONTAL TEE SPLICE KIT DETAIL
SCALE: NONE

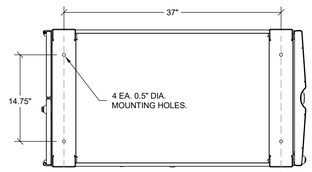
NOT USED

1. LADDER RACK ASSEMBLY PER DRAWINGS.
2. MOUNTING BRACKET FOR WALL
3. MFR. INCLUDED MOUNTING BRACKET J-HOOK HARDWARE
4. 3/16" DIA. WOOD LAG SCREW W/ WASHER, 1.5" MIN. EMBEDMENT INTO CENTER OF STUD, SPAN 2-BAYS.
5. STUD AT 16" O.C., AS OCCURS.

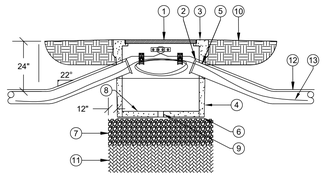


13 RUNWAY END WALL SUPPORT DETAIL
SCALE: NONE

NOT USED



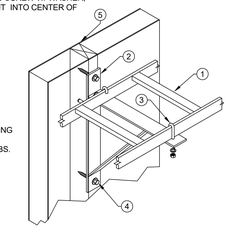
1. LID PER, TYPE PER GROUND BOX DETAIL
2. BELL ENDS TYP.
3. PRE CAST REINFORCED CONCRETE BOX, SIZE PER PLANS
4. PRE CAST REINFORCED CONCRETE EXTENSIONS AS REQUIRED
5. SEAL AROUND CONDUIT, BOX & JUNCTION OF EXTENSION(S) WITH MORTAR
6. VAPOR RETARDER
7. 12" CRUSHED ROCK
8. REINFORCED CONCRETE BOTTOM
9. 1" DRAIN HOLE
10. FINISHED GRADE, SLOPE 1/8" OVER 12" EXTEND 4'-0"
11. COMPACTED SOIL
12. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGH OUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUNDBOX.
13. ALL SERVICE LOOPS AND PULL STRINGS TO BE SECURELY AND NEATLY ATTACHED TO WALLS OF GROUND BOX WITH NO CABLES LEFT ON THE BOTTOM OF THE BOX.



3 GROUND PULL BOX DETAIL
SCALE: NONE

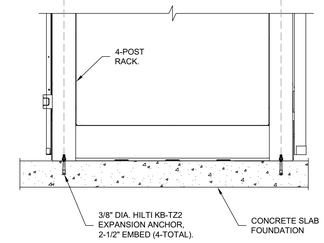
NOT USED

1. LADDER RACK ASSEMBLY PER DRAWINGS.
2. MOUNTING BRACKET, 60" OC MAXIMUM SPACING BETWEEN BRACKETS.
3. MFR. INCLUDED MOUNTING BRACKET J-HOOK HARDWARE
4. 3/16" DIA. WOOD LAG SCREW W/ WASHER, 1.5" MIN. EMBEDMENT INTO CENTER OF STUD, SPAN 2-BAYS.
5. STUD AT 16" O.C.



12 RUNWAY SIDE WALL SUPPORT DETAIL
SCALE: NONE

NOT USED

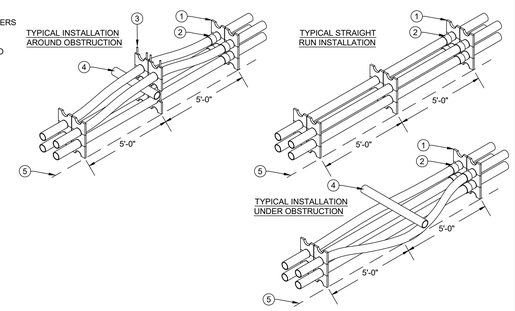


NOTE:
1) RACK TOTAL HEIGHT = 82.75"

7 FLOOR MOUNTED 4-POST RACK DETAIL
SCALE: NONE

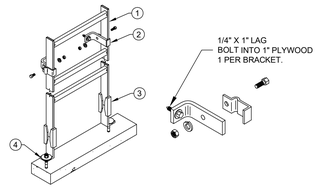
1. BOTTOM & MIDDLE PLASTIC SPACERS EVERY 5' SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
2. COUPLING
3. REINFORCING STEEL RODS
4. OBSTRUCTION
5. TRENCH BOTTOM

NOTES:
1. USE THESE DETAILS TO AVOID CONFLICTS WITH EXISTING OR NEW OBSTRUCTIONS.
2. SPACE SIGNAL AND COMMUNICATION CONDUIT 12" FROM POWER CONDUIT (ABOVE 120V) AND 3" FROM ALL OTHER CONDUIT.



