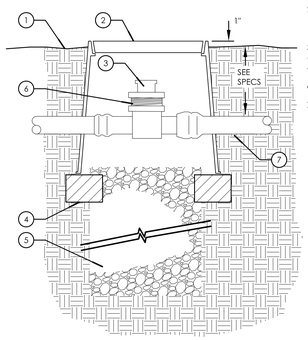
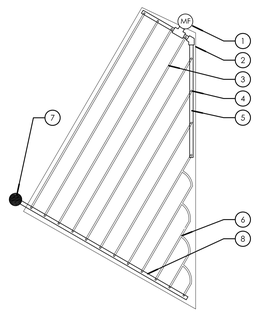


1. FINISH GRADE
2. HUNTER MULTI PURPOSE BOX MB-0811 WITH LETTERS AVR HEAT BRANDED FOR AIR RELIEF VALVE
3. AIR/VACUUM RELIEF VALVE
4. BRICK SUPPORTS (2 REQ.)
5. ¾" GRAVEL SUMP (1 CUBIC FT.)
6. ¾" M X ¾" F REDUCTION BUSHING
7. SUBSURFACE DRIP LINE

K Air / Vaccum Valve

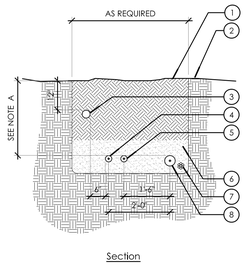
Scale: NTS



1. MANUAL FLUSH VALVE PLUMBED TO PVC OR POLY
2. AREA PERIMETER
3. DRIP TUBING. SEE LEGEND FOR EMITTER AND LATERAL LINE SPACING
4. DRIP TUBING START CONNECTION MALE ADAPTER
5. PVC OR POLY EXHAUST HEADER
6. DRIP TUBING TEE
7. DRIP CONTROL ZONE KIT
8. PVC OR POLY SUPPLY HEADER

I Dripline Layout - Irregular Areas

Scale: NTS



1. MINIMUM BACKFILL COMPACTION TO BE 90%.
2. FINISH GRADE
3. NON-PRESSURIZED LATERAL LINE PIPING
4. COMMUNICATION CABLE CONDUIT (WHERE REQUIRED)
5. FLOW SENSOR CABLE AND CONDUIT
6. APPROVED TOP SOIL OR SAND BACKFILL - PROVIDE 3" UNDER PIPE AND 6" ABOVE PIPE
7. CONTROL WIRES BUNDLED AND TAPED AT 10'-0" INTERVALS - INSTALL ADJACENT TO MAINLINE. SEE MASTER IRRIGATION LEGEND SHEET CONTROLLER NOTE FOR TYPE OF WIRE.
8. PRESSURIZED MAINLINE PIPING

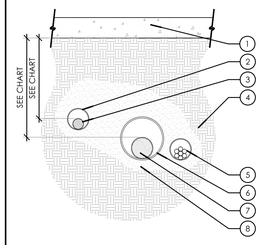
NOTES:
A. MINIMUM BACKFILL DEPTHS FROM FINISH GRADE TO TOP OF MAINLINE SHALL BE AS FOLLOWS:
   - 24" IN PLANTING AREAS
   - 36" UNDER PAVED AREAS
B. ALL PLASTIC PIPING SHALL BE SNAKED IN TRENCHES
C. TIE A LOOSE 20" LOOP IN WIRING AT ANY CHANGE IN DIRECTION GREATER THAN 30° - UNTIE ANY LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE
D. CLEARANCE BETWEEN PIPE TO EDGE OF TRENCHING LINE SHALL BE MINIMUM 4"

Section

E Trenching Detail

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

LINE TYPE	LOCATION	DEPTH
PRESSURIZED MAINLINE	IN LANDSCAPE	24"
	UNDER VEH. PAVING	36"
LATERAL LINES	IN LANDSCAPE	18"
	UNDER VEH. PAVING	30"

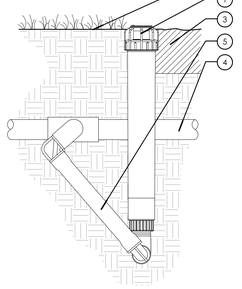


1. VEHICULAR or PEDESTRIAN PAVING - REFER TO CONSTRUCTION LAYOUT PLANS FOR SPECIFIC CONDITION
2. LATERAL LINE SLEEVING SHALL BE SCH. 40 PVC - SLEEVE DIA. SHALL BE 2 x LATERAL DIA
3. LATERAL LINE - REFER TO SPECIFICATIONS
4. BACKFILL - 90% RELATIVE COMPACTION, MINIMUM - REFER TO GEOTECHNICAL REPORT
5. CONTROL WIRE BUNDLE SLEEVING SHALL BE SCH. 40 PVC PIPE. SEE MASTER IRRIGATION SHEET CONTROLLER NOTE FOR TYPE OF WIRE.
6. MAINLINE SLEEVING SHALL BE SCH. 40 PVC PIPE - SLEEVE DIA. SHALL BE 2 x MAINLINE DIA.
7. MAINLINE - REFER TO SPECIFICATIONS
8. SAND BACKFILL - 2" BASE & 6" OF COVER, MIN.

NOTES:
A. ALL IRRIGATION WIRES, LATERALS AND MAINLINE SHALL BE PLACED IN SLEEVES
B. IRRIGATION CONTRACTOR SHALL COORDINATE ALL SLEEVING LOCATIONS & SIZES WITH HARDSCAPE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION
C. ALL SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND THE EDGE OF THE HARDSCAPE SURFACE

A Irrigation Sleeving

Scale: 1"=1'-0"

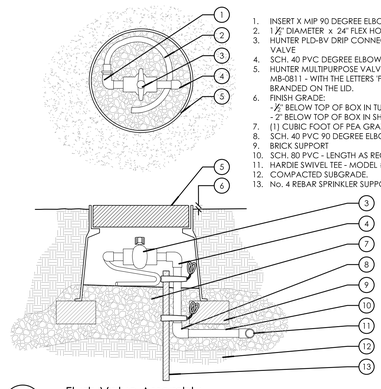


1. ECO INDICATOR
2. FINISH GRADE
3. ADJACENT PLANTING AREA
4. PVC EXHAUST OR SUPPLY HEADER
5. SWING JOINT

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. MARLEX FITTINGS NOT ALLOWED
C. INSTALL CHECK VALVES AS REQUIRED

L Drip Operation Indicator

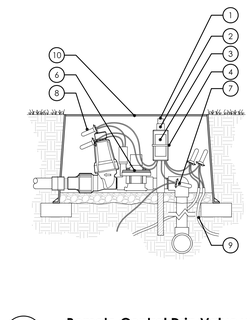
Scale: NTS



1. INSERT X MIP 90 DEGREE ELBOWS.
2. 1 ½" DIAMETER x 24" FLEX HOSE.
3. HUNTER PLD-BV DRIP CONNECTION BALL VALVE
4. SCH. 40 PVC DEGREE ELBOW MIP X FIP.
5. HUNTER MULTIPURPOSE VALVE BOX MB-0811 - WITH THE LETTERS 'F.V.' HEAT BRANDED ON THE LID.
6. FINISH GRADE:
   - ½" BELOW TOP OF BOX IN TURF.
   - 2" BELOW TOP OF BOX IN SHRUB/GC.
7. (1) CUBIC FOOT OF PEA GRAVEL SUMP.
8. SCH. 40 PVC 90 DEGREE ELBOW FIP X FIP.
9. BRICK SUPPORT
10. SCH. 80 PVC - LENGTH AS REQUIRED.
11. HARDIE SWIVEL TEE - MODEL #FTS16.
12. COMPACTED SUBGRADE.
13. No. 4 REBAR SPRINKLER SUPPORT.

J Flush Valve Assembly

Scale: 2"=1'-0"

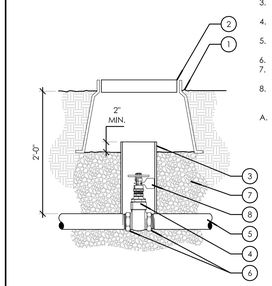


1. REBAR
2. DECODER STAKE PER MASTER IRRIGATION LEGEND
3. DECODER MODEL AND MANUFACTURER PER MASTER IRRIGATION LEGEND
4. ELECTRICAL CABLE TIE
5. FINISHED GRADE
6. DRIP VALVE PER MASTER IRRIGATION LEGEND
7. TO EARTH GROUND
8. WATER PROOF WIRE SPLICE NUTS DBR/Y-6 OR EQUAL
9. JACKETED 2WIRE WIRE
10. VALVE BOX WITH HEAT BRANDED LID 'RCV'

NOTES:
A. EARTH TO GROUND TO BE A MINIMUM 8' AWAY FROM TWO WIRE PATH. GROUNDING ONLY NEEDS TO OCCUR EVERY 12TH DECODER OR 1000' WHICHEVER COMES FIRST
B. PROVIDE YELLOW VALVE ID TAG LABELED WITH CORRESPONDING CONTROLLER AND VALVE NUMBER

F Remote Control Drip Valve with Decoder

Scale: 1 1/2"-1'-0"

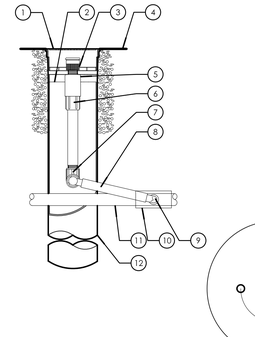


1. FINISH GRADE
   - 1" IN TURF
   - 2" IN GROUND COVER
2. ROUND, PLASTIC VALVE BOX WITH LOCKING COVER SHALL BE BRANDED "GV" - REFER TO IRRIGATION LEGEND
3. 6" Ø PVC PIPE EXTENSION - LENGTH AS REQUIRED
4. GATE VALVE - REFER TO IRRIGATION LEGEND FOR SPECS.
5. PVC MAINLINE - REFER TO IRRIGATION LEGEND
6. PVC MALE ADAPTER - TWO (2) REQUIRED
7. PEA GRAVEL - TWO (2) CUBIC FEET AT BASE OF VALVE
8. RECLAIMED WATER TAG

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

B Gate Valve

Scale: 1"=1'-0"

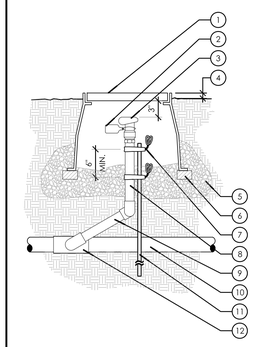


1. 4-INCH GRATE
2. ROOT WATERING SYSTEM
3. BUBBLER
4. FINISH GRADE
5. CHECK VALVE
6. 1/2-INCH PVC SCH 80 NIPPLE
7. 1/2-INCH 90-DEGREE ELBOW
8. SWING PIPE 12-INCH SWING ASSEMBLY
9. 1/2-INCH MALE NPT INLET
10. PVC SCH 40 TEE OR EL
11. LATERAL PIPE
12. BASKET WEAVE CANISTER

NOTE:
1. EQ. SPACE TYP. BETWEEN TRUNK AND CANOPY EDGE

G Root Watering System

NTS

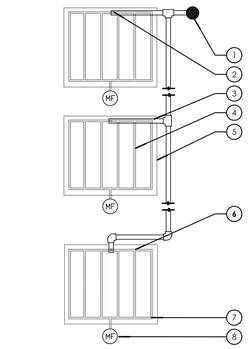


1. PLASTIC, 10" ROUND VALVE BOX WITH BOLT DOWN COVER, HEAT BRANDED, "QCV" - COLOR PER MASTER IRRIGATION LEGEND
2. WATER ID TAG
3. QUICK COUPLER VALVE - REFER TO IRRIGATION LEGEND
4. FINISH GRADE:
   - 1/2" BELOW BOX LID IN TURF AREAS
   - 1 1/2" BELOW BOX LID IN SHRUB/GC AREAS
5. ONE (1) CU. FT. [MIN.] OF 3/4" CRUSHED ROCK AT BASE OF VALVE BOX
6. SUPPORT - COMMON RED BRICK
7. V.I.T. STAINLESS STEEL TIES - TYPICAL
8. SCH. 80 PVC NIPPLE - LENGTH AS REQUIRED
9. 1" DIA. SCH. 80 PVC SWING JOINT - PREASSEMBLED BY SPEARS
10. PVC MAINLINE
11. 1/2" DIA. x 24" LENGTH GALVANIZED PIPE STAKE
12. SCH. 80 PVC TEE FITTING

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. 12" MIN. CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE QUICK COUPLER VALVE BOX AND ANY ADJACENT HARDSCAPE

C Quick Coupler Valve

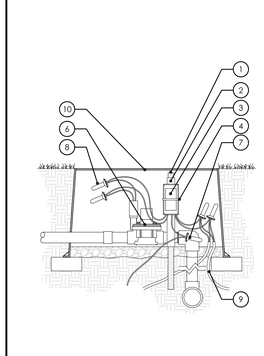
Scale: 3/4"=1'-0"



1. DRIP CONTROL ZONE KIT
2. DRIP TUBING START CONNECTION MALE ADAPTER
3. PVC OR POLY SUPPLY HEADER
4. DRIP TUBING. SEE LEGEND FOR EMITTER AND LATERAL LINE SPACING
5. ISLAND PERIMETER
6. DRIP TUBING TEE
7. DRIP TUBING ELL
8. MANUAL FLUSH VALVE PLUMBED TO DRIP TUBING

H Dripline Island Layout

Scale: NTS



1. REBAR
2. DECODER STAKE PER MASTER IRRIGATION LEGEND
3. DECODER MODEL AND MANUFACTURER PER MASTER IRRIGATION LEGEND
4. ELECTRICAL CABLE TIE
5. FINISHED GRADE
6. VALVE PER MASTER IRRIGATION LEGEND
7. TO EARTH GROUND
8. WATER PROOF WIRE SPLICE NUTS DBR/Y-6 OR EQUAL
9. JACKETED 2WIRE WIRE
10. VALVE BOX WITH HEAT BRANDED LID 'RCV'

NOTES:
A. EARTH TO GROUND TO BE A MINIMUM 8' AWAY FROM TWO WIRE PATH. GROUNDING ONLY NEEDS TO OCCUR EVERY 12TH DECODER OR 1000' WHICHEVER COMES FIRST
B. PROVIDE YELLOW VALVE ID TAG LABELED WITH CORRESPONDING CONTROLLER AND VALVE NUMBER

D Remote Control Valve with Decoder

Scale: 1 1/2"-1'-0"

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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

HKLA

LICENSED LANDSCAPE ARCHITECT
HONGJOO KIM NO. 5087
Signature
12/31/26
Renewal Date
03/20/26
Date
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R. DAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/02/2025	DSA V2
03/20/2026	DSA V3

⚠ REVISION DATE	DESCRIPTION

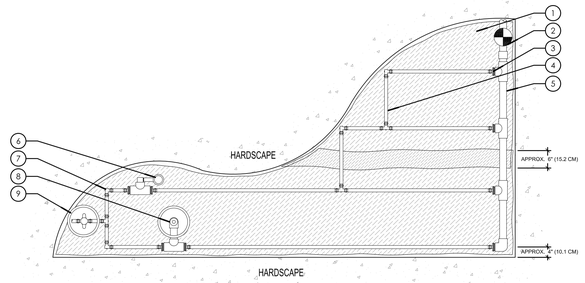
DRAWING TITLE

IRRIGATION DETAILS

5L4.10

SCALE

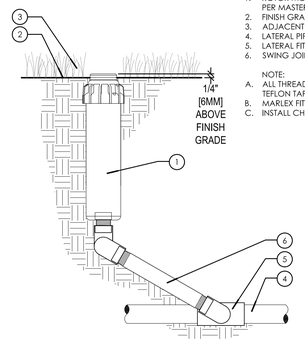
PLOT DATE 7/25/2025 9:23 AM



1. ECOMAT PER PLAN - CUT MAT TO FIT LIMITS OF PLANTED AREA
2. DRIP CONTROL ZONE KIT PER PLAN
3. PVC TO DRIP LINE TUBING CONNECTION - HUNTER PLD LOC FITTING
4. ECO WRAP CONNECTIONS
5. PVC SUPPLY HEADER - SIZE PER PLAN
6. HUNTER PLD LOC FITTING
7. ECO INDICATOR ON SWING ARM
8. AIR RELIEF VALVE IN VALVE BOX
9. FLUSH POINT HUNTER PLD-BV IN 6" ROUND VALVE BOX

NOTES:
A. AIR RELIEF VALVE HUNTER PLD-BV INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE RELIEF VALVES MAY BE NEEDED TO ACCOMODATE DIFFERENCE IN GRADE
B. HUNTER ECO INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP
C. FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM

D Eco Mat Sub Surface Drip
Scale: 1 1/2"-1'-0"



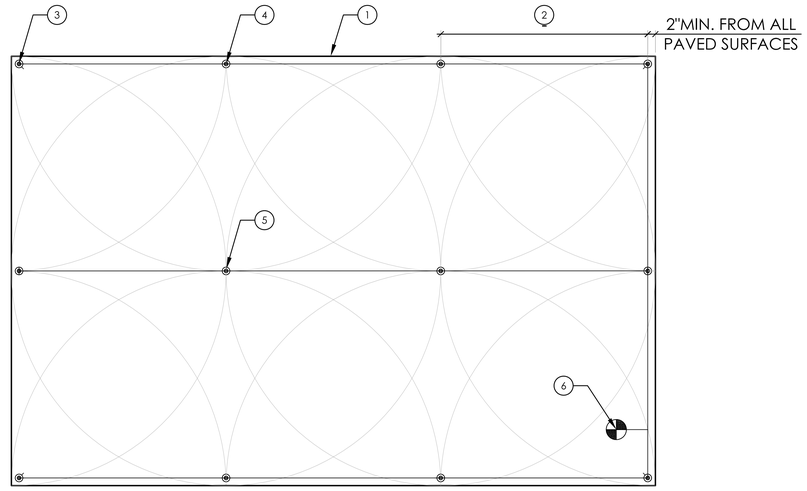
1. ROTOR MODEL AND MANUFACTURER PER MASTER IRRIGATION LEGEND
2. FINISH GRADE
3. ADJACENT LANDSCAPE
4. LATERAL PIPE
5. LATERAL FITTING
6. SWING JOINT

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. MARLEX FITTINGS NOT ALLOWED
C. INSTALL CHECK VALVES AS REQUIRED

A Pop Up Rotor
Scale: 3"=1'-0"

1. AREA BEING IRRIGATED
2. SPRAY NOZZLE RADIUS THROW DISTANCE. DISTANCE - 1 FOOT PER MASTER IRRIGATION LEGEND. IE. IF THROW RADIUS IS SPECIFIED 8' AT 40 PSI. SPACE HEADS AT 7' TO ACCOUNT FOR WIND.
3. QUARTER PATTERN SPRAY BODY AND NOZZLE PER MASTER IRRIGATION LEGEND
4. HALF PATTERN SPRAY BODY AND NOZZLE PER MASTER IRRIGATION LEGEND
5. FULL PATTERN SPRAY BODY AND NOZZLE PER MASTER IRRIGATION LEGEND
6. VALVE PER MASTER IRRIGATION LEGEND

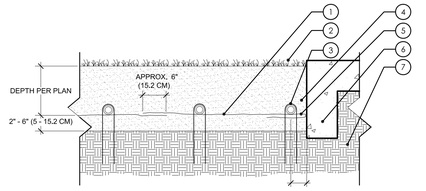
NOTES:
A. CONTRACTOR TO ADJUST PRESSURE SO THAT LAST NOZZLE ACHIEVES HEAD TO HEAD COVERAGE.



E Typical Head to Head Coverage Spray Nozzle Detail
Scale: 1/2"=1'-0"

1. ECO MAT PER PLAN
2. PLANTING AREA
3. STAKE INSTALLED APPROXIMATELY 8' ON CENTER OVER TUBING TYP.
4. AMENDED SOIL MEDIA
5. FOLD EXCESS FLEECE UNDER MAT ADJACENT TO HARDSCAPE EDGE
6. ADJACENT HARDSCAPE EDGE PER PLAN
7. NATIVE SOIL

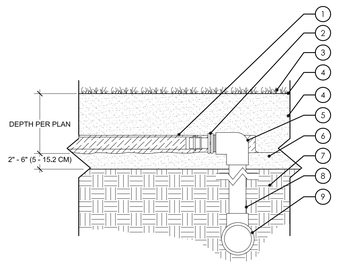
NOTES:
A. RECOMMENDED INSTALLATION DEPTH BY PLANT TYPE
-TURF AREAS 4"-8"
-GROUND COVER AREAS 6"-8"
-SHRUB AREA 12"



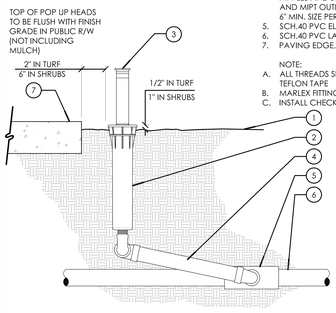
B Eco - Mat Section Adjacent to Hardscape
Scale: 2"=1'-0"

NOTES:
A. RECOMMENDED INSTALLATION DEPTH BY PLANT TYPE
- TURF AREAS 4'
- GROUND COVER AREAS 6"-8"
- SHRUB AREAS 12"
B. EXTEND MAT BEYOND RISER CONNECTION TO ENSURE ADEQUATE COVER IN IRRIGATE AREA

1. ECO MAT PER PLAN
2. PLD LOC FITTING
3. PLANTING AREA
4. FINISH GRADE
5. PVD ELBOW
6. AMENDED SOIL MEDIA
7. NATIVE SOIL
8. PVC RISER
9. PVC SUPPLY HEADER



C Eco - Mat - PVC Riser Connection
Scale: 2"=1'-0"



1. FINISH GRADE
2. IRRIGATION SPRAY BODY PER PLAN
3. IRRIGATION NOZZLE
4. TRIPLE SWING JOINT WITH SCH. 40 PVC NIPPLES AND STREET ELLS. MIPT INLET AND MIPT OUTLET - LAY LENGTH TO BE 6" MIN. SIZE PER SPRINKLER INLET
5. SCH.40 PVC ELBOW OR TEE
6. SCH.40 PVC LATERAL LINE
7. PAVING EDGE, HEADER OR WALL

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. MARLEX FITTINGS NOT ALLOWED
C. INSTALL CHECK VALVES AS REQUIRED

F Pop-Up Irrigation Head
Scale: 3"=1'-0"

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03/20/2026	DSA V3

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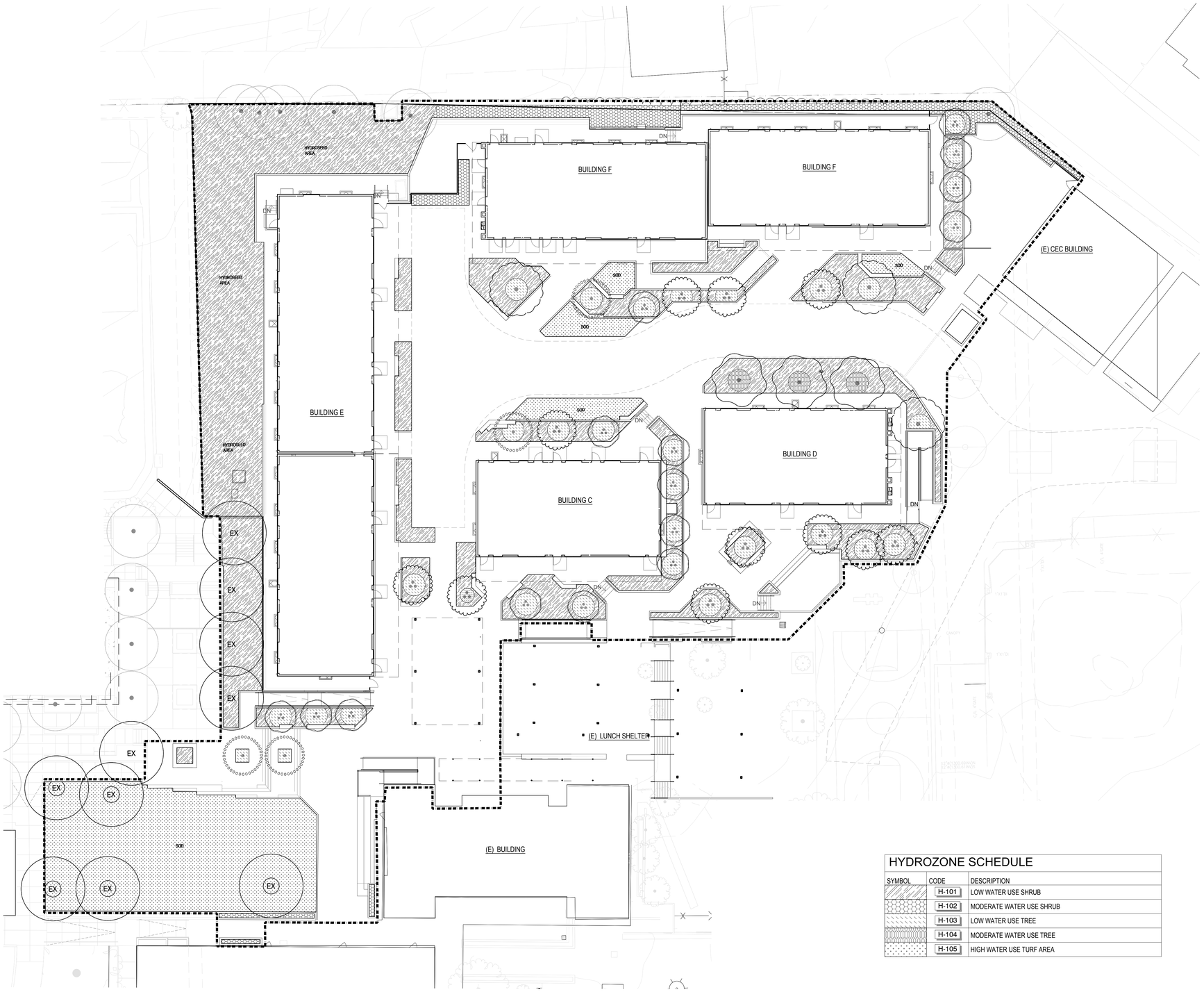
DRAWING TITLE

IRRIGATION DETAILS

5L4.11

SCALE

PLOT DATE 7/25/2025 9:23 AM



HYDROZONE SCHEDULE

SYMBOL	CODE	DESCRIPTION
	H-101	LOW WATER USE SHRUB
	H-102	MODERATE WATER USE SHRUB
	H-103	LOW WATER USE TREE
	H-104	MODERATE WATER USE TREE
	H-105	HIGH WATER USE TURF AREA

0 10 20 40

LANDSCAPE HYDROZONE PLAN 1" = 20' 1

NORTH

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135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1885

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LICENSED LANDSCAPE ARCHITECT
HONGJOO KIM NO. 5087
Signature
Renewal Date 12/31/26
Date 03/20/26
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

DRAWING TITLE

LANDSCAPE HYDROZONE PLAN

5L4.51

SCALE: AS INDICATED

PLOT DATE 7/25/2025 9:23 AM

PLANTING NOTES

1. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND BE FULLY OPERATIONAL. ALL PLANTING AREAS SHALL BE FULLY SOAKED.
2. MULCH ALL AREAS (EXCEPT TURF, SLOPES 2:1 AND GREATER, AND AS NOTED ON PLANS) WITH THREE INCH LAYER OF SPECIFIED MATERIAL.
3. TREE LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES ONLY AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT IN WRITING. PLANTING LAYOUT MUST BE APPROVED IN THE FIELD PRIOR TO EXCAVATION FOR PLANTING.
4. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
5. A ROOT BARRIER IS REQUIRED WHEN THE CENTER OF THE TRUNK OF THE TREE IS WITHIN SIX FEET OF ADJACENT PAVEMENT, WALLS, CURBS, BUILDING OR OTHER STRUCTURE.
6. REMOVE ALL NURSERY PLANT IDENTIFICATION TAGS AND RIBBONS AS PER LANDSCAPE ARCHITECT INSTRUCTIONS. THE LANDSCAPE ARCHITECT'S SEALS ARE TO REMAIN ON PLANTS UNTIL THE END OF THE WARRANTY PERIOD.
7. THE CONTRACTOR AGREES TO REPLACE POOR, INADEQUATE, DEFECTIVE MATERIALS AND DEFECTIVE PLANTS. THE LANDSCAPE ARCHITECT SHALL MAKE THE FINAL DETERMINATION IF PLANTS MEET THESE SPECIFICATIONS OR THAT PLANTS ARE DEFECTIVE. PLANTS WARRANTY SHALL BEGIN ON THE DATE OF SUBSTANTIAL COMPLETION ACCEPTANCE AND CONTINUE FOR THE FOLLOWING PERIODS, CLASSED BY PLANT TYPE: TREES - ONE YEAR, PALM TREES - TWO YEARS, SHRUBS - ONE YEAR, GROUND COVER AND PERENNIAL FLOWER PLANTS - ONE YEAR AND BULBS, ANNUAL FLOWER AND SEASONAL COLOR PLANTS - FOR THE PERIOD OF EXPECTED BLOOM OR PRIMARY DISPLAY.
8. CONTRACTOR SHALL MAINTAIN ALL PLANTINGS FOR A PERIOD OF NINETY (90) DAYS AFTER COMPLETION AND ACCEPTANCE BY LANDSCAPE ARCHITECT. ALL AREAS SHOULD BE KEPT CLEAN, WATERED, AND WEED-FREE.
9. PRIOR TO END OF MAINTENANCE PERIOD, LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE A FINAL WALK-THROUGH INSPECTION BY LANDSCAPE ARCHITECT. OWNER MUST ACCEPT ALL MAINTAINED AREAS IN WRITING PRIOR TO END OF MAINTENANCE PERIOD. OWNER SHALL BE RESPONSIBLE FOR FUTURE MAINTENANCE AFTER MAINTENANCE PERIOD AND FINAL WALK THROUGH.
10. SEE L5.20 FOR PLANTING DETAILS.

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
TREES					
	11	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	15	CERCIS OCCIDENTALIS WESTERN REDBUD MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	4	CHILOPSIS LINEARIS DESERT WILLOW	36" BOX	LOW	AS SHOWN
	6	EXISTING TREE -	-	-	
	3	GINKGO BILOBA 'AUTUMN GOLD' AUTUMN GOLD MAIDENHAIR TREE	48" BOX	MODERATE	AS SHOWN
	3	OLEA EUROPAEA `MONHER` MAJESTIC BEAUTY® FRUITLESS OLIVE	48" BOX	LOW	AS SHOWN

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
SHRUBS					
	55	ARCTOSTAPHYLOS X 'JOHN DOURLEY' JOHN DOURLEY MANZANITA	5 GAL.	LOW	AS SHOWN
	6	ARCTOSTAPHYLOS X 'PACIFIC MIST' PACIFIC MIST MANZANITA	5 GAL.	LOW	AS SHOWN
	59	ARISTIDA PURPUREA PURPLE THREEAWN	5 GAL.	LOW	AS SHOWN
	13	ARTEMISIA X 'POWIS CASTLE' POWIS CASTLE ARTEMISIA	5 GAL.	LOW	AS SHOWN
	257	BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION BLUE GRAMA	1 GAL.	LOW	AS SHOWN
	5	CALLISTEMON CITRINUS 'LITTLE JOHN' LEMON BOTTLEBRUSH MULTI-TRUNK	5 GAL.	LOW	AS SHOWN
	53	CAREX DIVULSA EUROPEAN GREY SEDGE	5 GAL.	LOW	AS SHOWN
	97	CAREX TUMULICOLA FOOTHILL SEDGE	1 GAL.	LOW	AS SHOWN
	51	CARISSA MACROCARPA 'BOXWOOD BEAUTY' BOXWOOD BEAUTY NATAL PLUM	5 GAL.	LOW	AS SHOWN
	6	CEANOTHUS GLORIOSUS 'ANCHOR BAY' ANCHOR BAY POINT REYES CEANOTHUS	5 GAL.	LOW	AS SHOWN
	1	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' YANKEE POINT CARMEL CREEPER	5 GAL.	LOW	AS SHOWN
	14	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	5 GAL.	LOW	AS SHOWN
	73	DIANELLA REVOLUTA 'DR5000' LITTLE REV™ FLAX LILY	5 GAL.	LOW	AS SHOWN
	51	DIANELLA TASMANICA 'SILVER STREAK' SILVER STREAK FLAX LILY	1 GAL.	MODERATE	AS SHOWN
	9	ERIOGONUM UMBELLATUM SULPHER BUCKWHEAT	1 GAL.	LOW	AS SHOWN
	19	FESTUCA CALIFORNICA CALIFORNIA FESCUE	1 GAL.	LOW	AS SHOWN
	4	FESTUCA X 'SISKIYOU BLUE' SISKIYOU BLUE FESCUE	5 GAL.	LOW	AS SHOWN
	4	HESPERALOE PARVIFLORA RED YUCCA	5 GAL.	LOW	AS SHOWN
	13	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	15 GAL.	MODERATE	AS SHOWN
	41	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	5 GAL.	MODERATE	AS SHOWN
	2	LOMANDRA LONGIFOLIA 'ROMA 13' PLATINUM BEAUTY® VARIEGATED MAT RUSH	1 GAL.	LOW	AS SHOWN
	6	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	1 GAL.	VERY LOW	AS SHOWN
	73	MUHLENBERGIA CAPILLARIS PINK MUHLY GRASS	5 GAL.	LOW	AS SHOWN
	70	MUHLENBERGIA RIGENS DEER GRASS	5 GAL.	LOW	AS SHOWN
	15	PITTOSPORUM TENUIFOLIUM 'SILVER SHEEN' SILVER SHEEN TAWHIWHI	5 GAL.	MODERATE	AS SHOWN
	9	PITTOSPORUM TOBIRA 'WHEELER'S DWARF' WHEELER'S DWARF PITTOSPORUM	5 GAL.	MODERATE	AS SHOWN
	3	ROSMARINUS OFFICINALIS ROSEMARY	5 GAL.	LOW	AS SHOWN
	7	ROSMARINUS OFFICINALIS 'TUSCAN BLUE' TUSCAN BLUE ROSEMARY	5 GAL.	LOW	AS SHOWN
	6	SALVIA APIANA COMPACTA COMPACT WHITE SAGE	1 GAL.	LOW	AS SHOWN
	1	SALVIA LEUCANTHA 'SANTA BARBARA' SANTA BARBARA MEXICAN BUSH SAGE	1 GAL.	LOW	AS SHOWN
	74	STIPA PULCHRA PURPLE NEEDLE GRASS	5 GAL.	VERY LOW	AS SHOWN
	8	TRACHELOSPERMUM JASMINOIDES STAR JASMINE TRELLIS	5 GAL.	MODERATE	AS SHOWN
	125	WESTRINGIA FRUTICOSA 'GREY BOX' GREY BOX WESTRINGIA	5 GAL.	LOW	AS SHOWN
	29	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL.	LOW	AS SHOWN
	7	WESTRINGIA FRUTICOSA 'NFL25' MUNDI™ COAST ROSEMARY	5 GAL.	LOW	AS SHOWN
	57	WESTRINGIA FRUTICOSA 'WES06' LOW HORIZON™ COAST ROSEMARY	5 GAL.	LOW	AS SHOWN
GROUND COVERS					
	730 SF	CYNODON DACTYLON 'SANTA ANA' SANTA ANA BERMUDAGRASS	SOD	HIGH	
	5,195 SF	NATIVE MIX HYDROSEED DROUGHT TOLERANT NATIVE MIX	HYDROSEED	LOW	
SOD/SEED					
	4,585 SF	FESTUCA ARUNDINACEA 'MARATHON II' MARATHON II FESCUE	HYDROSEED	HIGH	

NATIVE MIX HYDROSEED SPECIFICATIONS:

SUBMIT FOR REVIEW AND APPROVAL:

1. JUTE MESH COVER (AND ANCHORS) FOR EROSION CONTROL AND SEED ESTABLISHMENT.
2. SEED MIX AS PRESCRIBED BY SEED COMPANY BASED ON SLOPES AND SOIL NUTRIENT TEST RESULTS AT HILLSIDE. BASIS OF DESIGN MIX:
   - 2.1. ACMISPON GLABER, 20%
   - 2.2. ARTEMISIA CALIFORNICA, 1%
   - 2.3. BAILEYA MULTIRADIATA, 3%
   - 2.4. ERIOPHYLLUM CONFERTIFLORUM, 6%
   - 2.5. ESCHSCHOLZIA CALIFORNICA MEXICANA, 3%
   - 2.6. FESTUCA MICROSTACHYS, 45%
   - 2.7. LASTHENIA CALIFORNICA, 3%
   - 2.8. LUPINUS SPARSIFLORUS, 8%
   - 2.9. MIMULUS AURANTIACUS, 1%
   - 2.10. SALVIA APIANA, 10%
3. ADDITIONAL MATERIALS: PROMATRIX BFM, HYDROPOST PREMIUM COMPOST, BIOSOL FORTE 7-2-1 ORGANIC FERTILIZER, AM 120 MYCORRIHZAL INOCULUM, TRI-C SOLUBLE HUMATE.

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

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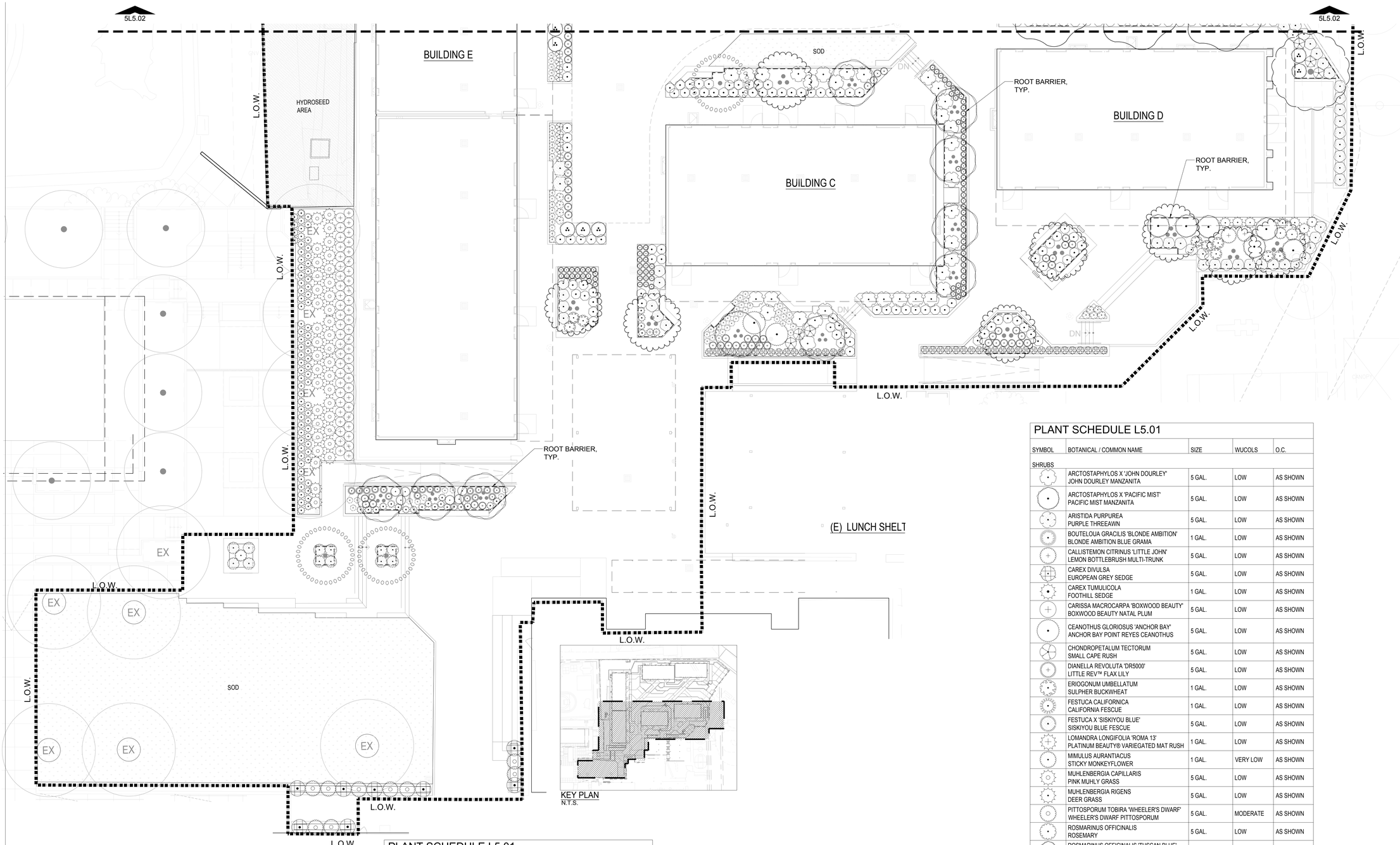
DRAWING TITLE

PLANTING NOTES AND SCHEDULE

5L5.00

SCALE: AS INDICATED

PLOT DATE 7/25/2025 9:23 AM



PLANT SCHEDULE L5.01

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
SHRUBS				
	ARCTOSTAPHYLOS X 'JOHN DOURLEY' JOHN DOURLEY MANZANITA	5 GAL.	LOW	AS SHOWN
	ARCTOSTAPHYLOS X 'PACIFIC MIST' PACIFIC MIST MANZANITA	5 GAL.	LOW	AS SHOWN
	ARISTIDA PURPUREA PURPLE THREEAWN	5 GAL.	LOW	AS SHOWN
	BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION BLUE GRAMA	1 GAL.	LOW	AS SHOWN
	CALLISTEMON CITRINUS 'LITTLE JOHN' LEMON BOTTLEBRUSH MULTI-TRUNK	5 GAL.	LOW	AS SHOWN
	CAREX DIVULSA EUROPEAN GREY SEDGE	5 GAL.	LOW	AS SHOWN
	CAREX TUMULICOLA FOOTHILL SEDGE	1 GAL.	LOW	AS SHOWN
	CARISSA MACROCARPA 'BOXWOOD BEAUTY' BOXWOOD BEAUTY NATAL PLUM	5 GAL.	LOW	AS SHOWN
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	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	5 GAL.	LOW	AS SHOWN
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	ERIOGONUM UMBELLATUM SULPHER BUCKWHEAT	1 GAL.	LOW	AS SHOWN
	FESTUCA CALIFORNICA CALIFORNIA FESCUE	1 GAL.	LOW	AS SHOWN
	FESTUCA X 'SISKIYOU BLUE' SISKIYOU BLUE FESCUE	5 GAL.	LOW	AS SHOWN
	LOMANDRA LONGIFOLIA 'ROMA 13' PLATINUM BEAUTY® VARIEGATED MAT RUSH	1 GAL.	LOW	AS SHOWN
	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	1 GAL.	VERY LOW	AS SHOWN
	MUHLENBERGIA CAPILLARIS PINK MUHLY GRASS	5 GAL.	LOW	AS SHOWN
	MUHLENBERGIA RIGENS DEER GRASS	5 GAL.	LOW	AS SHOWN
	PITTOSPORUM TOBIRA 'WHEELER'S DWARF' WHEELER'S DWARF PITTOSPORUM	5 GAL.	MODERATE	AS SHOWN
	ROSMARINUS OFFICINALIS ROSEMARY	5 GAL.	LOW	AS SHOWN
	ROSMARINUS OFFICINALIS 'TUSCAN BLUE' TUSCAN BLUE ROSEMARY	5 GAL.	LOW	AS SHOWN
	SALVIA APIANA COMPACTA COMPACT WHITE SAGE	1 GAL.	LOW	AS SHOWN
	SALVIA LEUCANTHA 'SANTA BARBARA' SANTA BARBARA MEXICAN BUSH SAGE	1 GAL.	LOW	AS SHOWN
	STIPA PULCHRA PURPLE NEEDLE GRASS	5 GAL.	VERY LOW	AS SHOWN
	TRACHELOSPERMUM JASMINOIDES STAR JASMINE TRELLIS	5 GAL.	MODERATE	AS SHOWN
	WESTRINGIA FRUTICOSA 'GREY BOX' GREY BOX WESTRINGIA	5 GAL.	LOW	AS SHOWN
	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL.	LOW	AS SHOWN
	WESTRINGIA FRUTICOSA 'NFL25' MUNDI™ COAST ROSEMARY	5 GAL.	LOW	AS SHOWN
	WESTRINGIA FRUTICOSA 'WES06' LOW HORIZON™ COAST ROSEMARY	5 GAL.	LOW	AS SHOWN

PLANT SCHEDULE L5.01

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
TREES				
	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	CERCIS OCCIDENTALIS WESTERN REDBUD MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	CHILOPSIS LINEARIS DESERT WILLOW	36" BOX	LOW	AS SHOWN
	OLEA EUROPAEA 'MONHER' MAJESTIC BEAUTY® FRUITLESS OLIVE	48" BOX	LOW	AS SHOWN

GROUND COVERS			
	CYNODON DACTYLON 'SANTA ANA' SANTA ANA BERMUDAGRASS	SOD	HIGH
	NATIVE MIX HYDROSEED DROUGHT TOLERANT NATIVE MIX	HYDROSEED	LOW
SOD/SEED			
	FESTUCA ARUNDINACEA 'MARATHON II' MARATHON II FESCUE	HYDROSEED	HIGH

GENERAL NOTES:
A. REFER TO SHEET 5L5.20 FOR PLANTING DETAILS.

PLANTING PLAN 1" = 10' 1

0 5 10 20

NORTH

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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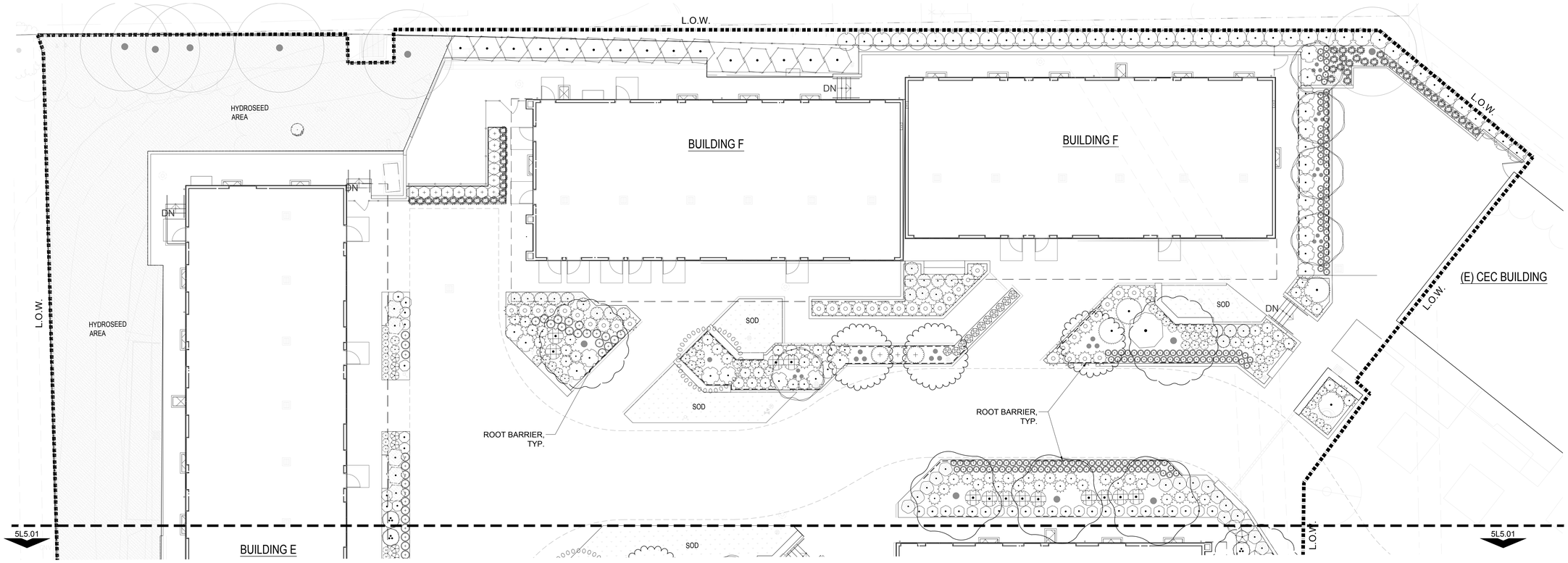
PLANTING PLAN

5L5.01

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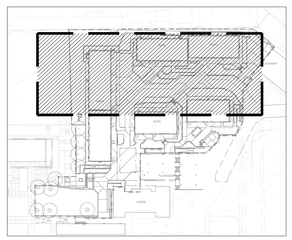
PLANT SCHEDULE L5.02

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
TREES				
	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	CERCIS OCCIDENTALIS WESTERN REDBUD MULTI-TRUNK	36" BOX	LOW	AS SHOWN
	CHILOPSIS LINEARIS DESERT WILLOW	36" BOX	LOW	AS SHOWN
	EXISTING TREE -	-	-	
	GINKGO BILOBA 'AUTUMN GOLD' AUTUMN GOLD MAIDENHAIR TREE	48" BOX	MODERATE	AS SHOWN
	OLEA EUROPAEA `MONHER` MAJESTIC BEAUTY® FRUITLESS OLIVE	48" BOX	LOW	AS SHOWN

PLANT SCHEDULE L5.02

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	O.C.
SHRUBS				
	ARCTOSTAPHYLOS X 'JOHN DOURLEY' JOHN DOURLEY MANZANITA	5 GAL.	LOW	AS SHOWN
	ARISTIDA PURPUREA PURPLE THREEAWN	5 GAL.	LOW	AS SHOWN
	ARTEMISIA X 'POWIS CASTLE' POWIS CASTLE ARTEMISIA	5 GAL.	LOW	AS SHOWN
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	CALLISTEMON CITRINUS 'LITTLE JOHN' LEMON BOTTLEBRUSH MULTI-TRUNK	5 GAL.	LOW	AS SHOWN
	CAREX DIVULSA EUROPEAN GREY SEDGE	5 GAL.	LOW	AS SHOWN
	CEANOTHUS GLORIOSUS 'ANCHOR BAY' ANCHOR BAY POINT REYES CEANOTHUS	5 GAL.	LOW	AS SHOWN
	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' YANKEE POINT CARMEL CREEPER	5 GAL.	LOW	AS SHOWN
	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	5 GAL.	LOW	AS SHOWN
	DIANELLA REVOLUTA 'DR5000' LITTLE REV™ FLAX LILY	5 GAL.	LOW	AS SHOWN
	DIANELLA TASMANICA 'SILVER STREAK' SILVER STREAK FLAX LILY	1 GAL.	MODERATE	AS SHOWN
	HESPERALOE PARVIFLORA RED YUCCA	5 GAL.	LOW	AS SHOWN
	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	15 GAL.	MODERATE	AS SHOWN
	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	5 GAL.	MODERATE	AS SHOWN
	MUHLENBERGIA CAPILLARIS PINK MUHLY GRASS	5 GAL.	LOW	AS SHOWN
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GROUND COVERS				
	CYNODON DACTYLON 'SANTA ANA' SANTA ANA BERMUDAGRASS	SOD	HIGH	
	NATIVE MIX HYDROSEED DROUGHT TOLERANT NATIVE MIX	HYDROSEED	LOW	

KEY PLAN



N.T.S.

GENERAL NOTES:
A. REFER TO SHEET 5L5.20 FOR PLANTING DETAILS.

0 5 10 20

PLANTING PLAN - UPPER COURTYARD 1" = 10' 1

NORTH

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03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

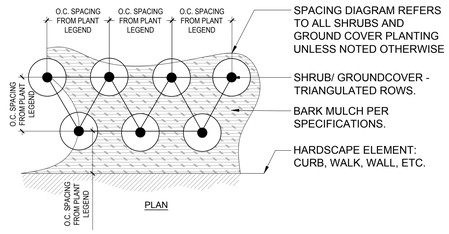
DRAWING TITLE

PLANTING PLAN

5L5.02

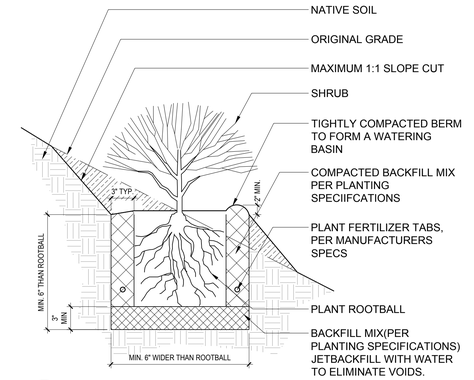
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PLOT DATE 7/25/2025 9:23 AM



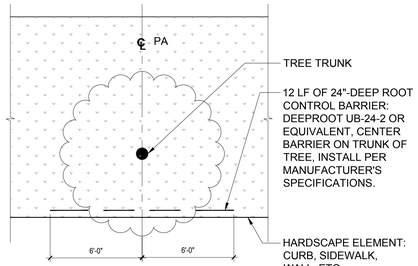
6 SHRUB AND GROUNDCOVER SPACING

1/2" = 1'-0" P-PCE5-98



3 SHRUB ON SLOPE

1 1/2" = 1'-0" P-PCE5-95

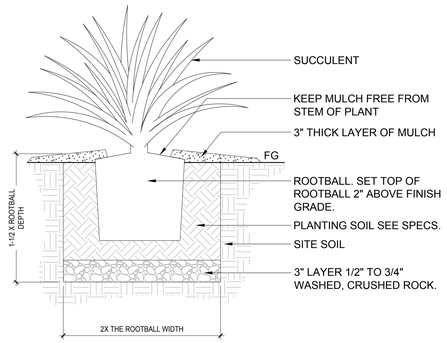


NOTE:

1. MIN. 10' LONG ROOT BARRIER TO BE ADDED AT THE EDGE OF HARDSCAPE IF DISTANCE BETWEEN TRUNK AND HARDSCAPE EDGE TO BE LESS THAN 6 FEET.
2. WHEN TREE IS LOCATED WITHIN 10' OF BUILDING FOUNDATION, ROOT BARRIER IS TO BE 12 LF OF 36"- DEEP ROOT CONTROL BARRIER.

