1 CONCRETE PAVING TYPE 1
COLOR: NATURAL GREY
FINISH: MEDIUM BROOM

2 CONCRETE PAVING TYPE 2
COLOR: INCRETE, SUN BUFF
FINISH: TOP CAST 05

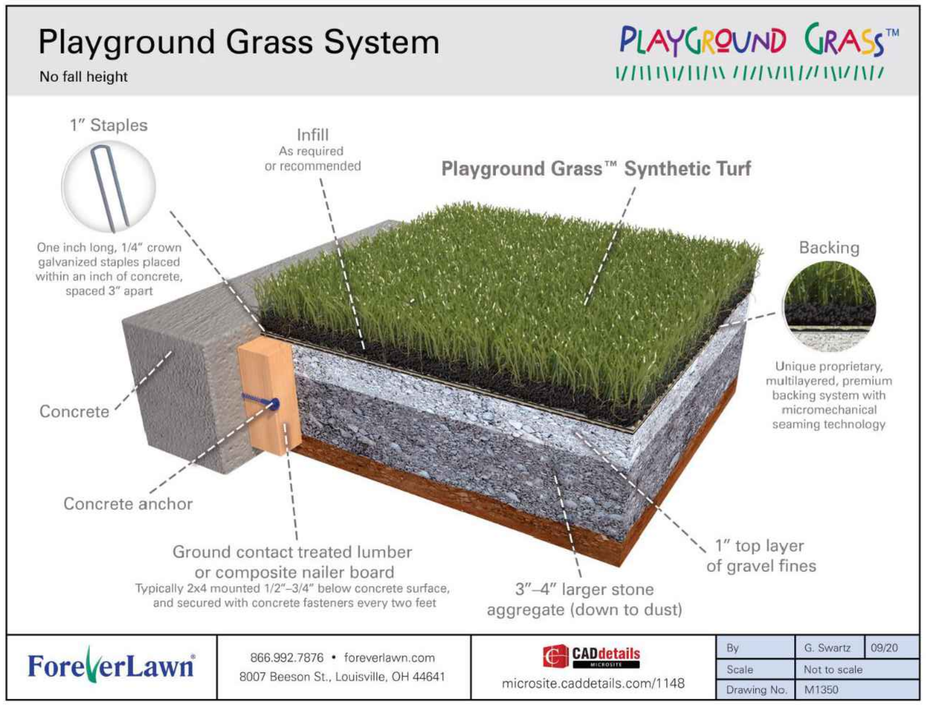
3 CONCRETE PAVING TYPE 3
COLOR: NATURAL
FINISH: TOP CAST 50

7 18" HIGH CONCRETE SEAT WALL

ZB.FI.01
75"L x 52"W x 18"H
Large Fiord Seat

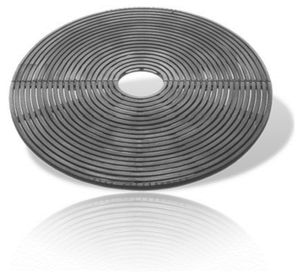
ZB.FI.02
51"L x 43"W x 18"H
Medium Fiord Seat

9 10 CONCRETE SEATS
INSTALL PER MANUFACTURER'S RECOMMENDATIONS



4 SYNTHETIC TURF

15 SOLAR REFLECTIVE ASPHALT COATING - STEM THEMED DESIGN IDEAS
- USA STATES MAP
- FOUR SQUARE COURTS / BALL WALL COURTS / TETHERBALL COURTS
- MISC. ACCENTS



16 5' ROUND TREE GRATE
URBAN ACCESSORIES RAINBOW IRON
INSTALL WITH 12" CONCRETE COLLAR
INSTALL PER MANUFACTURER'S RECOMMENDATIONS

INGLEWOOD UNIFIED SCHOOL DISTRICT 1888

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW
K-8 CAMPUS
MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE
Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

HED
601 South Figueroa Street
Suite 500
Los Angeles, California
90017 USA
(213) 542-4500
WWW.HED.DESIGN