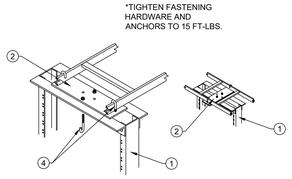
2 CONDUIT TRANSITION DETAIL
SCALE: NONE

1. CABLE LADDER PER DRAWINGS.
2. VERTICAL WALL BRACKETS, CHATSWORTH PN 10608-001 OR EQUAL
3. VERT. LADDER FLOOR BRACKET, CHATSWORTH PN 11309-000 OR EQUAL
4. 3/8" DIA. HILTI KB-TZ2 ANCHOR, 2" EMBED (2-TOTAL)



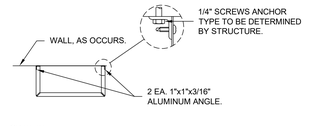
14 VERTICAL LADDER SUPPORT DETAIL
SCALE: NONE

1. DATA RACK ASSEMBLIES
2. TOP PLATE MOUNTING BRACKET
3. MFR. INCLUDED TOP PLATE MOUNTING BRACKET, J-HOOK HARDWARE.

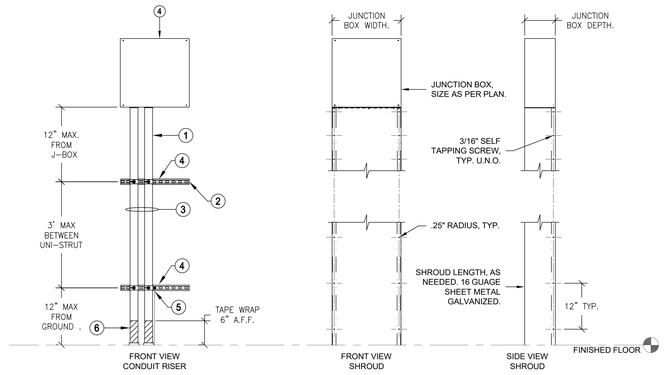


10 RUNWAY SUPPORT KIT FOR RACK DETAIL
SCALE: NONE

1. INSTALL CONDUIT AS CLOSE AS POSSIBLE AND TO ONE SIDE OF J-BOX TO ACCOMMODATE FUTURE INSTALLATIONS
2. UNI-STRUT TO BE CUT THE SAME LENGTH AS J-BOX.
3. RIGID CONDUIT.
4. CAULKING ACCORDING TO FIRE RATING-TYPICAL.
5. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
6. FLEX BETWEEN RISER AND GROUND CONDUIT.



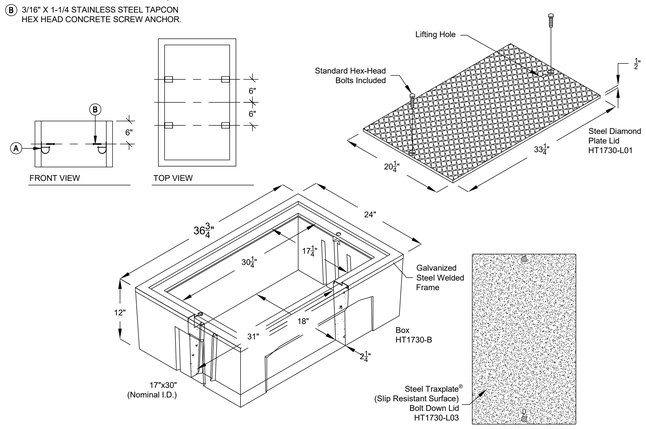
TOP VIEW



NOTE:
1. PAINT SHROUD TO MATCH EXISTING BUILDING.

6 WALL MOUNTED JUNCTION BOX WITH CONDUIT RISER AND SHROUD DETAIL
SCALE: NONE

A. J-HOOK, 2" CADDY (P/N CAT32), MOUNT DIRECTLY TO SIDE OF GROUND BOX, TYP.
B. 3/16" X 1-1/4 STAINLESS STEEL TAPCON HEX HEAD CONCRETE SCREW ANCHOR.



MFG.	PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
JENSEN*	HT1730-B	BOX	17"x30"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	290	6
JENSEN*	HT1730-E	EXTENSION	17"x30"x12" Concrete Extension	288	6
JENSEN*	HT1730-L01	LID	Steel Diamond Plate Bolt Down Lid	105	
JENSEN*	HT1730-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Traffic Rated Lid	105	
* OR APPROVED EQUAL					

1 IN-GROUND PULL BOX DETAIL - G1
SCALE: NONE

AGENCY APPROVAL DSA APP NO. 02-123812

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

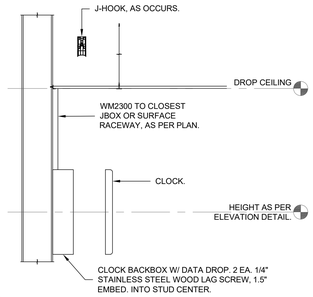
TECHNOLOGY DETAILS

SHEET NO.

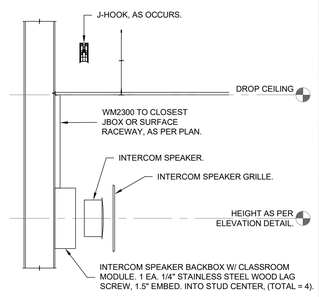
T501

INCREMENT NO. 1

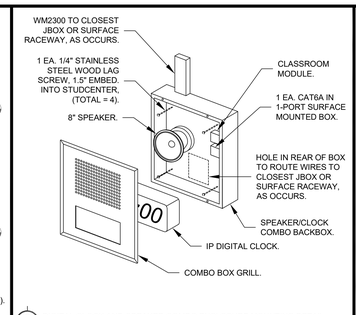
NOT USED



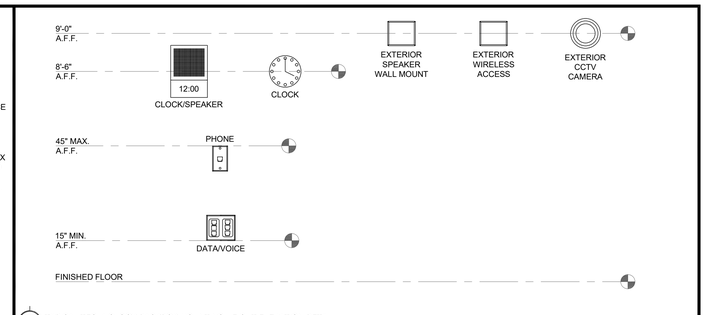
12 SURFACE WALL MOUNTED CLOCK DETAIL
SCALE: NONE