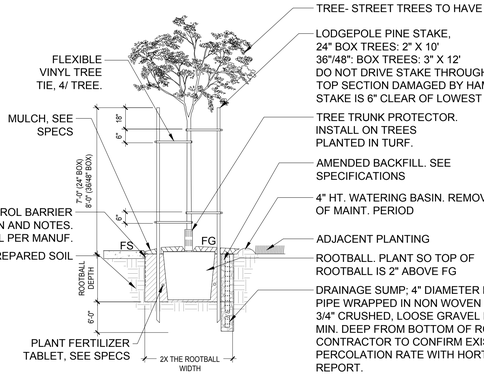
8 ROOT BARRIER

1/4" = 1'-0" P-PCE5-15



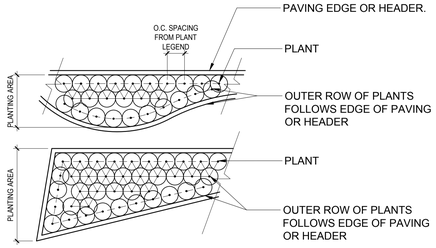
5 SUCCULENT PLANTING

3/4" = 1'-0" P-PCE5-10



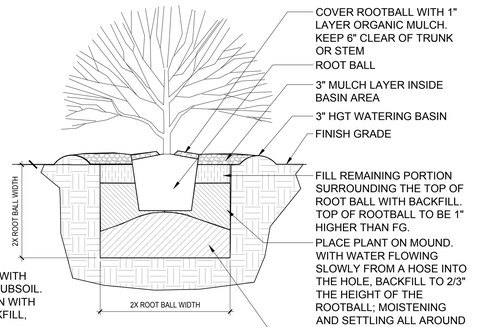
2 TREE PLANTING WITH DOUBLE STAKES

3/8" = 1'-0" P-PCE5-94



7 IRREGULAR SHRUB AND GROUNDCOVER SPACING

3/16" = 1'-0" P-PCE5-97

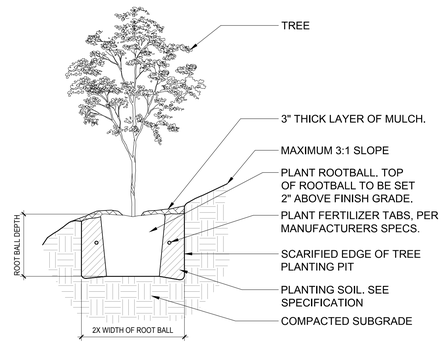


NOTE:

1. PRIOR TO ANY BACKFILLING, FILL PLANTING HOLE WITH WATER AND ALLOW TO PERCOLATE (DRAIN) INTO SUBSOIL.
2. AFTER PLANTING, WATER THOROUGHLY, FILL BASIN WITH WATER AND SPRINKLING AROUND TO SETTLE BACKFILL, MULCH AND BERM
3. ALLOW TO SOAK IN AND REPEAT.

4 SHRUB PLANTING

1/2" = 1'-0" P-PCE5-96



1 TREE PLANTING AT SLOPE

1/2" = 1'-0" P-PCE5-93

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DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1885

HKLA

LICENSED LANDSCAPE ARCHITECT
HONGJOO KIM NO. 5087
Signature
12/31/26
Renewal Date
03/20/26
Date
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN: 05-31-27
STATE OF CALIFORNIA

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08/06/2025	DSA V1
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03/20/2026	DSA V3

REVISION DATE	DESCRIPTION

DRAWING TITLE

PLANTING DETAILS

5L5.20

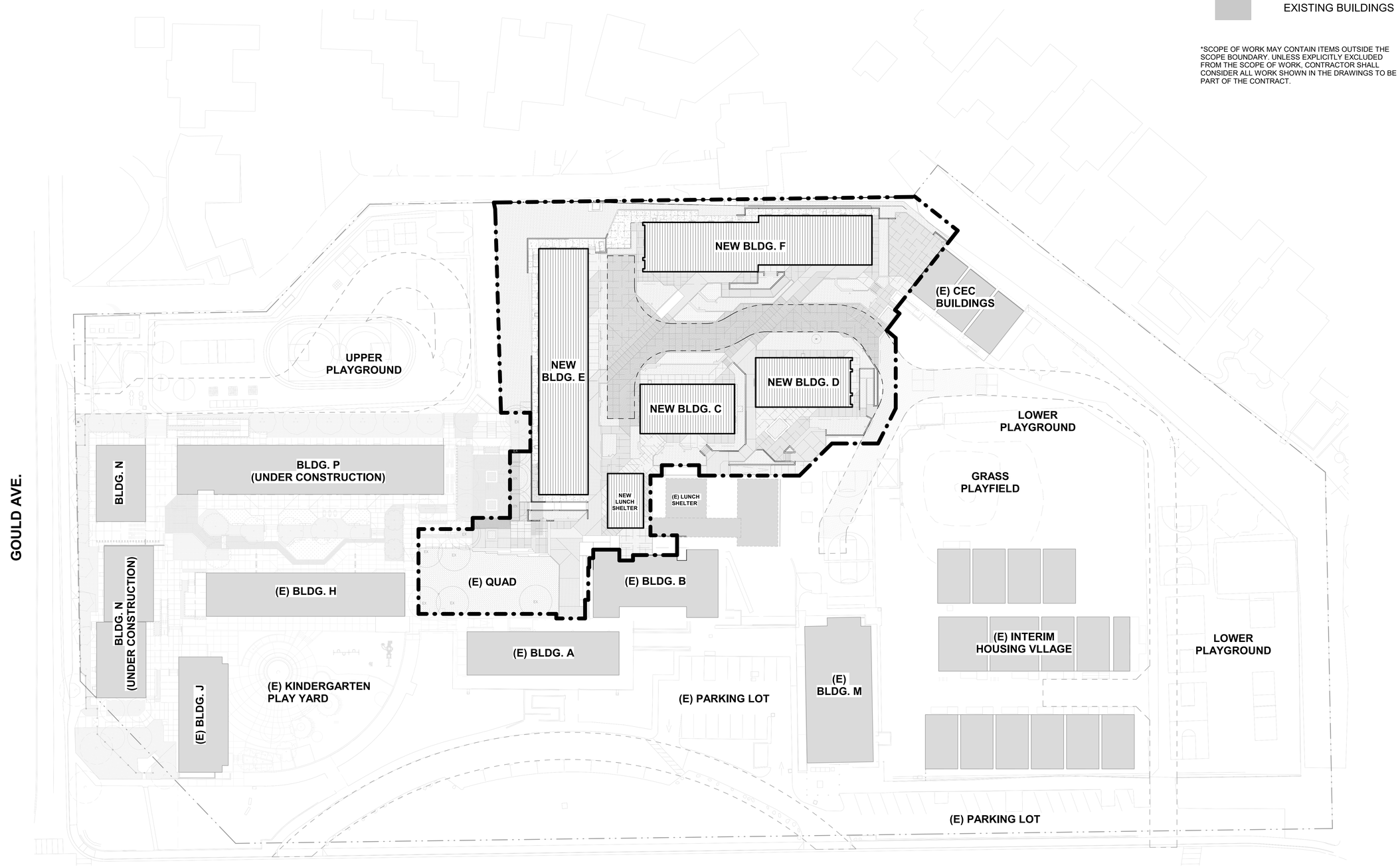
SCALE: AS INDICATED

PLOT DATE 7/25/2025 9:23 AM

LEGEND

- PROPERTY LINE
- *PACKAGE 5 SCOPE BOUNDARY
- NEW CONSTRUCTION
- EXISTING BUILDINGS

*SCOPE OF WORK MAY CONTAIN ITEMS OUTSIDE THE SCOPE BOUNDARY. UNLESS EXPLICITLY EXCLUDED FROM THE SCOPE OF WORK, CONTRACTOR SHALL CONSIDER ALL WORK SHOWN IN THE DRAWINGS TO BE PART OF THE CONTRACT.



1 SITE PLAN
1" = 30'-0"

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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

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03/20/2026	DSA V3

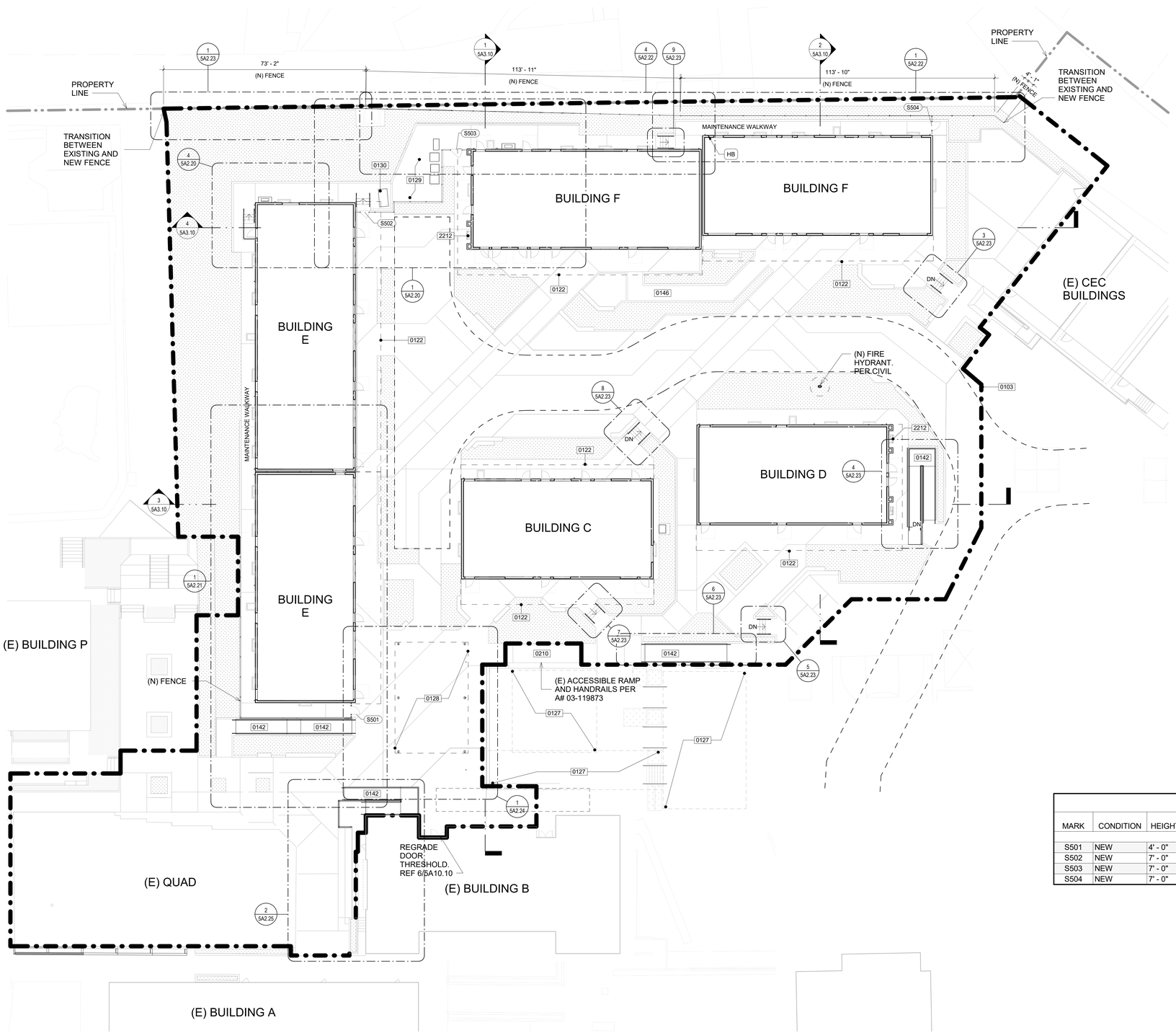
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

SITE PLAN

5A1.01

SCALE: AS INDICATED



1 5A1.02 - SITE ELEMENTS
1/16" = 1'-0"

NORTH

KEYNOTE LEGEND

0103	LIMIT OF WORK LINE
0122	LINE OF ROOF ABOVE
0127	EXISTING LUNCH SHELTER OVERHANG
0128	NEW LUNCH SHLETER OVERHANG
0129	NEW UTILITY YARD. SEE ELECTRICAL DRAWINGS.
0130	EXISTING STORM DRAIN INLET, SEE CIVIL DRAWINGS.
0142	NEW ACCESSIBLE RAMP SEE LANDSCAPE & CIVIL DRAWINGS. HANDRAILS PER ARCHITECTURE DRAWINGS (REF. 5A10.10).
0146	NEW ACCESSIBLE SLOPED WALK SEE LANDSCAPE & CIVIL DRAWINGS.
0210	EXISTING RAMP AND HANDRAILS. PROTECT IN PLACE.
2212	ACCESSIBLE HI-LO DRINKING FOUNTAIN PER MOD. BLDG. MFR. DWGS.

LEGEND

A-123 DOOR TAGS 0123 KEYNOTES

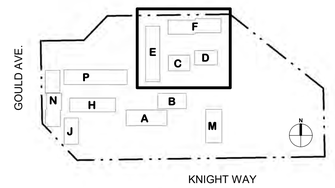
MATERIALS & FINISH

STL	STEEL
PC	POWDER COAT

SITE GATE SCHEDULE

MARK	CONDITION	HEIGHT	WIDTH	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE	DETAIL
S501	NEW	4' - 0"	3' - 0"	STL	PC	STL	PC	BY GATE FABRICATOR	6/5A10.11
S502	NEW	7' - 0"	3' - 0"	STL	PC	STL	PC	BY GATE FABRICATOR	3/5A10.11
S503	NEW	7' - 0"	4' - 0"	STL	PC	STL	PC	BY GATE FABRICATOR	3/5A10.11
S504	NEW	7' - 0"	3' - 0"	STL	PC	STL	PC	BY GATE FABRICATOR	3/5A10.11

KEY PLAN



SCALE: 1/16" = 1'-0"
0' 8' 16' 32'

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1805

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY R. DRAKE NO. C-014889 REN. 05-31-27 STATE OF CALIFORNIA

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03/20/2026	DSA V3

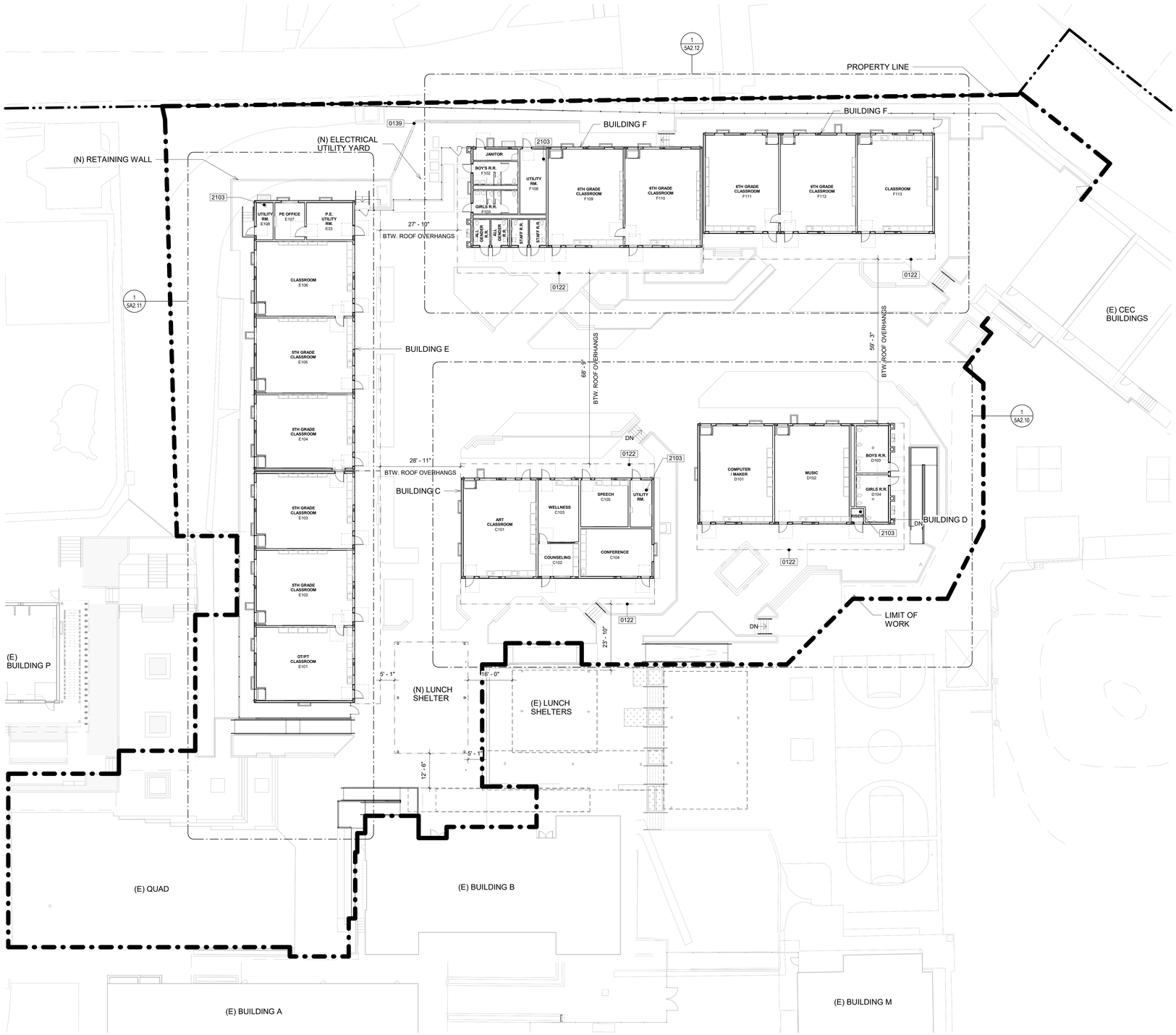
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

SITE ELEMENTS

5A1.02

SCALE: AS INDICATED



1 5A2.01 - OVERALL FLOOR PLAN - (N) 1316.8
1/16" = 1'-0"

NORTH

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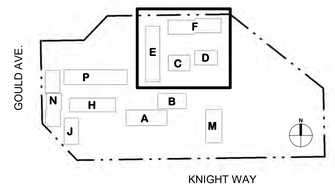
KEYNOTE LEGEND

0122	LINE OF ROOF ABOVE
0139	EXISTING RETAINING WALL
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
4. AT NEW DOOR OPENINGS, LOCATE DOOR 4" MINIMUM FROM ADJACENT WALL, ULESS OTHERWISE NOTED.
5. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
6. ALL FURNITURE SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED WITHIN THE SCOPE OF WORK.
7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF. 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13
9. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
10. 2" THICK NON-STRUCTURAL CONCRETE SLURRY UNDER BUILDING TO BE PROVIDED BY SITE CONTRACTOR PER MODULAR BUILDING MANUFACTURER STRUCTURAL DRAWINGS.
11. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



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

0' 8' 16' 32'

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LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY H. DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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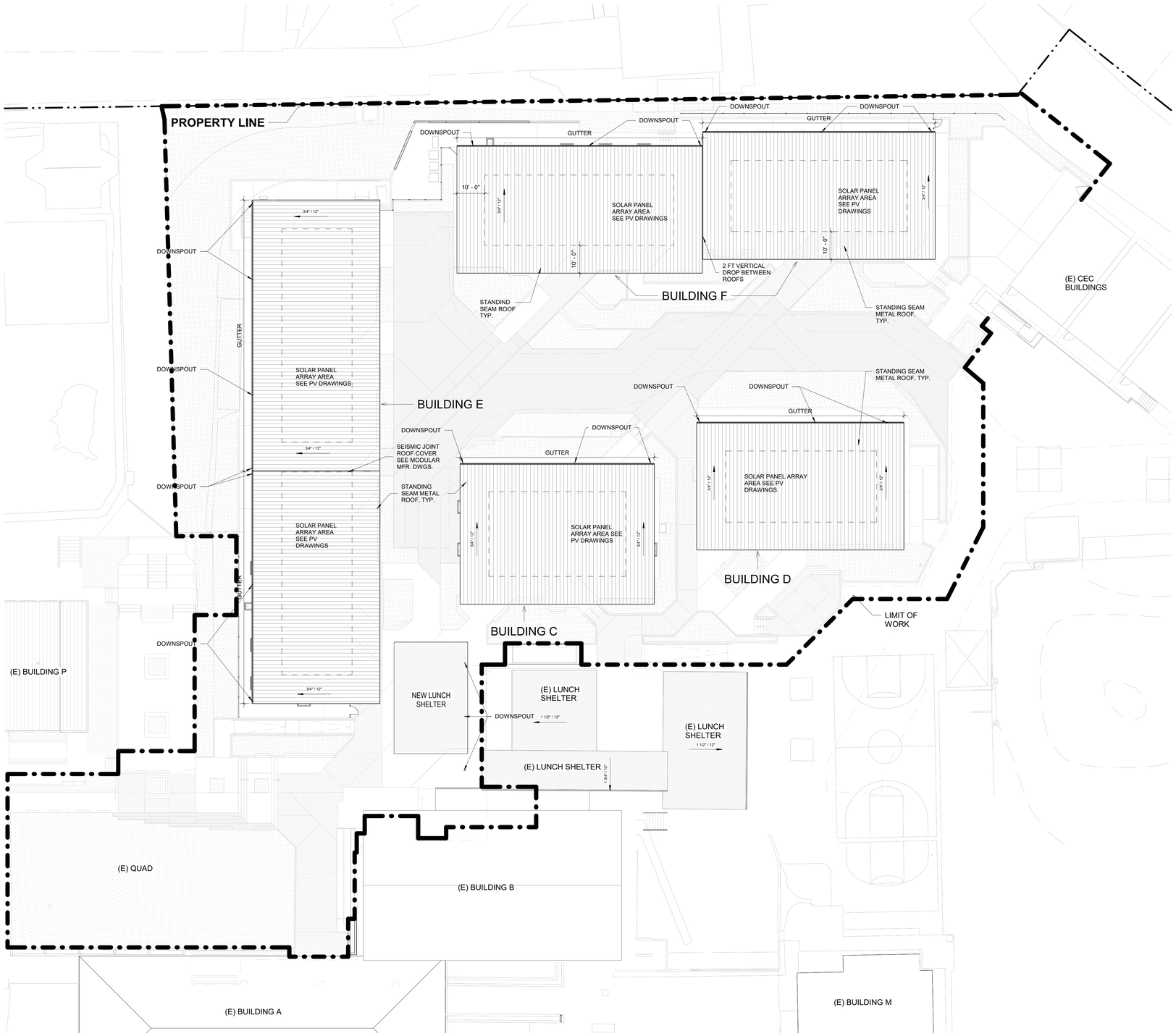
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

OVERALL FLOOR PLAN - (N) BUILDINGS C/D/E/F

5A2.01

SCALE: AS INDICATED



1 5A2.02 - OVERALL ROOF PLAN
1/16" = 1'-0"

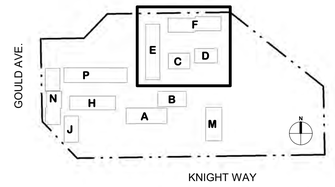
NORTH

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GENERAL NOTES

1. ENSURE THE PROVISION OF SUFFICIENT FALL PROTECTION EQUIPMENT ON ALL ROOFTOPS.
2. MAINTAIN A 10 FT SETBACK CLEARANCE FROM ALL ROOF EDGES.
3. AVOID POSITIONING SOLAR PANELS ABOVE RESTROOM MODULES.
4. ALL ROOFS ARE TO BE STANDING SEAM METAL ROOFS UNLESS OTHERWISE NOTED.
5. DEPICTION OF 45° X 90° PHOTOVOLTAIC SOLAR PANELS IS FOR REFERENCE ONLY.
6. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
7. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



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

0' 8' 16' 32'

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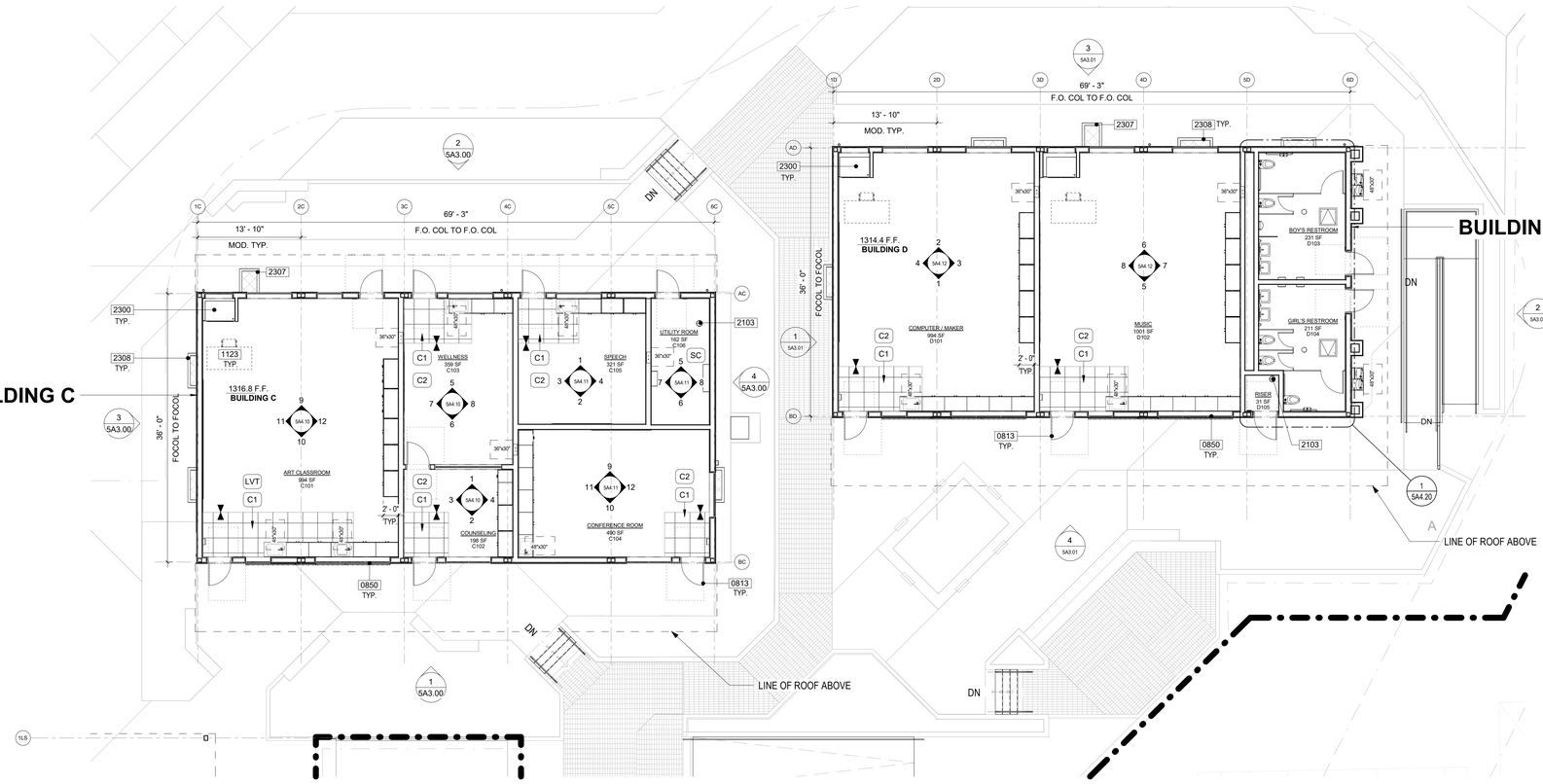
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

OVERALL ROOF PLAN - (N) BUILDINGS C/D/E/F

5A2.02

SCALE: AS INDICATED



1 (N) BUILDING C AND D
1/8" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

0813	DOOR. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR DOOR TYPES, DOOR FRAMES AND HARDWARE (REF N3.0)
0850	WINDOW. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR WINDOW TYPES AND WINDOW BLINDS (REF N3.0)
1123	TEACHER'S DESK
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2307	24" X 36" ACCESS VENT, SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS. (REF. 1/S1.5)
2308	12" X 48" FOUNDATION VENT, SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS. (REF. 2 & 2A/S1.4) LOCATION TO BE COORDINATED IN FIELD BASED ON FINAL GRADE CONDITIONS. VERIFY IF VENT IS TO BE LOCATED AT ADJACENT GRADE OR WITHIN EXPOSED STEM WALL.

FLOORING FINISH SCHEDULE

C1	WALK OFF CARPET - MANUFACTURER: TARKETT STYLE: ABRASSIVE ACTION II 02578, COLOR: MIDNIGHT BLUE
C2	CARPET TILE - MANUFACTURER: TARKETT STYLE: GUARDIAN NXT II, COLOR: DEEP SKY
T1	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: WATERFALL, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
T2	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: SPA, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
SC	SEALED CONCRETE
LVT	VINYL FLOORING - MANUFACTURER: MANNINGTON BURKE STYLE: COLORSPEC - SMOOTH RUBBER TILE, COLOR: RAIN CLOUD (162)
	CHANGE IN FLOOR FINISH REF 5/5A10.10

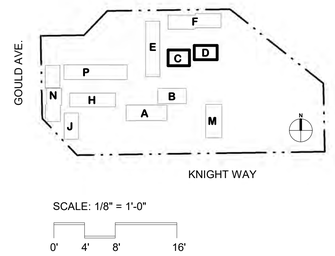
NOTE:

1. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
2. ALL INTERIOR FLOORING TO BE PROVIDED BY MODULAR BUILDING MANUFACTURER.

GENERAL NOTES

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7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF. 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13.
9. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
10. 2" THICK NON-STRUCTURAL CONCRETE SLURRY UNDER BUILDING TO BE PROVIDED BY SITE CONTRACTOR PER MODULAR BUILDING MANUFACTURER STRUCTURAL DRAWINGS.
11. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



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

0' 4' 8' 16'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN: 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

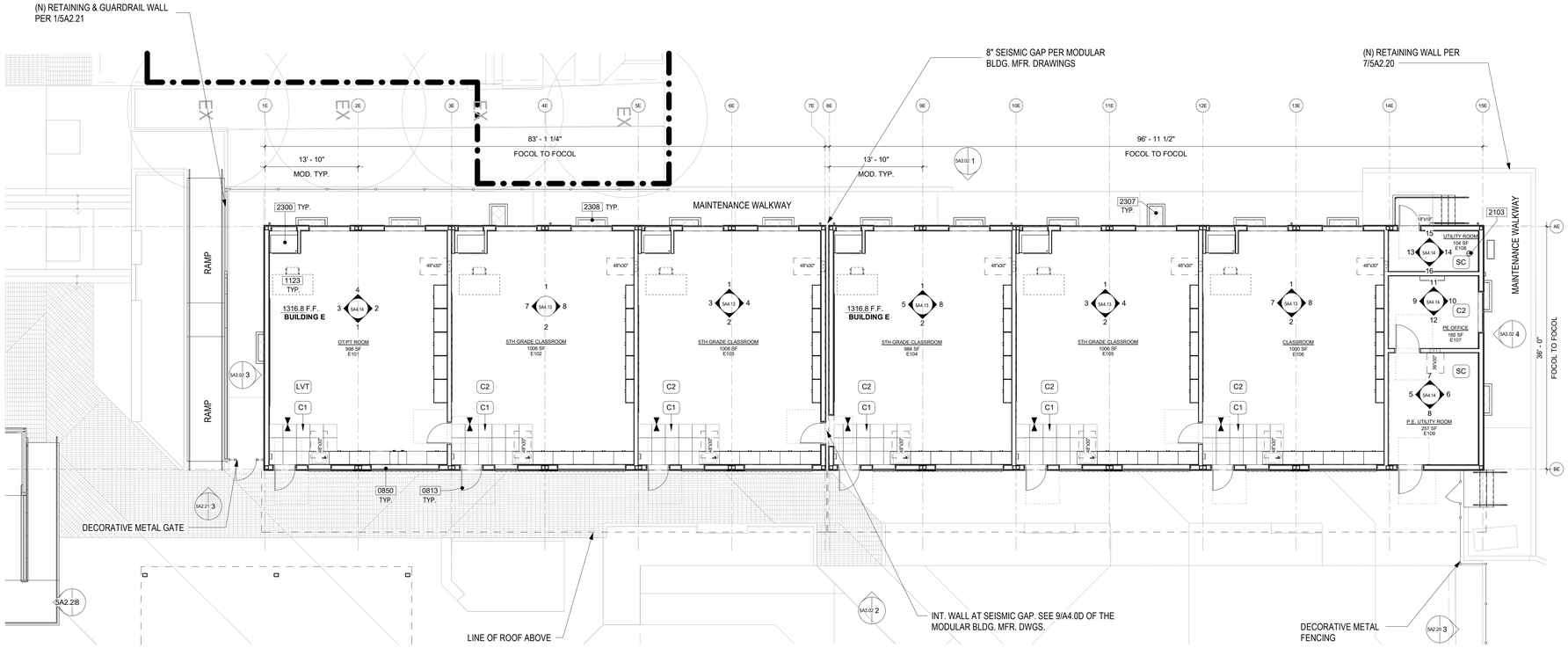
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

ENLARGED FLOOR PLANS - (N) BUILDINGS C & D

5A2.10

SCALE: AS INDICATED



1 (N) BUILDING E
1/8" = 1'-0"

KEYNOTE LEGEND

0813	DOOR. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR DOOR TYPES, DOOR FRAMES AND HARDWARE (REF N3.0)
0850	WINDOW. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR WINDOW TYPES AND WINDOW BLINDS (REF N3.0)
1123	TEACHER'S DESK
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2307	24" X 36" ACCESS VENT, SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS. (REF. 1/S1.5)
2308	12" X 48" FOUNDATION VENT, SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS. (REF. 2 & 2A/S1.4) LOCATION TO BE COORDINATED IN FIELD BASED ON FINAL GRADE CONDITIONS. VERIFY IF VENT IS TO BE LOCATED AT ADJACENT GRADE OR WITHIN EXPOSED STEM WALL.

FLOORING FINISH SCHEDULE

C1	WALK OFF CARPET - MANUFACTURER: TARKETT STYLE: ABRASSIVE ACTION II 02578, COLOR: MIDNIGHT BLUE
C2	CARPET TILE - MANUFACTURER: TARKETT STYLE: GUARDIAN NXT II, COLOR: DEEP SKY
T1	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: WATERFALL, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
T2	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: SPA, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
SC	SEALED CONCRETE
LVT	VINYL FLOORING - MANUFACTURER: MANNINGTON BURKE STYLE: COLORSPEC - SMOOTH RUBBER TILE, COLOR: RAIN CLOUD (162)
	CHANGE IN FLOOR FINISH REF 5/5A10.10

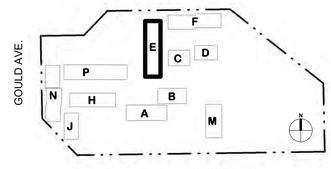
NOTE:

1. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
2. ALL INTERIOR FLOORING TO BE PROVIDED BY MODULAR BUILDING MANUFACTURER.

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
4. AT NEW DOOR OPENINGS, LOCATE DOOR 4" MINIMUM FROM ADJACENT WALL, ULESS OTHERWISE NOTED.
5. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
6. ALL FURNITURE SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED WITHIN THE SCOPE OF WORK.
7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF: 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13.
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KEY PLAN



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

0' 4' 8' 16'

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HARRY R. DRAKE
NO. C-014889
REN. 05-31-27
STATE OF CALIFORNIA

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#	REVISION DATE	DESCRIPTION

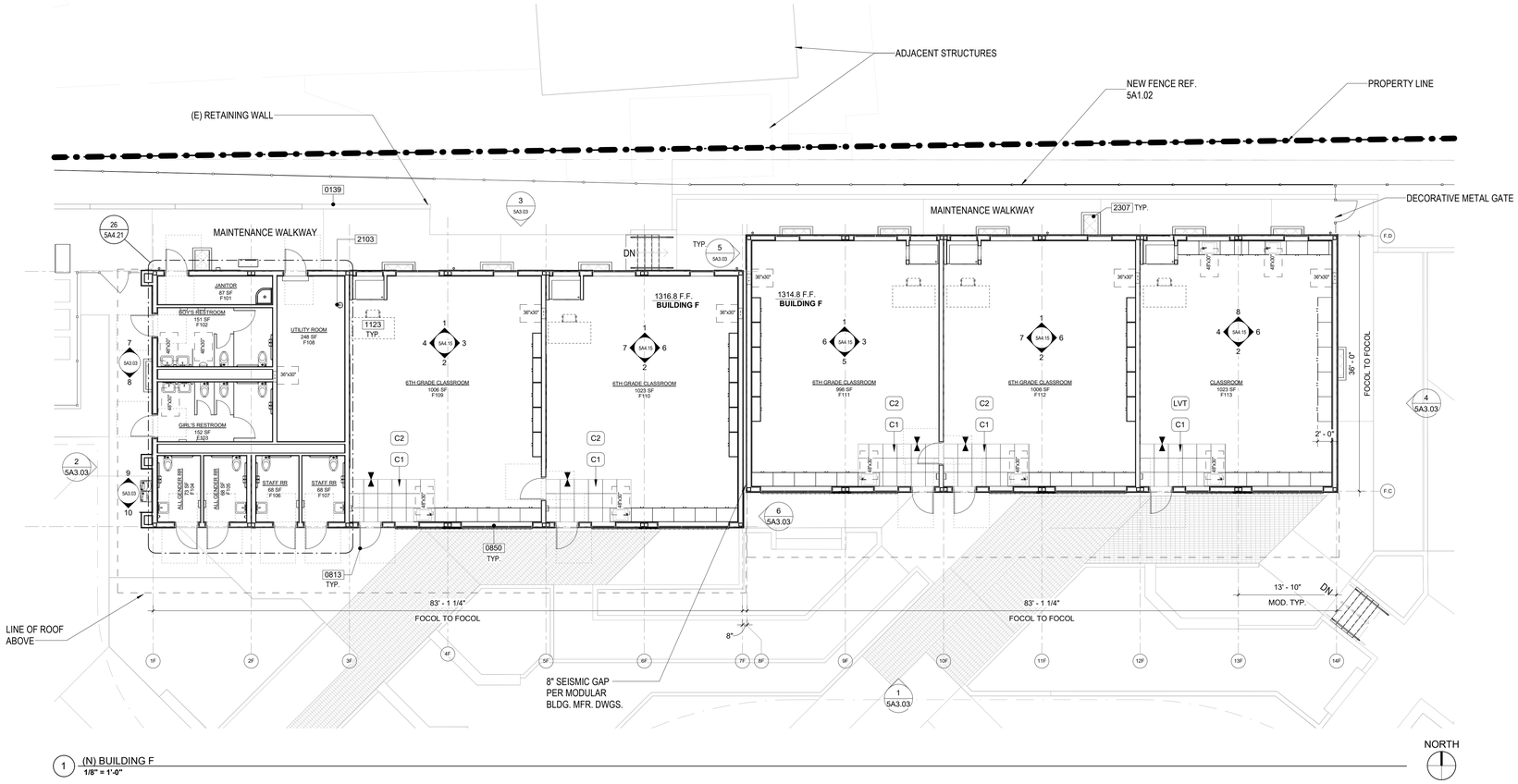
DRAWING TITLE

ENLARGED FLOOR PLAN - (N) BUILDING E

5A2.11

SCALE: AS INDICATED

If this sheet is smaller than 30" high by 42" wide then it has been reduced.



1 (N) BUILDING F
1/8" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

0139	EXISTING RETAINING WALL
0813	DOOR. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR DOOR TYPES, DOOR FRAMES AND HARDWARE (REF N3.0)
0850	WINDOW. SEE MODULAR BUILDING MANUFACTURER DRAWINGS FOR WINDOW TYPES AND WINDOW BLINDS (REF N3.0)
1123	TEACHER'S DESK
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2307	24" X 36" ACCESS VENT, SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS. (REF. 1/S1.5)

FLOORING FINISH SCHEDULE

C1	WALK OFF CARPET - MANUFACTURER: TARKETT STYLE: ABRASSIVE ACTION II 02578, COLOR: MIDNIGHT BLUE
C2	CARPET TILE - MANUFACTURER: TARKETT STYLE: GUARDIAN NXT II, COLOR: DEEP SKY
T1	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: WATERFALL, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
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SC	SEALED CONCRETE
LVT	VINYL FLOORING - MANUFACTURER: MANNINGTON BURKE STYLE: COLORSPEC - SMOOTH RUBBER TILE, COLOR: RAIN CLOUD (162)
	CHANGE IN FLOOR FINISH REF 5/5A10.10

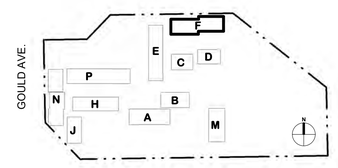
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KEY PLAN



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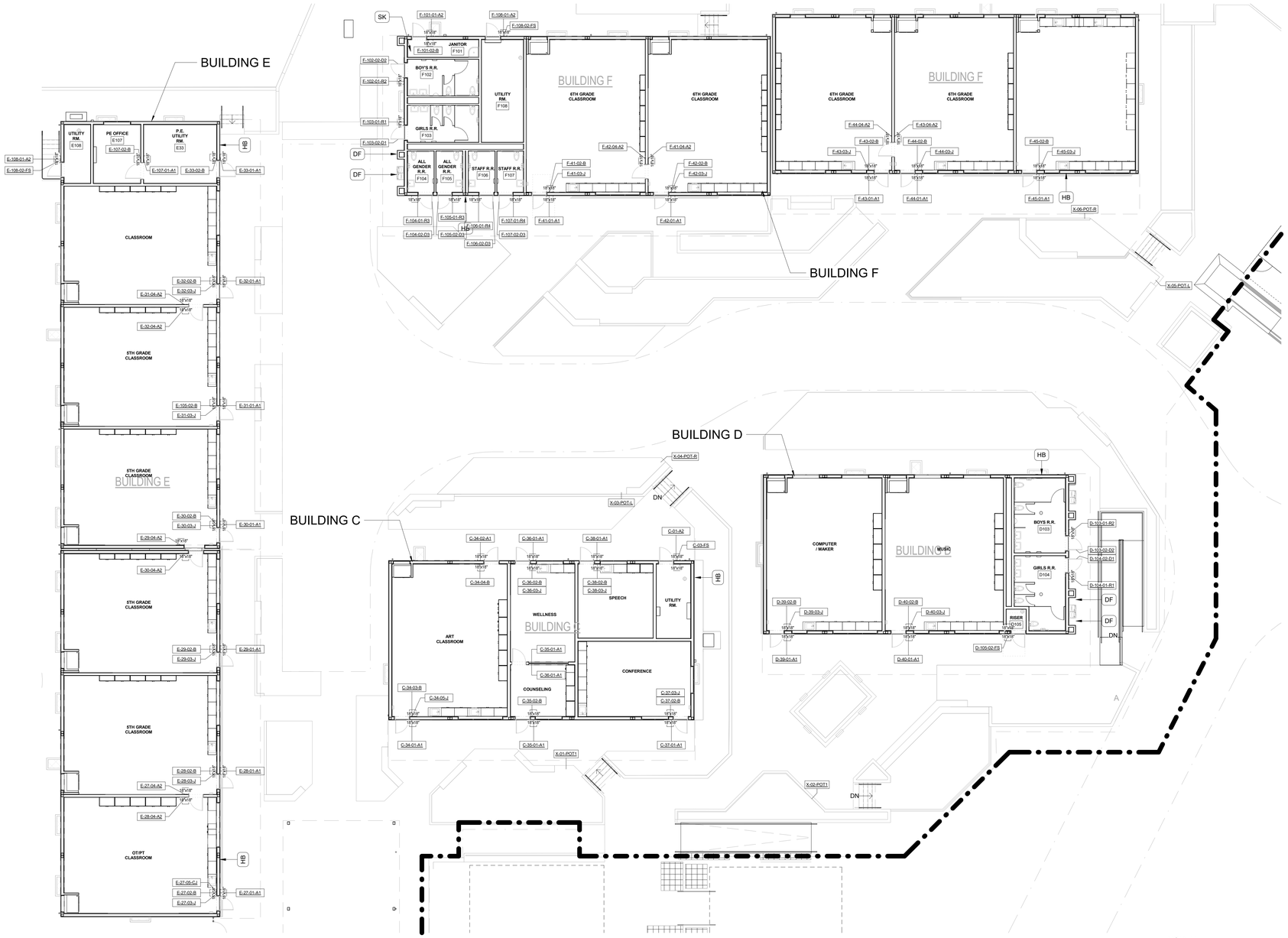
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

ENLARGED FLOOR PLAN - (N) BUILDING F

5A2.12

SCALE: AS INDICATED



1 SIGNAGE PLAN
3/32" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

PKG 5 - SIGNAGE SCHEDULE

MARK	TYP.	SIGN TEXT LINE 1	SIGN TEXT LINE 2	SIGN DETAIL REFERENCE	MOUNTING LOCATION	BRAILLE
C-01	A2	UTILITY ROOM	N/A	1/5A10.01	EXTERIOR BRICK WALL	YES
C-03	FS	(SEE DETAIL)	(SEE DETAIL)	7/5A10.01	EXTERIOR BRICK WALL	YES
C-34-01	A1	ART CLASSROOM	C34	1/5A10.01	EXTERIOR BRICK WALL	YES
C-34-02	A1	ART CLASSROOM	C34	1/5A10.01	EXTERIOR BRICK WALL	YES
C-34-03	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-34-04	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-34-05	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
C-35-01	A1	COUNSELING	C35	1/5A10.01	EXTERIOR BRICK WALL	YES
C-35-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-36-01	A1	WELLNESS	C36	1/5A10.01	EXTERIOR BRICK WALL	YES
C-36-01	A1	WELLNESS	C36	1/5A10.01	EXTERIOR BRICK WALL	YES
C-36-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-36-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	YES
C-37-01	A1	CONFERENCE	C37	1/5A10.01	EXTERIOR BRICK WALL	YES
C-37-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-37-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	YES
C-38-01	A1	SPEECH	C38	1/5A10.01	EXTERIOR BRICK WALL	YES
C-38-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
C-38-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	YES
D-39-01	A1	COMPUTER LAB	D39	1/5A10.01	EXTERIOR BRICK WALL	YES
D-39-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
D-39-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
D-40-01	A1	MUSIC	D40	1/5A10.01	EXTERIOR BRICK WALL	YES
D-40-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
D-40-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
D-103-01	R2	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
D-103-02	D2	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
D-104-01	R1	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
D-104-02	D1	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
D-105-02	FS	(SEE DETAIL)	(SEE DETAIL)	7/5A10.01	EXTERIOR BRICK WALL	YES
E-27-01	A1	FLEX CLASSROOM	E27	1/5A10.01	EXTERIOR BRICK WALL	YES
E-27-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-27-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
E-27-04	A2	FLEX CLASSROOM	E27	1/5A10.01	INTERIOR WALL	YES

PKG 5 - SIGNAGE SCHEDULE

MARK	TYP.	SIGN TEXT LINE 1	SIGN TEXT LINE 2	SIGN DETAIL REFERENCE	MOUNTING LOCATION	BRAILLE
E-27-05	CJ	(SEE DETAIL)	(SEE DETAIL)	12/5A10.01		
E-28-01	A1	CLASSROOM	E28	1/5A10.01	EXTERIOR BRICK WALL	YES
E-28-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-28-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
E-28-04	A2	CLASSROOM	E28	1/5A10.01	INTERIOR WALL	YES
E-29-01	A1	CLASSROOM	E29	1/5A10.01	EXTERIOR BRICK WALL	YES
E-29-01	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-29-01	A2	CLASSROOM	E29	1/5A10.01	INTERIOR WALL	YES
E-30-01	A1	CLASSROOM	E30	1/5A10.01	EXTERIOR BRICK WALL	YES
E-30-01	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-30-01	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
E-30-01	A2	CLASSROOM	E30	1/5A10.01	INTERIOR WALL	YES
E-31-01	A1	CLASSROOM	E31	1/5A10.01	EXTERIOR BRICK WALL	YES
E-31-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-31-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
E-31-04	A2	CLASSROOM	E31	1/5A10.01	INTERIOR WALL	YES
E-32-01	A1	CLASSROOM	E32	1/5A10.01	EXTERIOR BRICK WALL	YES
E-32-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-32-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
E-32-04	A2	CLASSROOM	E32	1/5A10.01	INTERIOR WALL	YES
E-33-01	A1	P.E. OFFICE & UTILITY ROOM	E109	1/5A10.01	EXTERIOR BRICK WALL	YES
E-33-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-107-01	A1	P.E. OFFICE	E107	1/5A10.01	INTERIOR WALL	YES
E-107-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
E-108-01	A2	UTILITY ROOM	E108	1/5A10.01	EXTERIOR BRICK WALL	YES
E-108-02	FS	(SEE DETAIL)	(SEE DETAIL)	7/5A10.01	EXTERIOR BRICK WALL	YES
E-2901	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-41-01	A1	CLASSROOM	F41	1/5A10.01	EXTERIOR BRICK WALL	YES
F-41-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
F-41-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-41-04	A2	CLASSROOM	F41	1/5A10.01	INTERIOR WALL	YES
F-42-01	A1	CLASSROOM	F42	1/5A10.01	EXTERIOR BRICK WALL	YES
F-42-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES

PKG 5 - SIGNAGE SCHEDULE

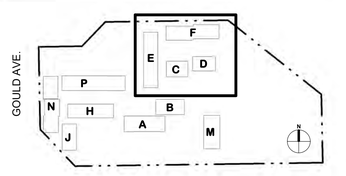
MARK	TYP.	SIGN TEXT LINE 1	SIGN TEXT LINE 2	SIGN DETAIL REFERENCE	MOUNTING LOCATION	BRAILLE
F-42-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-42-04	A2	CLASSROOM	F42	1/5A10.01	INTERIOR WALL	YES
F-43-01	A1	CLASSROOM	F43	1/5A10.01	EXTERIOR BRICK WALL	YES
F-43-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
F-43-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-43-04	A2	CLASSROOM	F43	1/5A10.01	INTERIOR WALL	YES
F-44-01	A1	CLASSROOM	F44	1/5A10.01	EXTERIOR BRICK WALL	YES
F-44-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
F-44-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-44-04	A2	FLEX / SCIENCE CLASSROOM	F44	1/5A10.01	INTERIOR WALL	YES
F-45-01	A1	FLEX / SCIENCE CLASSROOM	F45	1/5A10.01	EXTERIOR BRICK WALL	YES
F-45-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
F-45-03	J	(SEE DETAIL)	(SEE DETAIL)	5/5A10.01	INTERIOR WALL	NO
F-101-01	A2	JANITOR	F101	1/5A10.01	EXTERIOR BRICK WALL	YES
F-101-02	B	EXIT	N/A	2/5A10.01	INTERIOR WALL	YES
F-102-01	R2	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-102-02	D2	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-103-01	R1	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-103-02	D2	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-104-01	R3	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-104-02	D3	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-105-01	R3	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-105-02	D3	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-106-01	R4	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-106-02	D3	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-107-01	R4	(SEE DETAIL)	(SEE DETAIL)	4/5A10.01	EXTERIOR BRICK WALL	YES
F-107-02	D3	(SEE DETAIL)	(SEE DETAIL)	3/5A10.01	DOOR	YES
F-108-01	A2	UTILITY ROOM	F108	1/5A10.01	EXTERIOR BRICK WALL	YES
F-108-02	FS	(SEE DETAIL)	(SEE DETAIL)	7/5A10.01	EXTERIOR BRICK WALL	YES
X-01	POT1	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO
X-02	POT1	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO
X-03	POT2	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO
X-04	POT1	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO
X-05	POT2	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO
X-06	POT1	(SEE DETAIL)	(SEE DETAIL)	10/5A10.01	EXTERIOR POST	NO

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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

KEY PLAN



PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

DRAWING TITLE

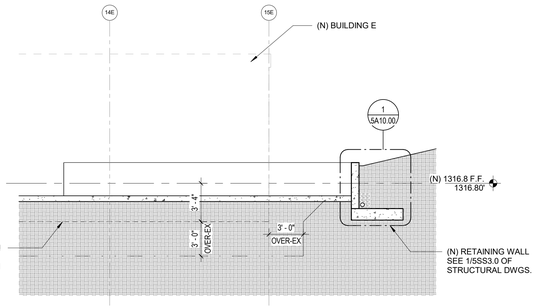
SIGNAGE PLAN

5A2.13

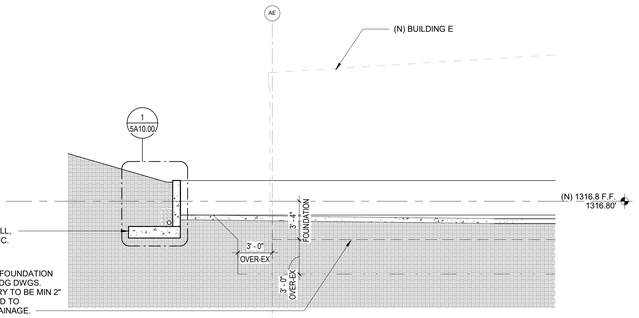
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GENERAL NOTES