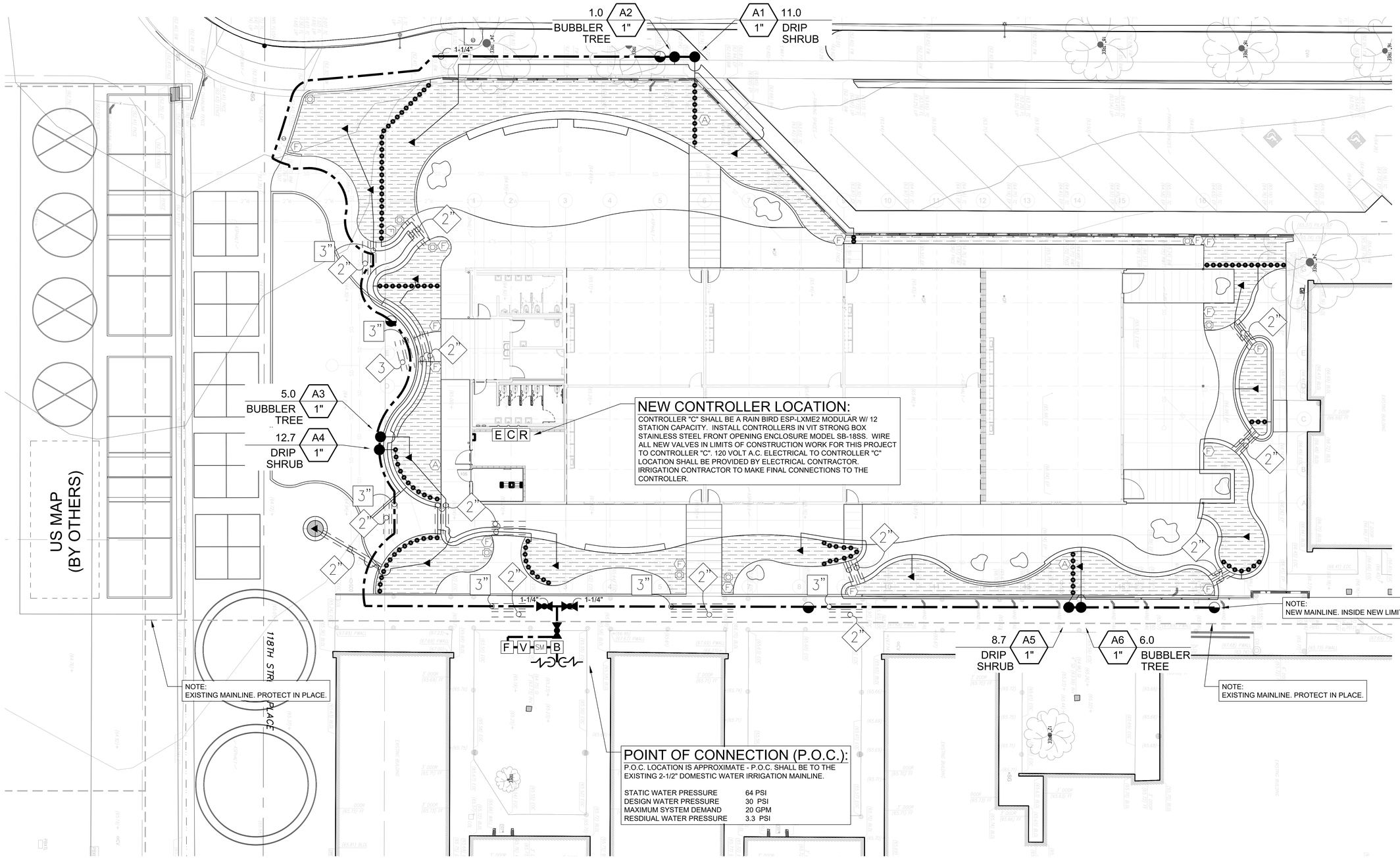
REGISTERED LANDSCAPE ARCHITECT
PAUL A. CARDOZA No. 3043
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

© 2019

2018-04434-000

SITE HARDSCAPE IMAGERY & DETAILS

L-201



NOTE

EXISTING SCHOOL SITE IS CONNECTED TO A DOMESTIC WATER SERVICE. THE LANDSCAPE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE LOCATION OF ALL EXISTING SYSTEM EQUIPMENT PRIOR TO THE START OF WORK.