11 SURFACE WALL MOUNTED INTERIOR INTERCOM SPEAKER DETAIL
SCALE: NONE

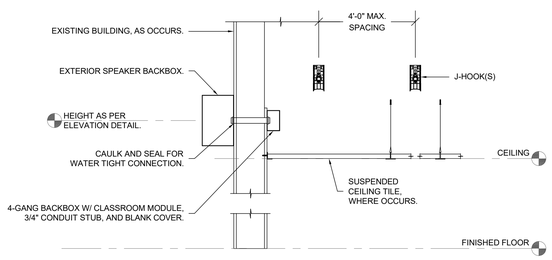


6 DIGITAL CLOCK AND SPEAKER COMBO ENCLOSURE MOUNTING DETAIL
SCALE: NONE

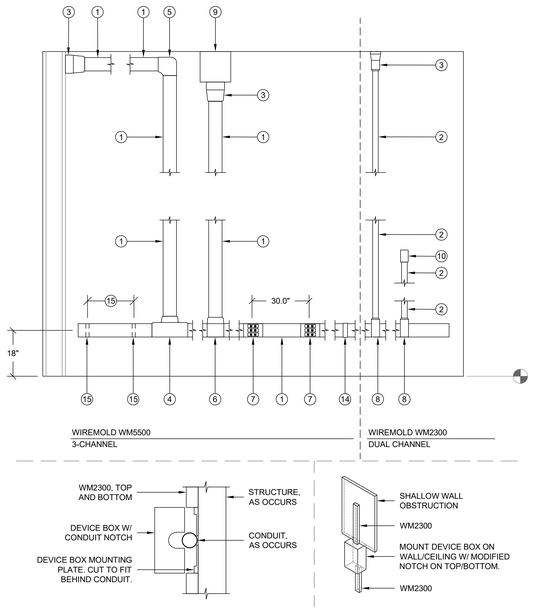


5 TYPICAL TECHNOLOGY BACKBOX MOUNTING HEIGHT ELEVATION DETAIL
SCALE: NONE

NOT USED



10 EXTERIOR INTERCOM SPEAKER MOUNTING DETAIL
SCALE: NONE



4 TYPICAL SURFACE MOUNTED RACEWAY W/ ASSEMBLY COMPONENTS DETAIL
SCALE: NONE

WIREMOLD SURFACE RACEWAY

SYMBOL	DESCRIPTION	WM5500 PART NUMBER	WM2300 PART NUMBER
1	WIREMOLD WM5500	5500	N/A
2	WIREMOLD WM2300	N/A	2300
3	ENTRANCE END FITTING	5510D	2310A
4	FULL CAPACITY TEE (FIBER READY)	N/A	N/A
5	FULL CAPACITY FLAT ELBOW 90°	5511F0	2311DFO
6	TEE	5515	2315
7	DEVICE BRACKET W/ DUAL RJ FACEPLATE, DUPLEX FACEPLATE OR BLACK FACEPLATE AS NEEDED	5550 / 5507FRJ / 5507D / 5507B	5474 / 5574
8	TRANSITION FITTING FOR WM2300	5574	2348
9	WALL MOUNTED PULL BOX SIZE AS NOTED PER PLAN	N/A	2300
10	DEVICE BOX	N/A	2348
11	END CAP	5510	2310B
12	INTERNAL ELBOW	5517FO	2317DFO
13	EXTERNAL ELBOW	5518FO	2318DFO
14	BASE SEAM COVER	5506	2306
15	WIRE CLIP	5500WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)	2300WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)
16	TRANSITION FITTING FOR WM5500 TO WM5400	5574A	N/A

NOTE:
1) DEVICE BOX (10) TO BE USED TO TRANSITION OVER CONDUIT AND SHALLOW WALL OBSTRUCTIONS (I.E. BULLETIN BOARD, TRIM, CASEWORK, ETC.) WHERE REQUIRED. UNDER NO CIRCUMSTANCES SHOULD SURFACE RACEWAY BE BENT OVER OBSTRUCTIONS.

NOT USED

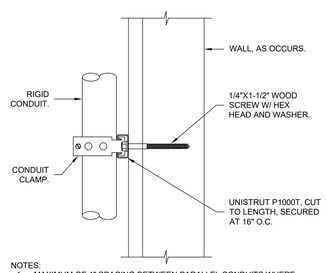
NOT USED

NOT USED

NOT USED

NOT USED

NOT USED



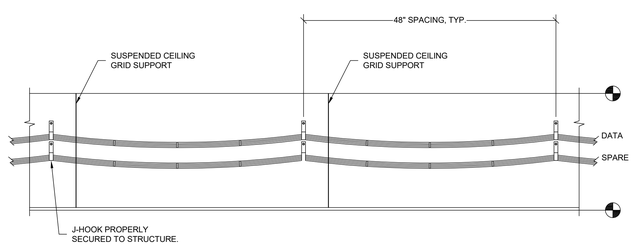
NOTES:
1. MAXIMUM OF 1" SPACING BETWEEN PARALLEL CONDUITS WHERE APPLICABLE.