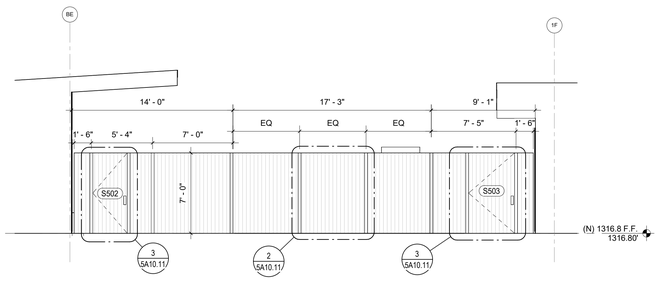
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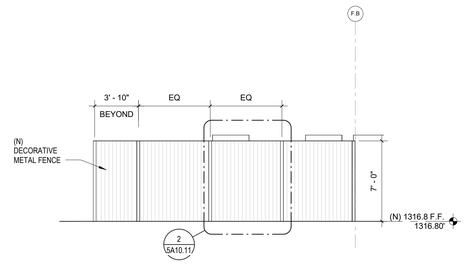
9 ELEV (N) NW RET. WALL - WEST
3/16" = 1'-0"



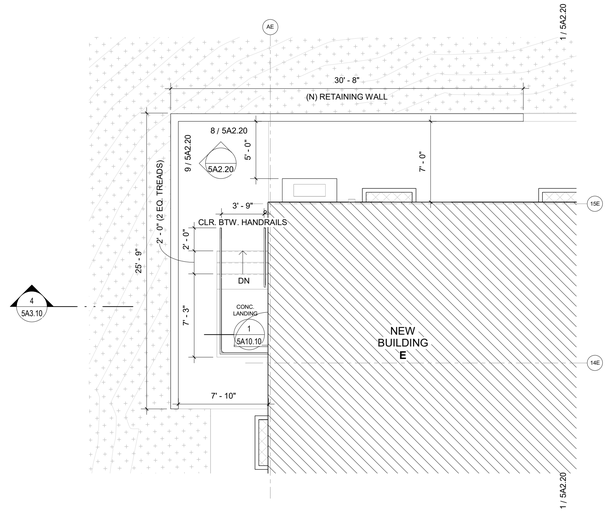
8 ELEV (N) NW RET. WALL - NORTH
3/16" = 1'-0"



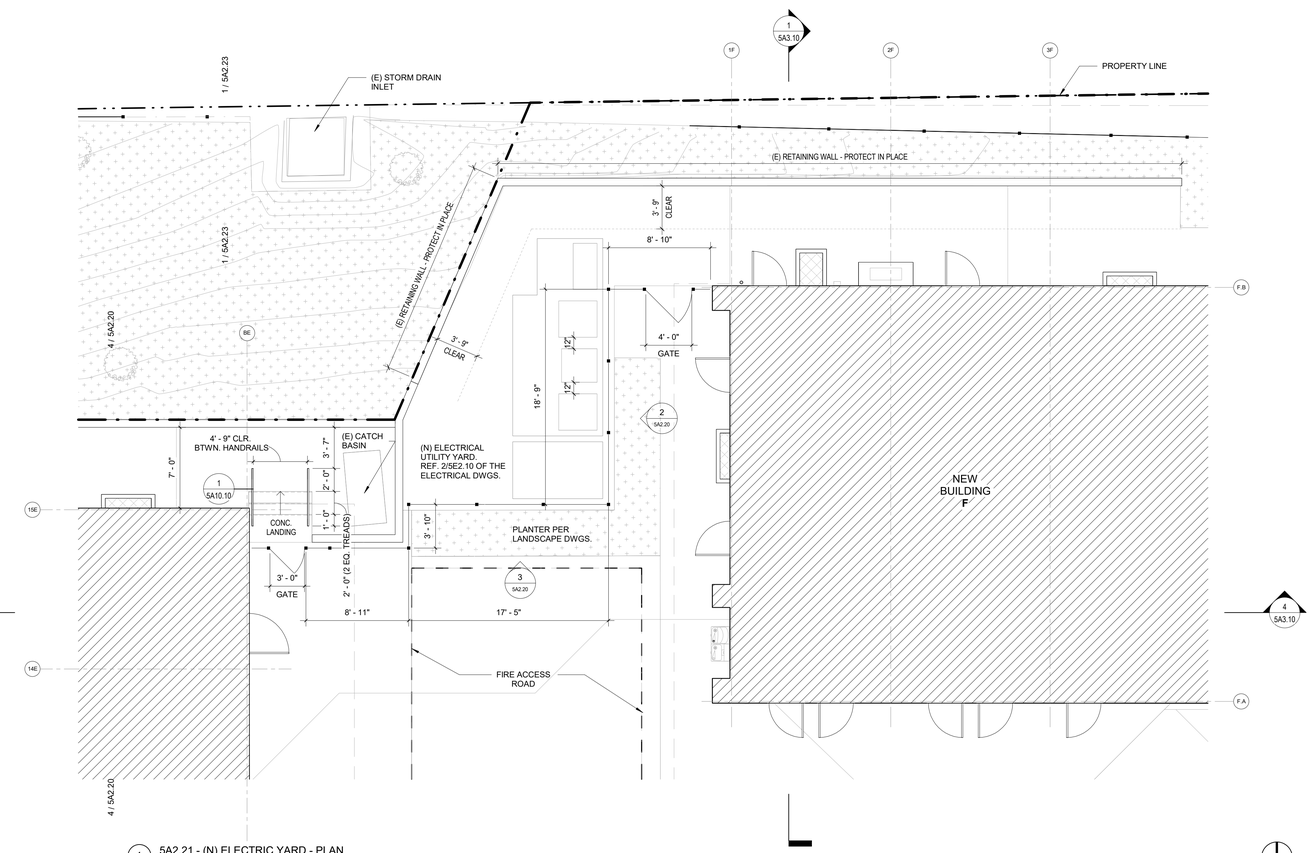
3 (N) ELECTRIC YARD FENCE EAST
3/16" = 1'-0"



2 (N) ELECTRIC YARD FENCE WEST
3/16" = 1'-0"



4 (N) NW RETAINING WALL - PLAN
3/16" = 1'-0"



1 5A2.21 - (N) ELECTRIC YARD - PLAN
3/16" = 1'-0"

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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1865

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN: 05-31-27
STATE OF CALIFORNIA

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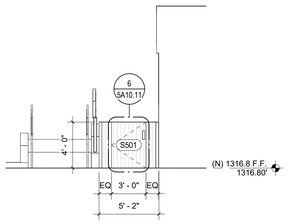
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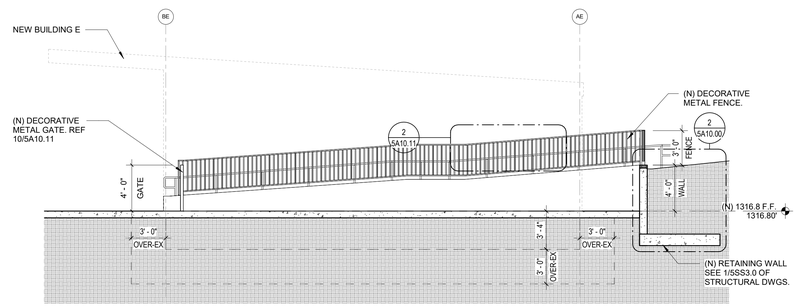
ENLARGED SITE ELEMENTS

5A2.20

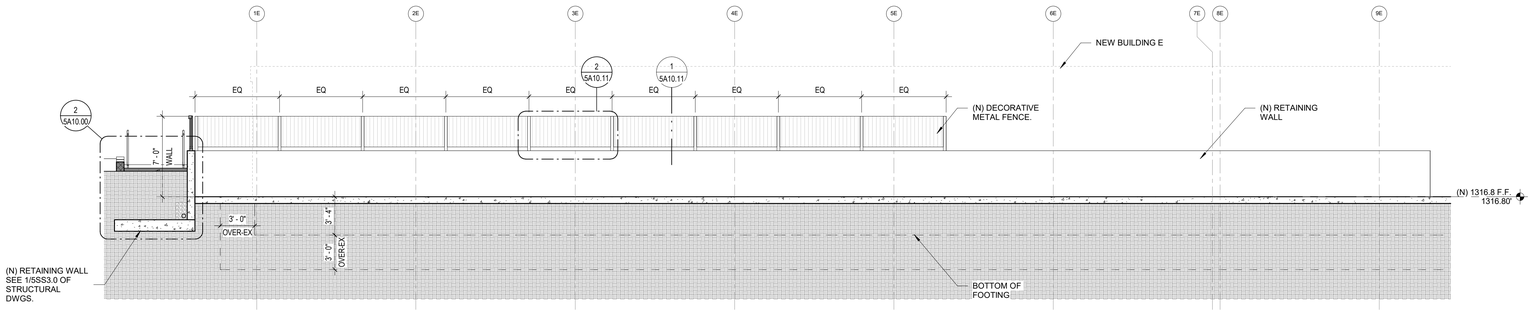
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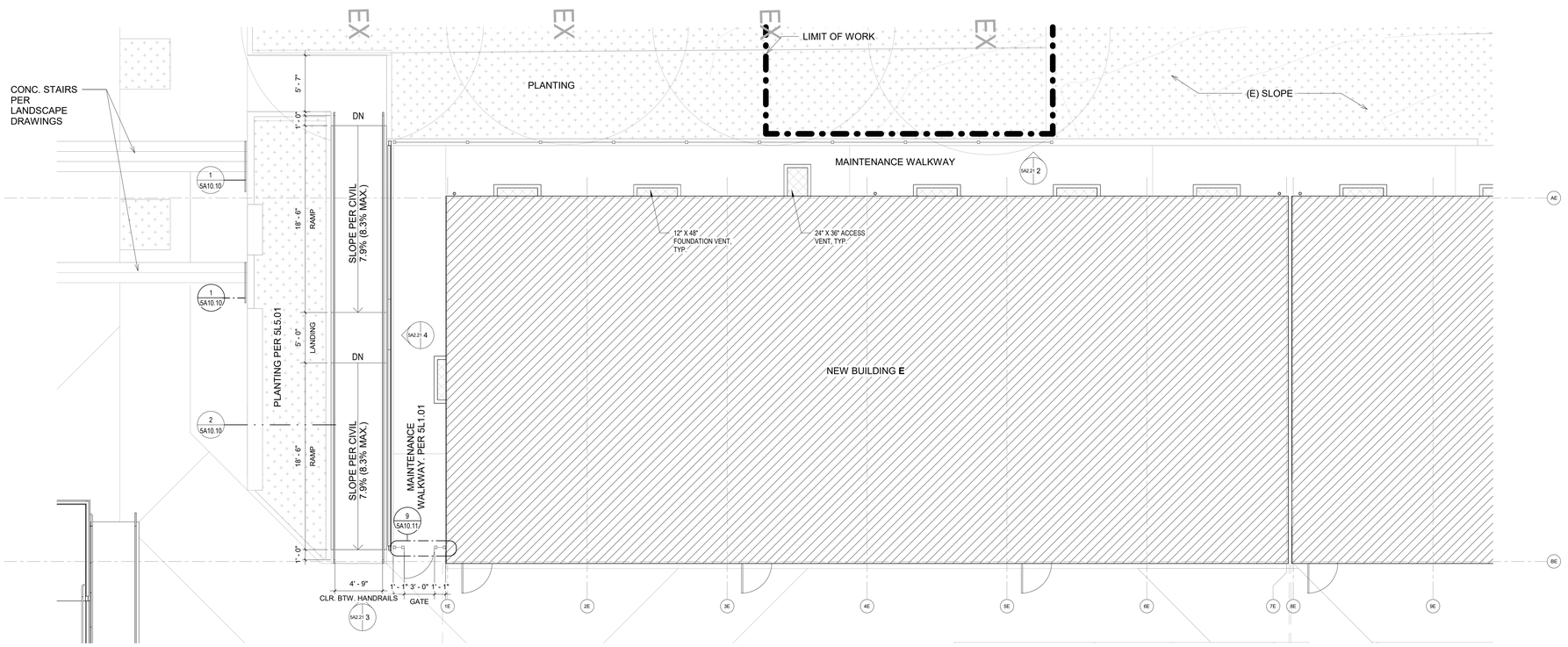
3 (N) GATE @ BLDG E - WEST
3/16" = 1'-0"



4 ELEV (N) SW RET. WALL - SOUTH
3/16" = 1'-0"



2 ELEV (N) SW RET. WALL - WEST
3/16" = 1'-0"



1 (N) SW RETAIING WALL - PLAN
3/16" = 1'-0"

NORTH

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

GENERAL NOTES

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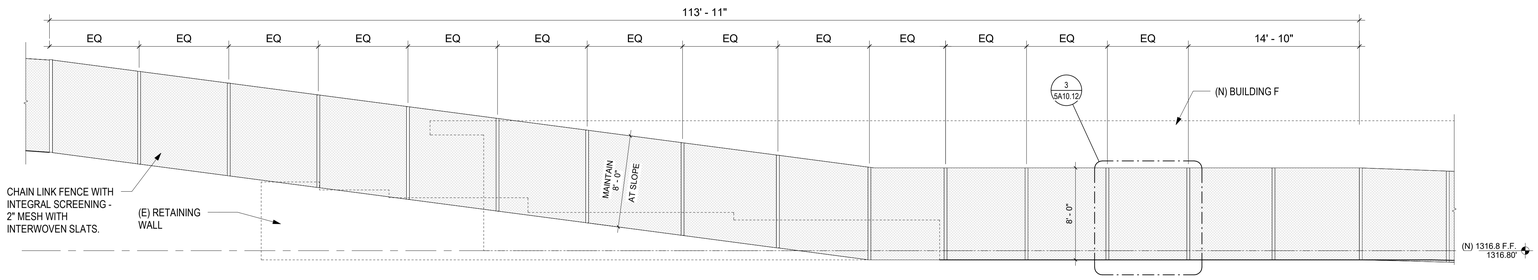
ENLARGED SITE ELEMENTS

5A2.21

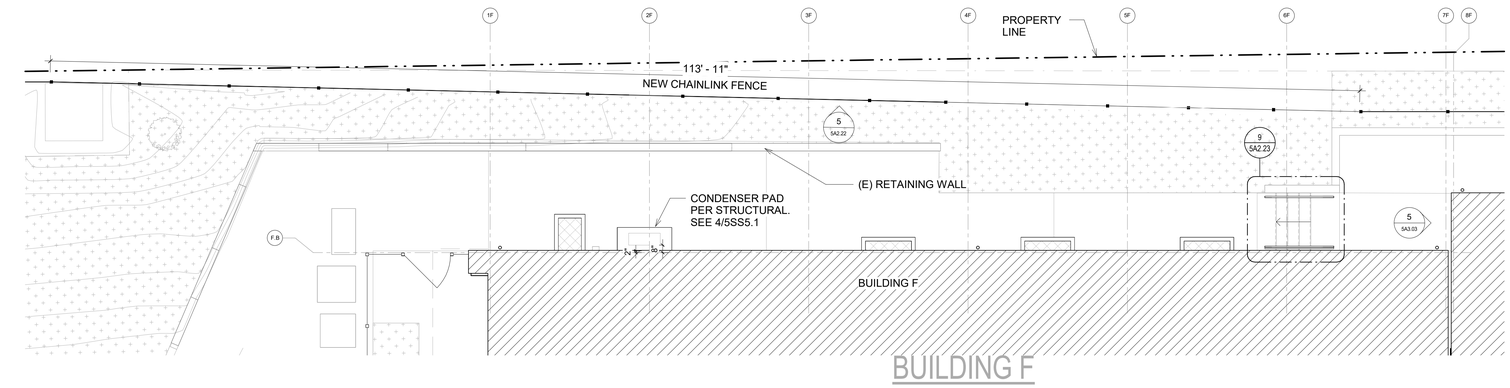
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GENERAL NOTES

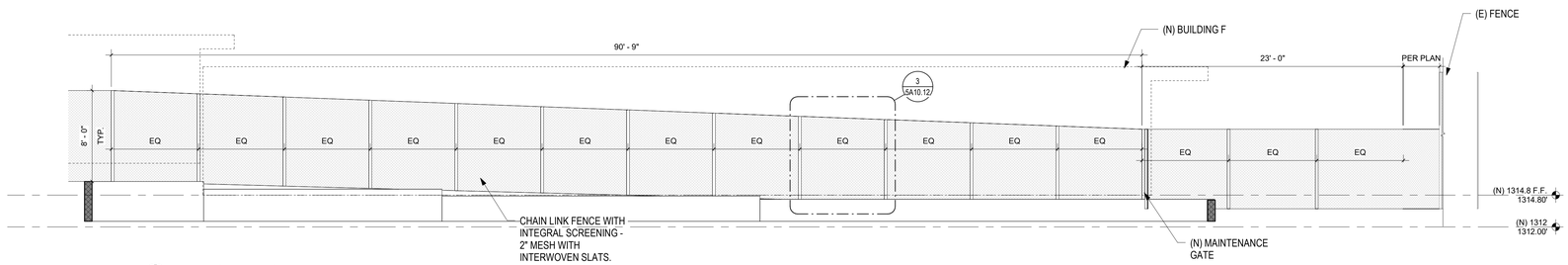
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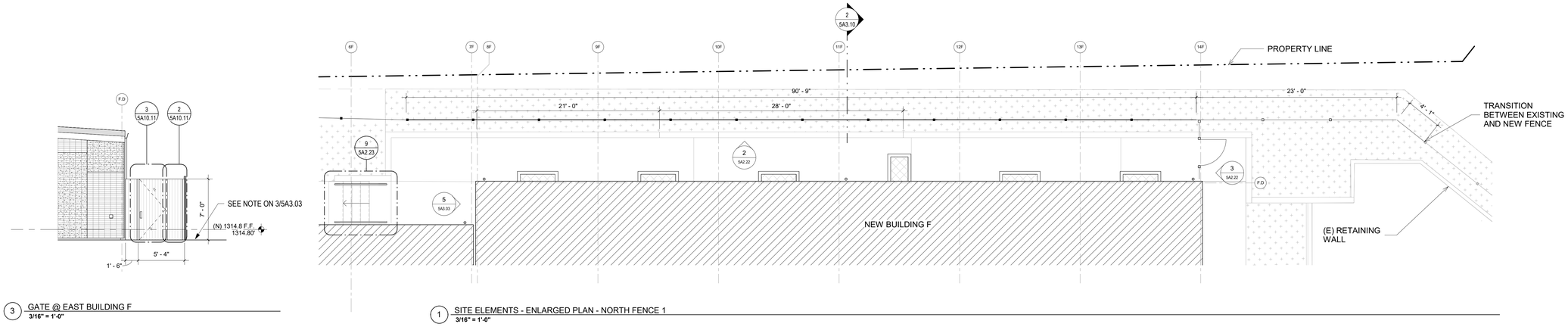
5 ELEV- NORTH FENCE -2
3/16" = 1'-0"



4 SITE ELEMENTS - ENLARGED PLAN - NORTH FENCE 2
3/16" = 1'-0"



2 ELEV- NORTH FENCE -1
3/16" = 1'-0"



3 GATE @ EAST BUILDING F
3/16" = 1'-0"

1 SITE ELEMENTS - ENLARGED PLAN - NORTH FENCE 1
3/16" = 1'-0"

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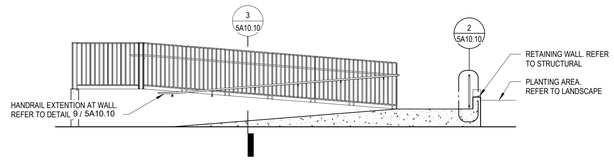
ENLARGED SITE ELEMENTS

5A2.22

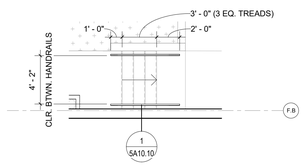
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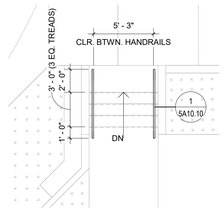
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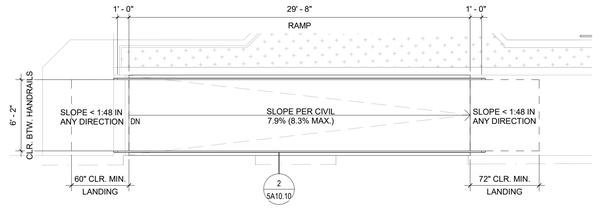
10 5A2.23 - SITE RAMP 2 ELEVATION
3/16" = 1'-0"



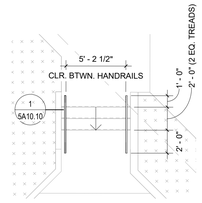
9 5A2.20 - SITE STAIRS 6
3/16" = 1'-0"



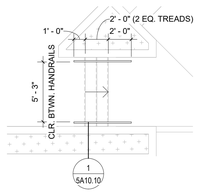
8 5A2.23 - SITE STAIR 5
3/16" = 1'-0"



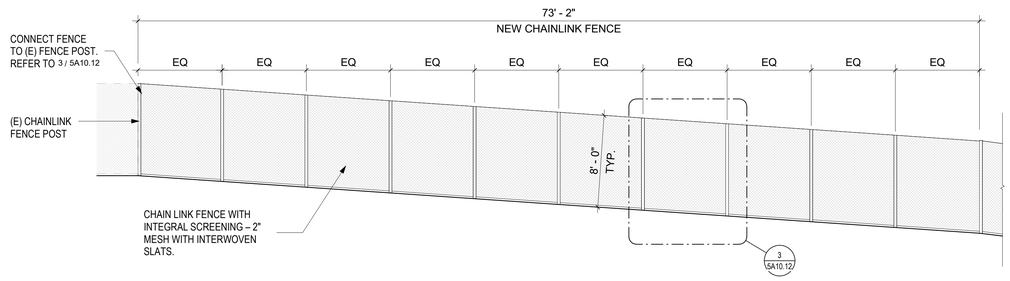
6 5A2.23 - SITE RAMP
3/16" = 1'-0"



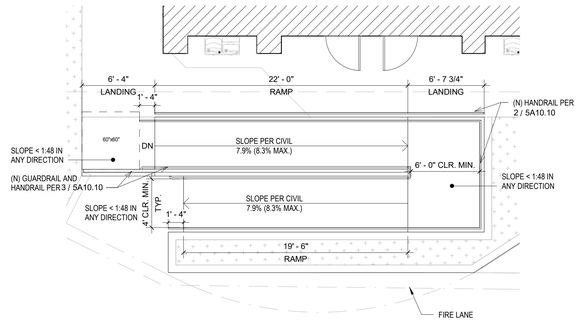
7 5A2.23 - SITE STAIRS 4
3/16" = 1'-0"



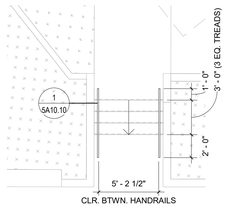
5 5A2.23 - SITE STAIR 3
3/16" = 1'-0"



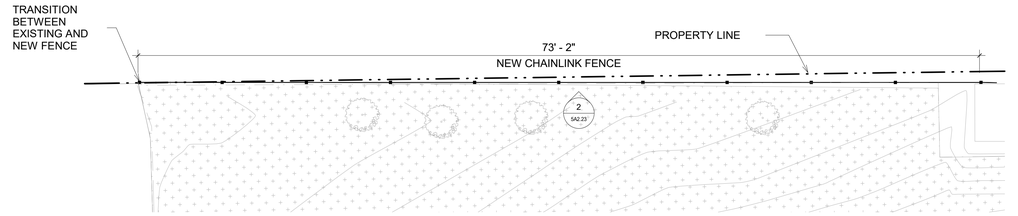
2 5A2.20 - SITE ELEMENTS - NORTH FENCE 3
3/16" = 1'-0"



4 5A2.23 - SITE RAMP 2
3/16" = 1'-0"
5A2.210



3 5A2.23 - SITE STAIR 1
3/16" = 1'-0"



1 5A2.20 - SITE ELEMENTS - NORTH CHAINLINK FENCE
3/16" = 1'-0"

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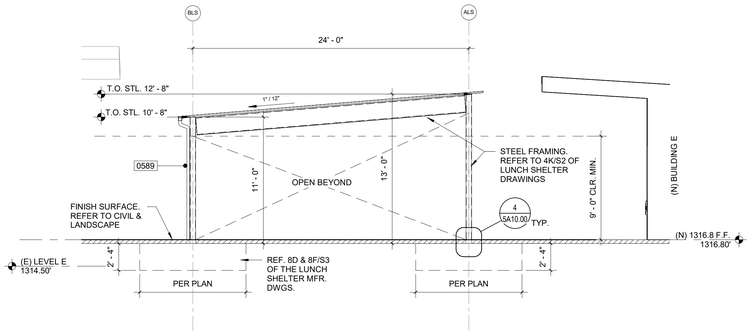
ENLARGED SITE ELEMENTS

5A2.23

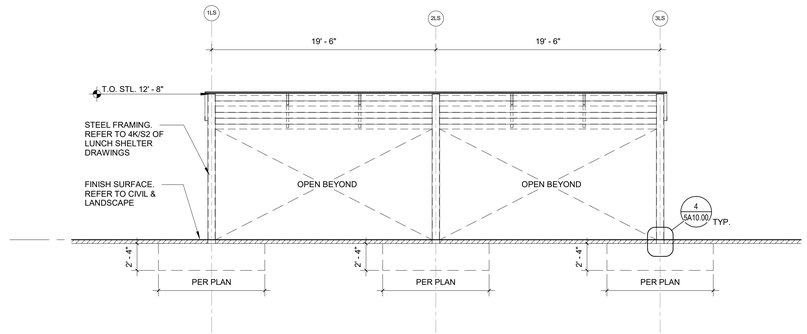
SCALE: AS INDICATED

KEYNOTE LEGEND

0576	SHEET METAL GUTTER. REFER TO 8B/S2 OF LUNCH SHELTER DRAWINGS
0589	DOWNSPOUT. REFER TO 8B/S2 OF LUNCH SHELTER DRAWINGS
0715	BELOW-GRADE CORROSION PROTECTION PER 4/5A10.00, TYP. AT ALL LUNCH SHELTER COLUMNS.
2609	4' LINEAR SURFACE MOUNTED LIGHT FIXTURE

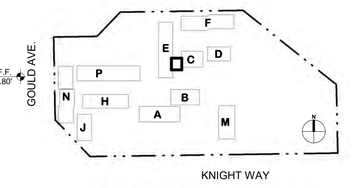


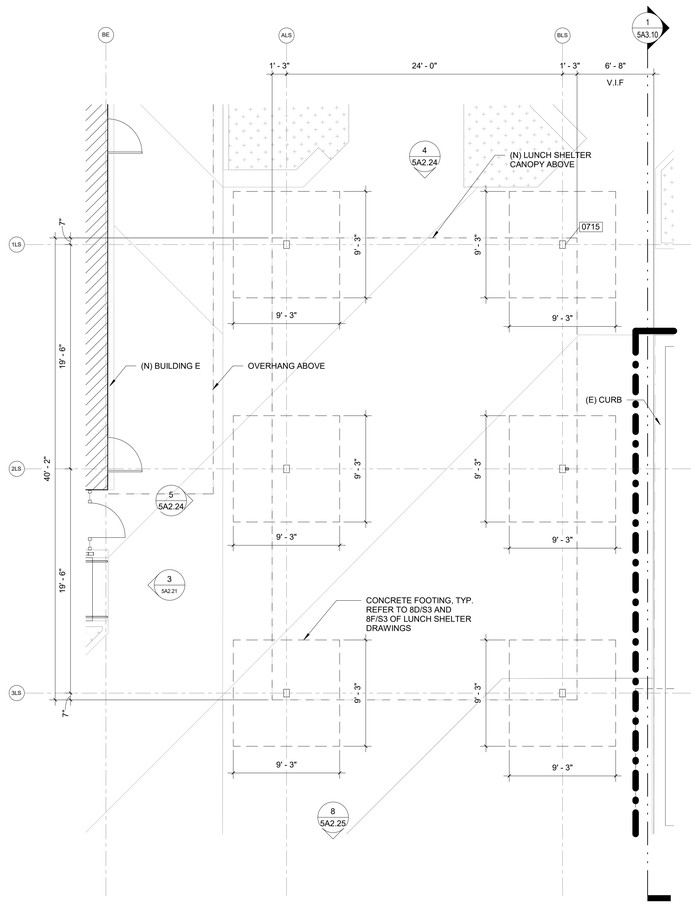
4 (N) LUNCH SHELTER - NORTH
3/16" = 1'-0"



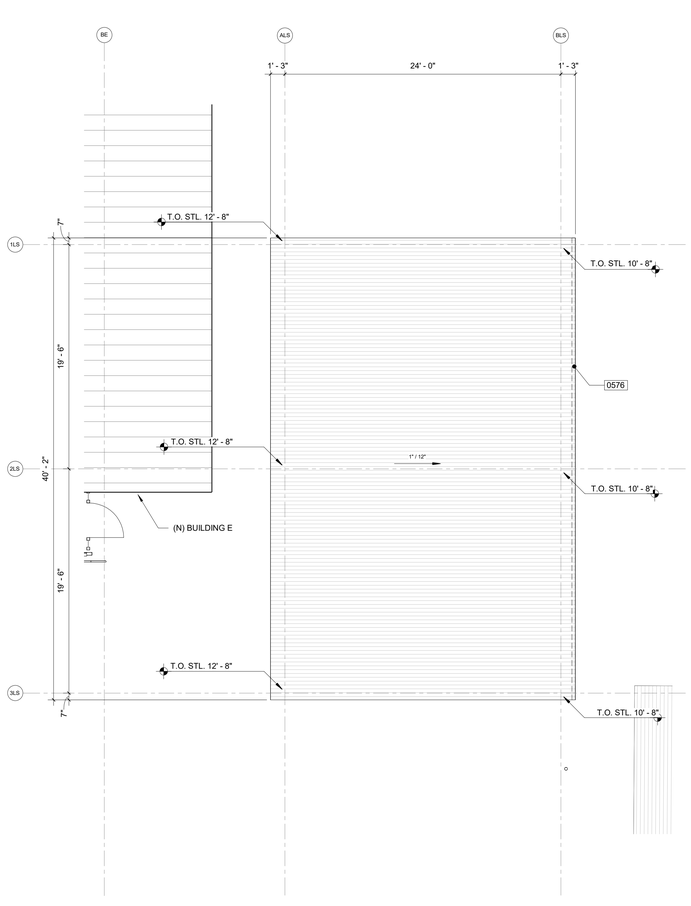
5 (N) LUNCH SHELTER - WEST
3/16" = 1'-0"

KEY PLAN

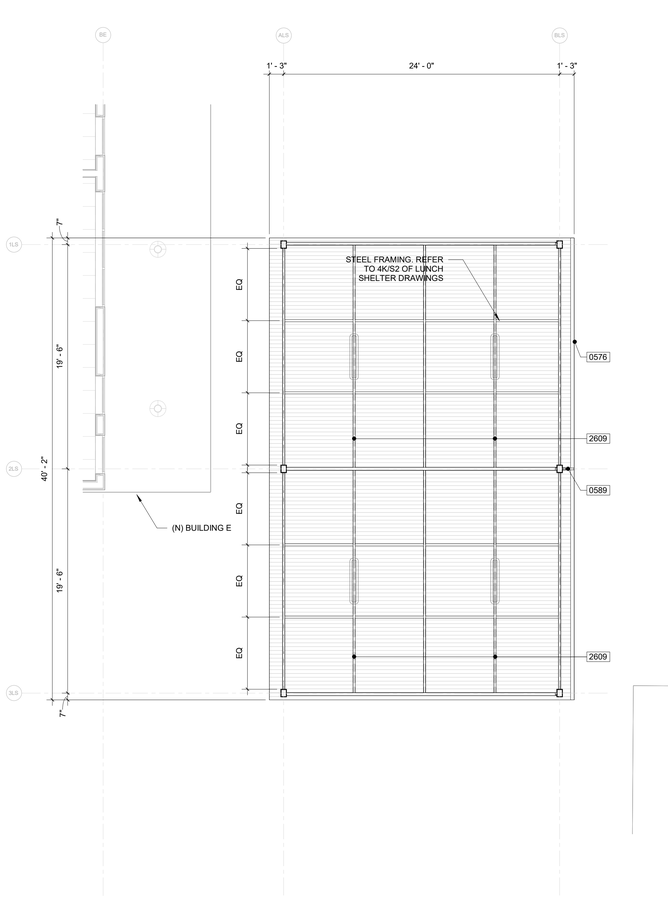




1 (N) LUNCH SHELTER - PLAN
3/16" = 1'-0"



3 (N) LUNCH SHELTER - ROOF PLAN
3/16" = 1'-0"



2 (N) LUNCH SHELTER - REFLECTED CEILING PLAN
3/16" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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DATE: 05/07/2026

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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R. DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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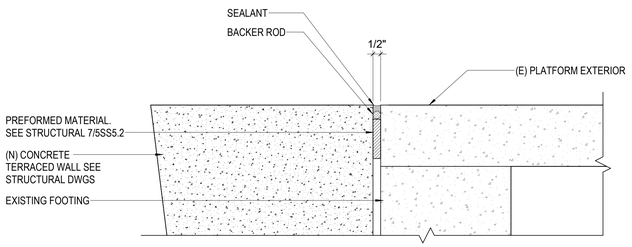
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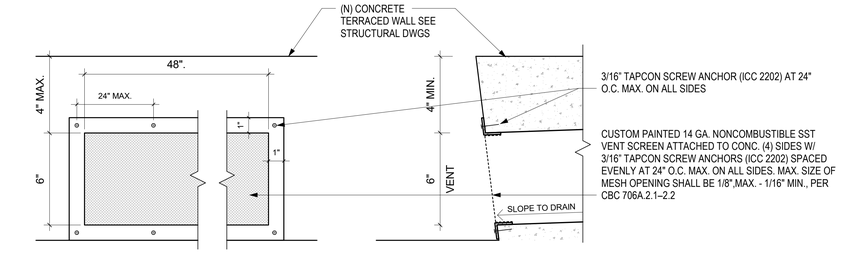
ENLARGED SITE ELEMENTS - LS

5A2.24

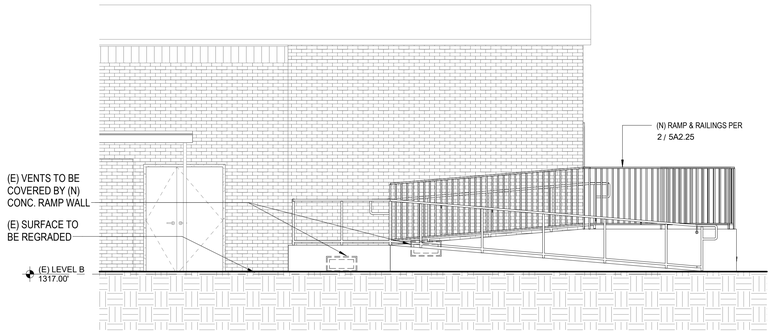
SCALE: AS INDICATED



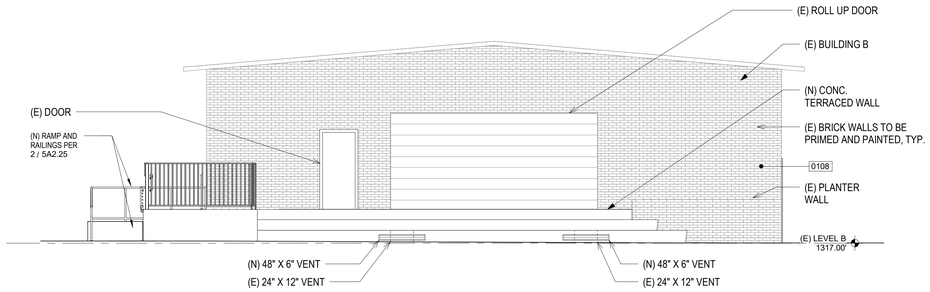
7 EXPANSION JOINT
3" = 1'-0"



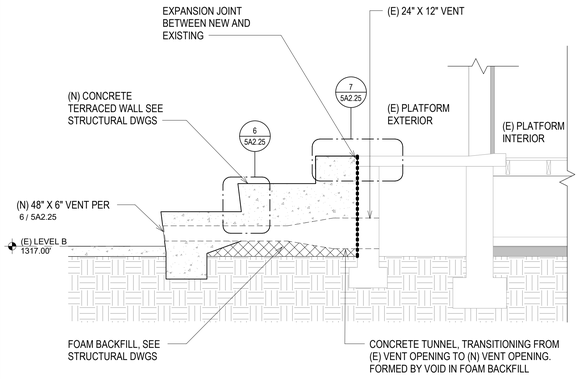
6 VENTS @ (N) CONC. TERRACED WALL
3" = 1'-0"



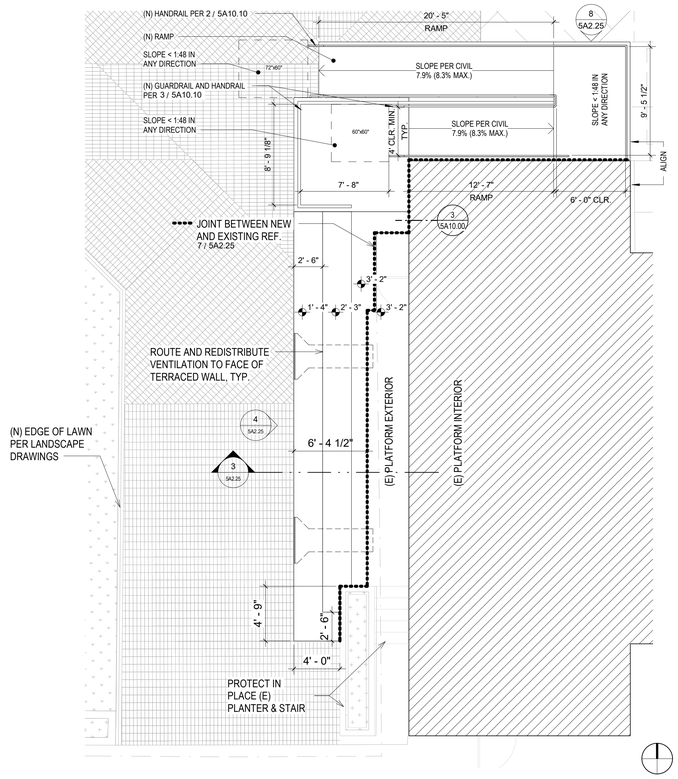
8 NEW RAMP @ BUILDING B
1/4" = 1'-0"



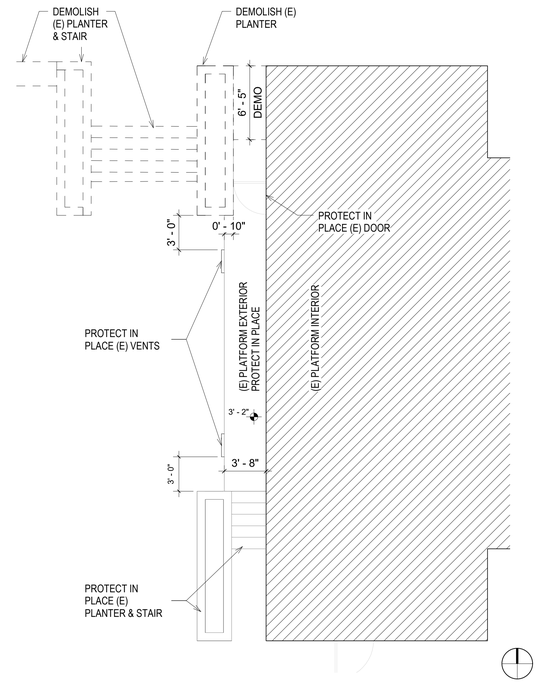
4 NEW TERRACED WALL @ BUILDING B - WEST ELEVATION
3/16" = 1'-0"



3 SECTION THROUGH NEW CONCRETE TERRACED WALL @ EXISITNG PLATFORM
1/2" = 1'-0"



2 FLOOR PLAN - NEW TERRACED WALL
3/16" = 1'-0"



1 5A2.25-NEW TERRACED WALL - DEMO
3/16" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

0108 PATCH AND REPAIR DAMAGED OR SPALLED AREAS OF EXISTING BRICK WITHIN APPROX. 20 SF PER ELEVATION OR AS NEEDED IN FIELD. PREPARE SURFACES FOR NEW PAINT PER FINISH LEGEND. APPLY BRICK SEALER AND WATER REPELLANT AFTER PAINTING

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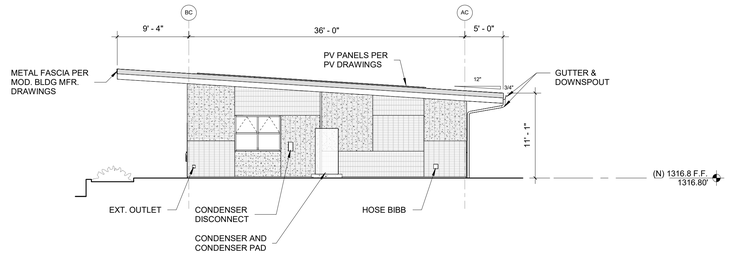
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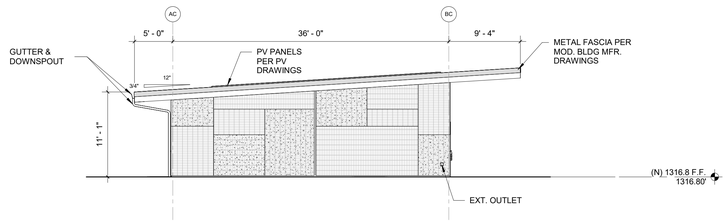
ENLARGED SITE ELEMENTS

5A2.25

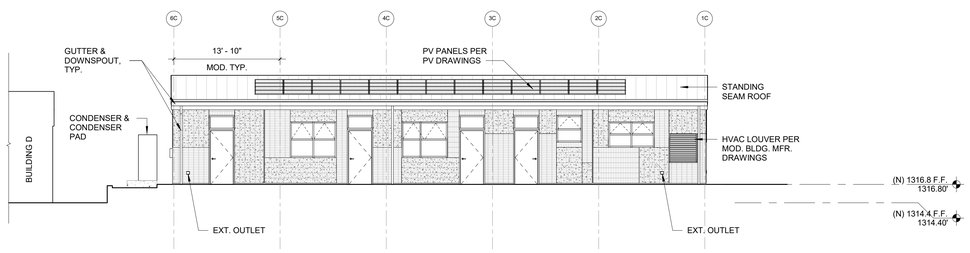
SCALE: AS INDICATED



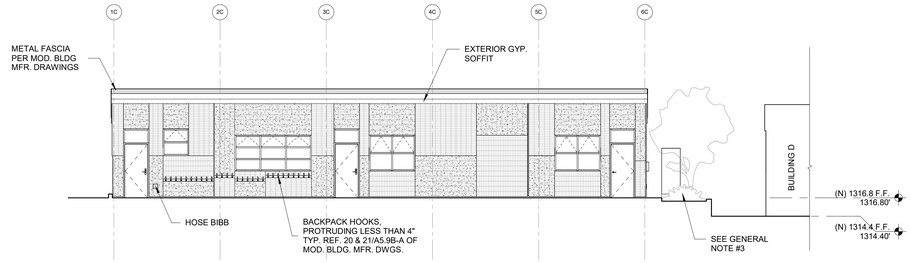
4 ELEV - BLDG C - EAST
1/8" = 1'-0"



3 ELEV - BLDG C - WEST
1/8" = 1'-0"



2 ELEV - BLDG C - NORTH
1/8" = 1'-0"



1 ELEV - BLDG C - SOUTH
1/8" = 1'-0"

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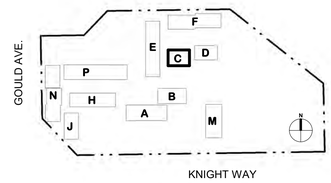
GENERAL NOTES

1. ENSURE THE PROPER CONSIDERATION AND ACCOMMODATION OF TYPICAL ITEMS MOUNTED ON THE BUILDING EXTERIOR, SUCH AS FIXTURES LIKE BELLS, SPEAKERS,AND SIMILAR INSTALLATIONS ("EXTERIOR FIXTURES").
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5. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY
6. FOR DOOR & DOOR FRAME FINISH, REFER TO N3.0-A DOOR SCHEDULE OF THE MODULAR BUILDING MANUFACTURER DRAWINGS.

BRICK FINISH LEGEND

- STACK BOND VERTICAL - MANUFACTURER: GLEN-GERY. COLOR: SILVER CITY, FINISH: SMOOTH, SIZE: 1/2" x 2-1/4" x 7-5/8"
- STACK BOND VERTICAL - MANUFACTURER: GLEN-GERY. COLOR: SILVER CITY, FINISH: WIRECUT, SIZE: 1/2" x 2-1/4" x 7-5/8"
- STACK BOND HORIZONTAL - MANUFACTURER: GLEN-GERY COLOR: SILVER CITY, FINISH: SMOOTH, SIZE: 1/2" x 2-1/4" x 7-5/8"
- STACK BOND HORIZONTALL - MANUFACTURER: GLEN-GERY COLOR: SILVER CITY, FINISH: WIRECUT, SIZE: 1/2" x 2-1/4" x 7-5/8"
- METAL FASCIA
- OPERABLE AWNING TYPE WINDOW

KEY PLAN



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

0' 4' 8' 16'

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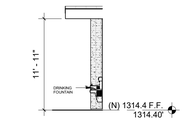
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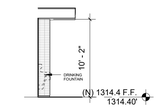
EXTERIOR ELEVATION - (N) BUILDING C

5A3.00

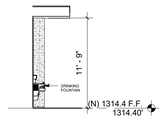
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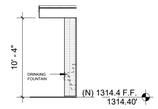
10 ELEV - BLDG D - ALCOVE 6
1/8" = 1'-0"



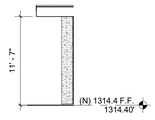
5 ELEV - BLDG D - ALCOVE 1
1/8" = 1'-0"



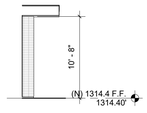
9 ELEV - BLDG D - ALCOVE 5
1/8" = 1'-0"



6 ELEV - BLDG D - ALCOVE 2
1/8" = 1'-0"

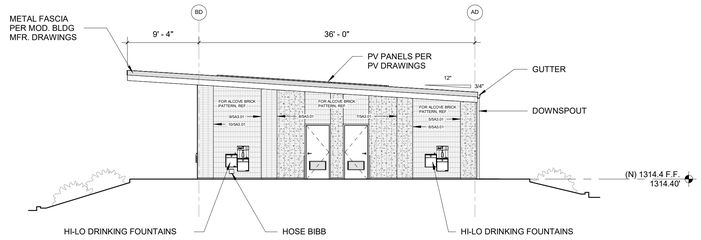


8 ELEV - BLDG D - ALCOVE 4
1/8" = 1'-0"

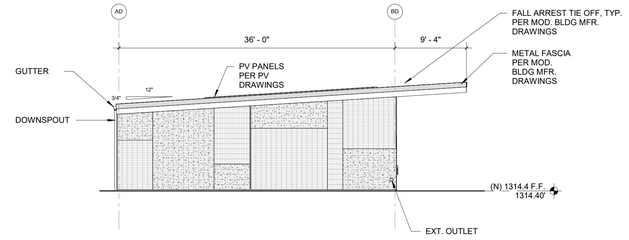


7 ELEV - BLDG D - ALCOVE 3
1/8" = 1'-0"

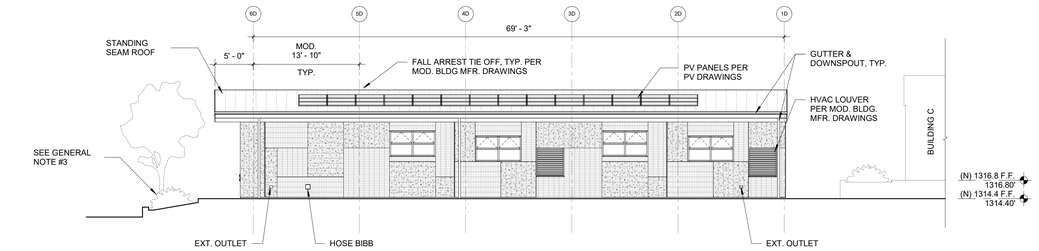
NOTE:
REFER TO MODULAR BUILDING MANUFACTURER DRAWINGS ON S1.9 FOR PILASTER DETAILS.



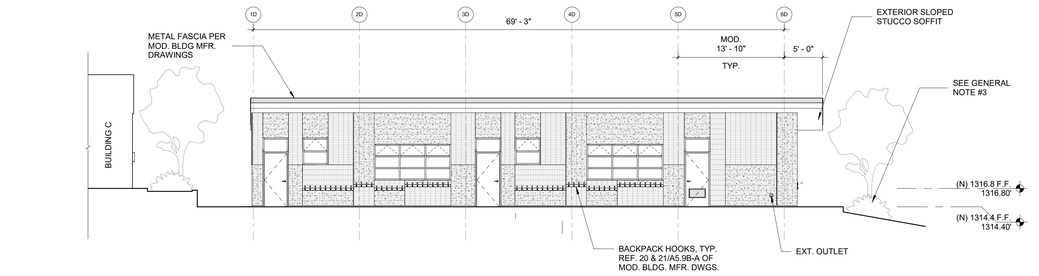
2 ELEV - BLDG D - EAST
1/8" = 1'-0"



1 ELEV - BLDG D - WEST
1/8" = 1'-0"



3 ELEV - BLDG D - NORTH
1/8" = 1'-0"



4 ELEV - BLDG D - SOUTH
1/8" = 1'-0"

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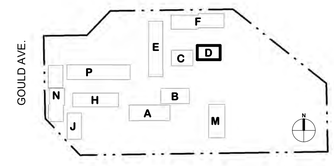
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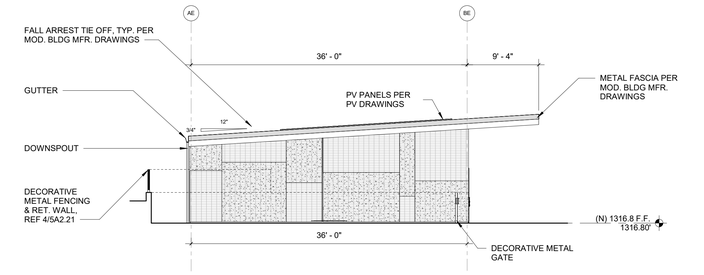
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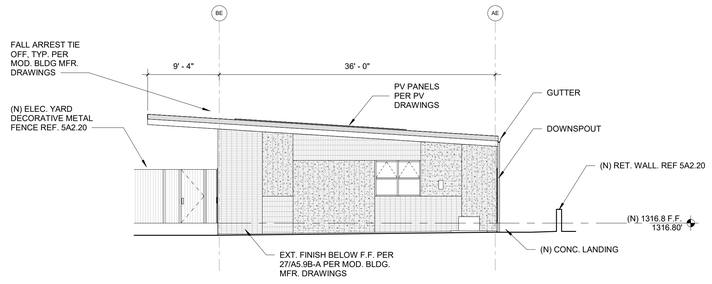
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5A3.01

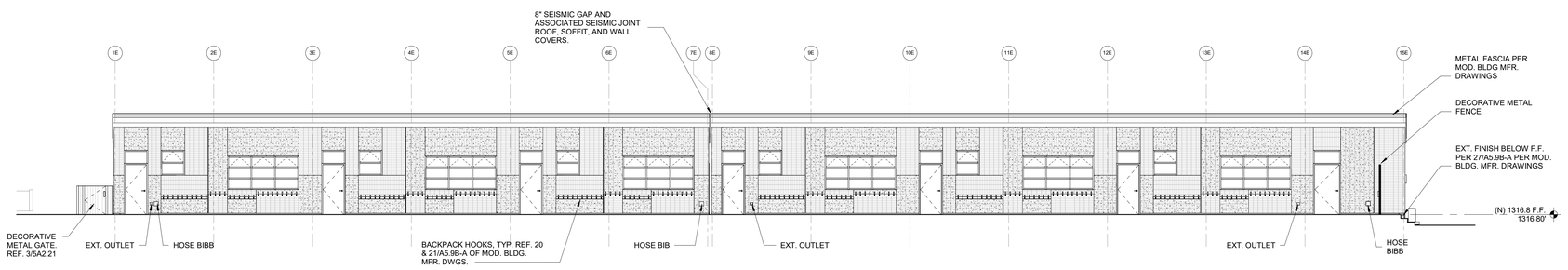
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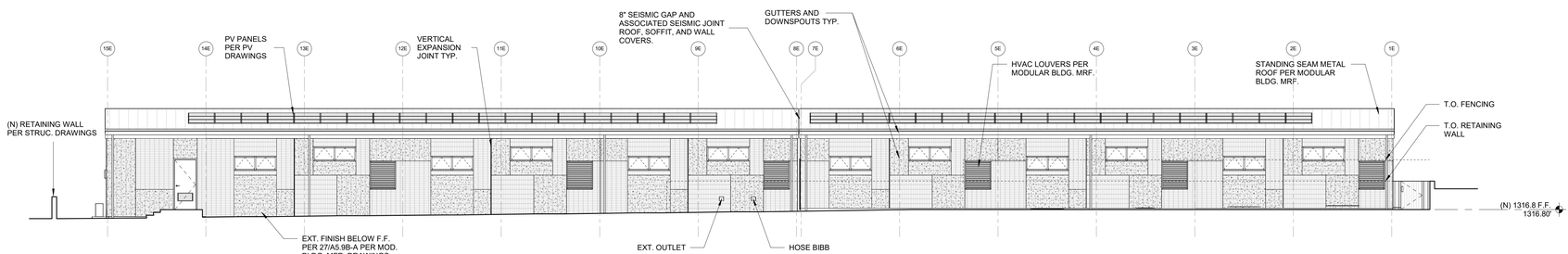
3 ELEV - BLDG E - SOUTH
1/8" = 1'-0"



4 ELEV - BLDG E - NORTH
1/8" = 1'-0"



2 ELEV - BLDG E - EAST
1/8" = 1'-0"



1 ELEV - BLDG E - WEST
1/8" = 1'-0"

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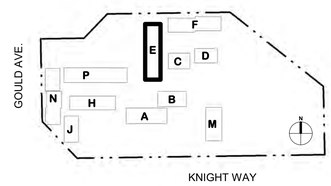
GENERAL NOTES

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BRICK FINISH LEGEND

- STACK BOND VERTICAL - MANUFACTURER: GLEN-GERY COLOR: SILVER CITY, FINISH: SMOOTH, SIZE: 1/2" x 2-1/4" x 7-5/8"
- STACK BOND VERTICAL - MANUFACTURER: GLEN-GERY COLOR: SILVER CITY, FINISH: WIRECUT, SIZE: 1/2" x 2-1/4" x 7-5/8"
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- METAL FASCIA
- OPERABLE AWNING TYPE WINDOW

KEY PLAN



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

0' 4' 8' 16'

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DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CANADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1865

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R GRAVE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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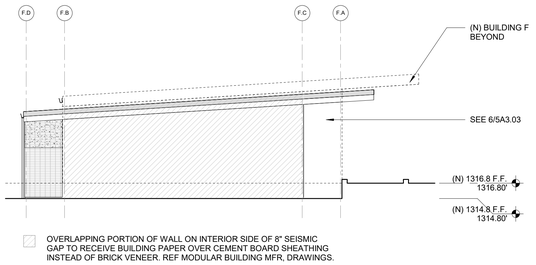
#	REVISION DATE	DESCRIPTION

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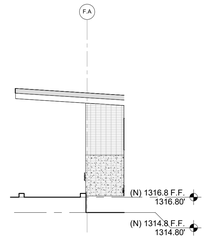
EXTERIOR ELEVATION - (N) BUILDING E

5A3.02

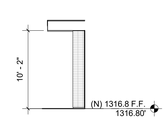
SCALE: AS INDICATED



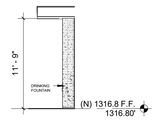
5 ELEV - BLDG F - OVERLAPPING WALL @ 8" GAP - EAST
1/8" = 1'-0"



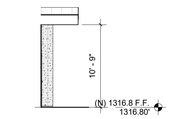
6 ELEV - BLDG F - OVERLAPPING WALL @ 8" GAP - WEST
1/8" = 1'-0"



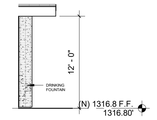
7 ELEV - BLDG F - ALCOVE 1
1/8" = 1'-0"



9 ELEV - BLDG F - ALCOVE 3
1/8" = 1'-0"

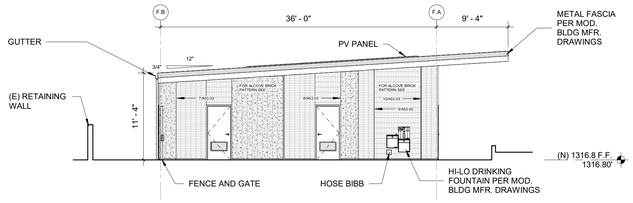


8 ELEV - BLDG F - ALCOVE 2
1/8" = 1'-0"

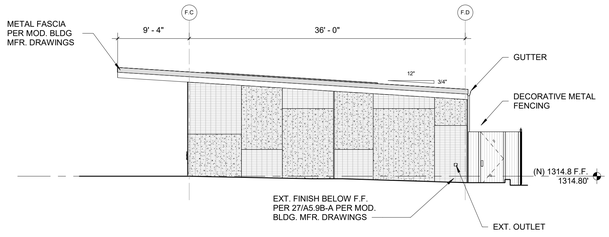


10 ELEV - BLDG F - ALCOVE 4
1/8" = 1'-0"

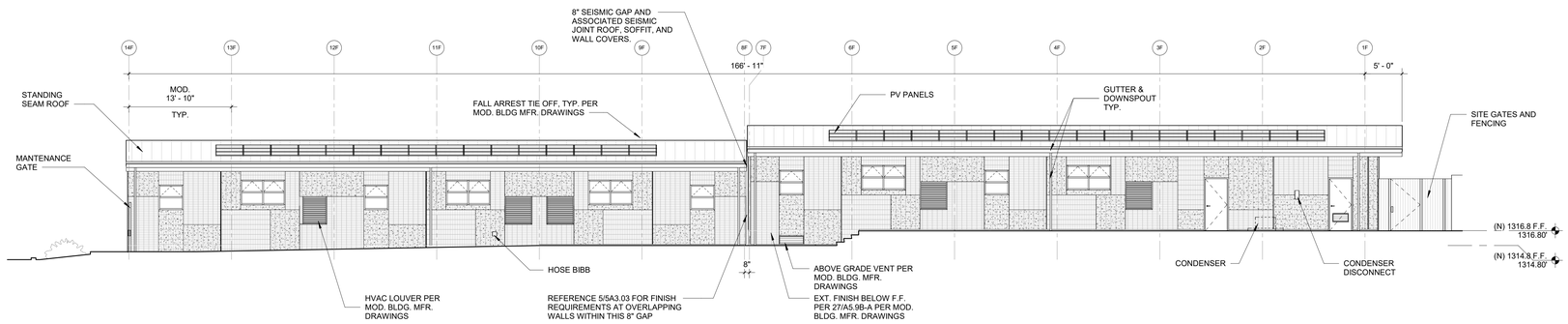
NOTE:
REFER TO MODULAR BUILDING MANUFACTURER DRAWINGS ON S1.9 FOR PILASTER DETAILS.