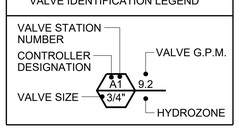
EXISTING IRRIGATION EQUIPMENT (MAINLINE, LATERAL LINES, VALVES AND VALVE WIRE CONNECTIONS, PROTECT IN PLACE IF DAMAGED CONTRACTOR SHALL REPAIR WITH LIKE KIND EQUIPMENT.

LATERAL LINE SIZING CHART		
SPRINKLER TYPE	G.P.M.	PIPE SIZE
ROTORS	1-8	1"
	9-18	1¼"
	19-28	1½"
	29-55	2"
SPRAYS & BUBBLERS & SUBSURFACE	1-5	¾"
	6-10	1"
	11-20	1¼"
	21-28	1½"
	29-55	2"

NOTE

ALL IRRIGATION MAINLINE, SLEEVING,LATERAL LINE AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY AND SHALL BE INSTALLED IN LANDSCAPE AREAS.

VALVE IDENTIFICATION LEGEND



SLEEVING IDENTIFICATION LEGEND	
SYMBOL	SLEEVING TYPE
X"	MAINLINE SLEEVING
X"	LATERAL & WIRE SLEEVING

SCH 40 PVC SLEEVING CHART		
2" SLEEVE	1-20 WIRES	1" PIPE
2½" SLEEVE	21-30 WIRES	1½" PIPE
3" SLEEVE	31-40 WIRES	1½" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2½" / 3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

NOTE

REFER TO SHEET L-302 FOR IRRIGATION LEGEND, SHEET L-303 NOTES CALCULATIONS, L-304 AND L-305 FOR DETAILS, SHEET L-306 CALCULATIONS .

NOTE

PLANS ARE DRAW DIAGRAMMATICAL, INSTALL ALL IRRIGATION EQUIPMENT IN PLANTING AREAS INSIDE OF LIMIT OF WORK, TYPICAL.

SITE CONDITION IRRIGATION NOTES

PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR AND THE DISTRICT REPRESENTATIVE SHALL PARTICIPATE IN A THOROUGH IRRIGATION SYSTEM REVIEW OF THE PROJECT SITE. ALL REMOTE CONTROL VALVES SHALL BE TURNED ON AND OBSERVED IN OPERATION BY BOTH THE CONTRACTOR AND DISTRICT REPRESENTATIVE. ANY EXISTING DEFECTS WILL BE LISTED IN DETAIL IDENTIFYING THE SPECIFIC VALVE STATION NUMBER AND DESCRIBING THE EXACT BROKEN OR NON-FUNCTIONING IRRIGATION COMPONENT NOTED DURING THE SITE REVIEW. AT THE CONCLUSION OF THE IRRIGATION REVIEW, THE CONTRACTOR SHALL GENERATE A SUMMARY OF THE ITEMS IDENTIFIED BY BOTH PARTIES LISTING ALL REMOTE CONTROL VALVES OPERATED, IDENTIFYING IF THE VALVE PERFORMED WITHOUT ANY DEFECTS OR SPECIFICALLY IDENTIFYING ANY OBSERVED DEFECTS OR NON-FUNCTIONING COMPONENTS, SUCH AS BROKEN HEADS, CLOGGED NOZZLES, NON-OPERATING VALVE SOLENOIDS, BROKEN PIPING, OR OTHER NOTED DEFECTS. THE COMPLETED SUMMARY OF ITEMS NOTED SHALL BE LISTED ON A DOCUMENT CALLED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS'. THIS DOCUMENT SHALL BE SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE DISTRICT REPRESENTATIVE FOR A CONFIRMING SIGNATURE. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS' DOCUMENT SHALL BE SENT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR INSPECTION PURPOSES AT THE CONCLUSION OF THE CONSTRUCTION WORK. IF REQUESTED BY THE DISTRICT REPRESENTATIVE, THE CONTRACTOR SHALL PROVIDE A LIST OF THE EXISTING DEFECTIVE IRRIGATION COMPONENTS NOTED WITH A DETAILED WRITTEN PROPOSAL TO REPAIR EACH ITEM IDENTIFIED ON THE LIST. A COPY OF THIS PROPOSAL WILL BE SENT TO THE LANDSCAPE ARCHITECT. THIS ADDITIONAL WORK PROPOSAL MUST BE REVIEWED AND APPROVED IN WRITING BY THE DISTRICT AND FORMALLY PRESENTED TO THE GENERAL CONTRACTOR BEFORE THE LANDSCAPE SUBCONTRACTOR CAN BEGIN ANY ADDITIONAL REPAIR WORK. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATION' DOCUMENT SHALL BE USED AS A GUIDE TO IDENTIFY ANY COLLATERAL DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM AS A RESULT OF NEW CONSTRUCTION PERFORMED ON SITE BY THE CONTRACTORS. ANY DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM NOT SPECIFICALLY IDENTIFIED ON THE 'EXISTING IRRIGATION SYSTEM OBSERVATION' DOCUMENT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THAT THE CONTRACTOR DOES NOT PARTICIPATE OR PERFORM THE EXISTING IRRIGATION SITE REVIEW, ANY EXISTING IRRIGATION EQUIPMENT OR COMPONENTS DAMAGED ON THE PROJECT SITE NOTED BY THE LANDSCAPE ARCHITECT DURING THE FINAL IRRIGATION SYSTEM REVIEW SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE TO THE SATISFACTION OF THE DISTRICT

DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS INDICATED ON THE DRAWING WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE DISTRICT ENGINEER.

SCALE: 1" = 10' - 0"

0' 5' 10' 20' 40'

INGLEWOOD UNIFIED SCHOOL DISTRICT

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW K-8 CAMPUS MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
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714-754-7311
CA 3943 . NV 1097 I SBE . DBE

Project Number: 19-014.02
DSA A/# 03-124773 FILE # 19-48

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601 South Figueroa Street
Suite 500
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90017 USA
(213) 542-4500
WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT
RICHARD A. CARMONA
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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2018-04434-000

LANDSCAPE IRRIGATION PLAN

L-301

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE NOTES

THE IRRIGATION IS SUPPLIED BY A POTABLE WATER CONNECTION.

A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.

THERE IS SPECIAL LANDSCAPE AREA (SLA) AS PART OF THESE PLANS

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.

A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.

A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE SIGNER OF THE LANDSCAPE PLANS, THE SIGNER OF THE IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION.

AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE AND A SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE.

A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PREFORMING THESE SERVICES.

AN OPERATIONS AND SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.

DRIPLINE PLAN NOTES:

1. PLANS ARE DIAGRAMMATIC. INSTALL DRIPLINE AND COMPONENTS PER MANUFACTURERS INSTRUCTIONS AND INSTALLATION DETAILS.

2. INSTALL DRIPLINE A MAXIMUM OF 18" APART WITH EMITTERS TRIANGULARLY SPACED. INSTALL 2" FROM PERIMETER OF PLANTED AREA. THERE SHOULD BE A MINIMUM OF TWO DRIPLINE LATERALS IN EACH PLANTED AREA. DRIPLINE SHALL BE INSTALLED AT A CONSISTANT DEPTH THROUGHOUT THE CIRCUIT.

3. PLACE AIR/VACUUM RELIEF VALVES AT THE HIGHEST POINTS OF EACH ZONE AND JUST BELOW CHECK VALVES ON SLOPES. INSTALL ONE AIR/VACUUM RELIEF VALVE FOR EVERY 585' OF TOTAL DRIPLINE PER ZONE.

4. PLACE FLUSH VALVES AT THE HYDRAULIC CENTER OF THE EXHAUST HEADER OR AT LOW POINT ON SLOPES.

5. INSTALL IN-LINE CHECK VALVES ON SLOPES GREATER THAN 3% AND WHERE LOW-LINE DRAINAGE COULD CAUSE WET AREAS IN THE LOWEST AREAS OF AN IRRIGATION ZONE. CHECK VALVES SHALL BE PLACED EVERY 4-5 FEET BETWEEN DRIPLINE LATERALS AND BEFORE THE FLUSH VALVE.