3 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE: NONE

NOT USED

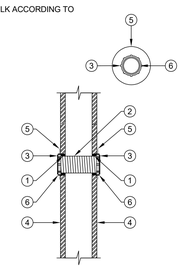
NOT USED

NOT USED



7 J-HOOK PATHWAY ABOVE CEILING DETAIL
SCALE: NONE

1. DRAFT STOP OR FIRE CAULK ACCORDING TO NFPA REQUIREMENTS
2. THREADED, RIGID, CONDUIT
3. SCREW ON BUSHING
4. WALL
5. REDUCING WASHER OR PLATE
6. SCREW ON LOCKING RINGS FRONT & BACK (TYP.)



2 CONDUIT SLEEVE PENETRATION DETAIL
SCALE = NONE

NOT USED

NOT USED

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
2635 Chestnut Hill Drive
Sacramento, CA 95826

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

TECHNOLOGY DETAILS

SHEET NO.

T502

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814)
and ANSI/UL263 (ASTM E119)

CLIV.R14288

Wall-opening Protective Materials

SpecSeal Power Shield Box Inserts, for use with flush device UL Listed Metallic Outlet Boxes without internal clamps installed with steel mud rings in framed wall assemblies. When protective material is used in outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the boxes are not installed back-to-back. Installation shall comply with the National Electrical Code (NFPA 70). The max outlet box dimensions, hourly rating, type of stud, use of stud cavity insulation and type of faceplate are tabulated below. Additional general construction features shall comply as follows:

A. **Studs** - Unless otherwise specified, the minimum stud width is 3-1/2 in. (89 mm).

B. **Stud Cavity Insulation** - Where indicated in the table below, stud cavity insulation to consist of min 3-1/2 in. (89 mm) thick fiberglass (min 0.5 pcf or 8 kg/m3) or mineral fiber (min 4 pcf or 64 kg/m3). Unless indicated as required, stud cavity insulation is optional.

C. **Wall Design** - Stud composition is indicated in the table below. Wall construction shall comply with the individual U300, U400 or V400 Series Wall and Partition Design in the Fire Resistance Directory.

D. **Pad Dimensions** - The minimum dimensions of the insert pad are shown in the table below. Pads may be cut to achieve dimensions shown in table and partial insert pads may be utilized.

Product	Max Outlet Box Size, in. (mm)	Outlet Box Type	Outlet Box Mfr	Pad Size, in. (mm)	Rating, hr	Stud	Cavity Insulation	Face Plate Type	Putty Ball
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	2	Steel	No	Steel	-
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	2	Steel	Yes	Plastic	-
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	2	Steel	No	Steel	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	2	Steel	Yes	Plastic	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	2	Steel	No	Steel	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	2	Steel	Yes	Plastic	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-11/16 x 4-11/16 x 2-1/8 (119 x 119 x 54) deep	-	-	4-1/2 x 4-1/2 (114 x 114)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-1/2 x 5 x 2-3/8 (114 x 127 x 60) deep	-	-	4-1/2 x 4-1/2 (114 x 114)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-1/2 x 14 x 2-1/2 (114 x 356 x 64) deep	-	-	4-1/2 x 13-3/4 (114 x 349)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-

SpecSeal Putty Pads, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the boxes are not installed back-to-back. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. When nonmetallic box is used with Type NM cable, a 3/16 in. (5 mm) thickness of putty shall be formed around the cable at its connection to the box and extending a min of 1 in. (25 mm). The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are tabulated below. Additional general construction features shall comply as follows:

A. **Studs** - Unless otherwise specified, the minimum stud width is 3-1/2 in. (89 mm).

B. **Stud Cavity Insulation** - Unless indicated as required, stud cavity insulation is optional and may consist of min 3-1/2 in. (89 mm)thick fiberglass (min 0.5 pcf or 8 kg/m3) or mineral fiber (min 4 pcf or 64 kg/m3).

C. **Wall Design** - Stud composition is indicated in the table below. Wall construction shall comply with the individual U300, U400 or V400 Series Wall and Partition Design in the Fire Resistance Directory.

D. **Metallic Outlet Boxes** - Except as indicated in the table below, when steel outlet boxes are used and the boxes are interconnected by of electrical metallic tube or conduit, a ball of putty is to be installed to plug the open end of each electrical metallic tube (EMT) or conduit within the outlet box. When MC cable is used and/or when the outlet boxes are not interconnected, the ball of putty is not required.

E. **Nonmetallic Outlet Boxes** - The box manufacturer is indicated in the table below. Boxes shall bear a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance" category in the Fire Resistance Directory.