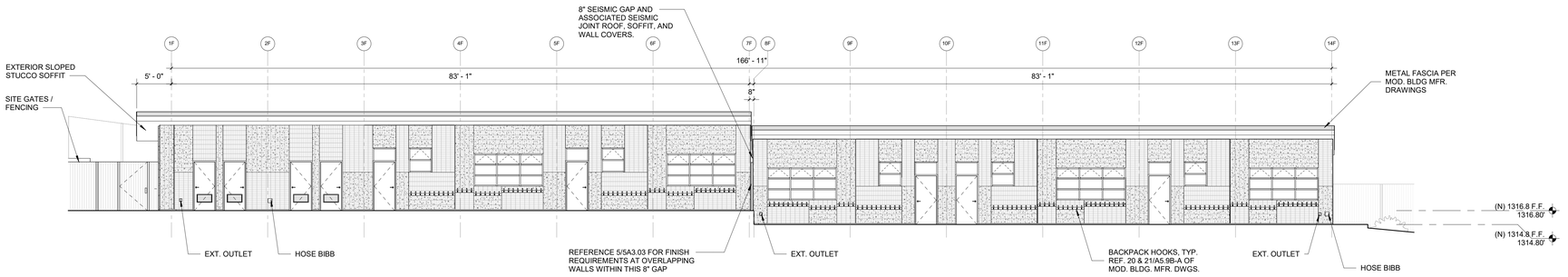
2 ELEV - BLDG F - WEST
1/8" = 1'-0"



4 ELEV - BLDG F - EAST
1/8" = 1'-0"



3 ELEV - BLDG F - NORTH
1/8" = 1'-0"



1 ELEV - BLDG F - SOUTH
1/8" = 1'-0"

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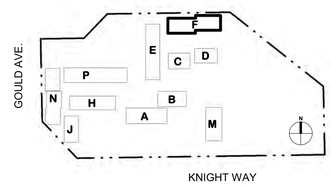
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0' 4' 8' 16'

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ESTABLISHED 1965

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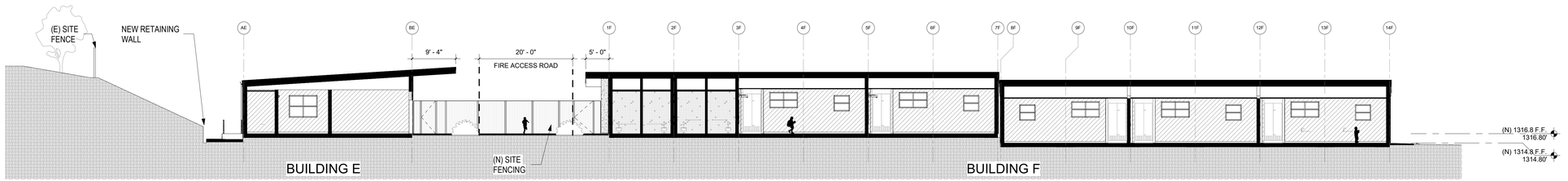
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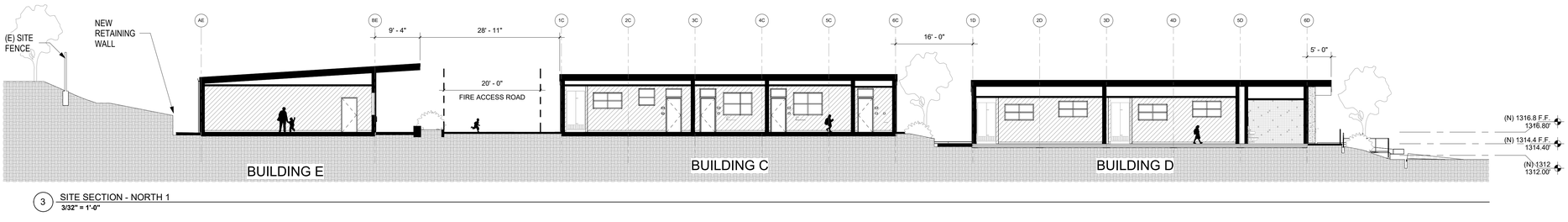
EXTERIOR ELEVATION - (N) BUILDING F

5A3.03

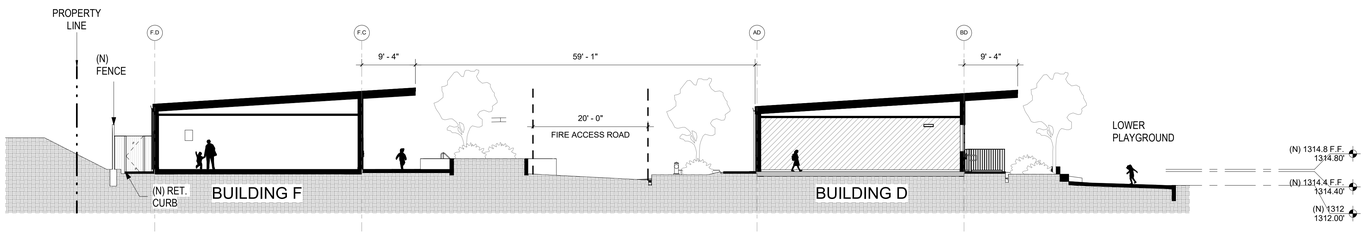
SCALE: AS INDICATED



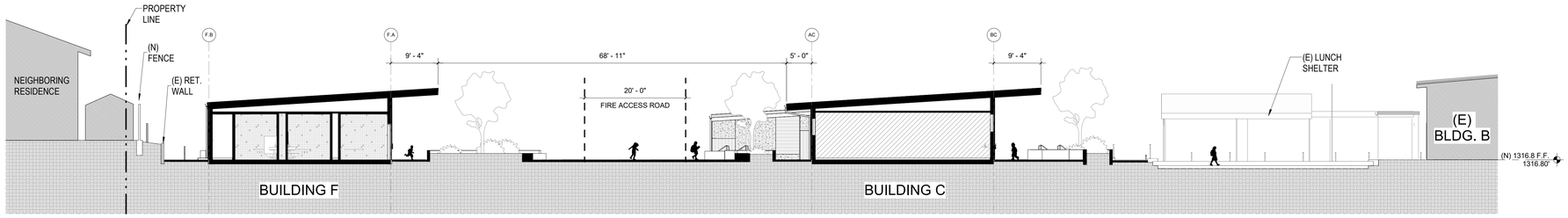
4 SITE SECTION - NORTH 2
3/32" = 1'-0"



3 SITE SECTION - NORTH 1
3/32" = 1'-0"



2 SITE SECTION - EAST 2
3/32" = 1'-0"



1 SITE SECTION - EAST 1
3/32" = 1'-0"

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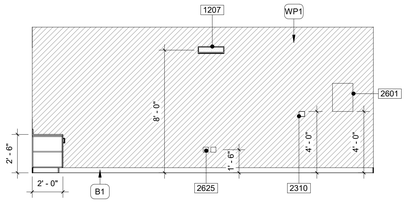
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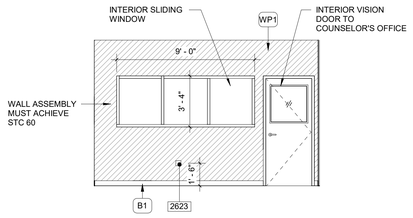
SITE SECTIONS - (N) BUILDINGS C/D/E/F

5A3.10

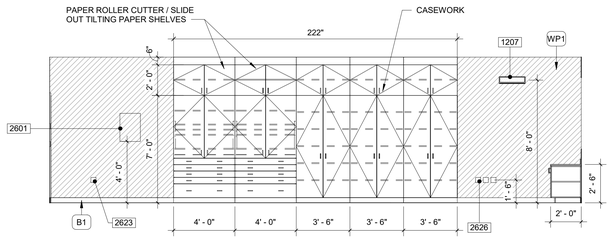
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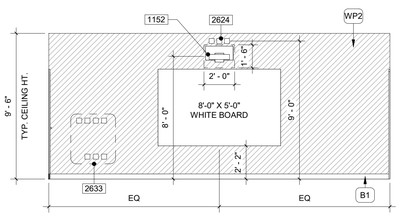
8 C103 - WELLNESS - EAST
1/4" = 1'-0"



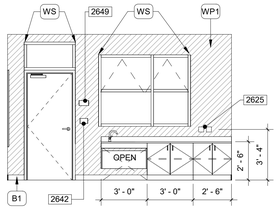
6 C103 - WELLNESS - SOUTH
1/4" = 1'-0"



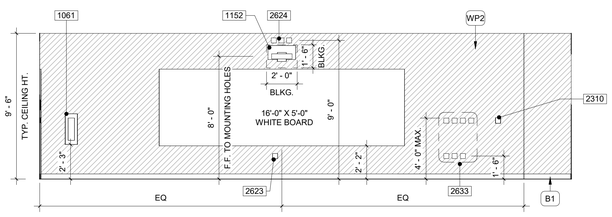
12 C101 - ART CLASSROOM - EAST
1/4" = 1'-0"



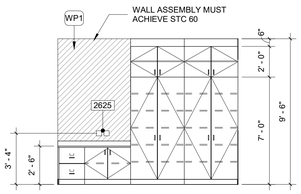
7 C103 - WELLNESS - WEST
1/4" = 1'-0"



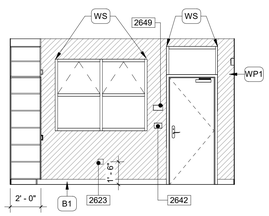
5 C103 - WELLNESS - NORTH
1/4" = 1'-0"



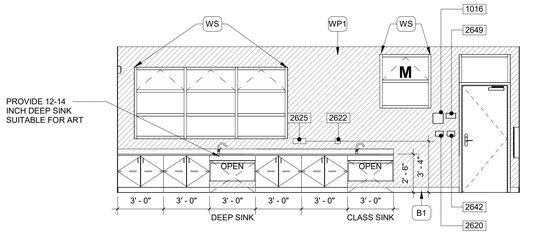
11 C101 - ART CLASSROOM - WEST
1/4" = 1'-0"



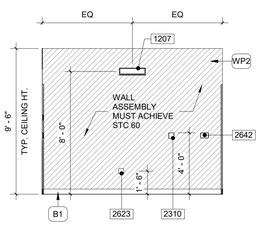
4 C102 - COUNSELING - EAST
1/4" = 1'-0"



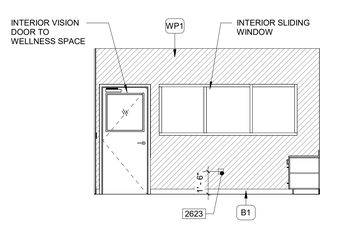
2 C102 - COUNSELING - SOUTH
1/4" = 1'-0"



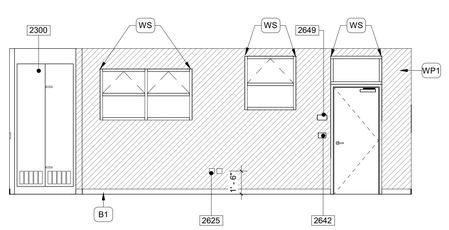
10 C101 - ART CLASSROOM - SOUTH
1/4" = 1'-0"



3 C102 - COUNSELING - WEST
1/4" = 1'-0"



1 C102 - COUNSELING - NORTH
1/4" = 1'-0"



9 C101 - ART CLASSROOM - NORTH
1/4" = 1'-0"

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KEYNOTE LEGEND

1016	ASSISTIVE LISTENING SIGN
1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
1152	SHORT THROW PROJECTOR AND MOUNT, OFCI. FOR ATTACHMENT DETAILS REF. 7/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
1207	SURFACE-MOUNTED CLOCK/SPEAKER COMBO INSTALLED TO MAINTAIN 1" MINIMUM CLEARANCE TO ACCESSIBLE CEILING. USE RECESSED BACKBOX SECURED TO WALL STUD WITH #10 x 1" SCREWS TO MOUNT DEVICE.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2620	MOTORIZED WINDOW SWITCH PER MODULAR BUILDING MFR. DRAWINGS
2622	QUAD POWER RECEPTACLE
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2626	2-PORT DATA, DUPLEX POWER RECEPTACLE AND AV2 PLATE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
2642	LIGHT SWITCH
2649	EXIT SIGN

LEGEND

GLAZING

OPERABLE AWNING TYPE WINDOW

M — MOTORIZED - OPERABLE AWNING TYPE WINDOW

TACKABLE SURFACE REFERENCE FINISH LEGEND

ABC — FINISH CALL OUT REF. FINISH LEGEND ON SHEET

1234 — KEYNOTE

WALL FINISH SCHEDULE

WD1	3/4" FRT PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0-A OF MODULAR MANUFACTURER'S DRAWINGS PLYWOOD TO BE INSTALLED UP TO DOOR FRAME ONLY. DO NOT EXTEND BEHIND DOOR FRAME.
WP1	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD ; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: BREAKWATER
WP2	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: ROCKPORT

MILLWORK FINISH SCHEDULE

PL1	PLASTIC LAMINATE, MANUFACTURER: WILSONART, COLOR: BEIGEWOOD, FINISH: MATTE
SS1	SOLID SURFACE - MANUFACTURER: WILSONART, COLOR: FROSTY WHITE MIRAGE

WALL BASE FINISH SCHEDULE

B1	4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS

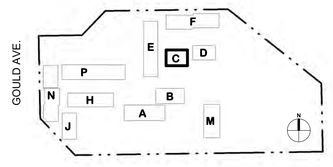
MISC. FINISH SCHEDULE

WS	WINDOW SHADES - MANUFACTURER: MECHOSHADE SERIES : SOHO 1100 SERIES, OPENESS FACTOR: 1%, COLOR: CHARCOAL

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
4. AT NEW DOOR OPENINGS, LOCATE DOOR 4" MINIMUM FROM ADJACENT WALL, ULESS OTHERWISE NOTED.
5. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
6. ALL FURNITURE SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED WITHIN THE SCOPE OF WORK.
7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF: 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13.
9. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
10. 2" THICK NON-STRUCTURAL CONCRETE SLURRY UNDER BUILDING TO BE PROVIDED BY SITE CONTRACTOR PER MODULAR BUILDING MANUFACTURER STRUCTURAL DRAWINGS.
11. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



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

0' 4' 8' 16'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice

135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R DRAKE
NO. C-014889
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

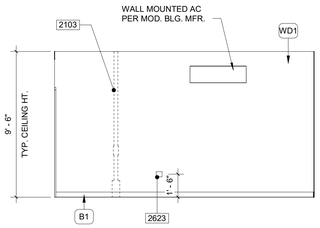
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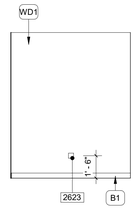
INTERIOR ELEVATIONS - BLDG C

5A4.10

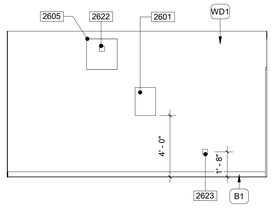
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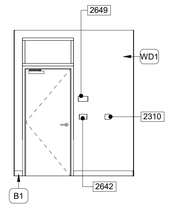
8 C106 - UTILITY - EAST
1/4" = 1'-0"



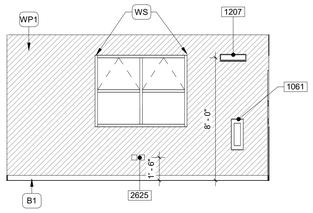
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1/4" = 1'-0"



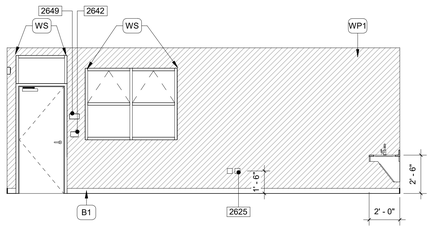
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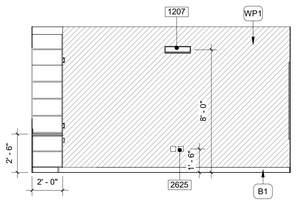
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1/4" = 1'-0"



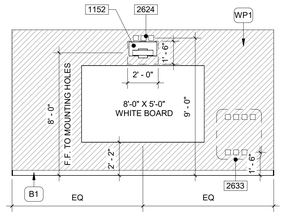
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1/4" = 1'-0"



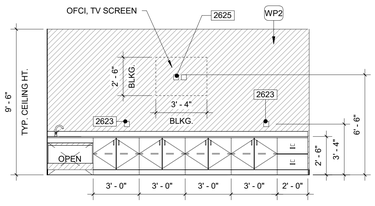
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1/4" = 1'-0"



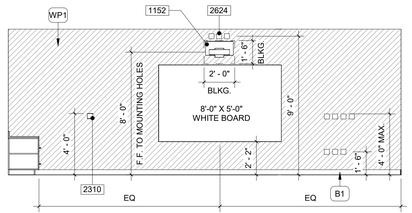
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1/4" = 1'-0"



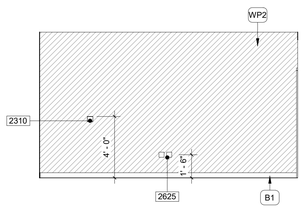
2 C105 - SPEECH - SOUTH
1/4" = 1'-0"



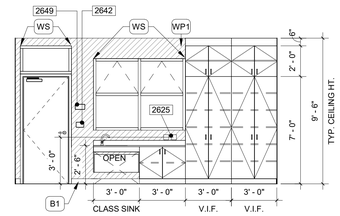
11 C104 - CONFERENCE - WEST
1/4" = 1'-0"



9 C104 - CONFERENCE - NORTH
1/4" = 1'-0"



3 C105 - SPEECH - WEST
1/4" = 1'-0"



1 C105 - SPEECH - NORTH
1/4" = 1'-0"

KEYNOTE LEGEND

1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
1152	SHORT THROW PROJECTOR AND MOUNT, OFCI. FOR ATTACHMENT DETAILS REF. 7/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
1207	SURFACE-MOUNTED CLOCK/SPEAKER COMBO INSTALLED TO MAINTAIN 1" MINIMUM CLEARANCE TO ACCESSIBLE CEILING. USE RECESSED BACKBOX SECURED TO WALL STUD WITH #10 x 1" SCREWS TO MOUNT DEVICE.
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2605	IDF CABINET, OFCI. MOD BLDG MFR. TO PROVIDE BLOCKING.
2622	QUAD POWER RECEPTACLE
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
2642	LIGHT SWITCH
2649	EXIT SIGN

LEGEND

GLAZING

OPERABLE AWNING TYPE WINDOW

M — MOTORIZED - OPERABLE AWNING TYPE WINDOW

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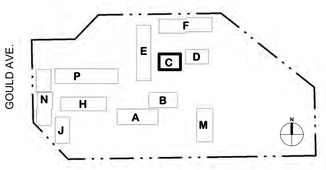
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WS	WINDOW SHADES - MANUFACTURER: MECHOSHADE SERIES : SOHO 1100 SERIES, OPENESS FACTOR: 1%, COLOR: CHARCOAL

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KEY PLAN



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ESTABLISHED 1965

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PACKAGE 5 - NEW NORTH BUILDINGS

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PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
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12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

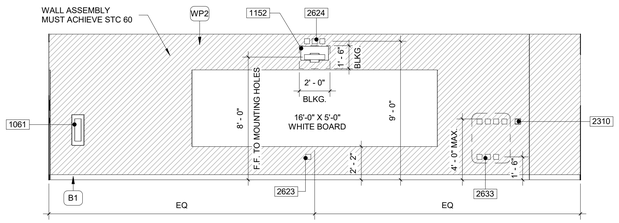
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INTERIOR ELEVATIONS - BLDG C

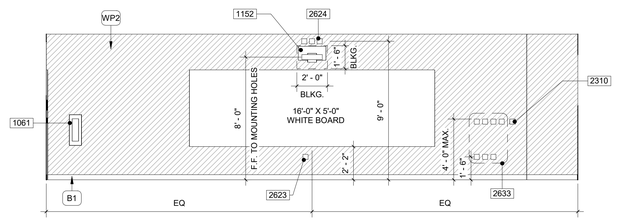
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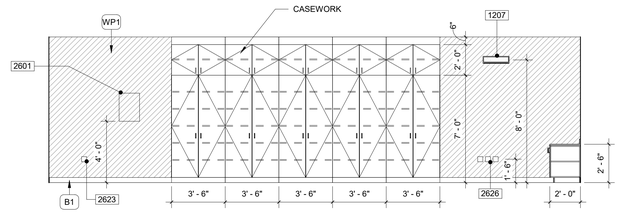
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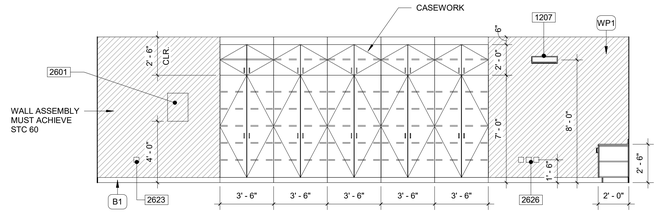
8 D102 - MUSIC - WEST
1/4" = 1'-0"



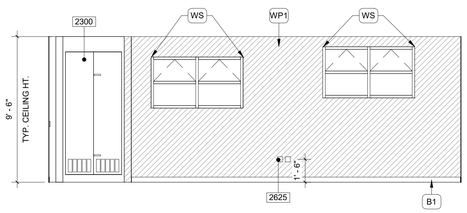
4 D101 - COMPUTER / MAKER - WEST
1/4" = 1'-0"



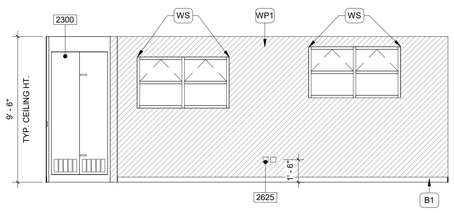
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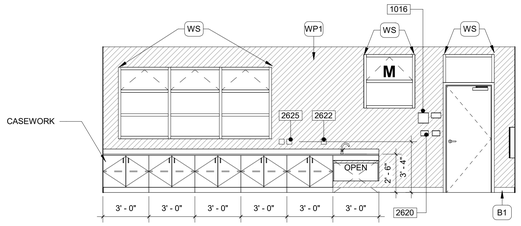
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1/4" = 1'-0"



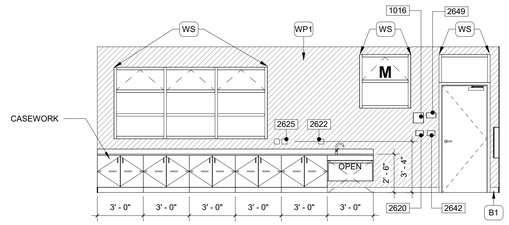
6 D102 - MUSIC - NORTH
1/4" = 1'-0"



2 D101 - COMPUTER / MAKER - NORTH
1/4" = 1'-0"



5 D102 - MUSIC - SOUTH
1/4" = 1'-0"



1 D101 - COMPUTER / MAKER - SOUTH
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KEYNOTE LEGEND

1016	ASSISTIVE LISTENING SIGN
1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
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2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2620	MOTORIZED WINDOW SWITCH PER MODULAR BUILDING MFR. DRAWINGS
2622	QUAD POWER RECEPTACLE
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2626	2-PORT DATA, DUPLEX POWER RECEPTACLE AND AV2 PLATE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
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LEGEND

GLAZING

OPERABLE AWNING TYPE WINDOW

M — MOTORIZED - OPERABLE AWNING TYPE WINDOW

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1234 — KEYNOTE

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WD1	3/4" FRT PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0-A OF MODULAR MANUFACTURER'S DRAWINGS PLYWOOD TO BE INSTALLED UP TO DOOR FRAME ONLY. DO NOT EXTEND BEHIND DOOR FRAME.
WP1	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD ; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: BREAKWATER
WP2	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: ROCKPORT

MILLWORK FINISH SCHEDULE

PL1	PLASTIC LAMINATE, MANUFACTURER: WILSONART, COLOR: BEIGEWOOD, FINISH: MATTE
SS1	SOLID SURFACE - MANUFACTURER: WILSONART, COLOR: FROSTY WHITE MIRAGE

WALL BASE FINISH SCHEDULE

B1	4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS

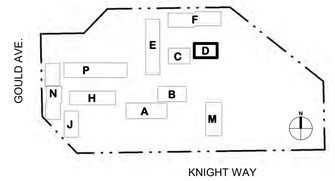
MISC. FINISH SCHEDULE

WS	WINDOW SHADES - MANUFACTURER: MECHOSHADE SERIES : SOHO 1100 SERIES, OPENESS FACTOR: 1%, COLOR: CHARCOAL

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
4. AT NEW DOOR OPENINGS, LOCATE DOOR 4" MINIMUM FROM ADJACENT WALL, ULESS OTHERWISE NOTED.
5. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
6. ALL FURNITURE SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED WITHIN THE SCOPE OF WORK.
7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF. 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13
9. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
10. 2" THICK NON-STRUCTURAL CONCRETE SLURRY UNDER BUILDING TO BE PROVIDED BY SITE CONTRACTOR PER MODULAR BUILDING MANUFACTURER STRUCTURAL DRAWINGS.
11. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



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

0' 4' 8' 16'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

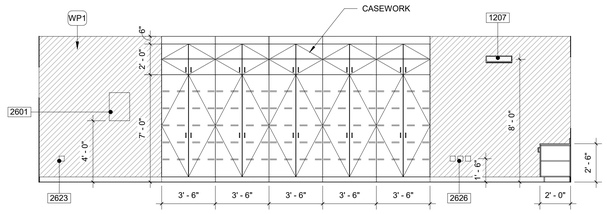
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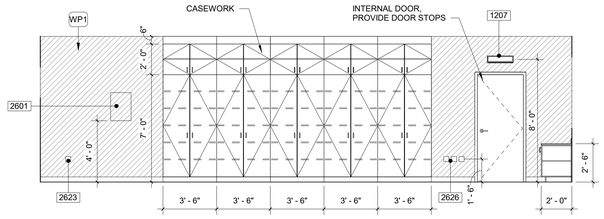
INTERIOR ELEVATIONS - BLDG D

5A4.12

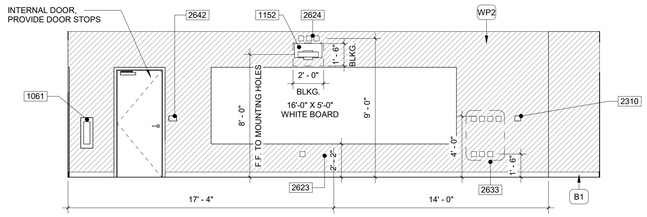
SCALE: AS INDICATED



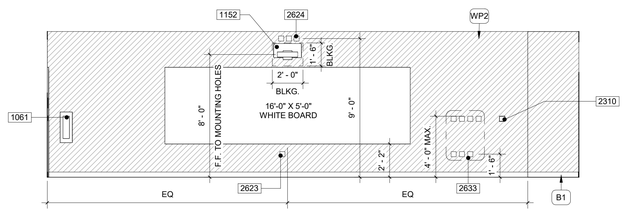
8 CLASSROOM - NORTH ELEVATION - B - BUILDING E
1/4" = 1'-0"



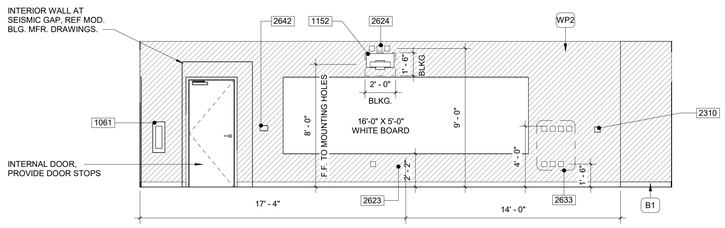
4 CLASSROOM - NORTH ELEVATION - A - BUILDING E
1/4" = 1'-0"



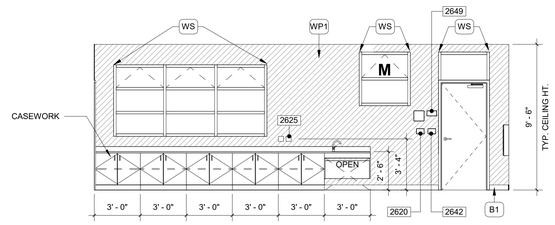
7 CLASSROOM - SOUTH ELEVATION - B - BUILDING E
1/4" = 1'-0"



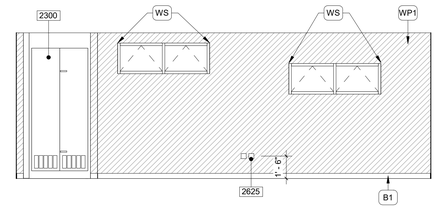
3 CLASSROOM - SOUTH ELEVATION - A - BUILDING E
1/4" = 1'-0"



5 CLASSROOM - SOUTH ELEVATION - (E104) - BUILDING E
1/4" = 1'-0"



2 CLASSROOM - EAST ELEVATION - BUILDING E
1/4" = 1'-0"



1 CLASSROOM - WEST ELEVATION - BUILDING E
1/4" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
1152	SHORT THROW PROJECTOR AND MOUNT, OFCI. FOR ATTACHMENT DETAILS REF. 7/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
1207	SURFACE-MOUNTED CLOCK/SPEAKER COMBO INSTALLED TO MAINTAIN 1" MINIMUM CLEARANCE TO ACCESSIBLE CEILING. USE RECESSED BACKBOX SECURED TO WALL STUD WITH #10 x 1" SCREWS TO MOUNT DEVICE.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2620	MOTORIZED WINDOW SWITCH PER MODULAR BUILDING MFR. DRAWINGS
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2626	2-PORT DATA, DUPLEX POWER RECEPTACLE AND AV2 PLATE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
2642	LIGHT SWITCH
2649	EXIT SIGN

LEGEND

GLAZING

OPERABLE AWNING TYPE WINDOW

M — MOTORIZED - OPERABLE AWNING TYPE WINDOW

TACKABLE SURFACE REFERENCE FINISH LEGEND

ABC — FINISH CALL OUT REF. FINISH LEGEND ON SHEET

1234 — KEYNOTE

WALL FINISH SCHEDULE

WD1 — 3/4" FRT PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0-A OF MODULAR MANUFACTURER'S DRAWINGS PLYWOOD TO BE INSTALLED UP TO DOOR FRAME ONLY. DO NOT EXTEND BEHIND DOOR FRAME.

WP1 — FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD ; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: BREAKWATER

WP2 — FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: ROCKPORT

MILLWORK FINISH SCHEDULE

PL1 — PLASTIC LAMINATE, MANUFACTURER: WILSONART, COLOR: BEIGEWOOD, FINISH: MATTE

SS1 — SOLID SURFACE - MANUFACTURER: WILSONART, COLOR: FROSTY WHITE MIRAGE

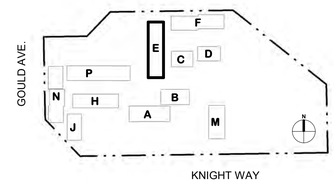
WALL BASE FINISH SCHEDULE

B1 — 4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS

MISC. FINISH SCHEDULE

WS — WINDOW SHADES - MANUFACTURER: MECHOSHADE SERIES : SOHO 1100 SERIES, OPENESS FACTOR: 1%, COLOR: CHARCOAL

KEY PLAN



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

0' 4' 8' 16'

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PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HENRY R. DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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03/20/2026	DSA V3

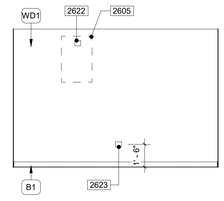
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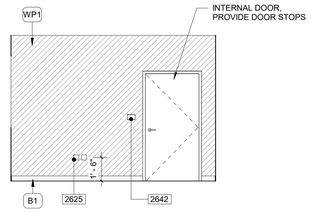
INTERIOR ELEVATIONS - BLDG E

5A4.13

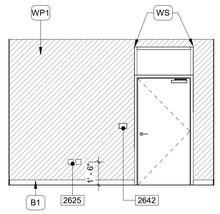
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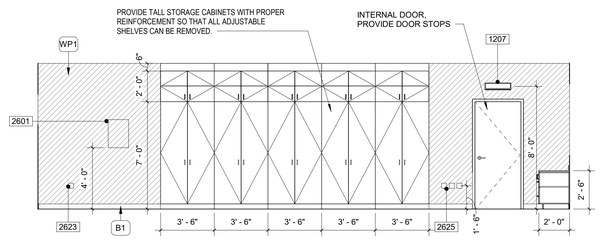
16 E108 - UTILITY ROOM - EAST
1/4" = 1'-0"



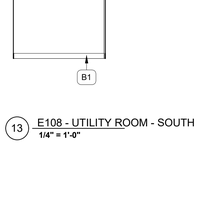
12 E107 - PE OFFICE - EAST
1/4" = 1'-0"



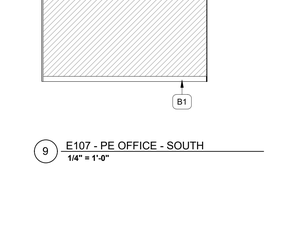
8 E109 - PE UTILITY - EAST
1/4" = 1'-0"



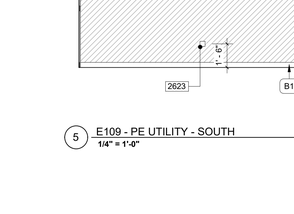
2 E101 - OT/PT - NORTH
1/4" = 1'-0"



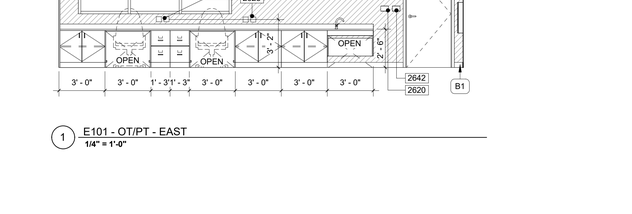
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1/4" = 1'-0"



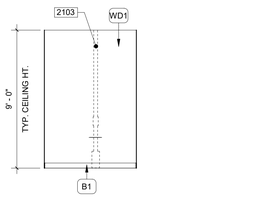
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1/4" = 1'-0"



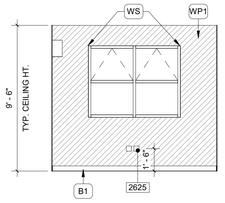
7 E109 - PE UTILITY - WEST
1/4" = 1'-0"



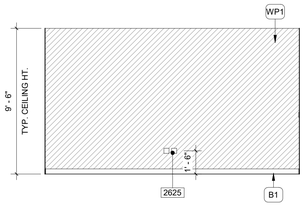
3 E101 - OT/PT - SOUTH
1/4" = 1'-0"



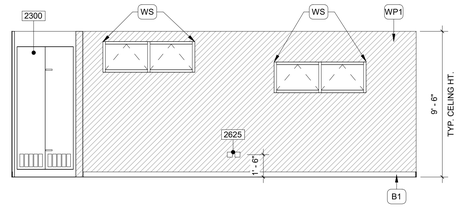
14 E108 - UTILITY ROOM - NORTH
1/4" = 1'-0"



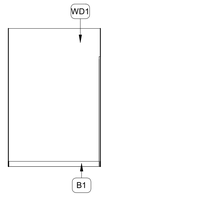
10 E107 - PE OFFICE - NORTH
1/4" = 1'-0"



6 E109 - PE UTILITY - NORTH
1/4" = 1'-0"

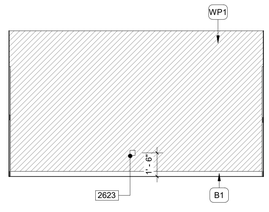


4 E101 - OT/PT - WEST
1/4" = 1'-0"

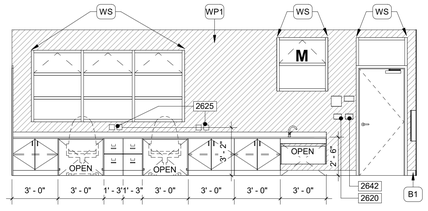


13 E108 - UTILITY ROOM - SOUTH
1/4" = 1'-0"

9 E107 - PE OFFICE - SOUTH
1/4" = 1'-0"



5 E109 - PE UTILITY - SOUTH
1/4" = 1'-0"



1 E101 - OT/PT - EAST
1/4" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
1152	SHORT THROW PROJECTOR AND MOUNT, OFCI. FOR ATTACHMENT DETAILS REF. 7/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
1207	SURFACE-MOUNTED CLOCK/SPEAKER COMBO INSTALLED TO MAINTAIN 1" MINIMUM CLEARANCE TO ACCESSIBLE CEILING. USE RECESSED BACKBOX SECURED TO WALL STUD WITH #10 x 1" SCREWS TO MOUNT DEVICE.
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2605	IDF CABINET, OFCI. MOD BLDG MFR. TO PROVIDE BLOCKING.
2620	MOTORIZED WINDOW SWITCH PER MODULAR BUILDING MFR. DRAWINGS
2622	QUAD POWER RECEPTACLE
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
2642	LIGHT SWITCH

LEGEND

GLAZING

OPERABLE AWNING TYPE WINDOW

M — MOTORIZED - OPERABLE AWNING TYPE WINDOW

TACKABLE SURFACE REFERENCE FINISH LEGEND

ABC — FINISH CALL OUT REF. FINISH LEGEND ON SHEET

1234 — KEYNOTE

WALL FINISH SCHEDULE

WD1 — 3/4" FRT PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0-A OF MODULAR MANUFACTURER'S DRAWINGS PLYWOOD TO BE INSTALLED UP TO DOOR FRAME ONLY. DO NOT EXTEND BEHIND DOOR FRAME.

WP1 — FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD ; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: BREAKWATER

WP2 — FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: ROCKPORT

MILLWORK FINISH SCHEDULE

PL1 — PLASTIC LAMINATE, MANUFACTURER: WILSONART, COLOR: BEIGEWOOD, FINISH: MATTE

SS1 — SOLID SURFACE - MANUFACTURER: WILSONART, COLOR: FROSTY WHITE MIRAGE

WALL BASE FINISH SCHEDULE

B1 — 4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS

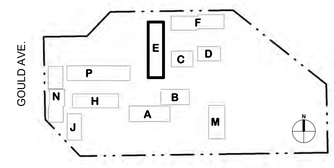
MISC. FINISH SCHEDULE

WS — WINDOW SHADES - MANUFACTURER: MECHOSHADE SERIES : SOHO 1100 SERIES, OPENESS FACTOR: 1%, COLOR: CHARCOAL

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
4. AT NEW DOOR OPENINGS, LOCATE DOOR 4" MINIMUM FROM ADJACENT WALL, ULESS OTHERWISE NOTED.
5. PER CBC 1003.4, CIRCULATION PATHS OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
6. ALL FURNITURE SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED WITHIN THE SCOPE OF WORK.
7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF: 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13.
9. MODULAR BUILDINGS & LUNCH SHELTER TO BE CONSTRUCTED PER MANUFACTURER'S CONSTRUCTION DOCUMENTS. ARCHITECTURAL DRAWINGS TO BE USED FOR COORDINATION ONLY.
10. 2" THICK NON-STRUCTURAL CONCRETE SLURRY UNDER BUILDING TO BE PROVIDED BY SITE CONTRACTOR PER MODULAR BUILDING MANUFACTURER STRUCTURAL DRAWINGS.
11. SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

KEY PLAN



SCALE: 1/4"=1'0"

0' 2' 4' 6'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R. DRAKE
NO. C-014889
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

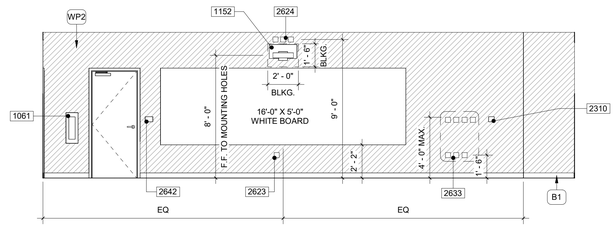
#	REVISION DATE	DESCRIPTION

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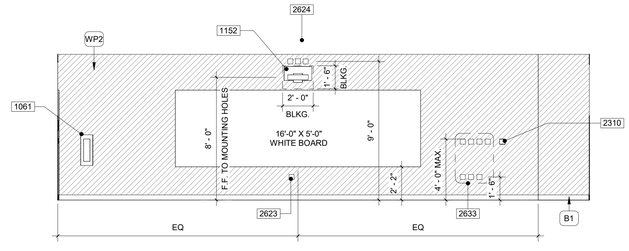
INTERIOR ELEVATIONS - BLDG E

5A4.14

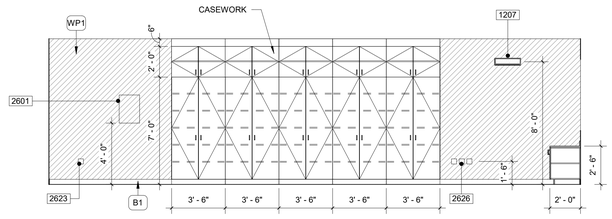
SCALE: AS INDICATED



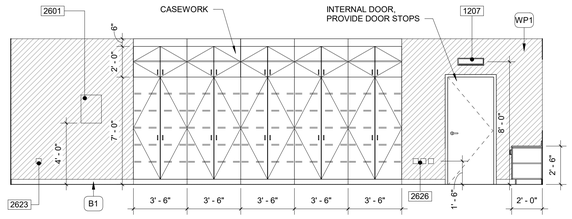
7 CLASSROOM - WEST ELEVATION - B - BUILDING F
1/4" = 1'-0"



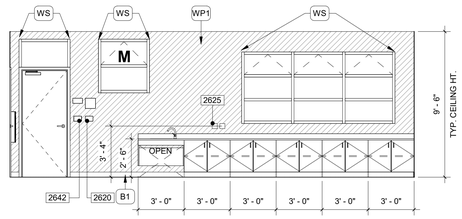
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1/4" = 1'-0"



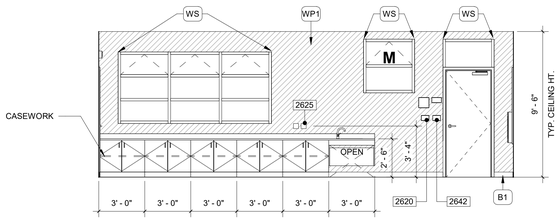
6 CLASSROOM - EAST ELEVATION - B - BUILDING F
1/4" = 1'-0"



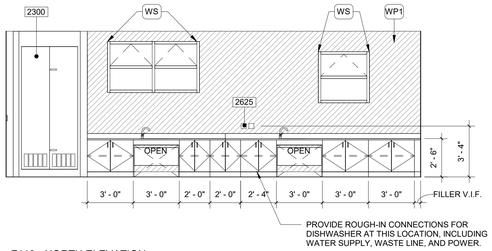
3 CLASSROOM - EAST ELEVATION - A - BUILDING F
1/4" = 1'-0"



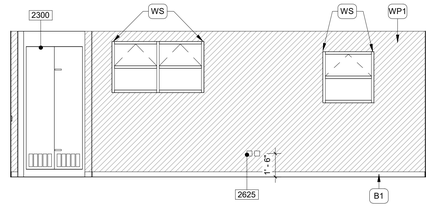
5 CLASSROOM - SOUTH ELEVATION - B - BUILDING F
1/4" = 1'-0"



2 CLASSROOM - SOUTH ELEVATION - A - BUILDING F
1/4" = 1'-0"



8 F113 - NORTH ELEVATION
1/4" = 1'-0"



NOTE: ELEVATION MIRRORED FOR CLASSROOM F111

1 CLASSROOM - NORTH ELEVATION - BUILDING F
1/4" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

1061	FIRE EXTINGUISHER & CABINET PER MODULAR BUILDING MFR. DRAWINGS. FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL
1152	SHORT THROW PROJECTOR AND MOUNT, OFCI. FOR ATTACHMENT DETAILS REF. 7/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
1207	SURFACE-MOUNTED CLOCK/SPEAKER COMBO INSTALLED TO MAINTAIN 1" MINIMUM CLEARANCE TO ACCESSIBLE CEILING. USE RECESSED BACKBOX SECURED TO WALL STUD WITH #10 x 1" SCREWS TO MOUNT DEVICE.
2300	HVAC EQUIPMENT PER MOD. BLDG. MFR. DRAWINGS
2310	THERMOSTAT. PROVIDE POWER TO THERMOSTAT LOCATION. SEE ELECTRICAL AND MODULAR BUILDING MANUFACTURER DRAWINGS FOR POWER REQUIREMENTS AND ROUTING.
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2620	MOTORIZED WINDOW SWITCH PER MODULAR BUILDING MFR. DRAWINGS
2623	DUPLEX POWER RECEPTACLE
2624	1-PORT DATA, DUPLEX POWER RECEPTACLE AND AV3 PLATE, PER ELECTRICAL DRAWINGS.
2625	2-PORT DATA AND DUPLEX POWER RECEPTACLE, PER ELECTRICAL DRAWINGS.
2626	2-PORT DATA, DUPLEX POWER RECEPTACLE AND AV2 PLATE, PER ELECTRICAL DRAWINGS.
2633	TEACHER'S MAIN AV DATA, ALS, PHONE AND POWER CONTROL PANEL SEE ELECTRICAL, SECURITY, FIRE ALARM, AND TELECOM DRAWINGS. DEVICES TO BE INSTALLED 44" A.F.F. O.C. (MAX OF 48" A.F.F. TO TOP OF DEVICE)
2642	LIGHT SWITCH

LEGEND

- GLAZING
- OPERABLE AWNING TYPE WINDOW
- M — MOTORIZED - OPERABLE AWNING TYPE WINDOW
- TACKABLE SURFACE REFERENCE FINISH LEGEND
- ABC — FINISH CALL OUT REF. FINISH LEGEND ON SHEET
- 1234 — KEYNOTE

WALL FINISH SCHEDULE

WD1	3/4" FRT PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0-A OF MODULAR MANUFACTURER'S DRAWINGS PLYWOOD TO BE INSTALLED UP TO DOOR FRAME ONLY. DO NOT EXTEND BEHIND DOOR FRAME.
WP1	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD ; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: BREAKWATER
WP2	FABRIC WRAPPED TACKABLE WALL PANEL OVER GYP. BOARD; 1/2" LAMVIN PANEL WRAPPED WITH TACKABLE WALCOVERING, MANUFACTURER: KOROSEAL. STYLE: HARBORWEAVE II, COLOR: ROCKPORT

MILLWORK FINISH SCHEDULE

PL1	PLASTIC LAMINATE, MANUFACTURER: WILSONART, COLOR: BEIGEWOOD, FINISH: MATTE
SS1	SOLID SURFACE - MANUFACTURER: WILSONART, COLOR: FROSTY WHITE MIRAGE

WALL BASE FINISH SCHEDULE

B1	4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS

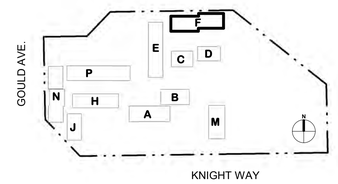
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KEY PLAN



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LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY R. DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

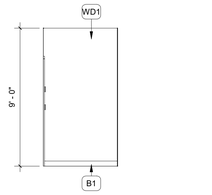
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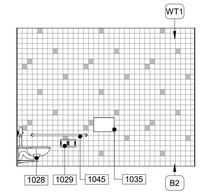
INTERIOR ELEVATIONS - BLDG F

5A4.15

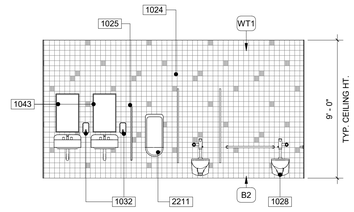
SCALE: AS INDICATED



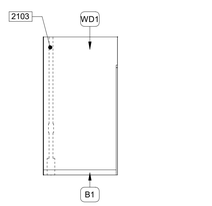
13 D105 - FIRE RISER RM. - WEST
1/4" = 1'-0"



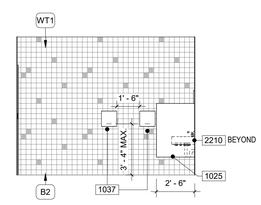
9 D103 - BOY'S R.R. - NORTH
1/4" = 1'-0"



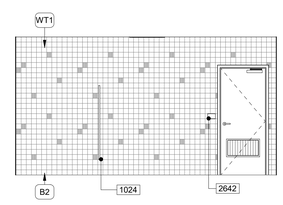
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1/4" = 1'-0"



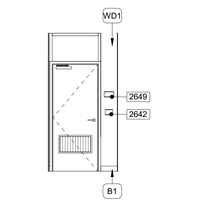
12 D105 - FIRE RISER RM. - EAST
1/4" = 1'-0"