6. ON ALL SLOPES AND MOUNDS, PLACE THE DRIPLINE LATERALS PARALLEL TO THE SLOPE CONTOUR WHERE POSSIBLE. INCREASE THE LATERAL SPACING BY 25% ON THE LOWER ONE-THIRD OF THE SLOPE TO AVOID EXCESS DRAINAGE.

7. PVC SUPPLY AND FLUSH LINE SIZING GUIDE (ALL SUPPLY AND FLUSH LINES SHALL BE THE SAME SIZE FOR THE ENTIRE ZONE):
   - 0-8 GPM – 3/4"
   - 8.1-15 GPM – 1"
   - 15.1-25 GPM – 1 1/4"

8. FITTINGS SHALL BE OF THE SAME MANUFACTURER AS DRIPLINE.

9. THOROUGHLY FLUSH EACH INSTALLATION SEGMENT TO ENSURE NO DEBRIS CONTAMINATION OCCURS.

10. RUN THE DRIPLINE SYSTEM EVERY DAY OR EVERY OTHER DAY TO ESTABLISH PLANT MATERIAL. MAINTAIN A CONSISTENT MOISTURE BALANCE IN THE SOIL. IT IS IMPORTANT TO KEEP THE SOIL MOIST WITHOUT SATURATION.

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION	PSI	RADIUS	P/R (TRI.)	DETAIL
▼	RAIN BIRD	RWS-B-C-1402 -1402 BUBBLER, 36" RWS. INSTALL 2 PER 15 GAL AND 24" BOX TREE, INSTALL 3 PER 36" BOX TREE AND INSTALL 4 PER 48" BOX TREE. INSTALL RWS 1' (ONE FOOT) OUTSIDE OF THE TREES ROOT BALL. 0.50 GPM PER EACH BUBBLER. 1.0 GPM PER 15 GAL AND 24" TREE, 1.5 GPM PER 36" TREE AND 2.0 GPM PER 36" TREE. INSTALL EQUALLY SPACED AROUND ROOT BALL.	30	NA	NA	L305, H
	RAIN BIRD	XFS-06-12 SUBSURFACE DRIP TUBING (COPPER EXTERIOR COLOR) WITH 0.60 GPH, PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH COPPER CHIP TECHNOLOGY TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP TUBING SHALL BE INSTALLED 2" BELOW FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 16" ON CENTER. THE PERIMETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HARDSCAPE OR TURF EDGE. ALL SUBSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITHOUT EXCEEDING 16" MAXIMUM SPACING. INSTALL 9" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #GDTS140900 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE HATCH PATTERN SYMBOLS ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS, SEE ACTUAL SPACING REQUIREMENTS ABOVE AND IN DETAILS.				L305, A,B,C,D
NO SYMBOL	RAIN BIRD	CONNECTION BETWEEN XFS DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING XF DRIP LINE BARBED FITTINGS, SCH. 40 PVC THREADED FITTINGS, SCH. 80 NIPPLES AND FLEXIBLE NIPPLES. WHEN THE CONNECTION IS AT THE END RUN OF THE TUBING USE A 1/2" SCH. 40 PVC THREADED 90° ELBOW, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MIPT X FIPT FLEXIBLE NIPPLE, AND A XFF-MA-050 17mm BARB X 1/2" MIPT ADAPTER FITTING. WHEN THE CONNECTION IS IN THE MIDDLE OF THE TUBING RUN USE A 1/2" SCH. 40 PVC THREADED TEE FITTING, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MIPT X FIPT FLEXIBLE NIPPLE, AND TWO (2) XFF-MA-050 17mm BARB X 1/2" MIPT ADAPTERS. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. FLEXIBLE NIPPLES SHALL BE MODEL #GFN050600 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684.				L305, A,B,C,D L304, K,L