Model	Max Outlet Box Size in. (mm)	Outlet Box Type	Outlet Box Mfr	Pad Size in. (mm)	Rating, hr	Stud	Cavity Insulation	Face Plate Type	Putty Ball
-	4 x 4 x 2-1/8 (102 x 102 x 54) deep	Steel	N.A.	-	1	Steel or Wood	-	Steel	No
-	4 x 4 x 2-1/8 (102 x 102 x 54) deep	Steel	N.A.	-	1	Steel or Wood	-	Plastic	Yes
-	4-11/16 x 4-11/16 x 2-1/8 (119 x 119 x 54) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	4-1/2 x 5 x 2-3/8 (114 x 127 x 60) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	4-1/2 x 14 x 2-1/2 (114 x 127 x 60) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Polyvinyl Chloride	Lamson & Sessions or Carlon	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Phenolic	Allied Moulded Prods	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Polycarbonate	Thomas & Betts	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Phenolic	Thomas & Betts	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	2-1/4 x 3-3/4 x 2-3/4 (57 x 95 x 70) deep	Polyvinyl Chloride	Pass & Seymour	-	1 or 2	Wood	-	Plastic or Steel	N.A.

SpecSeal Putty Pads, for use with maximum 4 by 4 by 2-1/8 in. (102 by 102 by 54 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel faceplates in 1 hr or 2 hr fire rated gypsum board wall assemblies constructed with min 5-1/2 in. (140 mm) wide wood or steel studs and with stud cavities filled with fiberglass (nom 0.5 pcf or 8 kg/m3) or mineral fiber (nom 4 pcf or 64 kg/m3) insulation. When protective material is used on outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the boxes on opposite sides of the wall are not interconnected with conduit or, when interconnected, the open end of the conduit within the outlet box is filled with a ball of putty. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13mm) The seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box.

SpecSeal EP23, EP24 and EP44 Power Shield Box Inserts and SpecSeal Putty Pads, for use with maximum 4 by 4 by 1-1/2 or 2-1/8 in. (102 by 102 by 38 or 54 mm) deep flush device UL Listed **Metallic Outlet Boxes** installed with steel mud rings and with steel or plastic faceplates in 1 hr or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

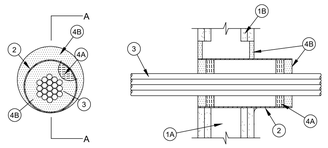
SpecSeal Putty Pads, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud unless otherwise noted) including nailing tabs and to completely seal against the stud within the stud cavity. Multiple moldable putty pads may be installed on an outlet box to attain the required minimum thickness of putty material. Additional putty material used to seal around each conduit and/or cable fitting on the exterior of each box. A min 3/16 in. (4.8 mm) thickness of putty material is required on the exterior surfaces of flush device boxes in 1 and 2 hr fire rated Wall and Partition Designs. When the moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

SpecSeal EP55 Power Shield Box Inserts, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Power Shield Box Insert is to be applied to the back surface of the box and may be slit to accommodate communications-circuit accessories. When the Power Shield Box Insert is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-3210

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 3/4 Hr	FT Rating - 3/4 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft (See Items 3 and 4B)	FH Ratings - 1 and 2 Hr (See Item 1)
L Rating at 400°F - Less Than 1 CFM/sq ft (See Items 3 and 4B)	FTH Rating - 3/4 Hr
	L Rating at Ambient - Less Than 5.1 L/S/m² (See Items 3 and 4B)
	L Rating at 204°F - Less Than 5.1 L/S/m² (See Items 3 and 4B)



Section A-A

1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, V300, U400, V400, or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76mm) clearance is present between the penetrating item and the framing on all four sides.
   B. **Gypsum Board*** - 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, V300, U400, V400 or W400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 6-1/2 in. (165 mm) when sleeve (Item 2) is installed. Max diam of opening is 4 in. (102 mm) when sleeve is not used.

   The hourly F and FH rating of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Steel Sleeve - (Optional)** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT), steel conduit, Schedule 5 (or heavier) steel pipe sleeve or min 0.016 in. thick (0.41 mm, No. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between the steel sleeve and periphery of opening shall be min 0 in. (continuous point contact) to max 2 in. (51 mm). When Schedule 5 steel pipe or EMT is used, sleeve may be installed flush with or extend up to 18 in. (46 cm) beyond one or both wall surfaces. Steel sleeve may be installed at an angle not greater than 45 degrees from perpendicular. Schedule 5 steel pipe or EMT sleeves may extend continuously beyond one wall surface. Sleeve to be rigidly supported when extending from the wall surfaces.