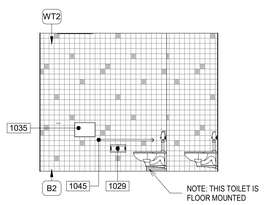
7 D103 - BOY'S R.R. - SOUTH
1/4" = 1'-0"



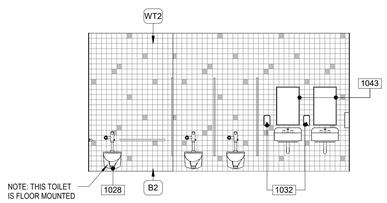
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1/4" = 1'-0"



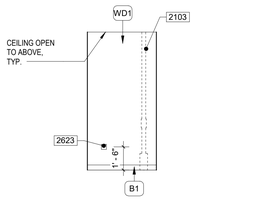
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1/4" = 1'-0"



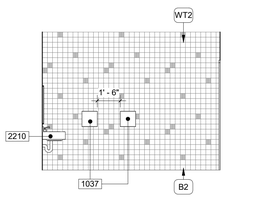
5 D104 - GIRL'S R.R. - SOUTH
1/4" = 1'-0"



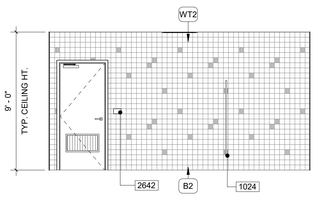
4 D104 - GIRL'S R.R. - WEST
1/4" = 1'-0"



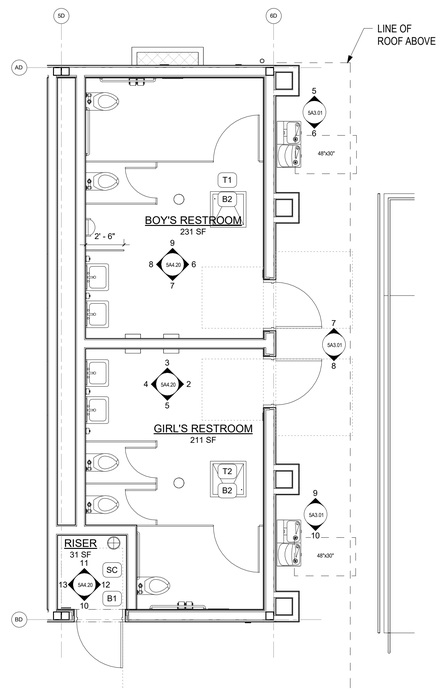
11 D105 - FIRE RISER RM. - NORTH
1/4" = 1'-0"



3 D104 - GIRL'S R.R. - NORTH
1/4" = 1'-0"



2 D104 - GIRL'S R.R. - EAST
1/4" = 1'-0"



1 (N) BUILDING D - ENLARGED RESTROOM PLAN
1/4" = 1'-0"

KEYNOTE LEGEND

1024	TOILET PARTITION
1025	URINAL PARTITION (2'-6" DEPTH)
1028	ACCESSIBLE TOILET
1029	TOILET PAPER DISPENSER
1032	SOAP DISPENSER
1035	TOILET SEAT COVER DISPENSER
1037	HAND DRYER
1043	MIRROR
1045	GRAB BAR
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2210	ACCESSIBLE LAVATORY
2211	ACCESSIBLE URINAL
2623	DUPLEX POWER RECEPTACLE
2642	LIGHT SWITCH
2649	EXIT SIGN

LEGEND

ABC	FINISH CALL OUT REF. FINISH LEGEND ON SHEET
1234	KEYNOTE

WALL FINISH SCHEDULE

WD1	3/4" PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0 OF MODULAR MANUFACTURER'S DRAWINGS
WT1	WALL TILE, MANUFACTURER: DALTILE, SERIES: COLORWHEEL CLASSIC, BASE COLOR: BISCUIT, ACCENT COLOR: WATERFALL, SIZE: 4 X 4, GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
WT2	WALL TILE, MANUFACTURER: DALTILE, SERIES: COLORWHEEL CLASSIC, BASE COLOR: BISCUIT, ACCENT COLOR: SPA, SIZE: 4 X 4, GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
WR	WATER RESISTANT GYPSUM BOARD
FRP	FIBERGLASS REINFORCED PLASTIC PANELS

WALL BASE FINISH SCHEDULE

B1	4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS
B2	TILE BASE - MANUFACTURER: DALTILE, PROFILE: COVE BASE 4 X 4 COLOR: BISCUIT

FLOOR FINISH SCHEDULE

T1	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: WATERFALL, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
T2	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: SPA, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
SC	SEALED CONCRETE

MISC. FINISH SCHEDULE

TP1	TOILET PARTITION. MFR.: ASI GLOBAL PARTITIONS MATERIAL: SOLID PLASTIC (HPDE), COLOR: AZURE
TP2	TOILET PARTITION. MFR.: ASI GLOBAL PARTITIONS MATERIAL: SOLID PLASTIC (HPDE), COLOR: MOSS

GENERAL NOTES

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7. PROVIDE SHADES AT ALL EXTERIOR WINDOWS BY MODULAR BUILDING MANUFACTURER.
8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF. 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13.
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KEY PLAN



SCALE: 1/4"=1'0"
0' 2' 4' 6'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R. DRAGE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

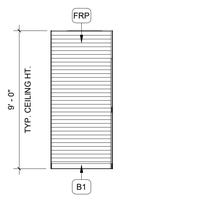
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RESTROOM INT. ELEVATIONS - (N) BUILDING D

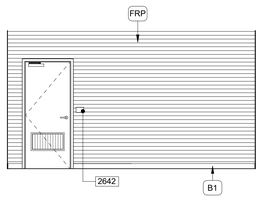
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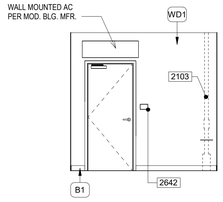
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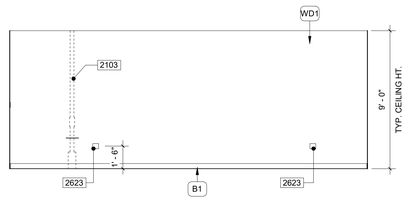
24 F101 - JANITOR - WEST
1/4" = 1'-0"



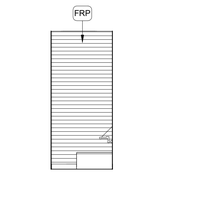
22 F101 - JANITOR - NORTH
1/4" = 1'-0"



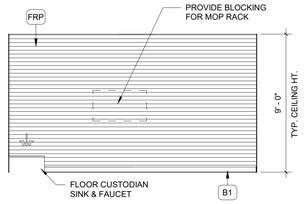
20 F108 - UTILITY ROOM - NORTH
1/4" = 1'-0"



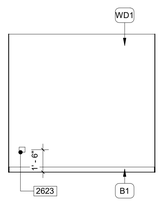
18 F108 - UTILITY ROOM - EAST
1/4" = 1'-0"



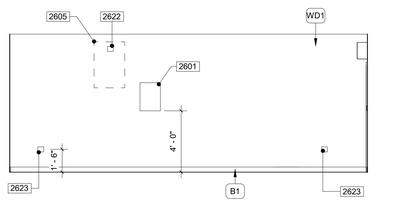
23 F101 - JANITOR - EAST
1/4" = 1'-0"



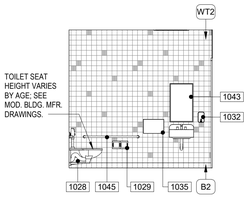
21 F101 - JANITOR - SOUTH
1/4" = 1'-0"



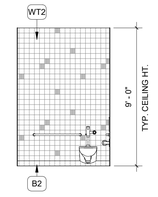
19 F108 - UTILITY ROOM - SOUTH
1/4" = 1'-0"



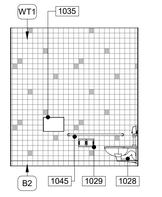
17 F108 - UTILITY ROOM - WEST
1/4" = 1'-0"



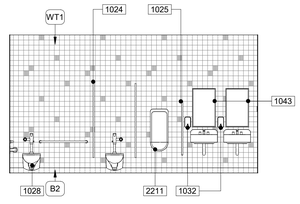
16 STAFF / ALL GENDER R.R. - B - EAST
1/4" = 1'-0"



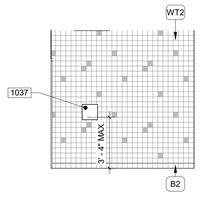
14 STAFF / ALL GENDER R.R. - B - NORTH
1/4" = 1'-0"



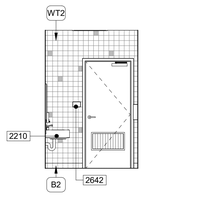
12 F111 - BOY'S R.R. - EAST
1/4" = 1'-0"



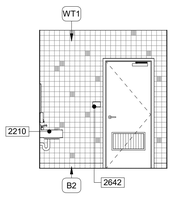
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1/4" = 1'-0"



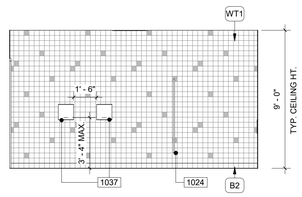
15 STAFF / ALL GENDER R.R. - B - WEST
1/4" = 1'-0"



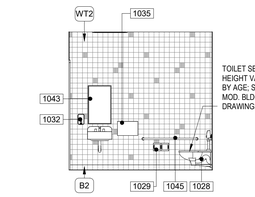
13 STAFF / ALL GENDER R.R. - B - SOUTH
1/4" = 1'-0"



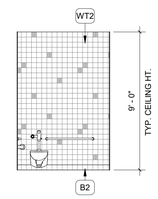
11 F111 - BOY'S R.R. - WEST
1/4" = 1'-0"



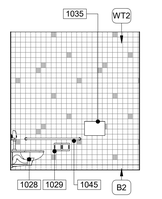
9 F111 - BOY'S R.R. - NORTH
1/4" = 1'-0"



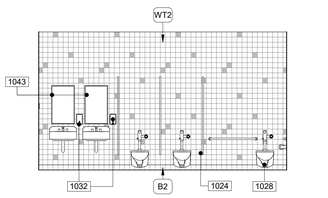
8 STAFF / ALL GENDER R.R. - A - WEST
1/4" = 1'-0"



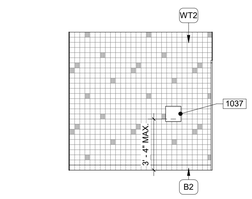
6 STAFF / ALL GENDER R.R. - A - NORTH
1/4" = 1'-0"



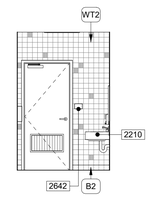
4 F110 - GIRL'S R.R. - EAST
1/4" = 1'-0"



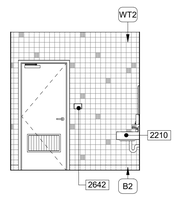
2 F110 - GIRL'S R.R. - NORTH
1/4" = 1'-0"



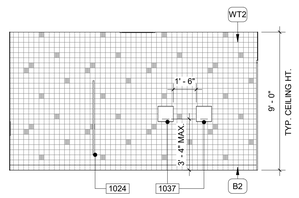
7 STAFF / ALL GENDER R.R. - A - EAST
1/4" = 1'-0"



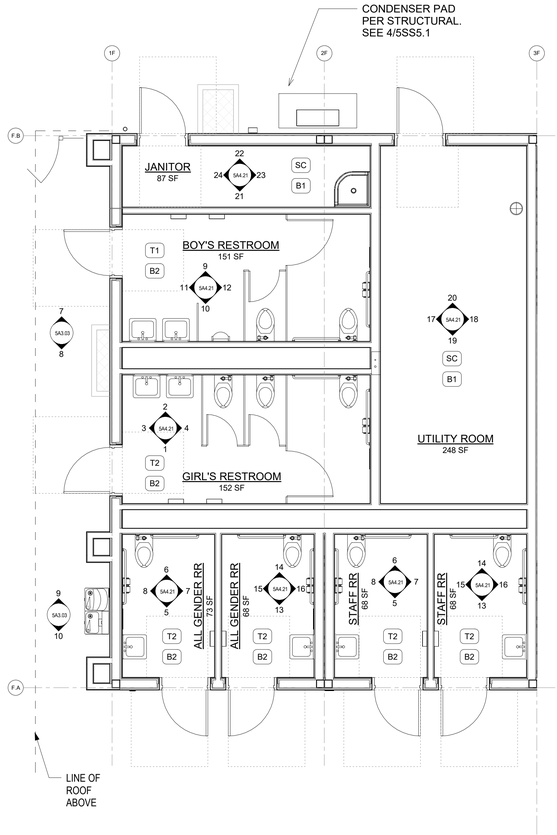
5 STAFF / ALL GENDER R.R. - A - SOUTH
1/4" = 1'-0"



3 F110 - GIRL'S R.R. - WEST
1/4" = 1'-0"



1 F110 - GIRL'S R.R. - SOUTH
1/4" = 1'-0"



26 (N) BUILDING F - ENLARGED RESTROOM PLAN
1/4" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

KEYNOTE LEGEND

1024	TOILET PARTITION
1025	URINAL PARTITION (2'-6" DEPTH)
1028	ACCESSIBLE TOILET
1029	TOILET PAPER DISPENSER
1032	SOAP DISPENSER
1035	TOILET SEAT COVER DISPENSER
1037	HAND DRYER
1043	MIRROR
1045	GRAB BAR
2103	FIRE RISER PER MOD. BLDG. MFR. INCLUDE TEST DRAIN HUB PER NFPA 13 REQUIREMENTS.
2210	ACCESSIBLE LAVATORY
2211	ACCESSIBLE URINAL
2601	ELECTRICAL PANEL. FOR ATTACHMENT DETAILS REF. 6/E1.2A-A OF MODULAR BUILDING MANUFACTURER'S DRAWINGS.
2605	IDF CABINET, OFCI. MOD BLDG MFR. TO PROVIDE BLOCKING.
2622	QUAD POWER RECEPTACLE
2623	DUPLEX POWER RECEPTACLE
2642	LIGHT SWITCH

LEGEND

ABC	FINISH CALL OUT REF. FINISH LEGEND ON SHEET
1234	KEYNOTE

WALL FINISH SCHEDULE

WD1	3/4" PLYWOOD W/(2)COATS OF WHITE FIRE RETARDANT PAINT PER N3.0 OF MODULAR MANUFACTURER'S DRAWINGS
WT1	WALL TILE, MANUFACTURER: DALTILE, SERIES: COLORWHEEL CLASSIC, BASE COLOR: BISCUIT, ACCENT COLOR: WATERFALL, SIZE: 4 X 4, GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
WT2	WALL TILE, MANUFACTURER: DALTILE, SERIES: COLORWHEEL CLASSIC, BASE COLOR: BISCUIT, ACCENT COLOR: SPA, SIZE: 4 X 4, GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
WR	WATER RESISTANT GYPSUM BOARD
FRP	FIBERGLASS REINFORCED PLASTIC PANELS

WALL BASE FINISH SCHEDULE

B1	4" RUBBER BASE - MANUFACTURER: ROPPE SERIES: 700, COLOR: SMOKE. NOTE: BASE TO BE CONTINUOS
B2	TILE BASE - MANUFACTURER: DALTILE, PROFILE: COVE BASE 4 X 4 COLOR: BISCUIT

FLOOR FINISH SCHEDULE

T1	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: WATERFALL, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
T2	FLOOR TILE - MANUFACTURER: DALTILE SERIES: KEYSTONES, COLOR: SPA, SIZE: 2 x 2 GROUT: MFR.: PRISM, COLOR: #09 NATURAL GRAY
SC	SEALED CONCRETE

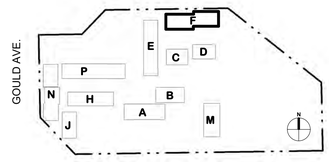
MISC. FINISH SCHEDULE

TP1	TOILET PARTITION. MFR.: ASI GLOBAL PARTITIONS MATERIAL: SOLID PLASTIC (HPDE), COLOR: AZURE
TP2	TOILET PARTITION. MFR.: ASI GLOBAL PARTITIONS MATERIAL: SOLID PLASTIC (HPDE), COLOR: MOSS

GENERAL NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR THE SELECTED FINISHES.
2. FLOOR FINISHES TO CONTINUE UNDER CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN FOR FINISHES.
3. PROVIDE FIRE EXTINGUISHER CABINET IN EACH ROOM AND AS REQUIRED AND AS SHOWN ON THE PLANS. FIRE EXTINGUISHER AND CABINET TO BE PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED AND SHALL BEAR THE FM SEAL OF APPROVAL.
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8. ASSISTIVE LISTENING SYSTEM TO BE PROVIDED AT ALL CLASSROOMS. FOR SITE AND SYSTEM SPECIFIC CALCULATIONS REF. 5/5A10.01. FOR SIGNAGE LOCATION REF. 1/5A2.13
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KEY PLAN



SCALE: 1/4"=1'0"
0' 2' 4' 6'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R. DAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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12/05/2025	DSA V2
03/20/2026	DSA V3

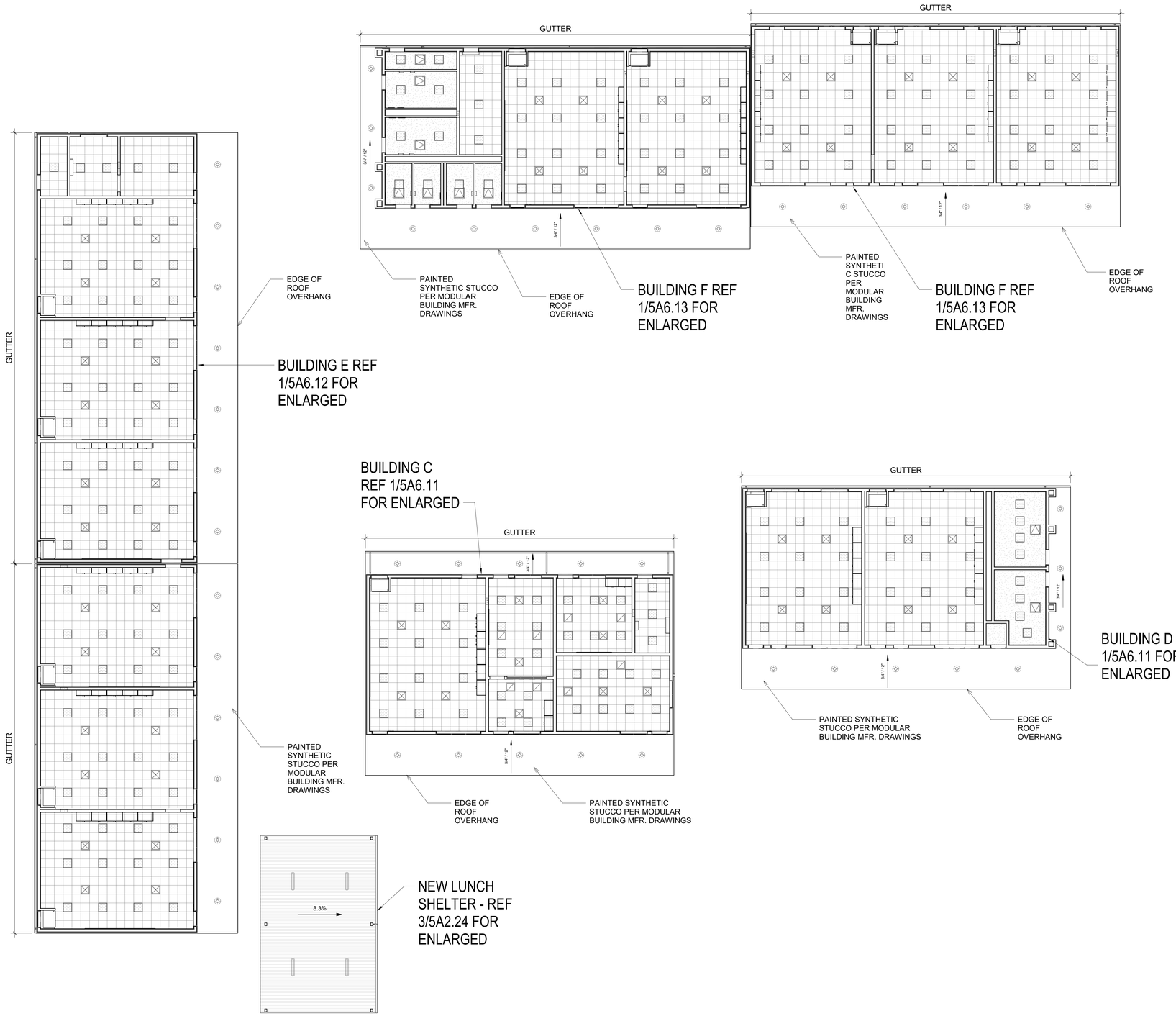
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

RESTROOM INT. ELEVATIONS - (N) BUILDING F

5A4.21

SCALE: AS INDICATED



1 (N) ALL BUILDING RCP
1" = 10'-0"

NORTH

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
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Practice
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LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1865

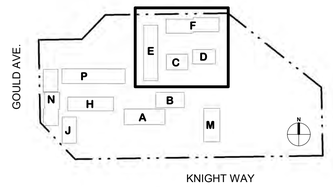
GENERAL NOTES:

1. DELAY INSTALLATION OF ACOUSTICAL CEILING TILES (ACT) UNTIL ALL OVERHEAD WORK, INCLUDING MEP ROUGH-IN AND INSPECTIONS, IS COMPLETE. TYPICAL FOR ALL BUILDINGS.

CEILING LEGEND

- GYPSUM BOARD CEILING
- 2' x 2' SUSPENDED T-BAR CEILING & GRID
- 2' x 2' LED DROP IN FIXTURE PER MODUAR BUILDING MFR. RCP DRAWINGS (REF. M1.0 SERIES)
- EXTERIOR MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS REF. 5E1.20
- TYPICAL 4-WAY SUPPLY AIR REGISTER PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1 SERIES)
- TYPICAL RETURN PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1.1 SERIES)
- TYPICAL ACCESS PANEL PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1.1 SERIES)
- +0.0' CEILING HEIGHT

KEY PLAN



SCALE: 1/16" = 1'-0"
0' 8' 16' 32'

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HENRY R DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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03/20/2026	DSA V3

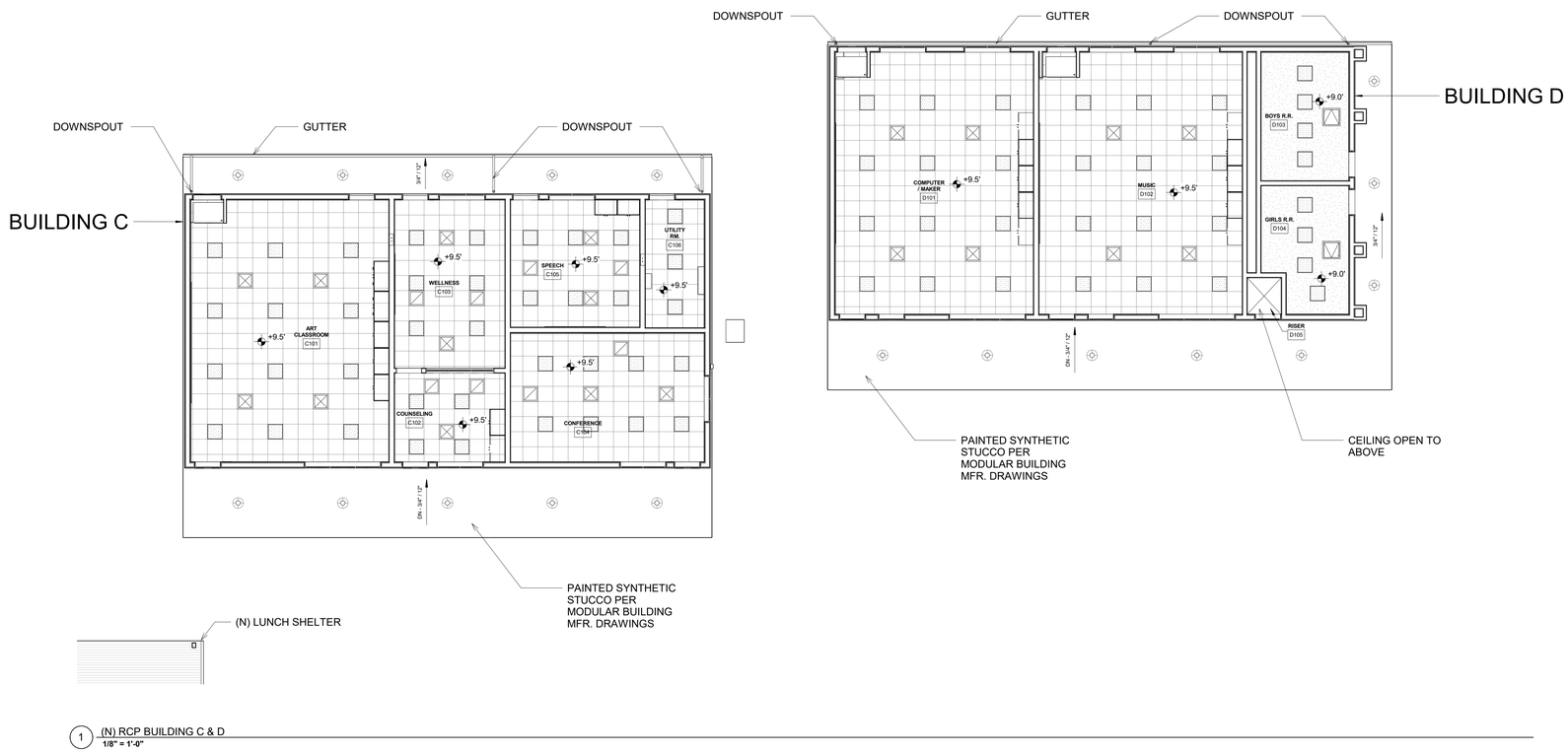
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

OVERALL RCP - (N) BUILDINGS C/D/E/F

5A6.10

SCALE: AS INDICATED



1 (N) RCP BUILDING C & D
1/8" = 1'-0"

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

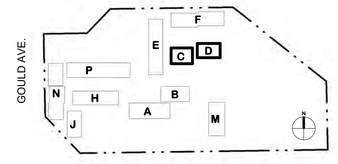
GENERAL NOTES:

1. DELAY INSTALLATION OF ACOUSTICAL CEILING TILES (ACT) UNTIL ALL OVERHEAD WORK, INCLUDING MEP ROUGH-IN AND INSPECTIONS, IS COMPLETE. TYPICAL FOR ALL BUILDINGS.

CEILING LEGEND

- GYPSUM BOARD CEILING
- 2' x 2' SUSPENDED T-BAR CEILING & GRID
- 2' x 2' LED DROP IN FIXTURE PER MODUAR BUILDING MFR. RCP DRAWINGS (REF. M1.0 SERIES)
- EXTERIOR MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS REF. 5E1.20
- TYPICAL 4-WAY SUPPLY AIR REGISTER PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1 SERIES)
- TYPICAL RETURN PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1.1 SERIES)
- TYPICAL ACCESS PANEL PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1.1 SERIES)
- +0.0' CEILING HEIGHT

KEY PLAN



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

0' 4' 8' 16'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

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HARRY R DRAKE
NO. C-014869
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08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

DRAWING TITLE

ENLARED RCP - (N) BUILDINGS C & D

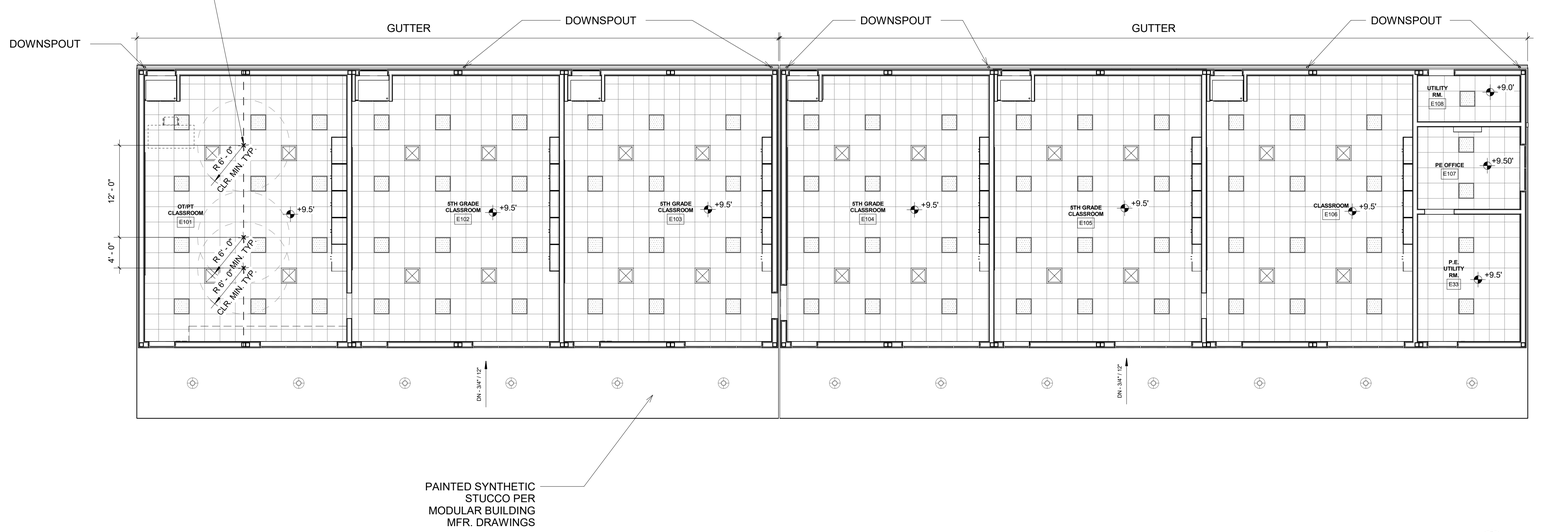
5A6.11

SCALE: AS INDICATED

SOUTHPAW PREFAB JOIST INSTALLATION KIT FOR SUSPENSION HARDWARE IN OTPT CLASSROOM E101:

4 SOUTHPAW PREFAB JOIST INSTALLATION KIT FOR SUSPENSION HARDWARE ALIGNED TO STRUCTURAL BEAM. CONNECTION TO CLEAR PAST DROPPED CEILING. SEE MODULAR BUILDING MANUFACTURER'S DRAWINGS.

IF THE DISTANCE BETWEEN THE BOTTOM OF THE JOIST AND THE SUSPENDED CEILING IS BETWEEN 1'-3' USE ITEM 7051



1 (N) RCP BUILDING E
1/8" = 1'-0"

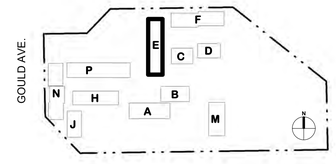
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- TYPICAL ACCESS PANEL PER MODUAR BUILDING MFR. MECHANICAL DRAWINGS (REF. M1.1 SERIES)
- +0.0' CEILING HEIGHT

KEY PLAN



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

0' 4' 8' 16'

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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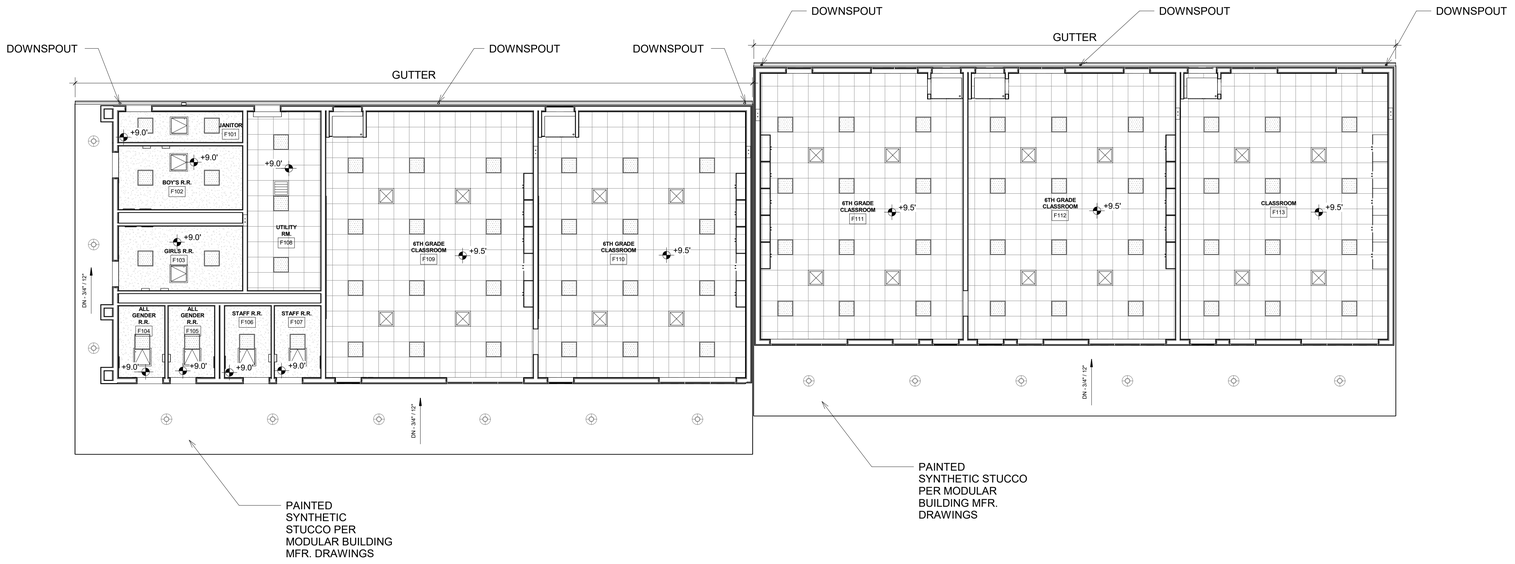
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

ENLARGED RCP - (N) BUILDING E

5A6.12

SCALE: AS INDICATED



1 (N) RCP BUILDING F
1/8" = 1'-0"

NORTH

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

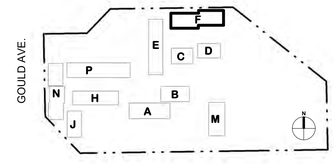
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KEY PLAN



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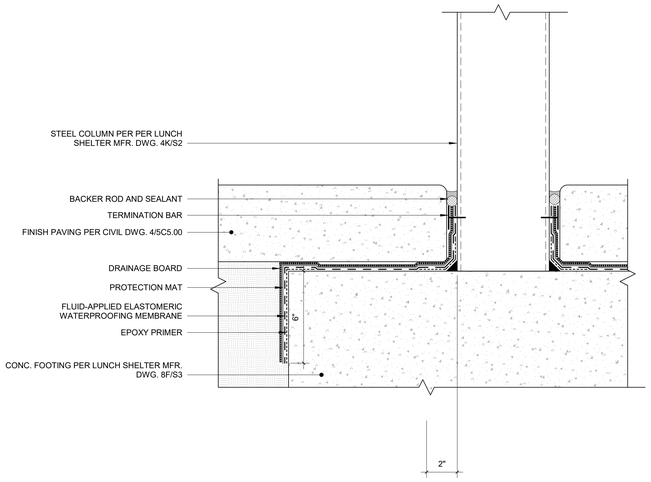
#	REVISION DATE	DESCRIPTION

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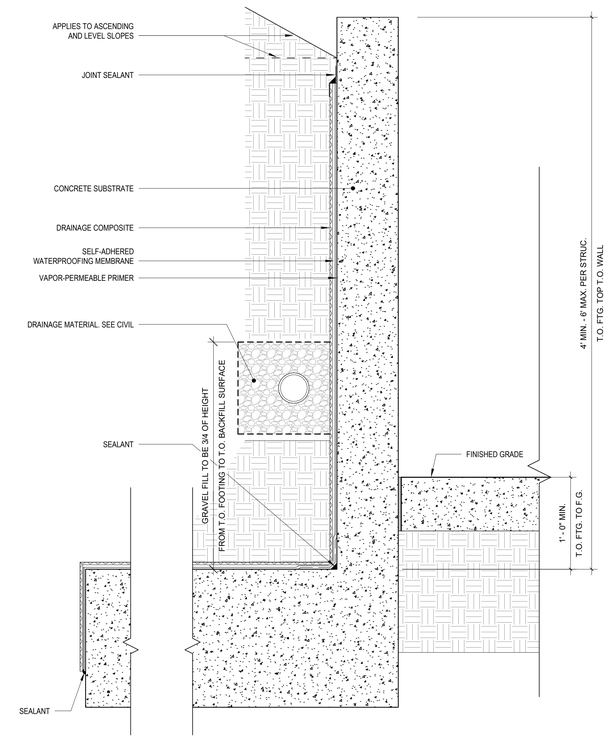
ENLARGED RCP - (N) BUILDING F

5A6.13

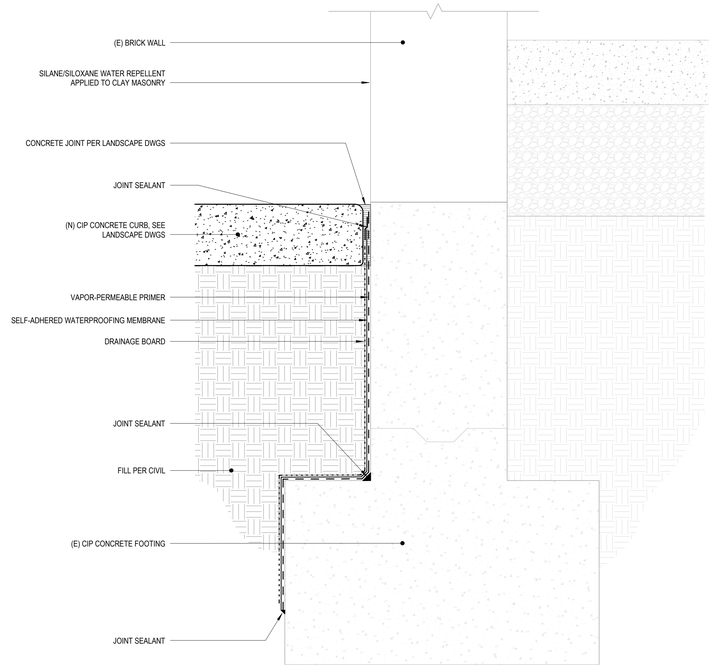
SCALE: AS INDICATED



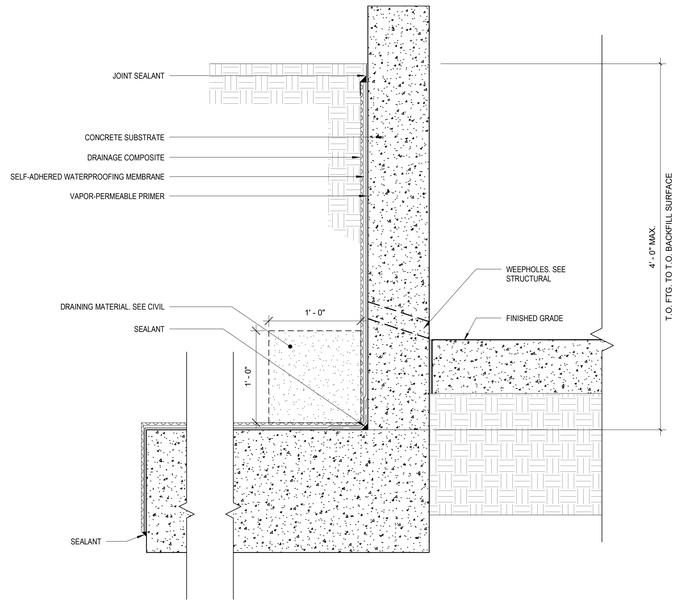
4 CORROSION PROTECTION @ LUNCH SHELTER COLUMN
3" = 1'-0"



2 WATERPROOFING @ RET. WALLS OVER 4'
1 1/2" = 1'-0"



3 WATERPROOFING @ EXISTING BUILDING FOOTING
3" = 1'-0"



1 WATERPROOFING @ RET. WALLS UNDER 4'
1 1/2" = 1'-0"

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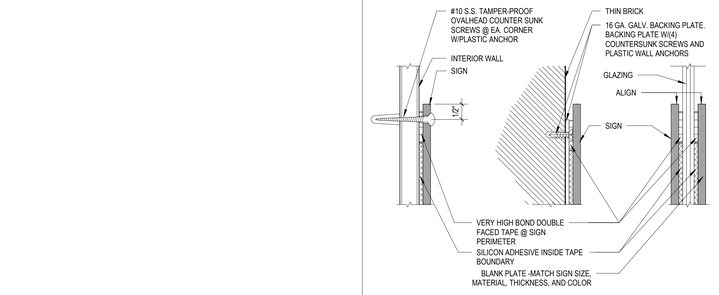
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

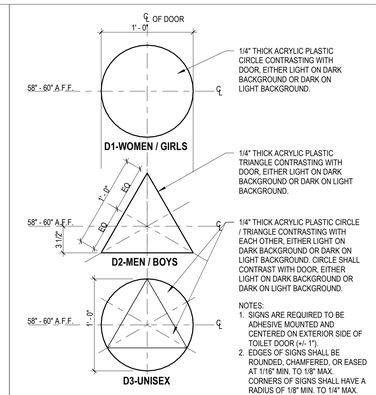
BELOW GRADE WATERPROOFING DETAILS

5A10.00

SCALE: AS INDICATED

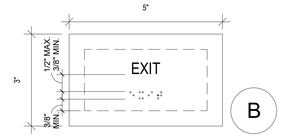


SCALE: 6" = 1'-0" | SIGNAGE MOUNTING DETAIL | 8



NOTES:
1. SIGNS ARE REQUIRED TO BE ADHESIVE MOUNTED AND CENTERED ON EXTERIOR SIDE OF TOILET DOOR (+/- 1").
2. EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED, OR EASED AT 1/16" MIN. TO 1/8" MAX. CORNERS OF SIGNS SHALL HAVE A RADIUS OF 1/8" MIN. TO 1/4" MAX.
3. SIGNS SHALL HAVE NON-GLARE FINISH.

SCALE: 1 1/2" = 1'-0" | TOILET ROOM DOOR SIGNAGE | 3

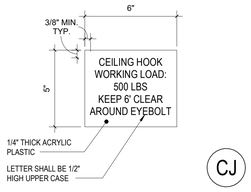


NOTES:
1) ALL SIGNAGE TO BE MOUNTED 48" MIN. A.F.F. TO BASELINE OF BRAILLE AND 60" MAX. A.F.F. TO BASELINE OF FIRST LINE OF TACTILE CHARACTERS.

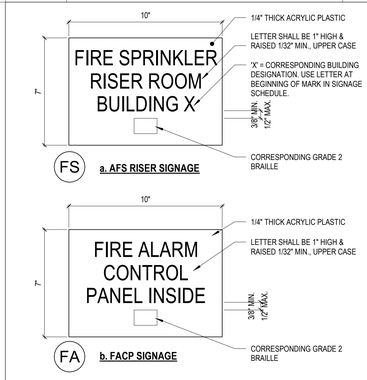
2) CALIFORNIA GRADE 2 BRAILLE W/ DOMED DOTS SHALL BE PROVIDED.

3) REFER TO 11/SA10.01 FOR RAISED 11 / SA10.01 CHARACTER AND BRAILLE REQUIREMENTS.

SCALE: 6" = 1'-0" | ACCESS COMPLIANT EXIT SIGNAGE | 2

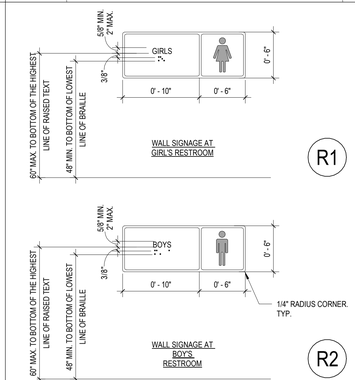


SCALE: 3" = 1'-0" | CEILING JOIST SIGN | 12



NOTES:
1. ALL SIGNAGE TO BE MOUNTED 5'-0" MAX. A.F.F. TO BASELINE OF RAISED LETTER

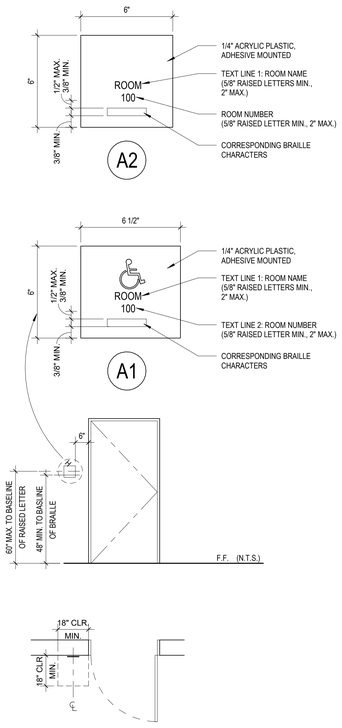
SCALE: 3" = 1'-0" | AFS RISER & FACP SIGNAGE | 7



NOTE:
SIGNS ARE REFERENCED IN PLANS. ATTACHMENT PER MFR. RECOMMENDATIONS.
FOR MOUNTING HEIGHTS SEE 6 / 5A10.01

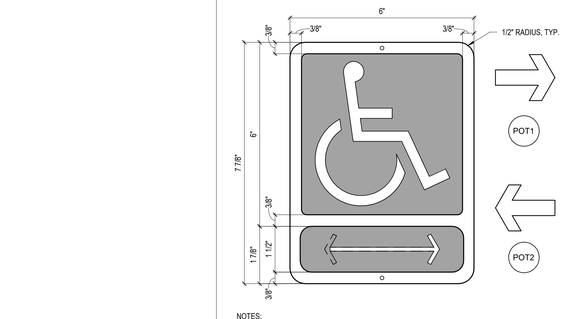
CHARACTER COLOR: 41335SP ANODIC BLACK LRV 4.3; BACKGROUND COLOR: MP55840 COOL GRAY LRV 47.2

SCALE: 1 1/2" = 1'-0" | TOILET WALL SIGNAGE | 4



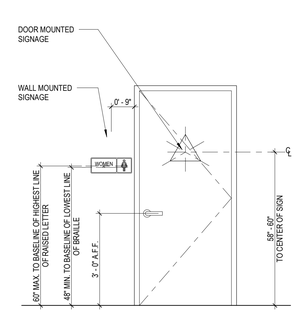
NOTES:
1. FOR ADDITIONAL SIGNAGE INFORMATION SEE FLOOR PLANS.
2. SIGNAGE TEXT TO BE VERIFIED PRIOR TO FABRICATION.
3. 18" MINIMUM x 18" MINIMUM CLEAR FLOOR SPACE CENTERED ON TACTILE CHARACTERS SHALL BE PROVIDED BEYOND THE ARC OF ANY DOOR SWING.
4. FOR MOUNTING SEE 8 / 5A10.01

SCALE: 3" = 1'-0" | ROOM SIGNAGE | 1



NOTES:
1. BORDER AND IMAGE TO BE STENCIL PAINTED W/ WHITE REFLECTORIZED TRAFFIC PAINT AT EXTERIOR SIGNS.
2. BACKGROUND SHALL BE FEDERAL BLUE. THE COLOR BLUE SHOULD APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C.
3. ARROW DIRECTION PER SIGN TYPE SHOWN IN PLAN
4. SIGN MATERIALS: EXT. 12 GA. HOT ROLLED SHEET STEEL. MOUNT W/ FASTENERS TO SUITE BUILDING SUBSTRATE OR FREE-STANDING POST (PER DETAL 13 / SA10.01)

SCALE: 6" = 1'-0" | PATH OF TRAVEL DIRECTIONAL SIGN | 10



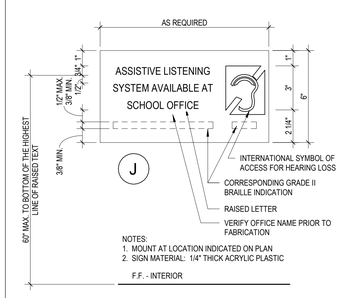
NOTES:
1. FOR MOUNTING DETAIL SEE 8 / 5A10.01

2. IN ADDITION TO DOOR MOUNTED SIGNAGE, RESTROOMS ARE REQUIRED TO PROVIDE SIGNAGE ON THE LATCH SIDE OF THE DOOR.

SCALE: 1/2" = 1'-0" | TOILET ROOM SIGNAGE | 6

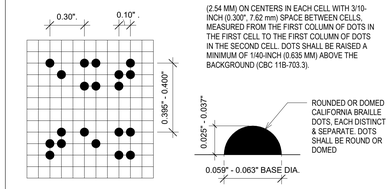
ASSISTIVE LISTENING SYSTEM REQUIREMENTS

REFERENCE AV WIRING DIAGRAM SHEET 5ET0.04, KEYNOTE #8 FOR ALS REQUIREMENTS.



NOTES:
1. MOUNT AT LOCATION INDICATED ON PLAN
2. SIGN MATERIAL: 1/4" THICK ACRYLIC PLASTIC

SCALE: 3" = 1'-0" | ASSISTIVE LISTENING SIGN - J | 5



(2.54 MM) ON CENTERS IN EACH CELL WITH 3/10-INCH (0.300", 7.62 mm) SPACE BETWEEN CELLS, MEASURED FROM THE FIRST COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40-INCH (0.635 MM) ABOVE THE BACKGROUND (CBC 11B-703.3).

1. RAISED CHARACTERS SHALL BE 1/32 INCH MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE UPPERCASE ARIAL NARROW. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF UNUSUAL FORMS. RAISED CHARACTERS SHALL BE DUPLICATED IN BRAILLE PER NOTE 6 BELOW.

2. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

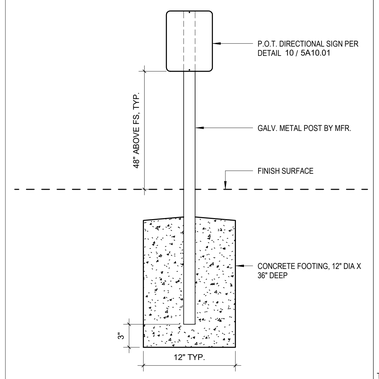
3. RAISED CHARACTERS, PICTOGRAMS PLUS THEIR FIELDS SHALL HAVE A NON-GLARE FINISH. RAISED CHARACTERS PLUS PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD EITHER LIGHT ON DARK FIELD OR DARK ON LIGHT FIELD. FIELD COLOR SHALL CONTRAST WITH ADJACENT SURFACE, EITHER LIGHT ON DARK OR DARK ON LIGHT.

4. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

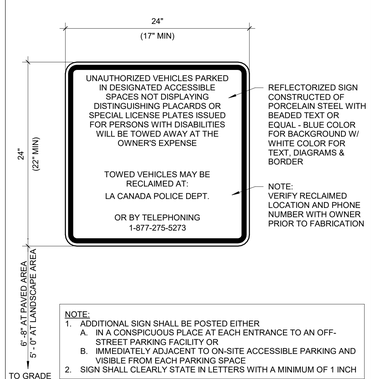
5. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH MINIMUM.

6. BRAILLE SHALL BE CONTRACTED (GRADE 2). BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, AND NAMES; INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

SCALE: N/A | SIGNAGE CHARACTER & BRAILLE REQUIREMENTS | 11



SCALE: 1 1/2" = 1'-0" | FREE-STANDING POST-MOUNTED SIGNAGE | 13



NOTE:
1. ADDITIONAL SIGN SHALL BE POSTED EITHER
   A. IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR
   B. IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE
2. SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM OF 1 INCH

SCALE: 1 1/2" = 1'-0" | UNAUTHORIZED VEHICLE SIGNAGE | 9

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

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135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CANADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HENRY R. DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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#	REVISION DATE	DESCRIPTION

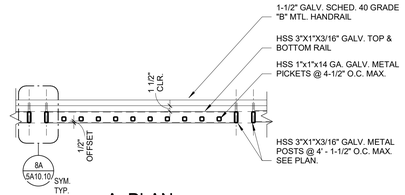
DRAWING TITLE

SIGNAGE DETAILS

5A10.01

SCALE: AS INDICATED

If this sheet is smaller than 30" high by 42" wide then it has been reduced.



A. PLAN

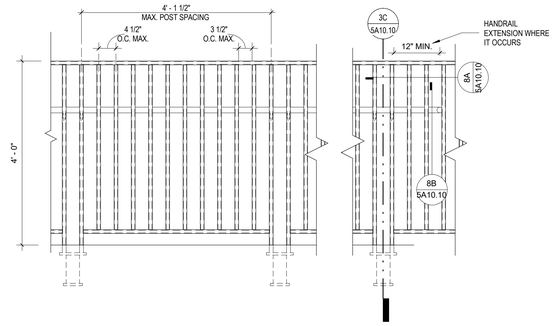
NOTE:
1. RETURN HANDRAIL TO WALL OR DOWN AND BACK TO RAILING POST.

2. GRIND SMOOTH ALL SHARP EDGES. DO NOT GRIND SMOOTH STRUCTURAL OR FILLET WELDS, TYP.

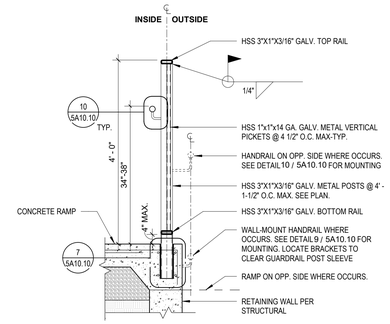
3. ALL POSTS AND PICKETS TO BE HOT-DIPPED GALVANIZED. COLOR TO MATCH NEW BUILDING'S GUARDRAIL.