NO SYMBOL	RAIN BIRD	XF SERIES 17mm BARBED FITTINGS FOR ALL CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). ALL BARBED DRIP TUBING FITTINGS SHALL BE INSTALLED USING A FITINS-TOOL FOR PROPER INSERTION OF THE FITTING INTO THE TUBING. NO HEATING OF TUBING SHALL BE ALLOWED.				L304, K,L
	AS APPROVED	PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PVC LATERAL LINE PIPE PURPLE (AS SHOWN BELOW), 1 1/4" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.				L305, A,B,C,D L304, K,L
	RAIN BIRD	RAINBIRD - OPERIND, OPERATION INDICATOR KIT USE POTABLE CAP.				L305, G
F	LASCO	1/2" SCH. 40 PVC BALL VALVE WITH SLIP ENDS AND A LASCO MHT-105 3/4" MHT X 1/2" SPIGOT ADAPTER WITH A LASCO FHT-301 HOSE THREAD CAP, FOR USE AS A DRIP TUBING FLUSH VALVE. SEE PLANS FOR LOCATIONS INSTALL AT THE LOWEST POINT OF THE SYSTEM FIELD VERIFY. INSTALL INSIDE A 10" ROUND VALVE BOX.				L305, F
A	RAINBIRD	ARV050 AIR/VACUUM RELIEF VALVE INSTALLED WITH A XFD-TFA-075 BARB X BARB X 3/4" FIPT TEE FITTING AND A 3/4" X 1/2" SCH. 40 PVC THREADED REDUCER BUSHING. INSTALL AIR RELIEF ASSEMBLY AT THE HIGH POINT OF EACH PLANTER, CONTRACTOR TO FIELD VERIFY LOCATION. SEE PLANS FOR APPROXIMATE LOCATION AND QUANTITY OF ARV'S PER DRIP ZONE. USING AN AIR RELIEF LATERAL CONSTRUCTED OF XFD "BLANK" XF TUBING, CONNECT AIR RELIEF VALVE TO ALL DRIP LINE LATERALS WITHIN THE ELEVATED AREA. MULTIPLE ARV'S MAY BE REQUIRED PER DRIP TUBING ZONE, SEE PLANS. INSTALL INSIDE A 7" ROUND VALVE BOX.				L305, E
	N/A	POINT OF CONNECTION AT EXISTING 3" MAINLINE LOCATIONS PER PLANS. FOR REFERENCE ONLY. VERIFY SIZE & LOCATION IN FIELD PRIOR TO START OF WORK. SEE PLAN NOTES FOR ADDITIONAL INFORMATION.				N/A
	MATCO-NORCA	MODEL 514LF BRASS GATE VALVE - LINE SIZE OR APPROVED EQUAL. INSTALL WITHIN CARSON 910 PLASTIC ROUND GREEN VALVE BOX WITH LOCKING LID. 3/4" TO 4"				L304, F
	RAIN BIRD	PESB-R SERIES REMOTE CONTROL VALVE. XXX-PEB-PRS-D PRESSURE REGULATING, PLASTIC REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1" AND 1 1/2" SIZES), SET PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD TO THE HIGHEST OR FARTHEST HEAD ON THE CONTROL VALVE ZONE. INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.				L304, H
	RAIN BIRD	COMMERCIAL CONTROL ZONE KIT, SIZE AS SHOWN (1" = 0.3-20 GPM AND 1 1/2" = 15-62 GPM). INSTALL THE 1" XCZ-100-PRB-COM, ASSEMBLY INSIDE A JUMBO LOCKING RECTANGULAR VALVE BOX. INSTALL A THREADED UNION AFTER BASKET STRAINER. INSTALL THE 1 1/2" XCZ-1500-LCS, ASSEMBLY INSIDE A LOCKING SUPER JUMBO RECTANGULAR VALVE BOX. INSTALL A THREADED UNION AFTER PRESSURE REGULATOR.				L304, G
	RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND SCH. 80 TRIPLE SWING JOINT (SIZE PRE QCV) USE TWO STREET ELLS, ONE NIPPLE (6" MIN. LENGTH), AND ONE THREADED ELL FOR ASSEMBLY. INSTALL INSIDE A LOCKING 10" ROUND VALVE BOX.				L304, I