3. **Cables** - Aggregate cross-sectional area of cables in opening when a steel sleeve (Item 2) is not used, or within steel sleeve to be max 48 percent of the aggregate cross-sectional area of the opening or sleeve. Cables to be bundled and rigidly supported on both sides of wall assembly. When the sleeve is installed, the annular space between the cables and the sleeve shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). When the sleeve (Item 2) is not used, the annular space between the cables and the opening shall be a min 0 in. (point contact) to a max 1/2 in. (13 mm). When L Ratings for penetrants are required, min separation between cables and between cables and periphery of opening or the sleeve no 1/8 in. (3 mm). Cable bundle, using cables described below, may penetrate the wall at an angle not greater than 45 degrees. Any combination of the following types and sizes of copper conductor cable may be used:
   A. Max 200 pair No. AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 3/C No. 20 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.
   C. Max 3/C No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with copper conductors, PVC insulation and jacket.
   D. Max 7/C No. 20 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.
   E. Max RG/U (or smaller) coaxial cable with fluorinated ethylene or plenum-rated insulation and jacketing.
   F. Max 62.5/48 fiber optic cable with PVC or plenum-rated insulation and jacketing.
   G. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with PVC or plenum-rated insulation and jacket.
   H. Max 4/C No. 20 aluminum or copper conductor aluminum or steel Metal-Cladd® or Armored-Cladd® cable.
   I. Max 3/4-in. (19 mm) diam copper ground cable with or without a PVC jacket.
4. **Firestop System** - The firestop system shall consist of the following:
   A. **Packing Material** - When required (see table in item 4B), min 1 in. (25 mm) thickness of min 4.0 pfc (64 kg/m³) mineral wool bat insulation firmly packed into each end of sleeve (item 2) as a permanent form. packing materials to be recessed from each end of sleeve as required to accommodate thee required thickness of fill material. When the sleeve is not used, the packing material is not required.
   B. **Fill, Void or Cavity Material* - Sealant or Putty** - When sleeve (Item 2) is used, fill material applied to appropriate thickness within steel sleeve as shown in the table below, flush with edges of steel sleeve on both surfaces of wall. Min 1/2 in. (13 mm) thickness of fill material installed into annular space between sleeve and wall flush with both surfaces of the wall. Min 1/2 in. (13 mm) diam bead of sealant or "rope" of putty shall be applied around the perimeter of the sleeve on each side of the wall when sleeve extends beyond surface of wall and is installed at continuous point contact. When sleeve is not used, a min 5/8 in. (16 mm) thickness of fill material shall be applied within the annulus, flush with both surfaces of the wall. At point contact location, apply min 1/4 in. (6 mm) diam bead of fill material at cable/gypsum board interface on both sides of the wall.

Sealant or Putty Type	Thickness, In. (mm)	Packing Material Required
SpecSeal Series SSS Sealant or LCI Sealant	1/2 in. (13)	Yes
SpecSeal Series SSS Sealant or LCI Sealant	1 in. (25)	No
SpecSeal Putty	1 in. (25)	No

SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant or SpecSeal Putty

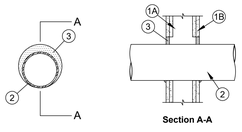
L Ratings apply only when SpecSeal Series SSS or SpecSeal LCI Sealants are used.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-1049

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr	FT Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Ratings - 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/sq ft	FTH Rating - 0 Hr
	L Rating at Ambient - Less Than 5.1 L/S/m2
	L Rating at 204°C - Less Than 5.1 L/S/m2



Section A-A

2. **Through Penetrant** - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. **Steel Pipe** - Nom 36 in. (914 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe** - Nom 36 in. (914 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 4 in. (102 mm) diam (or smaller) flexible steel conduit.
   D. **Copper Tubing** - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. **Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. **Stainless Steel Pipe** - Nom 36 in. (914 mm) diam (or smaller) Schedule 10 (or heavier) stainless steel pipe.
2A. **Through Penetrating Product* - Flexible Metal Piping** - As an alternate to Item 2, one nom 2 in. (51 mm) diam (or smaller) steel flexible metal pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Pipe to be rigidly supported on both sides of the wall assembly.

   OMEGA FLEX INC

   GASTITE, DIV OF

   TITEFLEX WARD MFG L L C
3. **Fill, Void or Cavity Material*** - Sealant - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At point contact location between through penetrant and gypsum board, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.

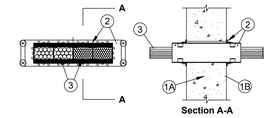
   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-J-3098

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 2 and 4 Hr (See Item 3)	F Ratings - 2 and 4 Hr (See Item 3)
T Ratings - 3/4 and 1 Hr (See Item 3)	FT Ratings - 3/4 and 1 Hr (See Item 3)
L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFM/Device Module (See Item 3)	FH Ratings - 2 and 4 Hr (See Item 3)
L Rating At 400 F - Less Than 1, 2 or 3 CFM/Device Module (See Item 3)	FTH Ratings - 3/4 and 1 Hr (See Item 3)
	L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFM/Device Module (See Item 3)
	L Rating At 400 F - Less Than 1, 2 or 3 CFM/Device Module (See Item 3)



Section A-A

1. **Wall Assembly** - Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Opening to be max 1/4 in. (6 mm) larger than width and height dimensions of firestop device(s).
   See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Firestop Device*** - One, two, three, four or seven firestop device modules ganged together. Each firestop device module consists of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 0 in. (1.0 mm, point contact) to max 1/8 in. (3.2 mm). In round openings, the space between the firestop device and the periphery of the opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Firestop device modules(s) secured in place by means of steel plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws provided with device. Each firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. As an option, devices may be cast or grouted into wall assembly. When device is cast or grouted in place, the steel wall plates are optional.

   SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 Fire Rated Pathway.
2A. **Firestop Device* - Extension Module** - (Optional, Not Shown) - Module attached to ends of 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long firestop device (Item 3) to increase its length to facilitate installation in thicker walls. Each module consists of a 3 by 3 by 6 in. (76 by 76 by 152 mm) long galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

   SPECIFIED TECHNOLOGIES INC - EZ PATH Extension.

3. **Cables** - Cables may represent a 0 to 100 percent visual fill within the loading area for each firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation.
   B. Max 350 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 10 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
   G. Max RG/U coaxial cable with fluorinated ethylene insulation and jacketing.
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).

   When Item 3A, 3B, 3C, 3D or 3E is used, the F and FH Ratings are 2 hr and the T, FT and FTH Ratings are 3/4 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G or 3H is used, the F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1 hr.