4. WHERE THE RAMP SURFACE IS NOT BOUNDED BY A WALL OR FENCE AND THE RAMP EXCEEDS 10' IN LENGTH, THE RAMP SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:
   A. A GUIDE CURB AT MIN. OF 2" IN HEIGHT SHALL BE PROVIDED AT EACH SIDE OF THE RAMP; OR
   B. A WHEEL GUIDE RAIL SHALL BE PROVIDED, CENTERED 3" ± 1" ABOVE THE SURFACE OF THE RAMP

5. GUARDRAIL AND HANDRAIL ASSEMBLY PAINTED TO MATCH PAINT @ BUILDING GUARDRAIL.



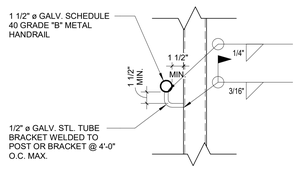
B. ELEVATION, FROM OUTSIDE



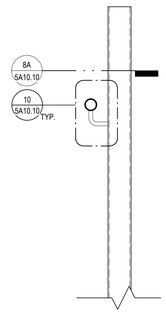
C. SECTION

SCALE: 3/4" = 1'-0"

TYPICAL HANDRAIL & GUARDRAIL @ CONCRETE RAMP | 3



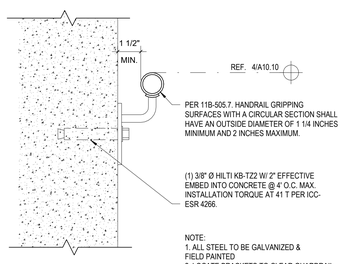
A. PLAN



B. SECTION

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

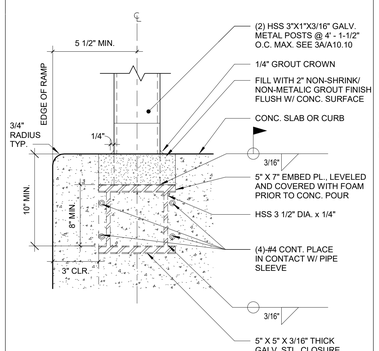
HANDRAIL EXTENSION DETAILS @ GUARDRAIL | 10



NOTE:
1. ALL STEEL TO BE GALVANIZED & FIELD PAINTED
2. LOCATE BRACKETS TO CLEAR GUARDRAIL POST SLEEVES

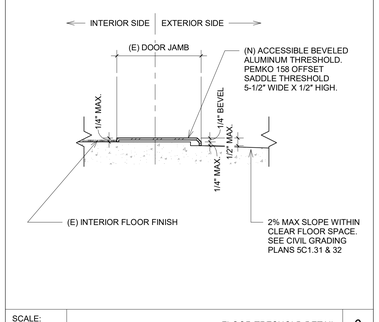
SCALE: 3" = 1'-0"

WALL MOUNTED HANDRAIL | 9



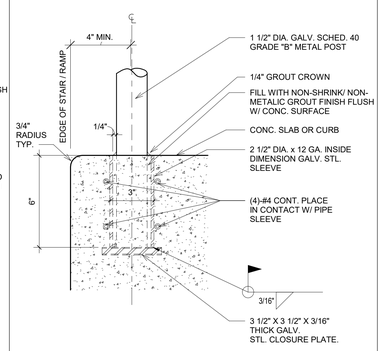
SCALE: 3" = 1'-0"

GUARDRAIL PIPE SLEEVE | 7



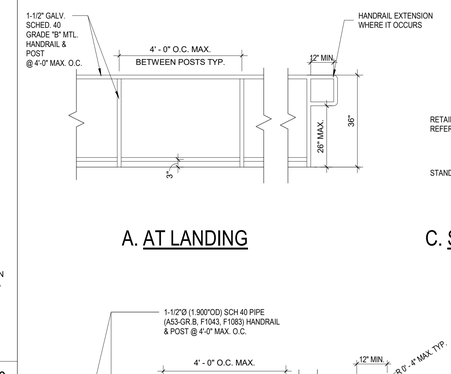
SCALE: 3" = 1'-0"

FLOOR TRESHOLD DETAIL | 6

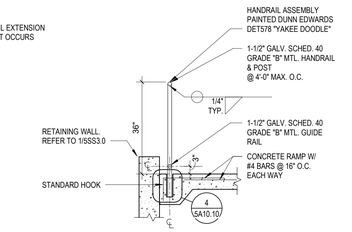


SCALE: 3" = 1'-0"

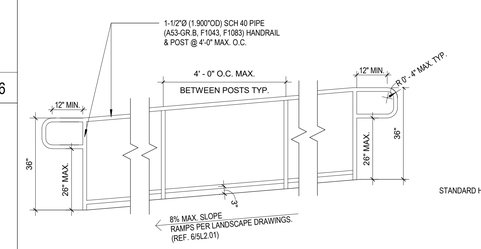
5A10.10 - HANDRAIL PIPE SLEEVE | 4



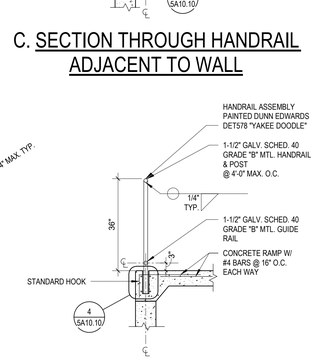
A. AT LANDING



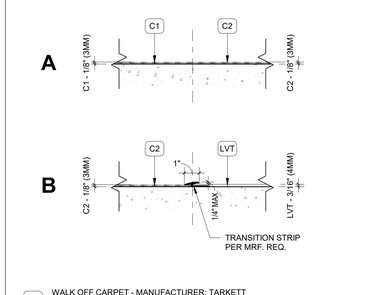
C. SECTION THROUGH HANDRAIL ADJACENT TO WALL



B. AT RAMP



D. SECTION THROUGH HANDRAIL



C1 WALK OFF CARPET - MANUFACTURER: TARKETT
STYLE: ABRASSIVE ACTION II 02578, COLOR: CHARCOAL

C2 CARPET TILE - MANUFACTURER: INTERFACE
STYLE: ROY G BIV, COLOR: SHADOW GRAY, INSTALL METHOD: VERT. ASHLAR

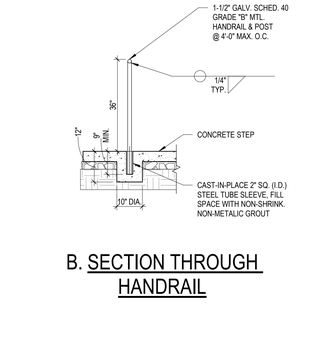
LVT VINYL FLOORING - MANUFACTURER: MANNINGTON BURKW
STYLE: COLORSPEC - SMOOTH RUBBER TILE, COLOR: RAIN CLOUD (162)

SCALE: 3" = 1'-0"

FLOOR TRANSITION DETAIL | 5

A. AT STAIR

NOTE: EXTEND HANDRAILS FOR DISTANCE OF ONE TREAD +12" BEYOND NOSING OF LAST STEP AT LOWER LANDING AND 12" BEYOND NOSING AT UPPER LANDING. WHERE THE EXTENSION CREATES A HAZARD, THE TERMINATION OF THE EXTENSION SHALL BE ROUNDED OR RETURNED SMOOTHLY TO THE FLOOR, WALL, OR POST PER CBC 11B-505.10



B. SECTION THROUGH HANDRAIL

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

TYPICAL HANDRAIL @ CONCRETE STAIR | 1

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471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91101

PROJECT NUMBER 20911

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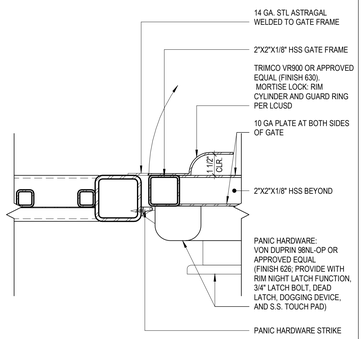
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

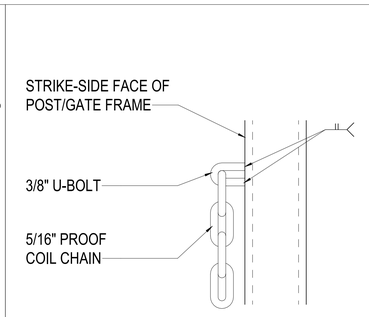
SITE DETAILS - HANDRAIL AND GUARDRAIL

5A10.10

SCALE: AS INDICATED

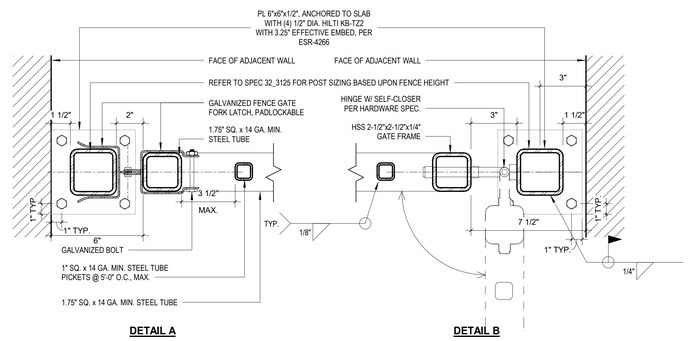


SCALE: 3" = 1'-0" | TUBULAR STEEL GATE JAMB | 14



SECTION

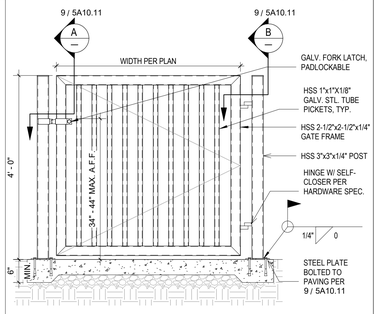
SCALE: 6" = 1'-0" | PADLOCKABLE HARDWARE | 10



DETAIL A **DETAIL B**

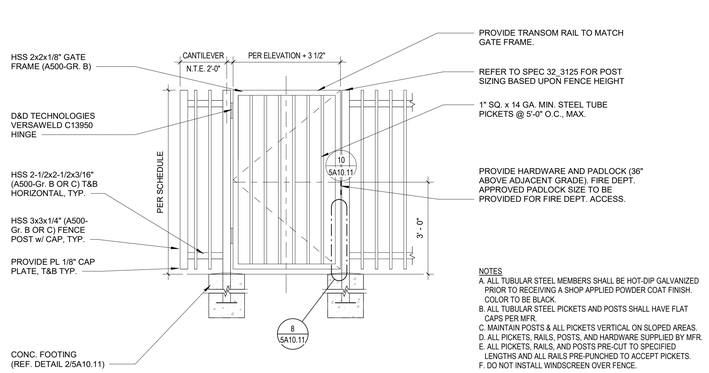
NOTES
A. DESIGN BASED ON AEGIS II 'GENESIS' 3 RAIL SYSTEM
B. ALL TUBULAR STEEL MEMBERS SHALL RECEIVE A SHOP APPLIED POWDER COAT FINISH. COLOR TO BE BLACK.
C. ALL STEEL TO BE HOT -DIP GALVANIZED AND PAINTED TO MATCH BUILDING RAILING.
D. MAINTAIN POSTS & ALL PICKETS VERTICAL ON SLOPED AREAS.
E. DO NOT INSTALL WINDSCREEN OVER FENCE.

SCALE: 3" = 1'-0" | SITE - GATE JAMB DETAIL | 9



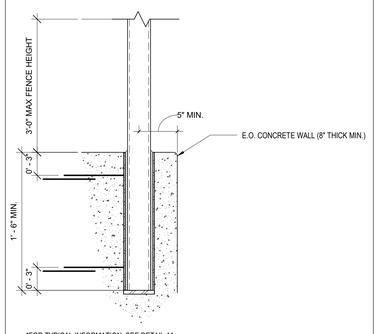
NOTES
A. ALL TUBULAR STEEL MEMBERS SHALL RECEIVE A SHOP APPLIED POWDER COAT FINISH. COLOR TO BE BLACK.
B. ALL STEEL TO BE HOT -DIP GALVANIZED AND PAINTED TO MATCH BUILDING RAILING.
C. MAINTAIN POSTS & ALL PICKETS VERTICAL ON SLOPED AREAS.
D. DO NOT INSTALL WINDSCREEN OVER FENCE.

SCALE: 3/4" = 1'-0" | MAINTENANCE GATE DETAIL (4'-0" HIGH STEEL) | 6



NOTES
A. ALL TUBULAR STEEL MEMBERS SHALL BE HOT-DIP GALVANIZED PRIOR TO RECEIVING A SHOP APPLIED POWDER COAT FINISH. COLOR TO BE BLACK.
B. ALL TUBULAR STEEL PICKETS AND POSTS SHALL HAVE FLAT CAPS PER MFR.
C. MAINTAIN POSTS & ALL PICKETS VERTICAL ON SLOPED AREAS.
D. ALL PICKETS, RAILS, POSTS, AND HARDWARE SUPPLIED BY MFR.
E. ALL PICKETS, RAILS, AND POSTS PRE-CUT TO SPECIFIED LENGTHS AND ALL RAILS PRE-PUNCHED TO ACCEPT PICKETS.
F. DO NOT INSTALL WINDSCREEN OVER FENCE.

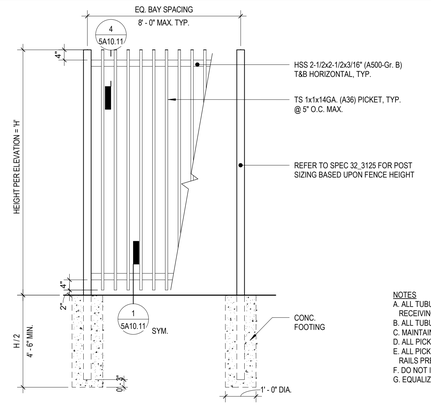
SCALE: 1/2" = 1'-0" | STEEL UTILITY GATE | 3



*FOR TYPICAL INFORMATION, SEE DETAIL 11

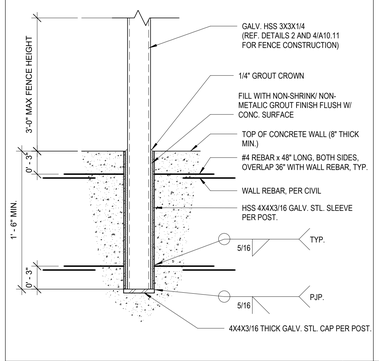
SCALE: 1 1/2" = 1'-0" | 5A10.11 - SITE - END FENCE POST SLEEVE CONNECTION | 12

SCALE:

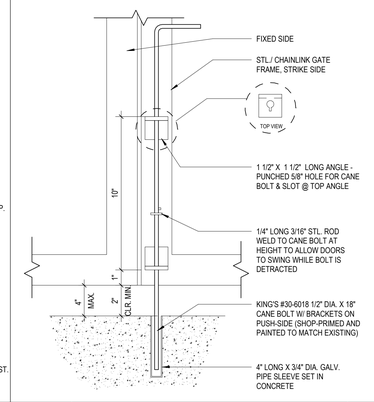


NOTES
A. ALL TUBULAR STEEL MEMBERS SHALL BE HOT-DIP GALVANIZED PRIOR TO RECEIVING A SHOP APPLIED POWDER COAT FINISH. COLOR TO BE BLACK.
B. ALL TUBULAR STEEL PICKETS AND POSTS SHALL HAVE FLAT CAPS PER MFR.
C. MAINTAIN POSTS & ALL PICKETS VERTICAL ON SLOPED AREAS.
D. ALL PICKETS, RAILS, POSTS, AND HARDWARE SUPPLIED BY MFR.
E. ALL PICKETS, RAILS, AND POSTS PRE-CUT TO SPECIFIED LENGTHS AND ALL RAILS PRE-PUNCHED TO ACCEPT PICKETS.
F. DO NOT INSTALL WINDSCREEN OVER FENCE.
G. EQUALIZE SPACING WHERE POSSIBLE

SCALE: 1/2" = 1'-0" | SITE - STEEL FENCE | 2



SCALE: 1 1/2" = 1'-0" | 5A10.11 - SITE - TYP. FENCE POST SLEEVE CONNECTION | 11

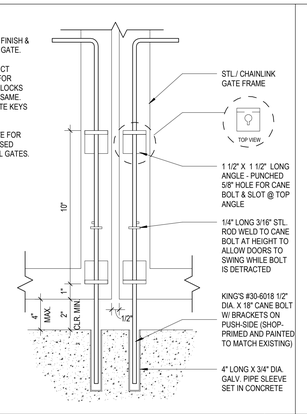


SCALE: 3" = 1'-0" | CANE BOLT | 8

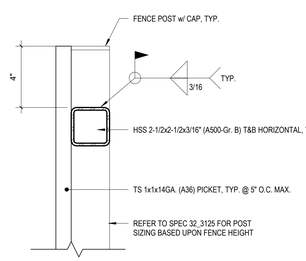
NOTES:
A. ALL HARDWARE FINISH & COLOR TO MATCH GATE.

B. PROVIDE DISTRICT APPROVED LOCK FOR EACH CANE BOLT. LOCKS TO BE KEYED THE SAME. PROVIDE DUPLICATE KEYS FOR OWNER.

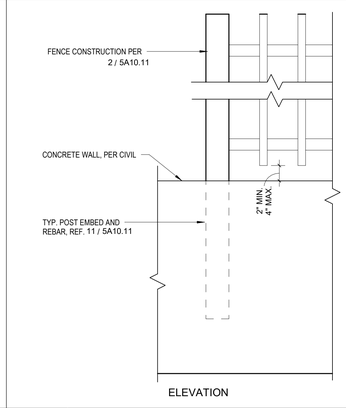
C. PROVICE SLEEVE FOR BOTH OPEN & CLOSED POSITION, TYP. ALL GATES.



SCALE: 3" = 1'-0" | GATE DOUBLE CANE BOLT | 7



SCALE: 3" = 1'-0" | 5A10.11 - SITE - STEEL FENCE SECTION | 4



SCALE: 1 1/2" = 1'-0" | 5A10.11 - SITE - FENCE AT CONCRETE WALL | 1

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GENERAL NOTES

- THE METAL DETAILS SHOWN ON THIS SHEET ARE EXEMPT FROM DSA STRUCTURAL SAFETY REVIEW AND ARE NOT A PART OF THE STRUCTURAL SAFETY APPROVAL PER DSA IR A-22.
- THE FENCE AND GATE GREATER THAN 8 FT ARE NOT DESIGNED TO ACCEPT WINDSCREENS, SLATS, OR SIGNS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1965

PARADISE CANYON E.S.

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LICENSED ARCHITECT HARRY R DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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12/05/2025	DSA V2
03/20/2026	DSA V3

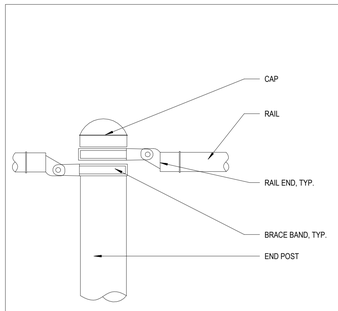
#	REVISION DATE	DESCRIPTION

DRAWING TITLE

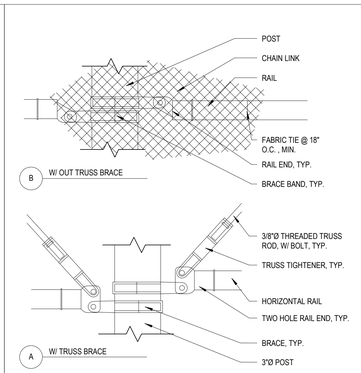
SITE DETAILS - STL. FENCE & GATE

5A10.11

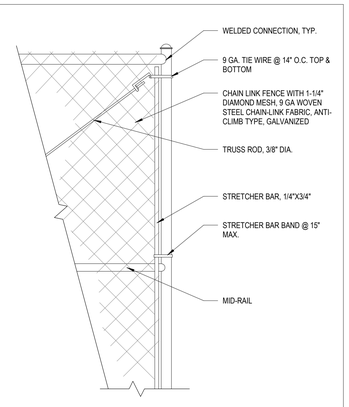
SCALE: AS INDICATED



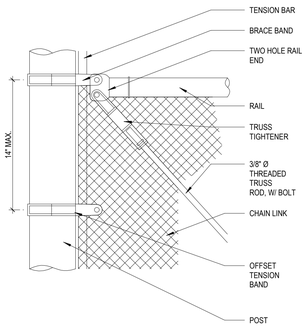
SCALE: 3" = 1'-0" | CHAINLINK - RAIL TO POST CONNECTION | 8



SCALE: 3" = 1'-0" | CHAINLINK - RAIL CONNECTION TO POST | 5

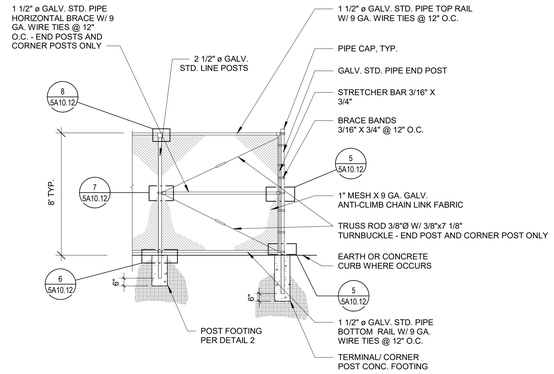


SCALE: 1" = 1'-0" | CHAINLINK - GATE CONNECTION | 4

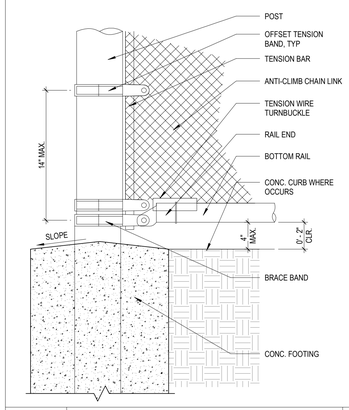


SCALE: 3" = 1'-0" | CHAIN LINK - CONNECTION AT POST | 7

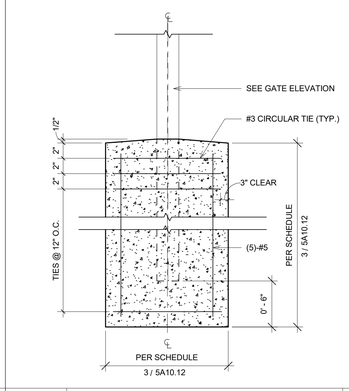
ITEM	HEIGHT	NOMINAL PIPE SIZE (INCHES)	OUTSIDE DIAMETER (INCHES)	WEIGHT (POUNDS PER FOOT)	FOOTINGS DIAMETER (INCHES)	FOOTINGS DEPTH (INCHES)
TOP, BOTTOM, BRACE AND TRANSOM RAILS	UP TO 10'-0"	1-1/2	1.990	2.27	N/A	N/A
	~~10'-1" TO 16'-0"~~	~~2~~	~~2.375~~	~~3.65~~	~~N/A~~	~~N/A~~
LINE POSTS (HORIZ. SPACING AT 10'-0" MAX)	~~UP TO 6'-0"~~	2-1/2	2.875	5.80	18	36
	6'-1" TO 8'-0"	2-1/2	2.875	5.80	18	42
	~~8'-1" TO 10'-0"~~	~~3~~	~~3.5~~	~~7.58~~	~~18~~	~~48~~
	~~10'-1" TO 14'-0"~~	~~4~~	~~4.5~~	~~10.8~~	~~18~~	~~60~~
	~~14'-1" TO 16'-0"~~	~~5~~	~~5.563~~	~~14.6~~	~~18~~	~~60~~
TERMINAL, CORNER, ANGLE & PULL POSTS	UP TO 8'-0"	2-1/2	2.875	5.79	18	42
	~~8'-1" TO 10'-0"~~	~~3~~	~~3.5~~	~~5.80~~	~~18~~	~~48~~
	~~10'-1" TO 16'-0"~~	~~5~~	~~5.563~~	~~14.6~~	~~18~~	~~60~~
PEDESTRIAN GATE POST	~~UP TO 8'-0"~~	~~2-1/2~~	~~2.875~~	~~5.79~~	~~18~~	~~42~~
GATE FRAMES	~~UP TO 8'-0"~~	~~1-1/2~~	~~1.900~~	~~2.72~~	~~N/A~~	~~N/A~~
DRIVEWAY DOUBLE-LEAF SWING GATE POST: OPENING						
UP TO 17'-3-1/2"	~~UP TO 8'-0"~~	~~3 1/2~~	~~4~~	~~9.11~~	~~18~~	~~42~~
17'-4" TO 20'-3-1/2"	~~UP TO 8'-0"~~	~~3 1/2~~	~~4~~	~~9.11~~	~~18~~	~~42~~



SCALE: 1/4" = 1'-0" | CHAINLINK FENCE DETAIL | 3



SCALE: 3" = 1'-0" | CHAINLINK - POST AT FOOTING | 6



SCALE: 1 1/2" = 1'-0" | CHAINLINK - TYP POST FOOTING | 2

GENERAL NOTES

1. ENTIRE ASSEMBLY TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. ALL WELD TO BE GROUNDED SMOOTH
3. FOR GATE AND FENCE POST/FOOTING. SEE DETAIL 2 / 5A10.12
4. CONCRETE:
   - $f'c$ = 3 ksi IN 28 DAYS
   - Fy = 60 ksi (ASTM A615)
5. PANIC HARDWARE TO COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
   A. CROSS BARS FOR EXIT DEVICES SHALL EXTEND ACROSS NOT LESS THAN HALF OF THE DOOR OR GATE WIDTH
   B. ENDS OF CROSS BARS SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON CLOTHING DURING EGRESS

6. THE METAL DETAILS SHOWN ON THIS SHEET ARE EXEMPT FROM DSA STRUCTURAL SAFETY REVIEW AND ARE NOT A PART OF THE STRUCTURAL SAFETY APPROVAL PER DSA IR A-22.

7. THE FENCE AND GATE SHOWN ON THIS SHEET ARE NOT DESIGNED TO ACCEPT WINDSCREENS, SLATS, OR SIGNS.

GATE HARDWARE

1) EXIT DEVICE :
LEVER HANDLE ON PUSH (WHERE OCCURS) & PULL SIDE
SCHLAGE I-9070-06N

PANIC HARDWARE
VONDUPRIN PA-AX

2) DOOR CLOSER :
180-DEGREE, DELAYED ACTION
L.C.N. 4041

3) WELDABLE GATE BOX :
L-BXMOR2, BY KEEDEX INC.

4) BARREL HINGES :
BARREL HINGES - 7"

5) GATE FABRIC MATERIAL :
AS SHOWN ON GATE DETAIL

6) POSTS & FRAMES :
PIPE - ASTM A53 (Fy=35 ksi)
HSS - ASTM A500 GRADE B (Fy=42 ksi)

7) PLATES : - ASTM A36

8) WELDING ELECTRODES : - E70XX

HARDWARE NOTES | 1

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

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT
ESTABLISHED 1965

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION

DRAWING TITLE

SITE DETAILS - CHAINLINK FENCE

5A10.12

SCALE: AS INDICATED

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S	SEWER PIPE
OW	OW	OILY WASTE PIPE
IW	IW	INDIRECT WASTE PIPE
V	V	VENT PIPE
CW	CW	COLD WATER PIPE
HW	HW	HOT WATER PIPE
CD	CD	CONDENSATE DRAIN PIPE
SCD	SCD	SECONDARY CONDENSATE DRAIN PIPE
PCD	PCD	PUMPED CONDENSATE DRAIN PIPE
	FCO	FLOOR CLEAN OUT
	GCO	GRADE CLEAN OUT
	WCO	WALL CLEAN OUT
	SOV	SHUT OFF VALVE
	CV	CHECK VALVE
	BV	BALL VALVE
	U	UNION
		CAPPED PIPE
	CONT	CONTINUED OR CONTINUATION
TP	TP	TRAP PRIMER LINE
	WHA	WATER HAMMER ARRESTOR
	HB	HOSE BIBB
		PIPE DOWN OR DROP
		PIPE UP OR RISE
		VALVE ON DROP
		VALVE ON RISE
	P.O.D.	POINT OF DISCONNECT
	POC	POINT OF CONNECTION
	FS, RR	FLOOR SINK OR ROOF RECEPTOR
	VTR	VENT THROUGH ROOF

ABBREVIATION	DESCRIPTION
ABV	ABOVE
A/C	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A/G	ABOVE GRADE
AP	ACCESS PANEL
ARCH	ARCHITECT OR ARCHITECTURAL
BEL	BELOW
B/G	BELOW GRADE
BOP	BOTTOM OF PIPE
B/S	BELOW SLAB
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
CFC	CALIFORNIA FIRE CODE
CMC	CALIFORNIA MECHANICAL CODE
CPC	CALIFORNIA PLUMBING CODE
CI	CAST IRON
CISPI	CAST IRON SOIL PIPE INSTITUTE
CLG	CEILING
CONN	CONNECT OR CONNECTION
CONTR	CONTRACTOR
DIV	DIVISION
DWG(S)	DRAWING(S)
EA	EACH
(E)	EXISTING
FF	FINISHED FLOOR
FLR	FLOOR
FU	FIXTURE UNIT
IND	INDIRECT
INV	INVERT
IE	INVERT ELEVATION
KS	KITCHEN SINK
LS	LAUNDRY SINK
L, LAV	LAVATORY
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
REQ'D	REQUIRED
RI	ROUGH-IN
SOV	SHUT-OFF VALVE
TEMP	TEMPERATURE
THRU	THROUGH
UNO	UNLESS NOTED OTHERWISE
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER
YB	YARD BOX

ANCHORAGE AND BRACING NOTES

APPLICABLE CODE: 2025 CBC

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 2025 CBC SECTIONS 1617A.1.18 THROUGH 1617A1.26 AND ASCE 7-16 CHAPTERS 13.26, AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS
2. TEMPORARY, MOVEABLE, 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 FLEXIBLE CABLE.
3. TEMPORARY, MOVEABLE, 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 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 ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENTS.

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 SUBJECTED TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

APPLICABLE CODE: 2025 CBC PER IR 16-13

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.6, 13.6.7, AND 13.6; AND 2025 CBC SECTIONS 1617A.1.24, 1617A1.25, AND 1617A1.26.

THE METHOD OF SHOWING BRACING ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS 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.

MANDATORY CALGREEN CHECKLIST

WATER EFFICIENCY AND CONSERVATION INDOOR WATER USE	MANDATORY
5.303.1 METERS. SEPARATE METERS SHALL BE INSTALLED FOR THE USES DESCRIBED IN SECTIONS 5.303.1.1 AND 5.303.1.2. 5.303.1.1 BUILDINGS IN EXCESS OF 50,000 SQUARE FEET. SEPARATE SUBMETERS SHALL BE INSTALLED AS FOLLOWS: 1. FOR EACH INDIVIDUAL LEASED, RENTED OR OTHER TENANT SPACE WITHIN THE BUILDING PROJECTED TO CONSUME MORE THAN 100GAL/DAY. 2. WHERE SEPARATE SUBMETERS FOR INDIVIDUAL BUILDINGS TENANTS ARE UNFEASABLE, FOR WATER SUPPLIED TO THE FOLLOWING SUBSYSTEMS: a. MAKEUP WATER FOR COOLING TOWERS WHERE FLOW THROUGH IS GREATER THAN 500 GPM (30L/S) b. MAKEUP WATER FOR EVAPORATIVE COOLERS GREATER THAN 6 GPM (0.04 L/S) c. STEAM AND HOT-WATER BOILERS WITH ENERGY IMPUT MORE THAN 500,000 Btu/h (147 kW) 5.303.1.2 EXCESS CONSUMPTION. ANY BUILDING OR A SPACE WITHIN A BUILDING THAT IS PROJECTED TO CONSUME MORE THAN 1,000 GAL/DAY (3800 L/DAY)	
5.303.2 20 PERCENT SAVINGS. A SCHEDULE OF PLUMBING FIXTURES AND FIXTURE FITTINGS THAT WILL REDUCE THE OVERALL USE OF POTABLE WATER WITHIN THE BUILDING BY 20 PERCENT SHALL BE PROVIDED. (CALCULATE SAVINGS BY WATER USE WORKSHEETS) 5.303.2.1 MULTIPLE SHOWERHEADS SERVING ONE SHOWER. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED THE MAXIMUM FLOW RATE AT ≥ 20 PERCENT REDUCTION CONTAINED IN TABLE 5.303.2.3 OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME.	
5.303.4 WASTEWATER REDUCTION. EACH BUILDING SHALL REDUCE THE GENERATION OF WASTEWATER BY ONE OF THE FOLLOWING METHODS: 1. THE INSTALLATION OF WATER-CONSERVING FIXTURES OR 2. UTILIZING NONPOTABLE WATER SYSTEMS.	
5.303.6 PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE REQUIREMENTS LISTED FOR EACH TYPE IN ITEMS LISTED IN TABLE 5.303.6. 1. WATER CLOSETS (TOILETS) - FLUSHOMETER TYPE 2. WATER CLOSETS (TOILETS) - TANK TYPE 3. URINALS 4. PUBLIC LAVATORY FAUCETS 5. PUBLIC METERING SELF-CLOSING FAUCETS 6. RESIDENTIAL BATHROOM LAVATORY SINK FAUCETS 7. RESIDENTIAL KITCHEN FAUCETS 8. RESIDENTIAL SHOWER HEADS 9. SINGLE SHOWER FIXTURES SERVED BY MORE THAN ONE SHOWERHEAD	

SHEET INDEX

5PS0.01	PLUMBING LEGEND AND GENERAL NOTES
5PS1.01	PLUMBING SITE PLAN
5PS1.10	PLUMBING FIRST FLOOR PLAN
5PS1.2	PLUMBING ROOF PLAN
5PS2.00	PLUMBING DETAILS

PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT NO EXTRA COST.
2. CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER DEPARTMENT, ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
3. ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ADMINISTRATIVE CODE. TITLE 24, AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LOCAL CITY AND COUNTY CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MORE STRICT REGULATIONS SHALL GOVERN.
4. ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
5. FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM; LARGER CONNECTIONS MAY RESULT BASED ON THE DIFFERENT MANUFACTURER'S RECOMMENDATIONS.
6. MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
7. PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT.
8. PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE RECOMMENDATIONS OF MSS SP-69-2003.
9. PROVIDE VALVES AT THE FOLLOWING LOCATIONS:
   A. WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
   B. VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE.
   C. SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT PROVIDED WITH CONTROL STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT.
11. PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK INTO THE SPACE AROUND THE PIPE OR TUBING. PROVIDE FLASHING FOR ALL PIPES EXTENDING THROUGH THE ROOF.
12. ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND BUILDING OPENINGS.
13. FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
14. LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD NO. WH-201.
15. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.
16. PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.
17. PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
18. WHERE DEPTHS OR INVERTS ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE (ABOVE TOP OF PIPES) AS FOLLOWS:
   A. ANY PIPING UNDER SLAB (TOP OF PIPE TO UNDERSIDE OF SLAB): 18 INCHES.
   B. CAST IRON AND COPPER PIPES IN OTHER LOCATIONS: 18 INCHES.
   C. EXCAVATE TO UNDISTURBED EARTH: CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD). WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6-INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6-INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND ENVELOPE.
19. BACKFILL TO A POINT 12-INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLODS OVER 4-INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12-INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.
20. DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED.
21. VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
22. ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
23. ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO START OF WORK.
24. NO SPRAY FOAM INSULATION SHALL BE APPLIED TO AREAS CONTAINING PEX PIPING.
25. UNLESS SPECIFICALLY SHOWN ON THESE DRAWING, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR AUTHORIZATION IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD AND DSA

PLUMBING MANDATORY MEASURES

1. ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS OF CURRENT CBC, CMC, CPC, NEC, NFPA, ASTM, ANSI, AND ALL LOCAL AND STATE CODE REQUIREMENTS. (SEE BELOW)
2. ALL PLUMBING EQUIPMENT LISTED IN OF THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE-24, PART 6, SECTION 110.3 ENERGY EFFICIENCY STANDARDS MUST BE CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CEC.
3. ALL HEATERS FOR DOMESTIC HOT WATER MUST BE CERTIFIED BY THE MANUFACTURER TO MEET THE SPECIFICATIONS OR EFFICIENCIES AS ADOPTED BY THE CEC IN ACCORDANCE WITH THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE-24, PART 6, SECTION 110.3 RESIDENTIAL NON-RESIDENTIAL.
4. ALL GAS APPLIANCES MUST HAVE PILOTLESS IGNITION SYSTEM IN ACCORDANCE WITH SECTION 110.5 OF THE 2022 CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6, ENERGY EFFICIENCY STANDARDS, TABLE 4-4.
5. ALL INSULATING MATERIALS INSTALLED MUST BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET 2022 CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6, ENERGY EFFICIENCY STANDARDS, SECTION 120.3 AND TABLE 4-15.
6. ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF 2022 CBC, PART 1, SECTION 720 AND 2022 CMC. SECTION 602.2.
7. ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
8. ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED.
9. ALL PIPES, FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD FREE IN COMPLIANCE WITH CPC SECTION 604.2.
10. ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER THE LATEST REQUIREMENTS OF TITLE 24 AND ADA (AMERICANS WITH DISABILITIES ACT).
11. CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103).
12. A WATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL COMPLY WITH CPC SECTION 608.5.
13. WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION PER CPC SECTION 507.2.
14. WATER HEATER SHALL COMPLY WITH CPC SECTION 608.3, FOR THERMAL EXPANSION REQUIREMENTS.
15. LAVATORY FAUCETS IN PUBLIC RESTROOM SHALL BE SELF CLOSING TYPE.
16. TUB AND SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER CPC SECTION 408.3.
17. SHOWERHEADS SHALL BE 1.8 GPM AT 80PSI.
18. NONRESIDENTIAL LAVATORY FAUCETS SHALL BE 0.4 GPM MAXIMUM.
19. KITCHEN FAUCETS AND WASH FOUNTAINS SHALL BE 1.8 GPM MAXIMUM.
20. METERING FAUCETS SHALL BE 0.2 GPC MAXIMUM.
21. WATER CLOSETS (GRAVITY TANK TYPE, FLUSHOMETER TANK, FLUSHOMETER VALVE AND ELECTROMECHANICAL HYDRAULIC TYPE) SHALL BE 1.28 GPF MAXIMUM.
22. FLOOR-MOUNT URINALS SHALL BE 0.5 GPF MAXIMUM. WALL-MOUNT URINALS SHALL BE 0.125 GPF MAXIMUM.
23. ALL INSTALLATION OF PEX PIPE INSTALLED IN NEW CONSTRUCTION SHALL BE FLUSHED TWICE OVER A PERIOD OF AT LEAST ONE WEEK PER CPC SECTION 604.1.2. PEX.
   1) AT THE TIME OF FILL, EACH NEW PLUMBING FIXTURE SHALL HAVE A REMOVABLE TAG APPLIED STATING:
      a. THIS NEW PLUMBING SYSTEM SHALL BE FIRST FILLED AND FLUSHED ON _____(DATE) BY _____(NAME). THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE ABOVE, IF THIS SYSTEM IS USED EARLIER THAN ONBE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THE TAG MAY NOT BE REMOVED PRIOR TO THE

APPLICABLE CODES

- 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR PART 1, TITLE 24
- 2022 CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PARTS 1 & 2 (BASED ON THE 2018 EDITION INTERNATIONAL BUILDING CODE, VOLS. 1 & 2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR TITLE 24, PART 3 (BASED ON THE 2017 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), CCR TITLE 24, PART 4, TITLE 24 CCR (BASED ON THE 2018 EDITION UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), CCR TITLE 24, PART 5, (BASED ON THE 2018 EDITION UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), CCR TITLE 24, PART 6, AND ASSOCIATED ADMINISTRATIVE REGULATION IN PART 1.
- 2022 CALIFORNIA FIRE CODE (CFC), CCR TITLE 24, PART 9 (BASED ON THE 2018 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), CCR TITLE 24, PART 10, (BASED ON THE 2018 EDITION INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), CCR TITLE 24, PART 11
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR TITLE 24, PART 12
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 2022 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

APPLICABLE STANDARDS

FOR LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.
	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CISPI AND NSF.
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321-2000 AND CPC.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	ROUGH-IN CONNECTION					REMARKS
		CW	HW	V	S	MISC.	
AD-1	AREA DRAIN	--	--	--	2"	--	ZURN MODEL ZB415-6B-VP, 6" AREA DRAIN. SEE CIVIL DETAIL 6/5C5.00 FOR MORE INFORMATION.

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Practice
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LA CAÑADA UNIFIED SCHOOL DISTRICT — ESTABLISHED 1965

REGISTERED PROFESSIONAL ENGINEER — SIMON PAINTER — No. M34993 — Exp. 06-30-26 — MECHANICAL — STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT — HARRY R. DRAPER — NO. C-014869 — REN. 05-31-27 — STATE OF CALIFORNIA

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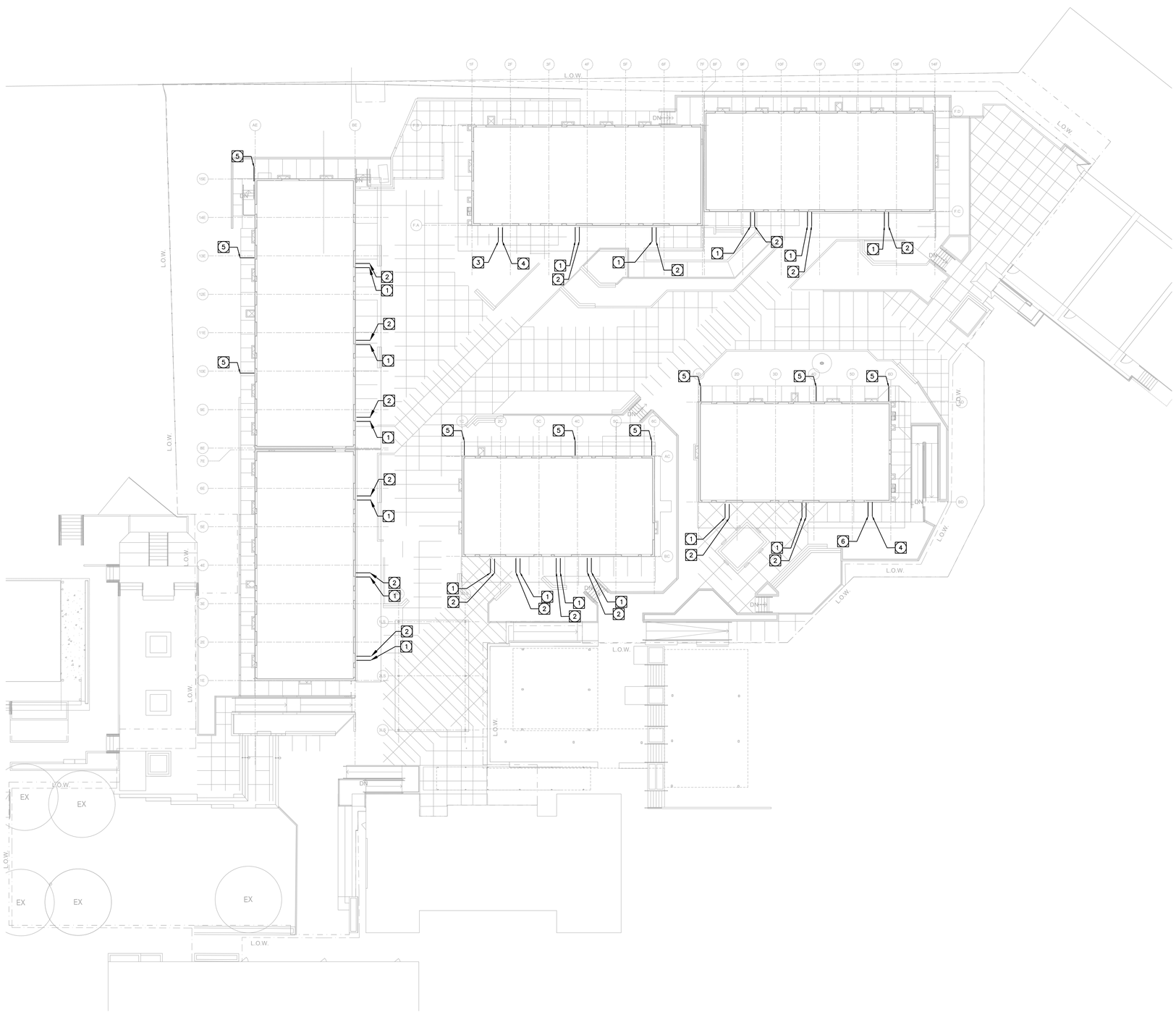
DRAWING TITLE

PLUMBING LEGEND AND GENERAL NOTES

5PS0.01

SCALE: AS INDICATED

PLOT DATE



SHEET NOTE

1. SITE CONTRACTOR TO CONNECT 3/4" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E.= -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/5PS2.00.
2. SITE CONTRACTOR TO CONNECT 2" WASTE UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E.= -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL3/5PS2.00.
3. SITE CONTRACTOR TO CONNECT 2" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E.= -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/5PS2.00.
4. SITE CONTRACTOR TO CONNECT 4" WASTE UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E.= -3'-6". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/5PS2.00.
5. 3" STORM DRAIN. SEE DETAIL 4/5PS2.00. SEE CIVIL PLANS FOR CONTINUATION. I.E.= -2'-0".
6. SITE CONTRACTOR TO CONNECT 1-1/2" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E.= -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/5PS2.00.

N

PLUMBING SITE PLAN | SCALE 1/16" = 1'0" | 1

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Project No.: 2022-01629-05

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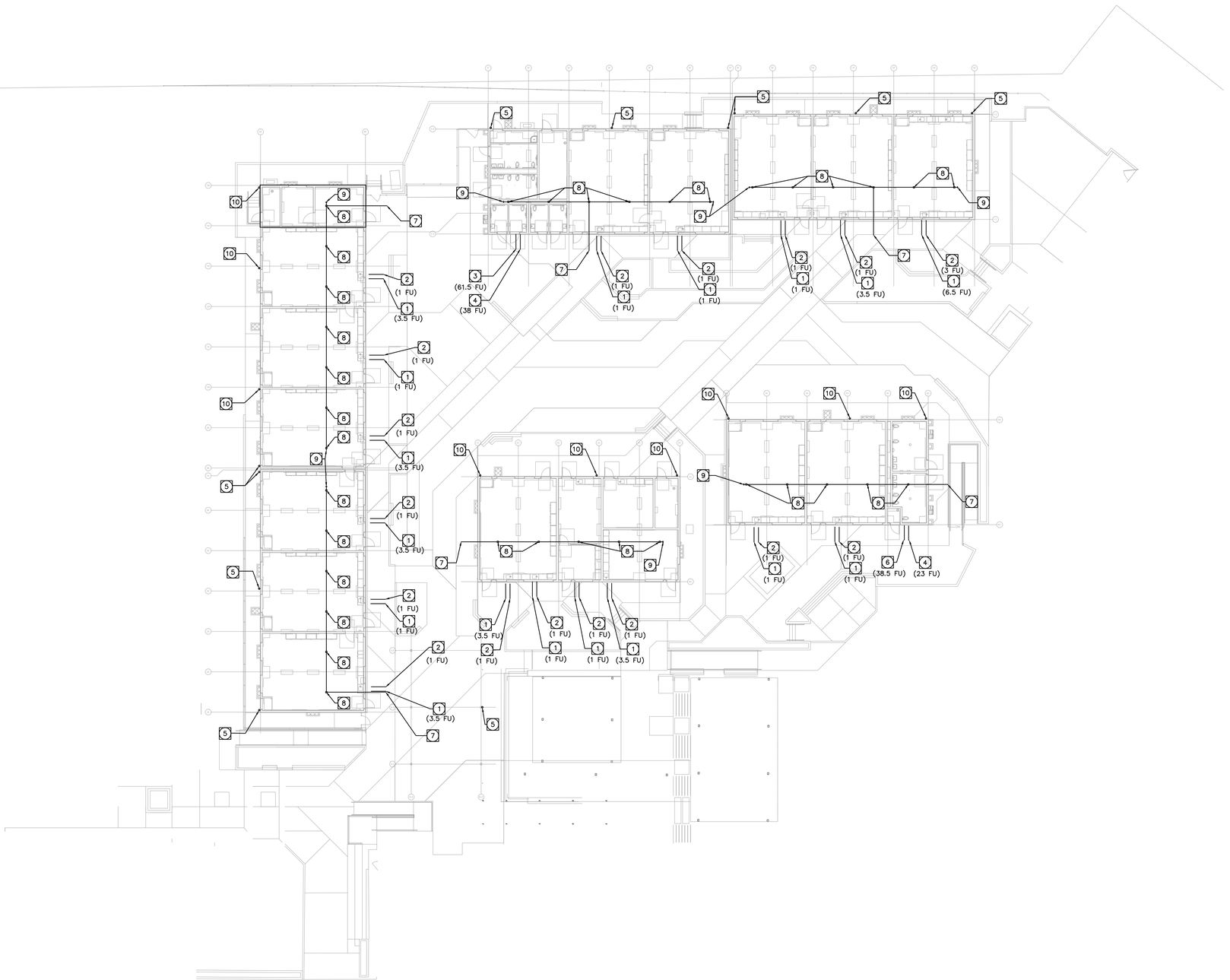
DRAWING TITLE

PLUMBING SITE PLAN

5PS1.01

SCALE: AS INDICATED

PLOT DATE



GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY WITH MODULAR BUILDING MANUFACTURER EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.

C. CONTRACTOR TO VERIFY ONSITE THE EXACT LOCATION OF WATER POINT OF CONNECTION. ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

D. REFER TO AMS DRAWINGS FOR ALL PLUMBING FIXTURES AND PIPING LAYOUT.

E. ROOF DRAIN DOWNSPOUT SIZING PER 2022 CPC TABLE 1103.1 WITH A RAINFALL RATE OF 5" PER HOUR.

F. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR POINT OF CONNECTION AND FOUNDATION SLEEVES. DRAWINGS PROVIDED PRIOR TO START OF FOUNDATION CONSTRUCTION.

KEYNOTES

1. 3/4" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
2. 2" WASTE W/ CLEAN OUT TO GRADE. SEE DETAIL 2/5PS2.00. FOR CONTINUATION SEE CIVIL.
3. 2" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
4. 4" WASTE W/ CLEAN OUT TO GRADE. SEE DETAIL 2/5PS2.00. FOR CONTINUATION SEE CIVIL.
5. 3" DOWNSPOUT. TERMINATE 6" AFF.
6. 1-1/2" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
7. SITE CONTRACTOR TO CONNECT 3" STORM DRAIN UNDER BUILDING. FOR CONTINUATION SEE CIVIL.
8. AREA DRAIN (AD-1) UNDER AMS UNIT.
9. PROVIDE CLEAN OUT.
10. 3" DOWNSPOUT. SEE 5PS1.01.

N

PLUMBING FIRST FLOOR PLAN | SCALE 1/16"=1'-0" | 1

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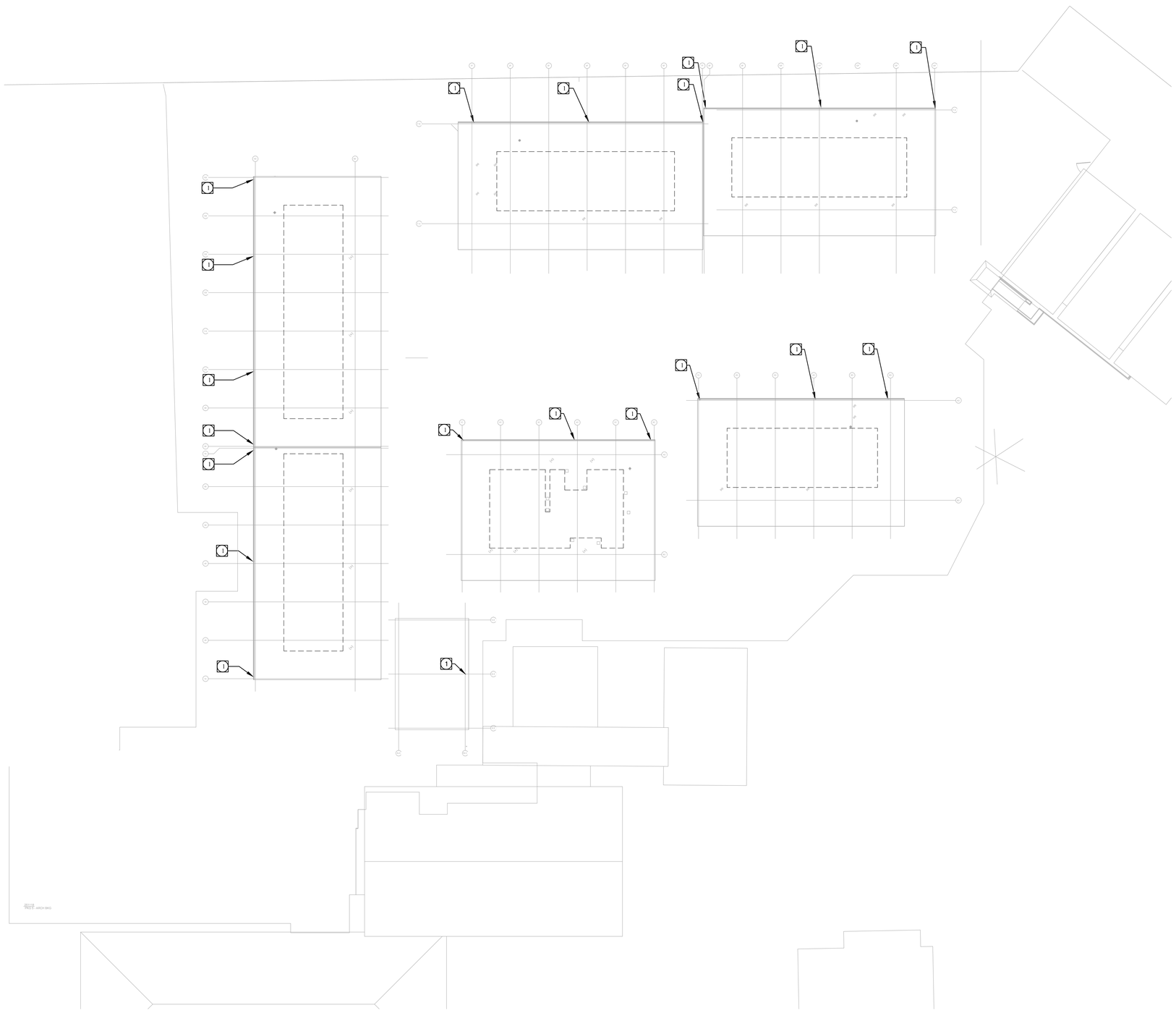
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PLUMBING FIRST FLOOR PLAN

5PS1.10

SCALE: AS INDICATED

PLOT DATE



GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY WITH MODULAR BUILDING MANUFACTURER EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.

C. CONTRACTOR TO VERIFY ONSITE THE EXACT LOCATION OF WATER POINT OF CONNECTION. ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

D. REFER TO AMS DRAWINGS FOR ALL PLUMBING FIXTURES AND PIPING LAYOUT.

E. ROOF DRAIN DOWNSPOUT SIZING PER 2022 CPC TABLE 1103.1 WITH A RAINFALL RATE OF 5" PER HOUR.

F. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR POINT OF CONNECTION AND FOUNDATION SLEEVES. DRAWINGS PROVIDED PRIOR TO START OF FOUNDATION CONSTRUCTION.

G. DOWNSPOUTS TO BE FURNISHED AND INSTALLED BY AMS. SITE CONTRACTOR TO CONNECT TO SITE DRAINAGE AND TO PROVIDE CLEANOUTS.

KEYNOTES

1 3" DOWNSPOUT.

N

PLUMBING ROOF PLAN | SCALE 1/16"=1'-0" | 1

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PLUMBING ROOF PLAN

5PS1.2

SCALE: AS INDICATED

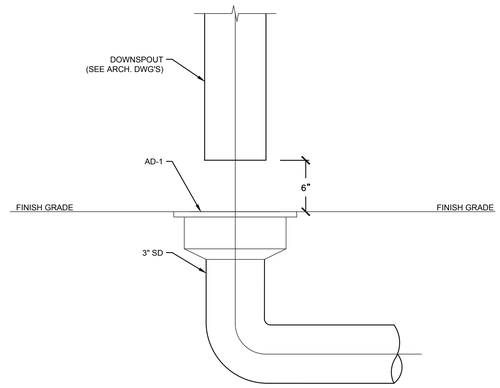
PLOT DATE

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SCALE NONE | 7

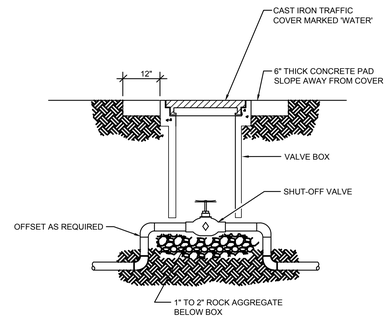
DOWNSPOUT AIR GAP DETAIL

SCALE NONE | 4



SHUT OFF VALVE DETAIL

SCALE NONE | 1



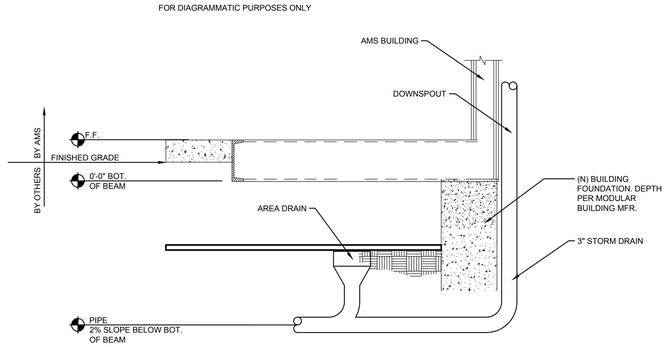
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SCALE NONE | 8

DOWNSPOUT CONNECTION DETAIL - AMS BUILDING

SCALE NONE | 5

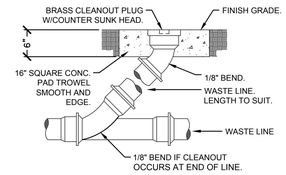
FOR DIAGRAMMATIC PURPOSES ONLY



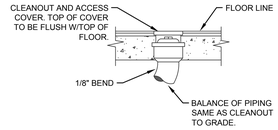
NOTE:
PIPING SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE. SEE DETAIL 2/S1.5-A FOR SLEEVE REQUIREMENTS.

FLOOR AND GRADE CLEANOUT DETAILS

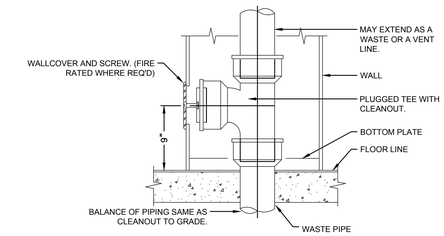
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CLEANOUT TO GRADE (GCO)



FLOOR CLEANOUT (FCO)



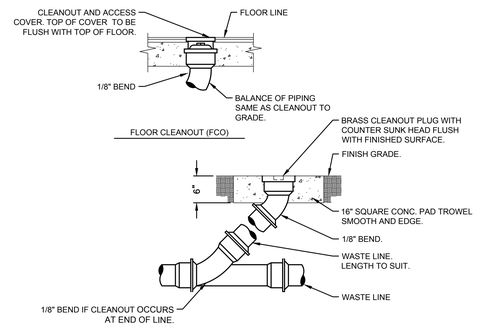
WALL CLEANOUT (WCO)

-

SCALE NONE | 9

FLOOR AND GRADE CLEANOUT DETAILS

SCALE NONE | 6

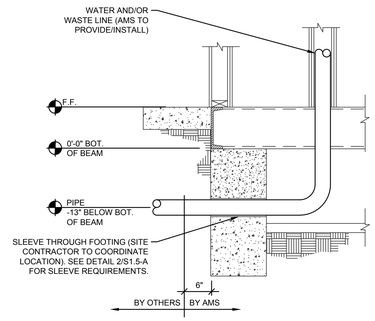


CLEANOUT TO GRADE (COTG)

PLUMBING UTILITIES CONNECTION DETAIL

SCALE NONE | 3

FOR DIAGRAMMATIC PURPOSES ONLY



NOTE:
-PLUMBING WHERE HATCHED BY OTHERS

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DRAWING TITLE

PLUMBING DETAILS

5PS2.00

SCALE: AS INDICATED

PLOT DATE

REFERENCES & ABBREVIATIONS

A	AMPS	M	METER
AC	ABOVE COUNTER	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MCA	MINIMUM CIRCUIT AMPS
AFC	ABOVE FINISHED COUNTER	MCB	MAIN CIRCUIT BREAKER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISH FLOOR	MCM	THOUSAND CIRCULAR MILS
AFG	ABOVE FINISH GRADE	MDF	MAIN DISTRIBUTION FRAME
AIC	AMPS INTERRUPTING CAPACITY	MFGR/MFR	MANUFCTURER
ASC	AMPS SHORT CIRCUIT	MH	MOUNTING HEIGHT
ASCC	AVAILABLE SHORT CIRCUIT CURRENT	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUGS ONLY
		M/M	METER/MAIN
BDF	BUILDING DISTRIBUTION FRAME	MOCP	MAXIMUM OVERCURRENT PROTECTION
BLDG	BUILDING	MTD	MOUNTED
		MTS	MANUAL TRANSFER SWITCH
C	CONDUIT		
CB	CIRCUIT BREAKER	(N)	NEW
CBC	CALIFORNIA BUILDING CODE	NEC	NATIONAL ELECTRICAL CODE
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CDF	CLASSROOM DISTRIBUTION FRAME	NL	NIGHT LIGHT
CEC	CALIFORNIA ELECTRICAL CODE	NTS	NOT TO SCALE
CFC	CALIFORNIA FIRE CODE		
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OC	ON CENTER
		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CHH	COMMUNICATIONS HANDHOLE		
CKT	CIRCUIT	OH	OVER HEAD
CLCB	CURRENT LIMITING CIRCUIT BREAKER		
CMH	COMMUNICATIONS MANHOLE	PA	PUBLIC ADDRESS
CHH	COMMUNICATIONS HAND HOLE	PC	PHOTOCELL
CO	CONDUIT ONLY W/PULL ROPE	PDU	POWER DISTRIBUTION UNIT
CSFD	COMBINATION SMOKE/FIRE DAMPER	PRI	PRIMARY
CT	CURRENT TRANSFORMER	PTZ	PAN–TILT–ZOOM
CU	COPPER	PVC	POLYVINYL CHLORIDE
(D)	DEMOLISH OR REMOVE	(R)	RELOCATED
DIA	DIAMETER	REF	REFERENCE
DISC	DISCONNECT	RGS	RIGID GALVANIZED STEEL
DIST	DISTRIBUTION	RMS	ROOT MEAN SQUARE
(E)	EXISTING TO REMAIN	SCC	SHORT CIRCUIT CURRENT
EC	ELECTRICAL CONTRACTOR (SITE CONTRACTOR)	SEC	SECONDARY
EF	EXHAUST FAN	SFD	SMOKE FIRE DAMPER
EQ	EQUIPMENT GROUND (GREEN)	SPD	SURGE PROTECTIVE DEVICE
EM	EMERGENCY	SQ	SQUARE
EMH	ELECTRIC MANHOLE/MAINTENANCE HOLE	ST	SHUNT TRIP
EMS/EMCS	ENERGY MANAGEMENT CONTROL SYSTEM		
EMT	ELECTRIC METALLIC TUBING	TEL	TELEPHONE
EOL	END OF LINE	TGB	TELECOMMUNICATIONS GROUNDING BAR
(ER)	EXISTING TO BE RELOCATED	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
FA	FIRE ALARM	TYP	TYPICAL
FLA	FULL LOAD AMPS		
G	GROUND	UGPS	UNDERGROUND PULL SECTION
GEC	GROUNDING ELECTRODE CONDUCTOR	UON	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTABLE POWER SUPPLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GRC/RGC	GALVANIZED RIGID CONDUIT	V	VOLTS
		VA	VOLT AMPS
HID	HIGH INTENSITY DISCHARGE	VD	VOLTAGE DROP
HOA	HAND–OFF–AUTO	VL	VERIFY LOCATION
HP	HORSEPOWER		
		WP	WEATHERPROOF
IDF	INTERMEDIAE DISTRIBUTION FRAME		
IG	ISOLATED GROUND	(X)	EXISTING TO BE DEMOLISHED
IMC	INTERMEDIATE METALLIC TUBING	XFMR	TRANSFORMER
K	DEGREES KELVIN		
KCMIL	THOUSAND CIRCULAR MILS		
KVA	KILOVOLT AMPERES		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LCL	LONG CONTINUOUS LOAD		

A / 25 — LIGHTING FIXTURE DESIGNATION PER LIGHTING FIXTURE SCHEDULE. "A" INDICATES FIXTURE TYPE, "25" INDICATES FIXTURE INPUT WATTAGE.

1 / E-1 — DETAIL REFERENCE CALL OUT. "1" INDICATES DETAIL NUMBER, "E–1" INDICATES SHEET LOCATION OF DETAIL.

2 — KEYNOTE REFERENCE. SEE DRAWING SHEETS FOR SPECIFIC NOTES

FDR# — ELECTRICAL FEEDER TAG. SEE SINGLE LINE DIAGRAM AND/OR ELECTRICAL FEEDER SCHEDULE FOR DESCRIPTIONS

#LV — LOW VOLTAGE SYSTEM CONDUIT/FEEDER TAG. SEE SITE PLANS/RISER DIAGRAMS FOR SYSTEM DESCRIPTIONS AND CABLING

EF / 2 — MECHANICAL EQUIPMENT TAG. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR EQUIPMENT DESCRIPTIONS AND ELECTRICAL CHARACTERISTICS.

2 / 2 — SPECIAL NOTE/TAG. SEE DRAWING SHEETS FOR NOTE/TAG DESCRIPTIONS.

100 — KITCHEN EQUIPMENT DESIGNATION. SEE ENLARGED KITCHEN ELECTRICAL FLOOR PLANS AND KITCHEN CONSULTANT DRAWING PACKAGES FOR EQUIPMENT DESCRIPTIONS

N — NORTH ARROW. ARROW INDICATES DIRECTION OF "PLAN" NORTH REFERENCE ARCHITECTURAL DRAWINGS FOR "TRUE" NORTH

ELECTRICAL SHEET INDEX

5E0–01	ELECTRICAL SYMBOLS LIST
5E0–02	ELECTRICAL GENERAL NOTES
5E0–10	SINGLE LINE DIAGRAM
5E0–11	SINGLE LINE DIAGRAM
5E0–20	PANEL SCHEDULES
5E0–30	LIGHTING FIXTURE SCHEDULE
5E0–40	LIGHTING CONTROLS
5E0–50	TITLE 24 COMPLIANCE FORMS
5E0–60	ELECTRICAL DETAILS
5E0–61	ELECTRICAL DETAILS
5E0–62	ELECTRICAL DETAILS
5E1–10	ELECTRICAL DEMOLITION SITE PLAN
5E1–11	ELECTRICAL SITE PLAN
5E1–20	ELECTRICAL SITE LIGHTING PLAN
5E1–21	ELECTRICAL SITE LIGHTING PHOTOMETRICS
5E2–10	ELECTRICAL POWER PLAN

SCOPE OF WORK

PROVIDE ELECTRICAL AND COMMUNICATIONS SYSTEMS FOR THE CONSTRUCTION OF FOUR (4) NEW MODULAR STYLE CLASSROOM BUILDINGS. SCOPE OF WORK TO INCLUDE REMOVAL OF THREE (3) PERMANENT BUILDINGS, INCLUDING REMOVAL OF EXISTING SCE METERED SERVICE, NEW DISTRIBUTION FROM CAMPUS EXISTING METERED SERVICE, SITE AND GENERAL AREA LIGHTING AND POWER SYSTEMS. COMMUNICATIONS AND FIRE ALARM SYSTEM DESIGNS ARE PROVIDED UNDER TE, SE AND FA SHEET SETS.

APPLICABLE CODES & STANDARDS

APPLICABLE CODES
2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

ELECTRICAL SYMBOLS LIST

"C" — NOTE RECEPTACLES ON PLANS INDICATED WITH "C" ADJACENT TO DEVICE ARE INDICATED TO BE CONTROLED PER CALIFORNIA TITLE 24 130.5(d) IN ALL PRIVATE OFFICE, OPEN OFFICE AREA, RECEPTION LOBBY, CONFERENCE ROOM, KITCHENETTE IN OFFICE SPACES AND COPY ROOMS. SEE LIGHTING CONTROL DETAILS FOR ADDTL INFO.

STANDARD 20A, 120V–1ø GROUNDING TYPE SIMPLEX RECEPTACLE MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø GROUNDING TYPE QUAD (OR FOUR–PLEX) RECEPTACLE MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE FLUSH MOUNTED IN CEILING.

STANDARD 20A, 120V–1ø GROUNDING TYPE QUAD RECEPTACLE FLUSH MOUNTED IN CEILING.

STANDARD 20A, 120V–1ø GROUNDING TYPE SIMPLEX RECEPTACLE, SWITCHED OR DIMMED (AS NOTED), MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE HALF SWITCHED MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø GROUNDING TYPE "GROUND FAULT INTERRUPTER" (G.F.I.) RECEPTACLE MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø ISOLATED GROUND TYPE DUPLEX RECEPTACLE, ORANGE IN COLOR, MOUNTED AT +18" AFF – UON.

STANDARD 20A, 120V–1ø ISOLATED GROUND TYPE QUAD RECEPTACLE, ORANGE IN COLOR, MOUNTED AT +18" AFF – UON.

HOSPITAL GRADE 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE, RED IN COLOR, ON EMERGENCY CIRCUIT MOUNTED AT +18" AFF – UON.

HOSPITAL GRADE 20A, 120V–1ø GROUNDING TYPE QUAD RECEPTACLE, RED IN COLOR, ON EMERGENCY CIRCUIT MOUNTED AT +18" AFF – UON.

SPECIAL RECEPTACLE MOUNTED AT +18" AFF – UON. AMPS, VOLTS & PHASE AS INDICATED ON PLANS. VERIFY NEMA CONFIGURATION WITH INSTALLED EQUIPMENT SUPPLIER PRIOR TO PLACING ORDER.

STANDARD 15A, 120V–1ø GROUNDING TYPE SIMPLEX CLOCK RECEPTACLE.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED WITHIN FLUSH FLOOR BOX.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED WITHIN FLUSH FLOOR BOX.

STANDARD 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.

STANDARD 20A, 120V–1ø GROUNDING TYPE "GROUND FAULT INTERRUPTER" DUPLEX RECEPTACLE MOUNTED ABOVE 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.

STANDARD 20A, 120V–1ø ISOLATED GROUND TYPE DUPLEX RECEPTACLE, ORANGE IN COLOR, MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.

HOSPITAL GRADE 20A, 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE, RED IN COLOR MOUNTED 4" ABOVE COUNTER BACK SPLASH. UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.

STANDARD 120V–1ø GROUNDING TYPE DUPLEX RECEPTACLE WITH (1)USB & (1)USB–C CHARGING PORT CONNECTED TO LOAD SIDE OF UPSTREAM "GROUND FAULT CIRCUIT INTERRUPTER" (G.F.C.I.). 15A OR 20A CONFIGURATION AND/OR TAMPER RESISTANT AS REQUIRED. RECEPTACLE MOUNTED ABOVE COUNTER, 46" ABOVE FINISHED FLOOR, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.

JUNCTION BOX, CEILING OR ABOVE CEILING MOUNTED, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU.

JUNCTION BOX MOUNTED ON CONDUIT STUB–UP, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU. JUNCTION BOX FOR SPLICES ONLY AND SHALL CONTAIN NO DEVICES.

JUNCTION BOX, FLUSH WALL MOUNTED, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU.

(#) — POWER CONNECTION TO ELECTRIFIED PARTITION AS PROVIDED BY OTHERS. PROVIDE 3/4" FLEXIBLE CONDUIT CONNECTION PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS WITH INSTALLED EQUIPMENT MANUFACTURER PRIOR TO ANY ROUGH–IN.
–DENOTES NUMBER OF 20A–120V DUPLEX RECEPTACLES IN FURNITURE SYSTEM TO BE CONNECTED TO CIRCUITS AS SHOWN.

EPO RED MUSHROOM TYPE PUSH BUTTON MOUNTED AT +45" AFF.

PUSH BUTTON MOUNTED AT +45" AFF. PROVIDE EDWARDS #821 BUTTON WITH #149–1 STAINLESS STEEL COVER PLATE.

6" WALL MOUNTED 120V BELL. PROVIDE EDWARDS #340–6N5 OR EQUAL.

WALL MOUNTED 120V BUZZER. PROVIDE EDWARDS #1064–N5 OR EQUAL.

SERVICE ENTRANCE OR DISTRIBUTION EQUIPMENT AS SPECIFIED.

BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED. VOLTAGE AND NUMBER OF CIRCUITS PER PANEL SCHEDULE.

BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED. VOLTAGE AND NUMBER OF CIRCUITS PER PANEL SCHEDULE.

CONTROL ENCLOSURE FOR LIGHTING, BUILDING AUTOMATION SYSTEM , EQUIPMENT CONTROL, LOW VOLTAGE SYSTEM, ETC.. AS INDICATED ON PLANS.

T — TRANSFORMER AS SPECIFIED.

F — FUSED DISCONNECT SWITCH, AMPS, POLES AND FUSE CLASS (SIZE AS INDICATED). WHERE NOT INDICATED, PROVIDE FUSES SIZED PER MANUFACTURER NAMEPLATE DATA.
OPEN– INDICATES NON–FUSED
WP – INDICATES NEMA 3R ENCLOSURE

MAGNETIC MOTOR STARTER, POLES AND NEMA SIZE AS INDICATED. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION PER MOTOR NAMEPLATE DATA, 120V CONTROL COIL – UON, AND H.O.A. (HAND–OFF–AUTO) SWITCH.

COMBINATION DISCONNECT SWITCH/MAGNETIC MOTOR STARTER, AMPS, POLES, FUSE CLASS (SIZE AS INDICATED), AND NEMA SIZE AS INDICATED. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION PER MOTOR NAMEPLATE DATA, 120V CONTROL COIL – UON, AND H–O–A (HAND–OFF–AUTO) SWITCH.
WP – INDICATES NEMA 3R ENCLOSURE

M — MANUAL MOTOR STARTER SWITCH. HORSEPOWER RATED 120V–1ø – UON. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION.

M — MOTOR OUTLET, HP OR FLA – VOLTS & PHASE AS INDICATED. VERIFY ELECTRICAL CHARACTERISTICS AND CONNECTION REQUIREMENTS WITH INSTALLED EQUIPMENT MANUFACTURER PRIOR TO ANY ROUGH–IN WORK.

CONDUIT CONCEALED WITHIN BUILDING WALLS OR CEILING SPACE. TICK MARKS INDICATE QUANTITY OF #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHOWN WITH NO TICK MARKS INDICATE 2 #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHALL BE 3/4" MINIMUM – UON. INCLUDE CODE SIZED COPPER BOND CONDUCTOR (NOT SHOWN ON PLAN) IN ALL CONDUIT RUNS.

CONDUIT ROUTED BELOW FINISHED GRADE AND / OR CONCRETE SLAB. TICK MARKS INDICATE QUANTITY OF #12 THHN / THWN CONDUCTORS – UON. CONDUITS SHOWN WITH NO TICK MARKS INDICATE 2 #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHALL BE 3/4" MINIMUM (BUILDING INTERIOR) AND 1" MINIMUM (EXTERIOR/SITE) – UON. INCLUDE CODE SIZED COPPER BOND CONDUCTOR (NOT SHOWN ON PLAN) IN ALL CONDUIT RUNS.

INDICATES GREEN CODE SIZE EQUIPMENT GROUNDING CONDUCTOR.

HOMERUN TO DESTINATION AS INDICATED. REFER TO CONDUIT SYMBOL ABOVE.

INDICATES CONDUIT DROP WITHIN BUILDING WALL. REFER TO CONDUIT SYMBOL ABOVE.

INDICATES CONDUIT RISER WITHIN BUILDING WALL. REFER TO CONDUIT SYMBOL ABOVE.

INDICATES CONDUIT STUB. CAP AND MARK IN PLACE AS PART OF RECORD DOCUMENTS.

INDICATES CONDUIT CONTINUATION

FLEXIBLE CONDUIT CONNECTION. CONFIM WITH MANUFACTURER CONNECTION REQUIREMENTS AND NUMBER OF CONDUCTORS PRIOR TO ROUGH IN.

GROUND CONNECTION SIZED AS INDICATED OR PER NEC ARTICLE 250

LIGHT LINEWEIGHT REPRESENTS WORK WHICH IS EXISTING TO REMAIN UNDISTURBED.

HEAVY LINEWEIGHT REPRESENTS WORK TO BE COMPLETED AS PART OF THIS PACKAGE.

DASHED LINEWEIGHT REPRESENTS WORK WHICH IS EXISTING TO BE DEMOLISHED.

ELECTRICAL CONTRACTOR TO MATCH EXISTING EQUIPMENT MANUFACTURER A.I.C. RATING (TYP.).

DIVIDED SURFACE MOUNT RACEWAY (WIREMOLD V2400D AND FITTINGS) FOR POWER AND LOW VOLTAGE. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.

"NL" — LIGHT FIXTURES ON PLANS INDICATED WITH "NL" ADJACENT TO FIXTURE ARE TO BE CONNECTED TO AN UNSWITCHED HOT–LEG AND OPERATE 24 HOURS A DAY, 7–DAYS PER WEEK AS A "NIGHT LIGHT" FIXTURE. CIRCUIT PER PLAN DRAWINGS.

STRIP LIGHT FIXTURE PER FIXTURE SCHEDULE. SHADED CONNECTION POINT INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, CENTRAL/BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

SURFACE MOUNTED 2'x2' OR 2'x4' LIGHT FIXTURE WITH LENS PER LIGHTING FIXTURE SCHEDULE. SHADED CONNECTION POINT INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

RECESSED 2'x2' OR 2'x4' TROFFER TYPE LIGHT FIXTURE WITH LENS PER LIGHTING FIXTURE SCHEDULE. HALF SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

RECESSED 2'x2' OR 2'x4' DIRECT/INDIRECT BASKET TYPE LIGHT FIXTURE PER LIGHTING FIXTURE SCHEDULE. HALF SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

SURFACE MOUNTED 1'x4' LIGHT FIXTURE PER LIGHTING FIXTURE SCHEDULE. SHADED CONNECTION POINT INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

SURFACE MOUNTED 1'x4' LIGHT FIXTURE WITH LENS PER LIGHTING FIXTURE SCHEDULE. SHADED CONNECTION POINT INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

RECESSED 1'x4' LIGHT FIXTURE WITH LENS PER LIGHTING FIXTURE SCHEDULE. HALF SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

WALL MOUNTED LIGHT FIXTURE PER LIGHTING FIXTURE SCHEDULE. SHADED CONNECTION POINT INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

WALL MOUNTED OVER MIRROR VANITY TYPE LIGHT FIXTURE. NUMBER OF SOCKETS PER LIGHTING FIXTURE SCHEDULE. REFER TO ARCHITECTURAL OR INTERIOR DESIGNERS PLANS FOR FINAL HEIGHT AND LOCATION.

RECESSED DOWNLIGHT FIXTURE. LAMP SOURCE AND SIZE PER LIGHTING FIXTURE SCHEDULE. SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

RECESSED WALLWASHER DOWNLIGHT. LAMP SOURCE AND SIZE PER LIGHTING FIXTURE SCHEDULE.

RECESSED ADJUSTABLE LOW VOLTAGE ACCENT LIGHT FIXTURE PER LIGHTING FIXTURE SCHEDULE.

DECORATIVE PENDANT LIGHT FIXTURE PER LIGHTING FIXTURE SCHEDULE. SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

DECORATIVE WALL MOUNTED SCONCE TYPE LIGHTING FIXTURE PER LIGHTING FIXTURE SCHEDULE. SHADED SYMBOL INDICATES FIXTURE CONNECTED TO BACK UP SOURCE (BATTERY PACK, BATTERY INVERTER OR GENERATOR) PER PLAN DRAWINGS.

PORCELAIN KEYLESS TYPE LIGHTING FIXTURE WITH WIRE GUARD PER LIGHTING FIXTURE SCHEDULE..

SINGLE OR TWO CIRCUIT LIGHTING TRACK WITH LAMP SOURCE PER LIGHTING FIXTURE SCHEDULE. TRIANGLE SYMBOL TO INDICATE QUANTITY OF HEADS TO BE PROVIDED.

SINGLE CIRCUIT LIGHTING TRACK WITH CURRENT LIMITER PROVIDED AS PART OF TRACK LIGHT. LAMP SOURCE PER LIGHTING FIXTURE SCHEDULE. TRIANGLE SYMBOL TO INDICATE QUANTITY OF HEADS TO BE PROVIDED.

FLOOD LIGHT TYPE FIXTURE, LAMP SOURCE, BEAM PATTERN AND MOUNTING PER LIGHTING FIXTURE SCHEDULE.

BOLLARD TYPE LIGHTING FIXTURES. LAMP SOURCE, DISTRIBUTION AND HEIGHT PER LIGHTING FIXTURE SCHEDULE.

RECESSED STEP LIGHTING FIXTURE. LAMP SOURCE AND DISTRIBUTION PER LIGHTING FIXTURE SCHEDULE.

BUILDING MOUNTED AREA LIGHTING TYPE FIXTURE. LAMP SOURCE AND DISTRIBUTION PER LIGHTING FIXTURE SCHEDULE.

POLE MOUNTED AREA LIGHTING FIXTURE. LAMP SOURCE, DISTRIBUTION, POLE HEIGHT AND QUANTITY OF LUMINAIRES PER LIGHTING FIXTURE SCHEDULE.

(#) — SPORTS LIGHTING AREA FIXTURE ASSEMBLY. NUMBER INDICATES POLE NUMBER PER MANUFACTURER DRAWINGS.

CEILING MOUNTED EXIT SIGN. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED IN PLANS. POWERED, NON–POWERED OR 90 MINUTE MINIMUM EM BATTERY PACK PER LIGHTING FIXTURE SCHEDULE.

WALL MOUNTED EXIT SIGN. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED IN PLANS. POWERED, NON–POWERED OR 90 MINUTE MIN EM BATTERY PACK PER LIGHTING FIXTURE SCHEDULE.

WALL MOUNTED LOW LEVEL EXIT SIGN. DIRECTIONAL ARROW AS INDICATED IN PLANS. POWERED, NON–POWERED OR 90 MINUTE MINIMUM EM BATTERY PACK PER LIGHTING FIXTURE SCHEDULE.

WALL MOUNTED EMERGENCY (BUG–EYE) TYPE LIGHTING FIXTURE. LAMP SOURCE, WATTAGE AND VOLTAGE PER LIGHTING FIXTURE SCHEDULE.

STANDARD 20A, 120/277V–1ø SPST TOGGLE SWITCH MOUNTED AT +45" AFF.
ab – INDICATES QUANTITY OF SWITCHES TO BE LOCATED AT THIS LOCATION AND THEIR CONTROL IDENTIFICATION
3 – INDICATES 3–WAY SWITCH
K – INDICATES KEYED SWITCH

SLIDING TYPE DIMMER SWITCH WITH AIR GAP OFF MOUNTED AT +45" AFF. PROVIDE LUTRON "NOVA–T" SERIES OR APPROVED EQUAL. DIMMER TO BE COMPATIBLE WITH LAMP TYPE UTILIZED AND THE CONTROL ZONE LOAD. VERIFY DE–RATING WITH MANUFACTURER'S LITERATURE.

WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR MOUNTED AT +45" AFF. PROVIDE WATTSTOPPER #DW–100 OR EQUAL.
ab – PROVIDE WATTSTOPPER #DW–200 OR EQUAL.

WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. PROVIDE WATTSTOPPER #DT–200 AND #BZ–50 POWER PACK OR EQUAL. WALL MOUNTED DEVICE LOCATIONS TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALL.
ab – PROVIDE WATTSTOPPER #DT–200 SENSOR WITH (2) #BZ–50 POWER PACKS OR EQUAL.

CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. PROVIDE WATTSTOPPER #DT–300 AND #BZ–50 POWER PACK OR EQUAL.
ab – PROVIDE WATTSTOPPER #DT–300 SENSOR WITH (2) #BZ–50 POWER PACKS OR EQUAL.

LOW VOLTAGE LIGHTING CONTROL STATION. MANUFACTURER AND QUANTITY OF BUTTONS AS INDICATED IN PLANS.

NOTE: REFERENCE LIGHTING CONTROLS DIAGRAMS AND SPECIFICATIONS SHEET FOR ADDITIONAL LIGHTING CONTROLS SPECIFICATIONS AND REQUIREMENTS.

NOTE:
UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER OF RECORD AND THE DIVISION OF THE STATE ARCHITECTS OFFICE (DSA) .

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
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Project No.: 2022-01629-05

REGISTERED PROFESSIONAL ENGINEER ROY L. LOFLAND No. 13442 Exp. 08/31/26 ELECTRICAL STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY R DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#.	REVISION DATE	DESCRIPTION

DRAWING TITLE

ELECTRICAL SYMBOLS LIST

5E0.01

SCALE: AS INDICATED

PLOT DATE

Last plotted by keenan.chu Layout1 P:\2022\2022-01629-00\cad\Pkg 5 New North Building\Elect LV FA\5E0-01 - ELECTRICAL SYMBOLS LIST.dwg 03/17/2026 15:23

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

SIGNAL PLAN GENERAL NOTES

1. PROVIDE CONDUITS WITH PULL TAPE/LINE WITH FIVE (5) FEET OF ADDITIONAL PULL TAPE COILED AT EACH END.
2. CONDUIT BEND RADII SHALL BE A MINIMUM OF SIX (6) TIMES THE INTERNAL DIAMETER FOR CONDUITS 2" AND UNDER AND TEN (10) TIMES THE INTERNAL DIAMETER FOR CONDUITS GREATER THAN 2".
3. CONDUITS AND SLEEVES PROTRUDING THROUGH FLOOR SHALL TERMINATE MINIMUM 3" BEYOND FLOOR SURFACE. REFERENCE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. ALL CONDUIT PENETRATIONS SHALL BE SEALED WITH MECHANICAL SEALS OR PLUGS TO PREVENT THE INFILTRATION OF GAS AND/OR WATER.
5. PROVIDE LABEL IDENTIFICATION FOR EACH CONDUIT AND PULL BOX PER IDENTIFICATION SPECIFICATION REQUIREMENTS. CONDUITS SHALL BE TAGGED WITH THE LOCATION OF THE OTHER END AND DISTANCE OF CONDUIT RUN.
6. ALL BELOW GRADE OR IN-SLAB MOUNTED CONDUITS SHALL BE CLEAN AND FREE OF ALL WATER AND DEBRIS PRIOR TO THE INSTALLATION OF SYSTEM CABLING.
7. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH AN APPROVED FIRE STOP SYSTEM EQUAL TO OR GREATER THAN THE RATING OF THE WALL BEING PENETRATED.
8. ALL DEVICES MOUNTED BACK TO BACK ON COMMON WALLS SHALL BE INSTALLED IN SEPARATE BOXES AND OFFSET 24" MINIMUM OR PROVIDED WITH PUTTY OR ANOTHER APPROVED SOUND PROOF BACKING.
9. WHEN EXPOSED CEILING OR OPEN GRID CONDITIONS EXIST, CONTRACTOR SHALL PROVIDE:

   ALL BRANCH CIRCUITS TO BE INSTALLED IN EMT.
   ALL BRANCH CIRCUITS SHALL BE ROUTED PARALLEL TO BUILDING STRUCTURES AND RACKED NEATLY IN GROUPS OF MULTIPLE PATHWAYS.

   ALL LOW VOLTAGE CABLES SHALL BE:
   A. INSTALLED IN EMT CONDUIT PATHWAYS OR
   B. INSTALLED NEATLY IN CABLE MANAGEMENT OPEN BASKET OR LADDER TYPE WIREWAY SUPPORTED INDEPENDENTLY FROM STRUCTURE ABOVE.

   EXPOSED LOW VOLTAGE CABLING IN OPEN TYPE CEILING APPLICATIONS INSTALLED ON D-RINGS, J-HOOKS OR SIMILAR APPARATUS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY ARCHITECT/ENGINEER PRIOR TO ANY ROUGH IN OR INSTALLATION. CONTRACTOR SHALL INCLUDE AN ALLOWANCE IN HIS BASE BID FOR THE INSTALLATION OF LOW VOLTAGE CABLES IN OPEN CEILINGS AS DESCRIBED.
10. EXPOSED CABLE/CONDUCTORS INSTALLED IN A PLENUM SPACE SHALL BE LISTED FOR SUCH ENVIRONMENT AND INSTALLATION SHALL CONFORM TO NEC, OR CEC WHERE ADOPTED, ARTICLE 300.22(C).

POWER PLAN GENERAL NOTES

1. ALL WALL MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH ARCHITECTURAL ROOM ELEVATIONS PRIOR TO ROUGH-IN.
2. PENETRATIONS THRU FIRE RATED WALLS SHALL BE PROTECTED WITH AN APPROVED FIRE STOP SYSTEM EQUAL TO OR GREATER THAN THE RATING OF THE WALL BEING PENETRATED.
3. ALL DEVICES MOUNTED BACK TO BACK ON COMMON WALLS SHALL BE INSTALLED IN SEPARATE BOXES AND OFFSET 24" MINIMUM OR PROVIDED WITH PUTTY OR ANOTHER APPROVED SOUND PROOF BACKING.
4. WHEN EXPOSED CEILING OR OPEN GRID CONDITIONS EXIST, CONTRACTOR SHALL PROVIDE:

   ALL BRANCH CIRCUITS TO BE INSTALLED IN EMT.
   ALL BRANCH CIRCUITS SHALL BE ROUTED PARALLEL TO BUILDING STRUCTURES AND RACKED NEATLY IN GROUPS OF MULTIPLE PATHWAYS.

   ALL LOW VOLTAGE CABLES SHALL BE:
   a. INSTALLED IN EMT CONDUIT PATHWAYS OR
   b. INSTALLED NEATLY IN CABLE MANAGEMENT OPEN BASKET OR LADDER TYPE WIREWAY SUPPORTED INDEPENDENTLY FROM STRUCTURE ABOVE.

   EXPOSED LOW VOLTAGE CABLING IN OPEN TYPE CEILING APPLICATIONS INSTALLED ON D-RINGS, J-HOOKS OR SIMILAR APPARATUS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY ARCHITECT/ENGINEER PRIOR TO ANY ROUGH IN OR INSTALLATION. CONTRACTOR SHALL INCLUDE AN ALLOWANCE IN HIS BASE BID FOR THE INSTALLATION OF LOW VOLTAGE CABLES IN OPEN CEILINGS AS DESCRIBED.
5. EXPOSED CABLE/CONDUCTORS INSTALLED IN A PLENUM SPACE SHALL BE LISTED FOR SUCH ENVIRONMENT AND INSTALLATION SHALL CONFORM TO NEC, OR CEC WHERE ADOPTED, ARTICLE 300.22(C).
6. TAMPER RESISTANT TYPE RECEPTACLES SHALL BE PROVIDED IN ALL AREAS OF A BUILDING OR STRUCTURE (FOR EDUCATIONAL, SUPERVISORY OR PERSONAL CARE) OR PORTION THERE OF WHERE FOUR (4) OR MORE CHILDREN OF AGES SEVEN (7) YEARS OR LESS, ARE PRESENT (CEC 406.2, 406.4(D)(5), 406.11 THROUGH 406.14.)

SITE PLAN GENERAL NOTES

1. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO COMMENCEMENT OF WORK BY CONTACTING UNDERGROUND SERVICE ALERT (U.S.A.) AT 1(800) 422-4133, OR OTHER LOCAL APPLICABLE UNDERGROUND SERVICE ALERT AGENCIES.
2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
3. ELECTRICAL DRAWINGS ILLUSTRATE LOCATIONS OF FIXTURES AND ASSEMBLIES, PULL BOXES, MANHOLES, HANDHOLES AND VAULTS, INCLUDING OTHER ELECTRICAL UNDERGROUND STRUCTURES AND PATHWAYS. CONTRACTOR SHALL CLOSELY COORDINATE EXACT LOCATIONS AND MOUNTING DEPTHS OF ALL DEVICES, STRUCTURES AND PATHWAYS WITH OTHER TRADES PRIOR TO PLACEMENT, TO ENSURE FINAL LOCATIONS ARE OUTSIDE CRITICAL LANDSCAPE AND ARCHITECTURAL AREAS AND NOT IN CONFLICT WITH THE INSTALLATION OF MATERIALS BY OTHER TRADES..
4. MINIMUM CONDUIT SIZE SHALL BE 3/4" – U.O.N.
5. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. – U.O.N.
6. ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR THAT, AT MINIMUM, MATCHES THE SIZE OF THE ASSOCIATED BRANCH CIRCUIT CONDUCTOR. WHERE MULTIPLE BRANCH CIRCUITS ARE ROUTED/GROUPED TOGETHER, THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
7. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
8. SEE ARCHITECTURAL/LANDSCAPE ARCHITECT PLANS FOR EXACT LOCATION OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE SUCH ITEMS ARE NOT PLACED IN CRITICAL PLANTING/HARDSCAPE AREAS.
9. FOR ADDITIONAL REQUIREMENTS, SEE POWER SINGLE LINE DIAGRAM.

SINGLE LINE DIAGRAM NOTES

1. ALL SWITCHGEAR, PANELBOARDS, ETC. ARE TO BE UL LISTED FOR THEIR LOCATION AND INTENDED USE. ALL EQUIPMENT SHALL BE BRACED FOR FAULT CURRENT RATINGS ASSOCIATED WITH THEIR VOLTAGE AND LOCATION WITHIN THE SYSTEM.
2. ALL EQUIPMENT, FEEDERS, CIRCUITS, SERVICES, ETC. SHALL BE GROUNDED PER CEC ARTICLE 250.
3. ALL FEEDERS ARE BASED ON COPPER CONDUCTORS AND SHALL CARRY A SEPARATE GROUNDING CONDUCTOR.
4. ALL SWITCHES OR CIRCUIT BREAKERS ARE THREE POLE UNLESS OTHERWISE NOTED.
5. ALL SWITCHBOARDS SHALL BE OF SWITCHBOARD CONSTRUCTION WITH TIN PLATED COPPER BUSSING AND ALL SECTIONS SHALL ALIGN IN FRONT. MAIN SWITCHBOARDS SHALL CONTAIN CUSTOMER METERING FOR VOLTAGE, AMPACITY, DEMAND AND PEAK DEMAND PER PHASE.
6. ALL MAIN SWITCHBOARDS SHALL HAVE FACTORY INSTALLED TRANSIENT VOLTAGE SURGE PROTECTION. COORDINATE WITH LOCAL UTILITY COMPANY, ANY AND ALL DISTRIBUTION EQUIPMENT PROVIDED WITH SPD(S) SHALL INCLUDE CIRCUIT BREAKER(S) (SHOWN OR NOT SHOWN) AND PHYSICAL SPACE PROVISIONS TO SERVE THE PROVIDED SPD(S).
7. ALL DISTRIBUTION BOARDS SHALL BE OF SWITCHBOARD CONSTRUCTION WITH TIN PLATED COPPER BUSSING AND ALL SECTIONS SHALL ALIGN IN FRONT.
8. ALL DISTRIBUTION PANELBOARDS SHALL BE OF GMR/CCB CONSTRUCTION WITH TIN PLATED COPPER BUSSING WITH A DEPTH OF LESS THAN 14" AND ALL SECTIONS SHALL ALIGN IN FRONT.
9. ALL PANELBOARDS SHALL BE OF PANELBOARD CONSTRUCTION WITH TIN PLATED COPPER BUSSING, BOLT-IN BREAKERS, FACTORY INSTALLED MAINS, DEAD FRONT COVERS WITH LOCKABLE DOOR, AND PANEL DIRECTORY PER PANEL SCHEDULE WHICH IS PART OF THESE CONSTRUCTION DOCUMENTS.
10. ALL ELECTRICAL EQUIPMENT (i.e. SWITCHBOARDS, PANELBOARDS, DISCONNECTS, STARTERS, ETC.) SHALL HAVE A NAMEPLATE. THE NAMEPLATE SHALL BE PHENOLIC WITH ENGRAVED WHITE LETTERS AND SHALL PROVIDE THE FOLLOWING INFORMATION:

    LINE 1 – "EQUIPMENT NAME"
    LINE 2 – "FED FROM ..."
    LINE 3 – "VOLTAGE, AMPACITY, PHASE"
    LINE 4 – "DATE INSTALLED"

    NAMEPLATES SHALL BE SIZED BASED ON THE FOLLOWING:

    SWITCHBOARDS, DISTRIBUTION BOARDS, TRANSFORMERS:
    * LINE 1 = 1/2" LETTERS, LINES 2, 3, & 4 = 1/4" LETTERS

    PANELBOARDS, MOTOR CONTROL CENTERS, DISCONNECTS, STARTERS, ETC:
    * LINE 1 = 3/8" LETTERS, LINES 2, 3, & 4 = 1/4" LETTERS

    NAMEPLATE COLORS SHALL BE AS FOLLOWS:

    BLACK = NORMAL POWER
    RED = LIFE SAFETY/EMERGENCY POWER
    BLUE = STANDBY POWER
    GREEN = INVERTOR POWER

    ALL NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) SCREWS. NO SELF ADHESIVE NAMEPLATES ARE ALLOWED.
11. ALL CONDUCTORS HAVE BEEN REVIEWED FOR VOLTAGE DROP. CONTRACTOR IS TO NOTIFY ENGINEER IF FIELD CONDITIONS SUBSTANTIALLY INCREASE CONDUCTOR LENGTH.
12. ALL FLOOR-STANDING EQUIPMENT LOCATED AT GRADE OR BELOW SHALL HAVE A MINIMUM 4" HIGH HOUSEKEEPING PAD INSTALLED UNDER THEM. PAD SHALL EXTEND 4" BEYOND EQUIPMENT FOOTPRINT IN ALL DIRECTIONS. THE INSTALLATION OF A PAD SHALL ALSO APPLY TO EQUIPMENT THAT MIGHT BE SUSCEPTIBLE TO WATER DAMAGE THAT IS LOCATED IN AREAS OTHER THAN AT GRADE.
13. PROVIDE PROTECTIVE RELAYS FOR PHASE FAILURE AND UNDERVOLTAGE FOR ALL MOTOR-RELATED CIRCUITS.
14. PROVIDE ALL ASSOCIATED COSTS FOR THIRD PARTY TESTING FOR ALL EQUIPMENT. PROVIDE RESULTS FOR ALL TESTS AS PART OF THE SUBMITTAL REVEW PROCESS. TESTS REQUIRED SHALL BE PERFORMED ON ALL EQUIPMENT AND CONDUCTORS SHOWN IN THESE CONSTRUCTION DOCUMENTS INCLUDING 12KV, 480V, AND 208V DISTRIBUTION SYSTEMS IN THEIR ENTIRETY AND SHALL CONSISTS OF:
    - § POWER CONDUCTORS: INSPECTION FOR PHYSICAL DAMAGE, PROPER CONNECTION, CONTINUITY, SHORT-CIRCUITS, AND INSULATION RESISTANCE TESTING – CONDITION AND VALUES TO BE PER MANUFACTURE'S RECOMMENDATIONS AND INDUSTRY STANDARDS.
    - § GROUND-FAULT: WHERE APPLICABLE, PROVIDE GROUND-FAULT TESTING FOR FEEDER BREAKER(S).
    - § EQUIPMENT: PROVIDE ARC-FLASH, SHORT CIRCUIT, PROTECTIVE DEVICE EVALUATION, AND PROTECTIVE DEVICE COORDINATION STUDIES OBTAINED FROM THE SWITCHGEAR MANUFACTURER. THIS STUDY AND SUBMITTAL SHALL BE PROVIDED FOR REVIEW AND APPROVAL AS PART OF THE SWITCHGEAR SUBMITTALS AND SHALL REFLECT THE POWER COMPANY'S SHORT CIRCUIT CONTRIBUTION AND INCLUDE RESISTANCE AND REACTANCE COMPONENTS OF THE BRANCH IMPEDANCES, THE X/R RATIONS, BASE QUANTITIES SELECTED, AND OTHER SOURCE IMPEDANCES. THE RESULT OF THIS STUDY SHALL BE USED BY THE ELECTRICIAN TO (1) GENERATE AND INSTALL THE PROPER ARC-FLASH LABELS AND (2) PROPERLY SELECT (OR TO CHECK THE SELECTED) OF POWER FUSE RATINGS, PROTECTIVE RELAY CHARACTERISTICS AND SETTINGS, RATIOS AND CHARACTERISTICS OF ASSOCIATED CURRENT TRANSFORMERS AND LOW-VOLTAGE TRIP CHARACTERISTICS AND SETTINGS. FURNISH COMPLETE REPORT WITH LOG-LOG PAPER PLOTS MIMICKING ONE LINE DIAGRAMS AND REFLECTING PROPOSED AS-BUILT FEEDER LENGTHS.
16. ALL NEW TRANSFORMERS SHALL BE OF COPPER CORE WINDINGS WITH MINIMUM 105° TEMPERATURE RISE, U.O.N.
17. FOR ALL FEEDER BREAKERS RATED 1200A AND ABOVE, PROVIDE CIRCUIT BREAKER WITH ARC-ENERGY-REDUCING MAINTENANCE SWITCH IN COMPLIANCE WITH NEC 240.87 (A) AND (B). PROVIDE DOCUMENTATION AND LABELING FOR THIS DEVICE IN ACCORDANCE WITH THIS CODE SECTION.
18. ALL SWITCHGEAR, PANELBOARDS, ETC, SHALL BE FULLY RATED AND BRACED FOR FAULT CURRENT / A.I.C. RATING SHOWN ON PLANS. THE CONTRACTOR MAY AS A COST-SAVINGS ITEM, PROPOSE SERIES RATING SWITCHGEAR, PANELBOARDS, ETC., IF DESIRED, AT TIME OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE CUT SHEETS OF PROPOSED SERIES-RATED EQUIPMENT ALONG WITH SERIES RATING TABLES PROVIDED BY THE MANUFACTURER IDENTIFYING LISTED SERIES RATINGS FOR REVIEW AND APPROVAL. SERIES RATED EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE A SERIES COMBINATION RATING, IN ACCORDANCE WITH NEC (OR CEC-WHERE ADOPTED) REQUIREMENTS.
19. PROVIDE FACTORY INSTALLED TRANSIENT VOLTAGE SURGE PROTECTION DEVICE(S) (SPD) IN ALL CRITICAL OPERATIONS DATA SYSTEMS PER NEC 645.18, FIRE PUMP CONTROLLERS PER NEC 695.15, AND ALL EMERGENCY SYSTEMS SWITCHBOARDS AND PANELBOARDS PER NEC 700.8. TYPE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS. ANY AND ALL DISTRIBUTION EQUIPMENT PROVIDED WITH SPD(S) SHALL INCLUDE CIRCUIT BREAKER(S) (SHOWN OR NOT SHOWN) AND PHYSICAL SPACE PROVISIONS TO SERVE THE PROVIDED SPD(S).
20. FAULT CURRENT SHALL BE CALCULATED AND POSTED PRIOR TO FINAL INSPECTION PER CEC 110.24.

SEISMIC BRACING NOTES

APPLICABLE CODE: 2022 CBC PER IR 16-13.