   The L Rating for each empty firestop device module is less than 1 cfm at ambient and at 400F. When Item 3A is used, the L Rating for each firestop device module with 100 percent visual fill is 4 cfm at ambient and 3 cfm at 400F. When Item 3F is used, the L Rating for each firestop device module with 100 percent visual fill is 1.3 cfm at ambient and less than 1 cfm at 400F.When Item 3G or 3H is used, the L Rating for each firestop device module with 100 percent visual fill is 7 cfm at ambient and 2 cfm at 400F.

   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL
(THOMAS JEFFERSON)
CAMPUS RENEWAL

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ARCHITECT

50% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 12/10/2025

JOB NO.: Y2524.00

SHEET TITLE

TECHNOLOGY DETAILS

SHEET NO.

T503

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

INCREMENT NO. 1

RACK COMPONENTS:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	TELECOMMUNICATIONS RACK, 4-POST, 45RU	CHATSWORTH PRODUCTS	OFCI	N/A
2	20 AMP POWER STRIP	CHATSWORTH PRODUCTS	12848-701	N/A
3	RACK CABINET, 12U	CHATSWORTH PRODUCTS	12419-724	N/A
4	FIBER OPTIC LIU 1-RU	ORTRONICS	EQ01U-CHC	WITH SPLICE TRAY AND FIBER ADAPTERS AS REQ'D.
5	FIBER OPTIC LIU 2-RU	ORTRONICS	EQ02U-CHC	WITH SPLICE TRAY AND FIBER ADAPTERS AS REQ'D.
6	NETWORK SWITCH 48G/4SFP+	CISCO	OFCI	N/A
7	19" HORIZONTAL CABLE MANAGER	ORTRONICS	808004759	N/A
8	24-PORT PATCH PANEL	ORTRONICS	OR-SPKSU24	N/A
	PATCH PANEL CABLE SUPPORT BAR		OR-CMBFR0RU	N/A
9	UPS - MDF	N1C	N1C.LR2000	N/A
10	UPS - BATTERY	N1C	N1C.L4850EBM2U	N/A
11	UPS - IDF	N1C	N1C.L1500	N/A
12	NETWORK VIDEO RECORDER	I-PRO	NVR-RL-2-96TB-V4	N/A
13	CCTV MONITOR / KEYBOARD	TRIPP LITE	B021-000-19-HD2	N/A

MDF GENERAL NOTES:

DEMO WORK PER DEMO SHEETS MUST BE COMPLETED BEFORE REWORK OF THE MDF CAN BEGIN.

MDF SCOPE OF WORK:

A. PROVIDE 2 EA. (N) 120V/20A DEDICATED CIRCUITS IN QUAD BOX ON REAR PAN OF RACK (BY ELEC.)

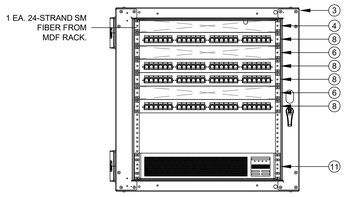
B. SET RACK RAIL DEPTH SO THAT THE FRONT DOOR WILL BE ABLE TO CLOSE AND LATCH AFTER EQUIPMENT AND PATCH CABLES ARE INSTALLED.

C. PROVIDE ALL (N) EQUIPMENT CALLED FOR IN THE ELEVATION.

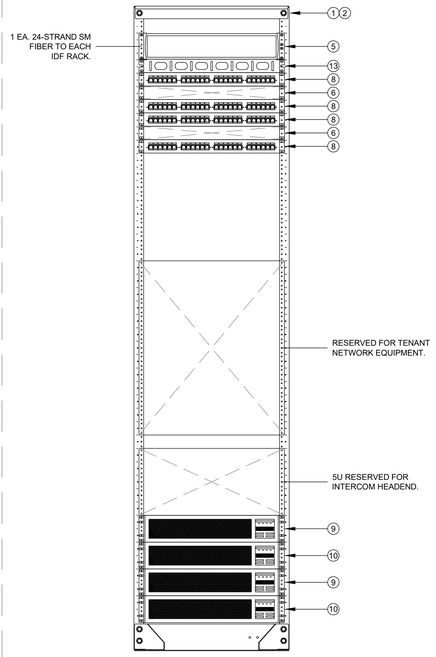
D. RELOCATE ALL (E) EQUIPMENT AS NOTED.

E. REMOVE ALL (E) EQUIPMENT NOT NOTED FOR REUSE AND DELIVER TO DISTRICT WAREHOUSE IN GOOD CONDITION.

F. PROVIDE (N) 6" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS.



2 DATA RACK LAYOUT - IDF 1.01
SCALE: NONE



1 DATA RACK LAYOUT - MDF 1.00
SCALE: NONE

AGENCY APPROVAL DSA APP NO. 02-123812

CALIFORNIA MONTESSORI CAPITAL (THOMAS JEFFERSON) CAMPUS RENEWAL
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ARCHITECT

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REVISIONS

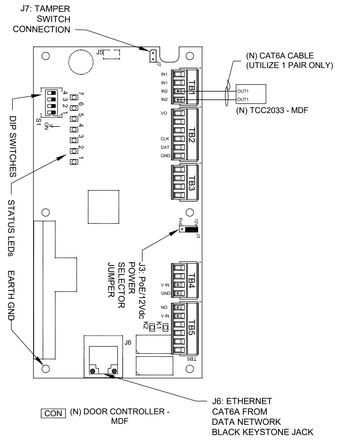
NO.	DESCRIPTION	DATE

DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

TECHNOLOGY RACK ELEVATIONS

SHEET NO.