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

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, AND 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 SYSTEMS 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: DEFERRED SUBMITTAL

MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOVABLE 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 FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOVABLE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONETS 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 THE ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

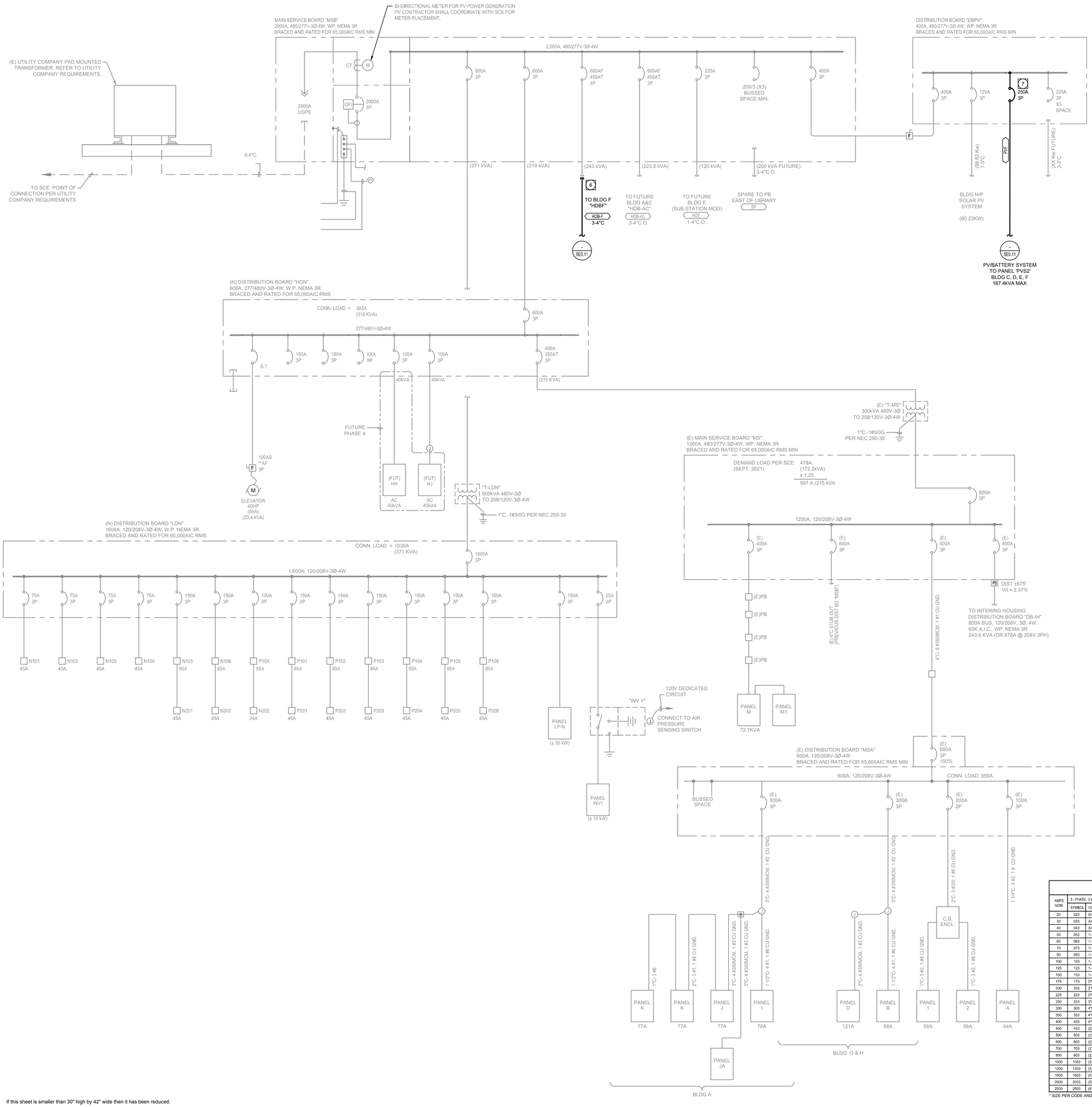
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED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

GENERAL ELECTRICAL NOTES

24. COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE C.E.C. ART. 250. ALL FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED WITH A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC 250-122.
25. ALL ELECTRICAL EQUIPMENT CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK. CONTRACTOR SHALL INCLUDE AS PART OF THE ELECTRICAL EQUIPMENT SUBITTALS 1/4" SCALED ROOM/PLAN DRAWINGS WITH EQUIPMENT SIZES MATCHING EQUIMENT SUBMITTALS FOR DEDICATED POWER AND LOW VOLTAGE ROOM SPACES.
26. PROVIDE ENGRAVED NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT OR WHERE 4 OR MORE SWITCHES OCCUR. SEE SINGLE LINE DIAGRAM NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
27. PROVIDE THE OWNER AND THIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF JOB.
28. ALL WORK THAT REQUIRES SERVICE INTERRUPTION TO ANY BUILDING ON THE CAMPUS SHALL BE COORDINATED WITH THE OWNER AND CONSTRUCTION MANAGER, A MINIMUM OF 48 HOURS IN ADVANCE, AND SHALL NOT OCCUR DURING BUSINESS HOURS. ALL AREAS OUTSIDE THE SCOPE OF WORK REQUIRING TEMPORARY POWER AND CONNECTIONS TO REMAIN OPERATIONAL DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
29. ALL DISCONNECT SWITCHES TO BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL COMMUNICATIONS/SIGNALING SYSTEM DEVICES ARE COMPATIBLE TO PROVIDE COMPLETE AND OPERABLE SYSTEMS.
31. EVERY CONDUCTOR OF EACH SYSTEM SHALL BE PERMANENTLY TAGGED AS INDICATED IN THE SPECIFICATIONS.
32. CONDUIT SHOWN AS EXPOSED ON THE INTERIOR SHALL BE WIREMOLD 2000 SERIES RUN IN RIGHT ANGLES OR PARALLEL TO FINISHED FLOOR SECURED AND INSTALLED WITH NECESSARY ACCESSORIES FOR COMPLETE INSTALLATION.
33. ALL UNDERGROUND UTILITIES AND/OR STRUCTURES THAT ARE SHOWN ON THE PLANS HAVE BEEN REPORTED BY THE OWNER AND/OR OTHERS AND THOSE THAT WERE SHOWN ON THE RECORD DRAWINGS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD THE ENGINEER HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES AND/OR STRUCTURES NOT REPORTED TO THE ENGINEER, NOT INDICATED ON THE RECORDS DRAWINGS EXAMINED AND LOCATED AT VARIANCE WITH THAT REPORTED AND/OR SHOWN ON THE RECORDS DRAWINGS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES AND/OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER, ARCHITECT AND ENGINEER OF THE UTILITIES AND/OR STRUCTURES CONCERNED BEFORE STARTING WORK.
34. ALL CONDUIT ONLY (C.O.) SHALL BE PROVIDED WITH A 3/16" PULL ROPE, TAGGED AND IDENTIFIED AT BOTH ENDS WITH THE LOCATION OF TERMINATION.
35. WHERE A CONFLICT OCCURS BETWEEN THE PLANS AND THE ELECTRICAL SPECIFICATIONS ISSUED AS A PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL.
36. ALL DEVICE COVERPLATES ON ALL OUTLETS (RECEPTACLES, VOICE, DATA, VIDEO OUTLETS, ETC.) AND JUNCTION/PULL BOXES SHALL BE IDENTIFIED WITH RELEVANT SOURCE INFORMATION. I.E. PANEL/CIRCUIT NUMBERS FOR RECEPTACLES, IDF OR CABINET FOR VOICE/DATA, SECURITY, VIDEO, ETC.
37. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED CONCEALED IN THE CEILING SPACE AND IN SUCH A MANNER AS TO AVOID INTERFERENCE WITH BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES.
38. CONDUIT AND WIRE INDICATED ON THE SINGLE LINE DIAGRAM, WHETHER SHOWN ON THIS DRAWING OR NOT, SHALL BE A PART OF THIS CONTRACT AND THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE REQUIRED ROUTING TO MEET THE INTENT OF THESE PLANS AND SPECIFICATIONS.
39. BUILDING SURFACES AND STRUCTURES DAMAGED BY DEMOLITION WORK, OR DAMAGED DURING INSTALLATION ACTIVITIES, SHALL BE REPAIRED, PATCHED, AND RE-FINISHED TO THE SATISFACTION OF THE OWNER. SURFACE-MOUNTED BOXES, CONDUIT, FITTINGS, AND ASSOCIATED SUPPORT STRUCTURES INDICATED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIRETY, WITH ATTACHMENT-HARDWARE-STAINED WALLS/CEILINGS PAINTED TO MATCH ADJACENT SURFACES. RECESSED BOXES REMAINING AFTER INDICATED DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY, OR BLANKED OVER WITH A PERMANENTLY-SECURED COVER PLATE AND PAINTED TO MATCH ADJACENT SURFACES.
40. FOR CLARITY, ONLY RECONSTRUCTION/NEW WORK-RELATED ELEMENTS AND SELECTED EXISTING FACILITIES SPECIFICALLY REQUIRING COORDINATION WITH THE NEW WORK ARE SHOWN.
41. COMMUNICATION CABLING SHALL BE ROUTED VIA OVERHEAD DISTRIBUTION SYSTEM U.O.N. THE OVERHEAD DISTRIBUTION SHALL INCLUDE SLEEVES AND CONDUIT FOR CABLE ENTRANCE TO DESIGNATED COMMUNICATION AND/OR ELECTRICAL ROOMS AND SPACES; AND OWNER-APPROVED OPEN-TOP SUPPORT DEVICES SUCH AS J-HOOKS, HANGERS, STRAPS [AND CABLE TRAY OR CONDUIT WHERE SHOWN] LISTED FOR THAT PURPOSE. PROVIDE CONDUIT SLEEVES TO ROUTE CABLING THROUGH ALL WALLS, FLOORS, AND CEILINGS, INCLUDING ADDITION OF LISTED FIRESTOPPING SYSTEM FOR PENETRATION OF RATED FIRE-RESISTANT BARRIERS.
42. ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BASE BID AND CONTRACT THE INSTALLTION AND COMMISSIONING OF ALL LIGHTING CONTROLS, INCLUDING BUT NOT LIMITED TO, OCCUPANCY SENSORS, TIMERS, DIMMING CONTROLS AND DAY-LIT ZONE CONTROLS AND IS REQUIRE TO VERIFY THAT THE LIGHTING CONTROLS ARE ADJUSTED, PROGRAMMED AND FUNCTIONING IN ACCORDANCE WITH THE DESIGN AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR SUBMITTING DOCUMENTATION (INSTALLATION FORMS [NRCI]) CERTIFYING THAT THE LIGHTING SYSTEMS ARE IN COMPLIANCE WITH, OR EXCEED THE PERFORMANCE REQUIREMENTS FOR, PROJECTS 10,000 SQFT OR OVER. CONTRACTOR SHALL ALSO FURNISH CEC T24 REQUIRED FUNCTIONAL PERFORMANCE TESTING BY A CERTIFIED LIGHTING CONTROLS TEST TECHNICIAN (CALCATT) AND SUBMIT DOCUMENTATION (ACCEPTANCE FORMS [NRCA]) AS REQUIRED.

1. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATIONAL SYSTEM.
2. COORDINATE AND OBTAIN APPROVALS FROM ALL RESPECTIVE GOVERNMENTAL AGENCIES AND UTILITY COMPANIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
3. ALL ELECTRICAL CONTRACTOR'S WORK SHALL PERFORMED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL GOVERNING CODES.
4. INSTALL RACEWAY SYSTEMS AS FOLLOWS:
   a. USE RIGID GALVANIZED STEEL (RGS) IN ALL AREAS EXPOSED TO WEATHER OR SUSCEPTIBLE TO PHYSICAL DAMAGE.
   b. USE FLEXIBLE METALLIC CONDUIT FOR SHORT CONNECTIONS TO LIGHTING FIXTURES (6' MAX. WHIP LENGTH), CONNECTION TO EQUIPMENT REQUIRING VIBRATION ISOLATION AND HORIZONTAL RUNS IN WOOD STUD WALLS (WITH WRITTEN APPROVAL PRIOR TO INSTALLATION). USE SEAL-TITE IN AREAS EXPOSED TO WEATHER.
   c. USE ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION TYPE FITTINGS FOR BUILDING INTERIOR WORK.
   d. USE P.V.C. CONDUIT FOR UNDERGROUND INSTALLATION PROVIDED WITH CODE SIZED GROUND CONDUCTOR. CONDUIT RISERS AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF-LAPPED TAPE COVERING OR P.V.C. COATING.
   e. THE USE OF METAL CLAD (MC) CABLE IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER OF RECORD. DISCOVERY OF INSTALLED MC CABLE WITHOUT WRITTEN APPROVAL SHALL BE REMOVED AND REPLACED WITH CONDUIT AND WIRE AT CONTRACTOR'S EXPENSE, AND NO COST TO THE OWNER.
5. ALL NEW WIRING SHALL BE 600 VOLT RATED COPPER TYPE "THHN/THWN" – U.O.N..
6. UNLESS OTHERWISE NOTED, MOUNTING HEIGHTS INDICATED ON ELECTRICAL OUTLETS ARE FROM FINISHED FLOOR TO CENTER OF OUTLETS.
7. ALL FIXTURE, DEVICE, ETC... LOCATIONS SHALL BE VERIFIED WITH ARCH. DRAWINGS AS WELL AS EQUIPMENT SUPPLIER REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK.
8. ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANC



SINGLE LINE GENERAL NOTES

SEE SHEET E0.02 FOR TYPICAL SINGLE LINE DIAGRAM NOTES. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS INDICATED THERE IN REGARDING SURGE PROTECTION, COORDINATION STUDIES, SWITCHGEAR AND TRANSFORMER MATERIALS REQUIREMENTS, HOUSEKEEPING PADS, ETC.

KEY NOTES

1. TO UTILITY COMPANY TRANSFORMER.
2. 3/4"C.-#3/0 CU. GROUND PER NEC 250-50, 250-52 (A1-3), 250-53 (C & D).
3. 3/4"C.-#3/0 CU. BOND TO COLD WATER PIPE PER NEC 250-104(A).
4. EQUIPMENT BOND PER NEC 250-102(c).
   1600 AMP - 1 #300KCMIL CU.
   2000 AMP - 1 #400KCMIL CU.
   2500 AMP - 1 #500KCMIL CU.
   3000 AMP - 1 #600KCMIL CU.
   4000 AMP - 1 #750KCMIL CU.
5. 3/4"C.-#3/0 CU. COMMON GROUND ELECTRODE CONDUCTOR TO BE RAN BETWEEN ALL ELECTRICAL SERVICES ON THE PREMISES IN ACCORDANCE WITH NEC 250.58
6. INTERCEPT AND EXTEND EXISTING CONDUITS. SEE SITE PLAN.
7. EXISTING 125A CB TO BE REPLACED WITH NEW 250A RATED CIRCUIT BREAKER. MATCH ALL EXISTING DISTRIBUTION BOARD CHARACTERISTICS.

ELECTRICAL SERVICE SIZING CALCULATION - NEW MAIN SERVICE BOARD "MSB"

EXISTING SERVICE "MS" (120/208V, 3PH, 4W)			
UTILITY DEMAND PER SCE (9/2021)	138	KW	
DEMAND FACTOR	X125	%	
EXISTING "MS" LOAD	172	KW	
PKG 2 (INTERIM HOUSING)	+243.6	KW	
SUB-TOTAL "MS"	415.6	KW	
PKG 1 (SITE MAKE READY)			
REMOVE (14) PORTABLES @ 12.5KW EA	-175	KW	
TOTAL LOAD "MS"	240.6	KW	(667A 208V,3PH)
NEW MAIN SERVICE "MSB" (277/480V,3PH,4W)			
PKG 3 (NEW 2-STORY BUILDING)			
DISTRIBUTION BOARD "LDN"	371	KW	
DISTRIBUTION BOARD "HDN"	344	KW	
(FUTURE PANEL HH 40 KW)			
(FUTURE PANEL HJ 40KW)			
(40HP ELEVATOR 23.4 KW)			
(EXISTING SERVICE "MS" 240.6)			
SUB TOTAL	715	KW	
PKG 4/5			
NEW BUILDINGS C,D,E,F			
(14) CR @ 16.2 KW EA) + (3) RR (@8.1KW EA)	226.8	KW	
SITE LTG EST.	2	KW	
HOUSE PANEL EST.	25	KW	
(E) RELO CR's (Y, Z, AA) @ 14KW EA	42	KW	
DIST BD HDB-Q	295.8	KW	
FUT. NEW LIBRARY BLDG (2500 SQFT)	43	KW	
FUT. NEW ADMIN BLDG (5000 SQFT)	83	KW	
NEW KITCHEN IN (E) MPR	37.5	KW	
ELECT HVAC UPGRADE BLDG C (3x20KW)	60	KW	
MISC. AND FUTURE LOAD TOTAL	223.5	KW	
NEW CAMPUS MSB ESTIMATED BUILD OUT LOADS			
NEW MAIN SERVICE	715	KW	
NEW BUILDING C,D,E,F	295.8	KW	
NEW ADMIN/LIB/KIT/HVAC	223.5	KW	
NEW MAIN SERVICE BOARD EST. TOTAL	1234.3	KW	(1,486A 480V,3PH)

EXISTING 2,000A 277/480V,3PH,4W NEW MAIN SERVICE BOARD "MSB" IS ADEQUATE.

COPPER (CU) FEEDER SCHEDULE

AMPS NOM.	3 - PHASE, 3 WIRE (CU)		3 - PHASE, 4 WIRE (CU)		3 - PHASE, 5 WIRE (CU)		EQUIPMENT GROUND	ISOLATED GROUND
	SYMBOL	CONDUCTOR	SYMBOL	CONDUCTOR	SYMBOL	CONDUCTOR		
20	023	3/4"C-3#12 AWG	024	3/4"C-4#12 AWG	025	3/4"C-3#12 AWG + ISOLATED GROUND	#12	#12
30	033	3/4"C(3)#10 AWG	034	3/4"C(4)#10 AWG	035	3/4"C(3)#10 AWG + ISOLATED GROUND	#10	#10
40	043	3/4"C(3)#8 AWG	044	1"C(4)#8 AWG	045	1"C(3)#8 AWG + ISOLATED GROUND	#10	#10
50	053	1-1/4"C(3)#6 AWG	054	1-1/4"C(4)#6 AWG	055	1-1/4"C(4)#6 AWG + ISOLATED GROUND	#10	#10
60	063	1-1/4"C(3)#4 AWG	064	1-1/4"C(4)#4 AWG	065	1-1/4"C(4)#4 AWG + ISOLATED GROUND	#10	#10
70	073	1-1/4"C(3)#4 AWG	074	1-1/4"C(4)#4 AWG	075	1-1/4"C(4)#4 AWG + ISOLATED GROUND	#8	#8
90	093	1-1/4"C(3)#2 AWG	094	1-1/2"C(4)#2 AWG	095	1-1/2"C(4)#2 AWG + ISOLATED GROUND	#8	#8
100	103	1-1/2"C(3)#1 AWG	104	1-1/2"C(4)#1 AWG	105	1-1/2"C(4)#1 AWG + ISOLATED GROUND	#8	#8
125	123	1-1/2"C(3)#1/0 AWG	124	2"C(4)#1/0 AWG	125	2"C(4)#1/0 AWG + ISOLATED GROUND	#6	#6
150	153	1-1/2"C(3)#1/0 AWG	154	2"C(4)#1/0 AWG	155	2"C(4)#1/0 AWG + ISOLATED GROUND	#6	#6
175	173	2"C(3)#2/0 AWG	174	2"C(4)#2/0 AWG	175	2"C(4)#2/0 AWG + ISOLATED GROUND	#6	#6
200	203	2"C(3)#3/0 AWG	204	2"C(4)#3/0 AWG	205	2-1/2"C(4)#3/0 AWG + ISOLATED GROUND	#6	#6
225	223	2"C(3)#4/0 AWG	224	2-1/2"C(4)#4/0 AWG	225	2-1/2"C(4)#4/0 AWG + ISOLATED GROUND	#4	#4
250	253	3"C(3)#250KCMIL	254	3"C(4)#250KCMIL	255	3"C(4)#250KCMIL + ISOLATED GROUND	#4	#4
300	303	4"C(3)#350KCMIL	304	4"C(4)#350KCMIL	305	4"C(4)#350KCMIL + ISOLATED GROUND	#4	#4
350	353	4"C(3)#500 KCMIL	354	4"C(4)#500 KCMIL	355	4"C(4)#500 KCMIL + ISOLATED GROUND	#2	#2
400	403	4"C(3)#600 KCMIL	404	4"C(4)#600 KCMIL	405	4"C(4)#600 KCMIL + ISOLATED GROUND	#2	#2
450	453	(2)3"C(3)#4/0 AWG	454	(2)2-1/2"C(4)#4/0 AWG	455	(2)2-1/2"C(4)#4/0 AWG + ISOLATED GROUND	#2	#2
500	503	(2)3"C(3)#250 KCMIL	504	(2)3"C(4)#250 KCMIL	505	(2)3"C(4)#250 KCMIL + ISOLATED GROUND	#2	#2
600	603	(2)4"C(3)#350KCMIL	604	(2)4"C(4)#350KCMIL	605	(2)4"C(4)#350KCMIL + ISOLATED GROUND	#1	#1
700	703	(2)4"C(3)#500 KCMIL	704	(2)4"C(4)#500 KCMIL	705	(2)4"C(4)#500 KCMIL + ISOLATED GROUND	#1/0	#1/0
800	803	(2)4"C(3)#600 KCMIL	804	(2)4"C(4)#600 KCMIL	805	(2)4"C(4)#600 KCMIL + ISOLATED GROUND	#1/0	#1/0
1000	1003	(3)4"C(3)#400 KCMIL	1004	(3)4"C(4)#400 KCMIL	1005	(3)4"C(4)#400 KCMIL + ISOLATED GROUND	#2/0	#2/0
1200	1203	(3)4"C(3)#600 KCMIL	1204	(3)4"C(4)#600 KCMIL	1205	(3)4"C(4)#600 KCMIL + ISOLATED GROUND	#3/0	#3/0
1600	1603	(4)4"C(3)#600 KCMIL	1604	(4)4"C(4)#600 KCMIL	1605	(4)4"C(4)#600 KCMIL + ISOLATED GROUND	#4/0	#4/0
2000	2003	(5)4"C(3)#600 KCMIL	2004	(5)4"C(4)#600 KCMIL	2005	(5)4"C(4)#600 KCMIL + ISOLATED GROUND	250	250
2500	2503	(6)4"C(3)#600 KCMIL	2504	(6)4"C(4)#600 KCMIL	2505	(6)4"C(4)#600 KCMIL + ISOLATED GROUND	350	350

* SIZE PER CODE AND BUILDING STANDARD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

Salas O'Brien
salasobrien.com 949.753.1553
Irvine
8825 Research Drive
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Project No.: 2022-01629-05

REGISTERED PROFESSIONAL ENGINEER
ROY LEE CHU
No. 13442
Exp. 09/30/26
ELECTRICAL
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

REVISION	DATE	DESCRIPTION

DRAWING TITLE

SINGLE LINE DIAGRAM

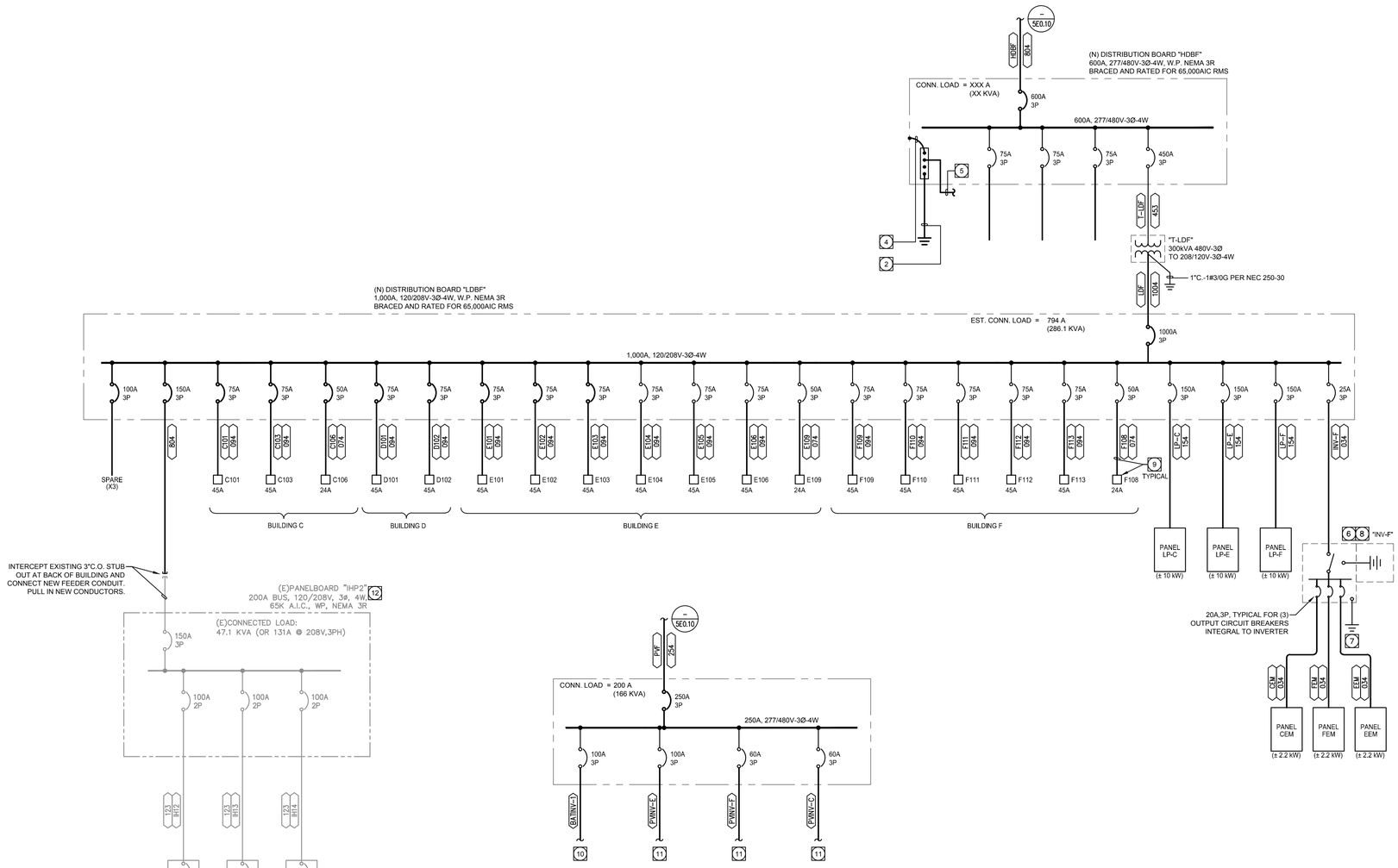
5E0.10

SCALE: AS INDICATED

PLOT DATE

Last plotted by keenan.chu Layout1 P:\2022\2022-01629-00\cad\Pkg 5 New North Building\Elect LV FA\5E0-10 - SINGLE LINE DIAGRAM.dwg 03/16/2026 14:29

If this sheet is smaller than 30" high by 42" wide then it has been reduced.



Source Point	Source AFC Amps	Calculating Point	Phase Type	Line Voltage Volts	Ckt or OCP Amps	Transformer KVA	Transformer %Z	Conductor / Bus Feeder ID	Feeder Name	Size		Adjustment Factor	Adjusted Allow Amps	Conduit Material	Conduit Type	Conduit Size (q'ty) dia.	Length L (ft)	AFC Amps	AIC rating minimum	circuit VD%
	65,000	**MSB**	3Ø4W	480														65,000	65K	
MSB	65,000	**HDBF**	3Ø4W	480	600			804=2		2 Sets of 4 - 600 kCMil	& #1 AWG Gnd		840	PVC			750	15,710	18K	2.88%
HDBF	15,710	**XFRM T-LDF**	3Ø3W	480	450			453=2		2 Sets of 3 #4/0 AWG	& #2 AWG Gnd		460	Steel			20	15,141	18K	0.10%
XFRM T-LDF	15,141	**T-LDF**	3Ø4W	208		300	0.04											34,363	35K	
T-LDF	34,363	**LDBF**	3Ø4W	208	1000			1004=3		3 Sets of 4 - 400 kCMil	& #2/0 AWG Gnd		1005	Steel			10	32,840	35K	0.12%
LDBF	32,840	**IHP2**	3Ø4W	208	200			404		1 Set of 4 - 600 kCMil	& #6 AWG Gnd		420	PVC			450	6,093	10K	2.66%
LDBF	32,840	**C101**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			160	3,906	10K	1.71%
LDBF	32,840	**C103**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			190	3,352	10K	2.03%
LDBF	32,840	**C106**	3Ø4W	208	50			074		1 Set of 4 #4 AWG	& #10 AWG Gnd		70	Steel			220	1,954	10K	2.16%
LDBF	32,840	**D101**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			235	2,764	10K	2.51%
LDBF	32,840	**D102**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			265	2,475	10K	2.82%
LDBF	32,840	**E101**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			80	6,982	10K	0.85%
LDBF	32,840	**E102**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			110	5,390	10K	1.17%
LDBF	32,840	**E103**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			140	4,390	10K	1.49%
LDBF	32,840	**E104**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			170	3,702	10K	1.81%
LDBF	32,840	**E105**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			200	3,201	10K	2.13%
LDBF	32,840	**E106**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			230	2,819	10K	2.45%
LDBF	32,840	**E109**	3Ø4W	208	50			074		1 Set of 4 #4 AWG	& #10 AWG Gnd		70	Steel			260	1,669	10K	2.56%
LDBF	32,840	**F108**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			50	9,907	10K	0.53%
LDBF	32,840	**F109**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			70	7,744	10K	0.75%
LDBF	32,840	**F110**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			100	5,834	10K	1.07%
LDBF	32,840	**F111**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			130	4,679	10K	1.39%
LDBF	32,840	**F112**	3Ø4W	208	80			094		1 Set of 4 #2 AWG	& #8 AWG Gnd		95	Steel			160	3,906	10K	1.71%
LDBF	32,840	**F113**	3Ø4W	208	50			074		1 Set of 4 #4 AWG	& #10 AWG Gnd		70	Steel			190	2,241	10K	1.87%
LDBF	32,840	**LP-C**	3Ø4W	208	150			204		1 Set of 4 #3/0 AWG	& #6 AWG Gnd		200	Steel			270	4,866	10K	2.55%
LDBF	32,840	**LP-E**	3Ø4W	208	150			154		1 Set of 4 #1/0 AWG	& #6 AWG Gnd		150	Steel			100	8,081	10K	1.31%
LDBF	32,840	**LP-F**	3Ø4W	208	150			154		1 Set of 4 #1/0 AWG	& #6 AWG Gnd		150	Steel			65	10,977	14K	0.85%
LDBF	32,840	**INV-F**	3Ø4W	208	25			034		1 Set of 4 #10 AWG	& #10 AWG Gnd		30	Steel			65	1,718	10K	1.14%
INV-F	1,718	**FEM**	3Ø4W	208	30			034		1 Set of 4 #10 AWG	& #10 AWG Gnd		30	Steel			10	1,499	10K	0.21%
FEM	1,499	**CEM**	3Ø4W	208	30			044		1 Set of 4 #8 AWG	& #10 AWG Gnd		40	PVC			160	657	10K	2.21%
FEM	1,499	**EEM**	3Ø4W	208	30			044		1 Set of 4 #8 AWG	& #10 AWG Gnd		40	PVC			185	604	10K	2.55%

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SINGLE LINE GENERAL NOTES

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KEY NOTES

1. NOT USED
2. 3/4"C.-#3/0 CU. GROUND PER NEC 250-50, 250-52 (A1-3), 250-53 (C & D).
3. NOT USED.
4. EQUIPMENT BOND PER NEC 250-102(c).
   1600 AMP - 1 #300KCMIL CU.
   2000 AMP - 1 #400KCMIL CU.
   2500 AMP - 1 #500KCMIL CU.
   3000 AMP - 1 #600KCMIL CU.
   4000 AMP - 1 #750KCMIL CU.
5. 3/4"C.-#3/0 CU. COMMON GROUND ELECTRODE CONDUCTOR TO BE RAN BETWEEN ALL ELECTRICAL SERVICES ON THE PREMISES IN ACCORDANCE WITH NEC 250.58
6. THE INVERTER SYSTEM SHALL BE SEISMICALLY CERTIFIED MYERS "CIII" OR EATON. NO OTHER MANUFACTURES ARE KNOWN EQUALS AT THIS TIME, IF EATON IS USED, ADDITIONAL SPACE MAYBE REQUIRED, ALL ASSOCIATED CHANGES ARE TO BE INCLUDED IN THE BASE BID.
7. MAKE ALL REQUIRED GROUNDING CONNECTIONS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION MANUAL, INCLUDING THE FOLLOWING:
   RUN 1#6 INSULATED GROUND CONDUCTOR TO BUILDING MAIN ELECTRICAL SERVICE GROUND SYSTEM. RUN 1#6 INSULATED GROUND CONDUCTOR FROM THE SYSTEM'S GROUND LUG TO THE BATTERY CABINET GROUND LUG. RUN INSULATED GROUND CONDUCTOR (INCLUDED IN THE FEEDER, SIZE AS SHOWN) TO SYSTEM'S GROUND LUG.
8. INVERTER 'INV-F'
   MANUFACTURER: MYERS OR EATON EQUAL.
   ILLUMINATOR "DR" SERIES, OUTDOOR RATED
   #8-DR-6.5-S-BE2003-XXX-2YW PROVIDE WITH SEISMIC BRACING, STERILIZATION KIT
   "XXX" - CONFIRM MONITORING COMMUNICATION PROTOCAL PRIOR TO ORDER

   UNIT SIZE: 6.5 KVA
   INPUT/OUTPUT VOLTAGE: 120/208V
   SEAL LEAD-CALCIUM BATTERY 90 MIN RUN TIME - UL 924
   SYSTEM SIZE/WEIGHT: 54"Wx30"DX76"H, 2,475 LBS.

   - ELECTRICAL ENERGY STORAGE SYSTEMS (ESS) SHALL BE IN ACCORDANCE WITH CFC 1206.3
   - ELECTRICAL ENERGY STORAGE SYSTEMS (ESS) SHALL FOLLOW GENERAL INSTALLATION REQUIREMENTS (CFC 1206.4)

   PROVIDE WITH THE FOLLOWING WHEN REQUIRED BY CODE:
   - HAZARD MITIGATION ANALYSIS WHEN REQUIRED (CFC 1206.1.4)
   - SIGNAGE (CFC 1206.4.8)
   - SEISMIC BRACING (CFC 1206.4.4)
   - SPRINKLER/FIRE SUPPRESSION AND SMOKE DETECTION SYSTEM. CONNECT 120V TO MECHANICAL PROVIDED AIR PROVING SWITCH AND INTERLOCK WITH FIRE ALARM SYSTEM. - COORDINATE WITH FIRE ALARM DESIGNER/CONTRACTOR (CFC 1206.5.4 AND 1206.5.5)
   - PROVIDE TECHNOLOGY SPECIFIC PROTECTION (CFC 1206.6)
     - EXHAUST VENTILATION (CFC 1206.6.1)
     - SPILL CONTAINMENT AND STERILIZATION KIT (CFC 1206.6.2)
     - EXPLOSION CONTROL REQUIREMENTS (CFC 1206.6.3)
     - SELF RESEALING FLAME ARRES TING SAFETY CAPS (CFC 1206.6.4)
     - BATTERY TEMPERATURE / THERMAL RUNWAY MONITOR TYPE "EAGLE EYE BTM-SERIES". (CFC 1206.6.5)
9. MODULAR BUILDING PANEL AND CONDUIT PATHWAYS IN BUIDLING PROVIDED BY BUILDING MANUFACTURER. EC SHALL PROVIDE ALL FEEDER CONDUCTORS AND FINAL TERMINATIONS.
10. TO BATTERY STORAGE SYSTEM. SEE SOLAR PV/BATTERY DRAWING PACKAGE. ROUTE CONDUITS IN JOINT TRENCH WITH OTHER SITE ELECTRIC PATHWAYS.
11. TO SOLAR PHOTOVOLTAIC SYSTEM. SEE SOLAR PV/BATTERY DRAWING PACKAGE. ROUTE CONDUITS IN JOINT TRENCH WITH OTHER SITE ELECTRIC PATHWAYS.
12. EXISTING MODULAR BUILDING PANELBOARD TO BE RECONNECTED. SAFEOFF, DISCONNECT AND REMOVE EXISTING FEEDER CONNECTED TO INTERIM HOUSING COMPLETE AND CONNECT TO NEW DISTRIBUTION BOARD 'LDBF'. ANY CUT OVER OR OUTAGES TO MODULAR BUILDINGS SHALL BE SCHEDULED/COORDINATED WITH SCHOOL DISTRICT.

2 DISTRIBUTION BOARD ELEVATION

5E0-11 SCALE: NONE

COPPER (CU) FEEDER SCHEDULE

AMPS NOM.	3 - PHASE, 3 WIRE (CU)		3 - PHASE, 4 WIRE (CU)		3 - PHASE, 5 WIRE (CU)		EQUIPMENT GROUND	ISOLATED GROUND
	SYMBOL	CONDUCTOR	SYMBOL	CONDUCTOR	SYMBOL	CONDUCTOR		
20	023	3/4"C-3#12 AWG	024	3/4"C-4#12 AWG	025	3/4"C-3#12 AWG + ISOLATED GROUND	#12	#12
30	033	3/4"C(3)#10 AWG	034	3/4"C(4)#10 AWG	035	3/4"C(3)#10 AWG + ISOLATED GROUND	#10	#10
40	043	3/4"C(3)#8 AWG	044	1"C(4)#8 AWG	045	1"C(3)#8 AWG + ISOLATED GROUND	#10	#10
50	053	1-1/4"C(3)#6 AWG	054	1-1/4"C(4)#6 AWG	055	1-1/4"C(4)#6 AWG + ISOLATED GROUND	#10	#10
60	063	1-1/4"C(3)#4 AWG	064	1-1/4"C(4)#4 AWG	065	1-1/4"C(4)#4 AWG + ISOLATED GROUND	#10	#10
70	073	1-1/4"C(3)#4 AWG	074	1-1/4"C(4)#4 AWG	075	1-1/4"C(4)#4 AWG + ISOLATED GROUND	#8	#8
90	093	1-1/4"C(3)#2 AWG	094	1-1/2"C(4)#2 AWG	095	1-1/2"C(4)#2 AWG + ISOLATED GROUND	#8	#8
100	103	1-1/2"C(3)#1 AWG	104	1-1/2"C(4)#1 AWG	105	1-1/2"C(4)#1 AWG + ISOLATED GROUND	#8	#8
125	123	1-1/2"C(3)#1/0 AWG	124	2"C(4)#1/0 AWG	125	2"C(4)#1/0 AWG + ISOLATED GROUND	#6	#6
150	153	1-1/2"C(3)#1/0 AWG	154	2"C(4)#1/0 AWG	155	2"C(4)#1/0 AWG + ISOLATED GROUND	#6	#6
175	173	2"C(3)#2/0 AWG	174	2"C(4)#2/0 AWG	175	2"C(4)#2/0 AWG + ISOLATED GROUND	#6	#6
200	203	2"C(3)#3/0 AWG	204	2"C(4)#3/0 AWG	205	2-1/2"C(4)#3/0 AWG + ISOLATED GROUND	#6	#6
225	223	2"C(3)#4/0 AWG	224	2-1/2"C(4)#4/0 AWG	225	2-1/2"C(4)#4/0 AWG + ISOLATED GROUND	#4	#4
250	253	3"C(3)#250KCMIL	254	3"C(4)#250KCMIL	255	3"C(4)#250KCMIL + ISOLATED GROUND	#4	#4
300	303	4"C(3)#350KCMIL	304	4"C(4)#350KCMIL	305	4"C(4)#350KCMIL + ISOLATED GROUND	#4	#4
350	353	4"C(3)#500 KCMIL	354	4"C(4)#500 KCMIL	355	4"C(4)#500 KCMIL + ISOLATED GROUND	#2	#2
400	403	4"C(3)#600 KCMIL	404	4"C(4)#600 KCMIL	405	4"C(4)#600 KCMIL + ISOLATED GROUND	#2	#2
450	453	(2)3"C(3)#4/0 AWG	454	(2)2-1/2"C(4)#4/0 AWG	455	(2)2-1/2"C(4)#4/0 AWG + ISOLATED GROUND	#2	#2
500	503	(2)3"C(3)#250 KCMIL	504	(2)3"C(4)#250 KCMIL	505	(2)3"C(4)#250 KCMIL + ISOLATED GROUND	#2	#2
600	603	(2)4"C(3)#350KCMIL	604	(2)4"C(4)#350KCMIL	605	(2)4"C(4)#350KCMIL + ISOLATED GROUND	#1	#1
700	703	(2)4"C(3)#500 KCMIL	704	(2)4"C(4)#500 KCMIL	705	(2)4"C(4)#500 KCMIL + ISOLATED GROUND	#1/0	#1/0
800	803	(2)4"C(3)#600 KCMIL	804	(2)4"C(4)#600 KCMIL	805	(2)4"C(4)#600 KCMIL + ISOLATED GROUND	#1/0	#1/0
1000	1003	(3)4"C(3)#400 KCMIL	1004	(3)4"C(4)#400 KCMIL	1005	(3)4"C(4)#400 KCMIL + ISOLATED GROUND	#2/0	#2/0
1200	1203	(3)4"C(3)#600 KCMIL	1204	(3)4"C(4)#600 KCMIL	1205	(3)4"C(4)#600 KCMIL + ISOLATED GROUND	#3/0	#3/0
1600	1603	(4)4"C(3)#600 KCMIL	1604	(4)4"C(4)#600 KCMIL	1605	(4)4"C(4)#600 KCMIL + ISOLATED GROUND	#4/0	#4/0
2000	2003	(5)4"C(3)#600 KCMIL	2004	(5)4"C(4)#600 KCMIL	2005	(5)4"C(4)#600 KCMIL + ISOLATED GROUND	250	250
2500	2503	(6)4"C(3)#600 KCMIL	2504	(6)4"C(4)#600 KCMIL	2505	(6)4"C(4)#600 KCMIL + ISOLATED GROUND	350	350

* SIZE PER CODE AND BUILDING STANDARD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

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Project No.: 2022-01629-05

REGISTERED PROFESSIONAL ENGINEER
ROY L. LOPEZ
No. 13442
Exp. 09/30/26
ELECTRICAL
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R. DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#.	REVISION DATE	DESCRIPTION

DRAWING TITLE

SINGLE LINE DIAGRAM

5E0.11

SCALE: AS INDICATED

PLOT DATE

MOUNTING:
A.I.C. RATING:
LOCATION:

PANEL LP-F

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 200A
MAIN: 150A
Feeder OCPD: 150A Fed From: LDBF

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
												1				2	20/1			#12 Cu					360		REC - IDAP/IDPS	
												3				4	20/1			#12 Cu						360	REC - AC42/ACPS	
												5				6	20/1			#12 Cu							REC - IDF-C	
												7				8	30/1			#10 Cu				720			REC - IDF-F - L5-30R	
												9				10	20/1			#12 Cu					360		REC - RM F108	
												11				12	20/1			#12 Cu						360	REC - RM F108	
												13				14	20/1			#12 Cu				500			FACP-F	4
												15				16	30/2			#10 Cu					2000		FC-6	
												17				18										2000		
												19				20												
												21				22												
												23				24												

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	CONNECTED BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	- VA	- VA	- VA	- VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	DEMAND BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	

MOUNTING:
A.I.C. RATING:
LOCATION:

PANEL LP-C

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 200A
MAIN: 150A
Feeder OCPD: 150A Fed From: LDBF

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
												1				2	20/1			#12 Cu					360		REC - IDAP/IDPS	
												3				4	20/1			#12 Cu						360	REC - AC42/ACPS	
												5				6	20/1			#12 Cu							REC - IDF-C	
												7				8	30/1			#10 Cu				720			REC - IDF-C - L5-30R	
												9				10	20/1			#12 Cu					360		REC - RM C106	
												11				12	20/1			#12 Cu						360	REC - RM C106	
												13				14	20/1			#12 Cu				500			FACP-C	4
												15				16	30/2			#10 Cu					2000		FC-4	
												17				18										2000		
												19				20												
												21				22												
												23				24												

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	CONNECTED BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	- VA	- VA	- VA	- VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	DEMAND BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	

MOUNTING:
A.I.C. RATING:
LOCATION:

PANEL LP-E

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 200A
MAIN: 150A
Feeder OCPD: 150A Fed From: LDBF

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
												1				2	20/1			#12 Cu					360		REC - IDAP/IDPS	
												3				4	20/1			#12 Cu						360	REC - AC42/ACPS	
												5				6	20/1			#12 Cu							REC - IDF-E	
												7				8	30/1			#10 Cu				720			REC - IDF-E - L5-30R	
												9				10	20/1			#12 Cu					360		REC - RM E108	
												11				12	20/1			#12 Cu						360	REC - RM E108	
												13				14	20/1			#12 Cu				500			FACP-E	4
												15				16	30/2			#10 Cu					2000		FC-#	
												17				18										2000		
												19				20												
												21				22												
												23				24												

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	CONNECTED BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	- VA	- VA	- VA	- VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	1,580 VA	2,720 VA	2,720 VA	**7,020 VA**
	DEMAND BALANCED LINE CURRENT = 19.5 A			HIGH LINE CURRENT (ØB = ØC) = 22.7 A	

MOUNTING: SURFACE
A.I.C. RATING: 10,000 AMPS (minimum)
LOCATION: BLDG F UTILITY RM

PANEL FEM

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 100A
MAIN: 20A
Feeder OCPD: 20A Fed From: INV-F

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
5	EXTERIOR - CANOPY/WALL LTS.	408			24			#12 Cu			20/1	1				2	20/1										SPARE	5
5	EXTERIOR - POLE/BOLLARD LTS.		212		4			#12 Cu			20/1	3				4	20/1			#12 Cu			2		26		EXTERIOR - RECESSED STEP LIGHTS	5
5	SPARE										20/1	5				6	20/1										SPARE	5
	SPACE											7				8											SPACE	
	SPACE											9				10											SPACE	
	SPACE											11				12											SPACE	

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	408 VA	238 VA	0 VA	**646 VA**
	CONNECTED BALANCED LINE CURRENT = 1.8 A			HIGH LINE CURRENT (ØA) = 3.4 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	510 VA	298 VA	- VA	808 VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	510 VA	298 VA	0 VA	**808 VA**
	DEMAND BALANCED LINE CURRENT = 2.2 A			HIGH LINE CURRENT (ØA) = 4.3 A	

MOUNTING: SURFACE
A.I.C. RATING: 10,000 AMPS (minimum)
LOCATION: BLDG C UTILITY RM

PANEL CEM

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 100A
MAIN: 20A
Feeder OCPD: 20A Fed From: INV-F

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
5	EXTERIOR - BLDG. C CANOPY/WALL LTS.	204			13			#12 Cu			20/1	1				2	20/1	0.4	150	#12 Cu			4	100			EXTERIOR - LUNCH SHELTER	5
5	EXTERIOR - BLDG. D CANOPY/WALL LTS.		192		12			#12 Cu			20/1	3				4	20/1	2.6	250	#12 Cu			29		377		EXTERIOR - RECESSED STEP/WALL LIGHTS	5
5	EXTERIOR - BOLLARDS			298	16			#12 Cu			20/1	5				6	20/1	1.2	200	#12 Cu			14			210	EXTERIOR - BLDG B PLATFORM RAMP LIGHTS	5
	SPACE											7				8											SPACE	
	SPACE											9				10											SPACE	
	SPACE											11				12											SPACE	

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	304 VA	569 VA	508 VA	**1,381 VA**
	CONNECTED BALANCED LINE CURRENT = 3.8 A			HIGH LINE CURRENT (ØB) = 4.7 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	380 VA	711 VA	635 VA	1,726 VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	380 VA	711 VA	635 VA	**1,726 VA**
	DEMAND BALANCED LINE CURRENT = 4.8 A			HIGH LINE CURRENT (ØB) = 5.9 A	

MOUNTING: SURFACE
A.I.C. RATING: 10,000 AMPS (minimum)
LOCATION: BLDG E UTILITY RM

PANEL EEM

208 / 120 VOLTS, 3 PHASE, 4 WIRE

BUS: 100A
MAIN: 20A
Feeder OCPD: 20A Fed From: INV-F

NOTE	DESCRIPTION	Volt-Amps Ø AN	Ø BN	Ø CN	Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brk	Ckt No	A	B	C	Ckt No	Ckt Brk	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps Ø AN	Ø BN	Ø CN	DESCRIPTION	NOTE
5	EXTERIOR - CANOPY/WALL LTS.	285			18			#12 Cu			20/1	1				2	20/1										SPARE	5
5	EXTERIOR - POLE/BOLLARD LTS.		234		5			#12 Cu			20/1	3				4	20/1										SPARE	5
5	SPARE										20/1	5				6	20/1										SPARE	5
	SPACE											7				8											SPACE	
	SPACE											9				10											SPACE	
	SPACE											11				12											SPACE	

		Ø AN	Ø BN	Ø CN	Ø A + Ø B + Ø C
PANEL CALCULATION					
CONNECTED LOAD	CONNECTED LOAD:	285 VA	234 VA	0 VA	**519 VA**
	CONNECTED BALANCED LINE CURRENT = 1.4 A			HIGH LINE CURRENT (ØA) = 2.4 A	
DEMAND LOAD	LIGHTING LOAD @ 125%:	356 VA	293 VA	- VA	649 VA
	OTHER LCL @ 125%:	- VA	- VA	- VA	- VA
	CONNECTED RECEPTACLE LOAD:	- VA	- VA	- VA	- VA
	FIRST 10,000 VA @ 100%:	- VA	- VA	- VA	- VA
	REMAINDER @ 50%:	- VA	- VA	- VA	- VA
	CONNECTED KITC. LOAD @ QTY:	- VA	- VA	- VA	- VA
	KITC. LOAD @ DEMAND FACTOR:	- VA	- VA	- VA	- VA
	OTHER NON LCL LOAD @ 100%:	- VA	- VA	- VA	- VA
	LARGEST MOTOR @ 25%:	- VA	- VA	- VA	- VA
	DEMAND LOAD:	356 VA	293 VA	0 VA	**649 VA**
	DEMAND BALANCED LINE CURRENT = 1.8 A			HIGH LINE CURRENT (ØA) = 3 A	

SPECIFIC PANEL SCHEDULE NOTES

1 - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.

2 - PROVIDE SHUNT-TRIP TYPE CIRCUIT BREAKER. INCLUDE 120V CONTROL CIRCUIT TO COIL

3 - PROVIDE GFCI TYPE CIRCUIT BREAKER.

4 - PROVIDE 20A/1P DEDICATED CIRCUIT FOR FIRE ALARM SYSTEM POWER. CIRCUIT BREAKER SHALL CONTAIN " LOCK-ON" DEVICE AND RED INDICATOR LABLED "FIRE ALARM CONTROL CIRCUIT: (NFPA 10.5.5.2). PROVIDE DEVICE BY SPACE AGE ELECTRONICS #ELOCK-FA WITH FA LABEL AND ALLEN HEAD SET SCREW OR APPROVED EQUAL.

5 - CIRCUIT CONTROL TO BE ROUTED THROUGH EXISTING CAMPUS EMS SYSTEM. PROVIDE PELICAN POWER CONTROL MODULE (PM5) AT PANEL LOCATION AND ROUTE CIRCUIT THROUGH RELAY. EACH MODULE PROVIDES (5) RELAYS. PROVIDE RELAYS IN QUANTITIES TO ACCOMODATE ALL EXTERIOR LIGHTING CIRCUITS, WITH 3 RELAYS MINIMUM UNUSED/SPARE. PROVIDE ALL CABLE AND ANTENNA CONNECTIONS FOR INTEGRATION TO EXISTING CAMPUS WIRELESS PELICAN NETWORK/EQUIPMENT. COORDINATE INTEGRATION WITH DISTRICT.

PANEL INDEX

LP-F	FEM
LP-C	CEM
LP-E	EEM

PANEL SCHEDULE NOTES

1. BRANCH CIRCUITS SERVING 15 AND 20 AMP OUTLETS IN DWELLING UNIT BEDROOMS, LIVING ROOMS, DINING ROOMS, PARLOR ROOMS, HALLWAYS, CLOSETS AND SIMILAR SPACES SHALL BE PROTECTED BY AN "ARC-FAULT INTERRUPT CIRCUIT BREAKER" PER NEC 210-12(B).
2. WHERE DEDICATED NEUTRALS ARE NOT PROVIDED ON A PER BRANCH CIRCUIT BASIS, MULTI-WIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS (IE. INTERLOCK OR HANDLE-TIES) TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF BRANCH CIRCUIT ORIGINATION (NEC OR CEC WHERE ADOPTED 210.4(B)). INCLUDES COMMON YOKE (NEC OR CEC WHERE ADOPTED 210.7(B)). INCLUDE PROPOSED PRODUCT WITH MATERIAL/EQUIPMENT SUBMITTALS FOR REVIEW.
3. PROVIDE PANEL WITH FEED THRU LUGS WHEN INDICATED, WITH FEED THROUGH LUGS AT THE OPPOSITE END OF THE PANELBOARD FROM THE PAELBOARD MAIN LUGS.
4. PROVIDE PANEL WITH DOUBLE LUGS WHEN INDICATED, WITH DOUBLE LUG KIT AT SAME END OF THE PANELBOARD AS THE PANELBOARD MAIN LUGS.
5. PROVIDE PANEL WITH ISOLATED GROUND (IG) BUS WHEN INDICATED. IG BUS SHALL BE DRILLED AND TAPPED FOR PANEL CIRCUIT QUANTITY, INCLUDING ALL SPACE/SPARES.
6. WHERE PANEL CIRCUIT BREAKER RATING IS SHOWN AS SERIES RATED, PROVIDE CIRCUIT BREAKERS IN PANELBOARD WHICH ARE SERIES RATED WITH THE UPSTREAM SYSTEM FOR THE AVAILABLE FAULT CURRENT. THE PANELBOARD SHALL BE MARKED WITH THE SERIES CONNECTED RATINGS, AS WELL AS ALL MARKING AS REQUIRED BY THE NEC, OR CEC WHERE ADOPTED, 240-83(C).
7. PROVIDE SPARE 1" CONDUITS FROM EACH PANELBOARD STUBBED UP INTO THE ACCESSIBLE CEILING SPACE FOR ALL SURFACE AND/OR FLUSH MOUNTED PANELS. ONE (1) SPARE CONDUIT SHALL BE PROVIDED FOR EACH THREE (3) SPARE OR SPACES IN PANELBOARD, MINIMUM OF TWO (2). EACH CONDUIT SHALL BE TAGGED, CAPPED AND MARKED FOR "FUTURE USE".
8. PROVIDE BREAKER LOCK OFF DEVICE ON ANY CIRCUIT BREAKER FEEDING A TRANSFORMER AS REQUIRED, PER NEC, OR CEC WHERE ADOPTED, 450.14. WHERE AN EXISTING PANEL IS BEING ALTERED OR MODIFIED IN ANY WAY, CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID TO ADD BREAKER LOCK-OFF DEVICES TO EXISTING TRANSFORMER CIRCUIT BREAKERS BASED ON CONTRACTOR'S INVESTIGATION OF EXISTING CONDITIONS.
9. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND SUITABLE FOR 75 DEGREE AMPACITY CONDUCTORS.
10. ELECTRICAL PANELS SHALL BE DEAD FRONT SAFETY TYPE, MINIMUM 20" WIDE AND 5-3/4" DEEP UNLESS OTHERWISE NOTED.
11. ALL ELECTRICAL PANEL BUSSING (INCLUDING NEUTRAL AND GROUND) SHALL BE TIN PLATED COPPER UNLESS OTHERWISE NOTED.
12. WHERE NEW EQUIPMENT IS BEING INSTALLED WITHIN EXISTING EQUIPMENT, ALL NEW EQUIPMENT SHALL MATCH EXISTING EQUIMENT CHARACTERISTICS AND A.I.C. RATINGS.
13. ELECTRICAL PANELS SHALL BE PROVIDED WITH PROVISIONS FOR FUTURE CT RAILS FOR LOAD DISAGGREGATION IN COMPLIANCE WITH CALIFORNIA ENERGY CODE, TITLE 24 2019, SECTION 130.5.
14. ELECTRICAL CONTRACTOR SHALL PROVIDE RED CIRCUIT BREAKER AND LOCK-ON DEVICE FOR ALL CIRCUITS SERVING FIRE ALARM SYSTEM EQUIPMENT. REFER TO PANEL SCHEDULE FOR CIRCUIT DESCRIPTION AND IDENTIFICATION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

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Project No.: 2022-01629-05

REGISTERED PROFESSIONAL ENGINEER
ROY L. LOPEZ
No. 13442
Exp. 09/30/26
ELECTRICAL
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HENRY R. ORTEGA
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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ISSUE DATE DESCRIPTION
04/19/2024 100% SCHEMATIC DESIGN
07/05/2024 50% DESIGN DEVELOPMENT
08/16/2024 100% DESIGN DEVELOPMENT
04/11/2025 50% CONSTRUCTION DOCUMENTS
07/18/2025 100% CONSTRUCTION DOCUMENTS
08/06/2025 DSA V1
12/05/2025 DSA V2
03/20/2026 DSA V3

#, REVISION DATE DESCRIPTION

DRAWING TITLE

PANEL SCHEDULES

5E0.20

SCALE: AS INDICATED
PLOT DATE

Last plotted by keenan.chu Layout1 P:\2022\2022-01629-00\cad\Pkg 5 New North Building\Elect LV FA\5E0-20 - PANEL SCHEDULES.dwg 03/16/2026 14:30

If this sheet is smaller than 30" high by 42" wide then it has been reduced.