T601

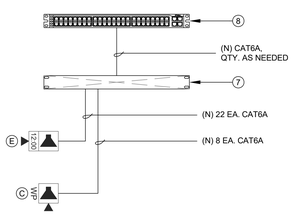


3 TELECENTER TO ACCESS CONTROL SINGLE LINE
SCALE: NONE

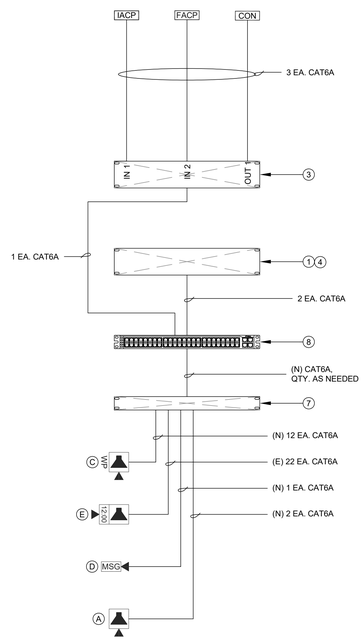
TELECENTER AUX IO MODULE SPECIFIC NOTES:

IACP FACP CONNECTION - ROUTE (N) CABLE INTO CABINET AND PROVIDE 48" SERVICE LOOP. LABEL CABLE. DO NOT TERMINATE.

CON CONNECTION- SEE SINGLE LINE 9/T402 FOR TERMINATION REQUIREMENTS.



2 DATA RACK LAYOUT - IDF 1.01
SCALE: NONE



1 DATA RACK LAYOUT - MDF 1.00
SCALE: NONE

EQUIPMENT INTERCOM SCHEDULE:
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	TELECENTER U IP CONTROLLER	RAULAND	TCC2000	N/A
2	TELECENTER U ADMIN CONSOLE		TCC2045	N/A
3	TELECENTER U AUX. IN/OUT. MODULE		TCC2033	N/A
	UNIVERSAL RACK MOUNTING KIT		TCC2099	N/A
4	TELECENTER U PROGRAM LINE INPUT MODULE		TCC2055	N/A
7	24-PORT OR 48-PORT PATCH PANEL	SEE DATA TECHNOLOGY RACK ELEVATIONS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
8	48-PORT NETWORK SWITCH	SEE DATA TECHNOLOGY RACK ELEVATIONS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
IACP	INTRUSION ALARM CONTROL PANEL	EXISTING	EXISTING	N/A
FACP	FIRE ALARM CONTROL PANEL	EXISTING	EXISTING	N/A
CON	ACCESS CONTROL PANEL	EXISTING	EXISTING	N/A

A EQUIPMENT SCHEDULE INTERIOR SURFACE SPEAKER:
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT INSIDE ENCLOSURE
8 OHM, 8" SPEAKER WITH RJ45 CONNECTOR	RAULAND	US0880	N/A
SPEAKER BAFFLE	RAULAND	ACC1003	N/A
SURFACE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1112	N/A

C EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER:
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT INSIDE BUILDING
TELECENTER U BREAKOUT MODULE	RAULAND	603101	MOUNT INSIDE BUILDING
8 OHM, 8" MOISTURE RESISTANT SPEAKER	LOWELL	8C10MRB	N/A
GRILLE VANDAL RESISTANT	RAULAND	ACC1012	N/A
SURFACE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1113	N/A
(N) SURFACE MOUNTED 4 GANG BACKBOX - WHITE	FSR	SMWB-4G-WHT	MOUNT INSIDE BUILDING

D EQUIPMENT SCHEDULE LARGE MESSAGE BOARD:
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
LARGE MESSAGE BOARD	RAULAND	TCC3012L	N/A
PROTECTIVE CAGE	AMERICAN TIME	G2055OF-28	N/A

E EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK/SPEAKER COMBO:
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT IN ENCLOSURE
IP DIGITAL CLOCK	RAULAND	TCC3011S	N/A
BAFFLE ASSEMBLY WITH SPEAKER	RAULAND	ACC3011S	N/A
SURFACE MOUNT ENCLOSURE CLOCK/SPEAKER COMBO	RAULAND	ACC3011SBB	N/A

ACTION MATRIX:
INTERCONNECTIONS TO OTHER SYSTEMS

MODULES	TCC2033 (IDF 1.01)			
I/O PORTS	IN-1	IN-2	OUT-1	OUT-2
EVENT: LOCKDOWN			C	
EVENT: INTRUSION ALARM ACTIVE	A			
EVENT: FIRE ALARM ACTIVE		B		
A	INPUT: CLOSURE FROM INTRUSION ALARM PANEL			
B	INPUT: CLOSURE FROM FIRE ALARM PANEL			
C	OUTPUT: CLOSURE TO ACCESS CONTROL			

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123812

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NO.	DESCRIPTION	DATE

DATE: 12/10/2025
JOB NO.: Y2524.00
SHEET TITLE

TECHNOLOGY SINGLE LINE DIAGRAMS

SHEET NO.

T602