B	FEBCO	1-1/2" MODEL #765 PRESSURE VACUUM BREAKER SEE PLANS FOR ADDITIONAL INFORMATION. INSTALL WITHIN V.I.T. SMOOTH TOUCH BACKFLOW ENCLOSURE MODEL NUMBER SBBC-45SS				L304, B
SM	BADGER	MODEL 150 1-1/2" RECORDALL DISC LEAD FREE BRONZE IRRIGATION WATER SUB- METER TO BE INSTALLED FOR SCHOOL IRRIGATION ONLY. METER SHALL READ IN CUBIC FEET. INSTALL DIRECLY DOWNSTREAM OF BACKFLOW DEVICE. INSTALL WITHIN CARSON 1419-12 LOCKING PLASTIC GREEN VALVE BOX. STAKE LOCATION FOR APPROVAL PRIOR TO INSTALLATION.				L304, C
V	BUCKNER/SUPERIOR	MODEL 3200-150- 1 1/2" NORMALLY CLOSED, BRASS MASTER CONTROL VALVE. VALVE BOXES SHALL HAVE LOCKING, GREEN HDPE BODY AND LIDS.				L304, D
C	RAINBIRD	ESP-LXME2 PRO - 12 STATION PEDESTAL MOUNTED MODULAR CONTROLLER WITH RSD RAIN SENSOR. ELECTRICIAN TO PROVIDE 120 VAC CONNECTION TO CONTROLLER. FINAL LOCATION TO BE APPROVED BY DISTRICT PRIOR TO INSTALLATION. STRONG BOX BS-16SS WITH RGVRSS.				L304, A
R	RAINBIRD	MODEL RSD-CEX RAIN GAUGE. INSTALL ON CONTROLLER ENCLOSURE SIDE PER MANUFACTURER'S RECOMMENDATIONS				L304, A
E	N/A	120 VOLT ELECTRICAL POWER BY OTHERS.				N/A
F	BADGER/IMPELLER	250BR05/1506-1211, 1/2" - 2 1/2" FLOW SENSOR BRONZE, WIRE TO CONTROLLER WITHIN A 1" CONDUIT WITH SWEEP-ELLS NO 45 OR 90 ELBOWS, INSTALL PER MANUFACTURER'S RECOMMENDATIONS. VALVE BOXES SHALL HAVE HDPE BODY AND LOCKING LIDS.				L304, E
	AS APPROVED	PVC PIPE UP TO 1 1/2" SCH 40, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, PVC PIPE 2" - 2 1/2" CL. 315, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS MAINLINES INSTALLED 18" BELOW FINISHED GRADE.AS MAINLINES INSTALLED 18" BELOW FINISHED GRADE.- INSTALL 3" WIDE BLUE I- POTABLE WATER DETECTABLE UNDERGROUND TRENCH MARKING TAPE SHALL BE RUN WITH ALL MAINLINE RUNS AND MUST BE INSTALLED AT LEAST 6" ABOVE TOP OF PIPE.				L303, A L304, J
	AS APPROVED	PVC PIPE 3/4" - 1 1/2" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE.				L304, J
	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED (2" MINIMUM SIZE) INSTALL ALL PIPE AND WIRE UNDER PAVING, HARDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PEDESTRIAN PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. ALL MAINLINE SLEEVES ARE TO BE CONSIDERED EXISTING VERIFY LOCATION IN FIELD.				L304, I
	EXISTING	PVC PIPE 2 1/2" SCH 40, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS MAINLINES INSTALLED 18" BELOW FINISHED GRADE.				N/A
NO SYMBOL	AS APPROVED	ALL SOLVENT WELD CONNECTIONS FOR BOTH MAINLINE AND LATERAL LINE SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE LOW VOC "PURPLE PRIMER". MAINLINE SOLVENT CEMENT SHALL BE WELD-ON 711 PVC INDUSTRIAL GRADE CEMENT. LATERAL LINE SOLVENT CEMENT SHALL BE WELD-ON 711 PVC INDUSTRIAL GRADE CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.				N/A
NO SYMBOL	3M	DBR/Y-6 DIRECT BURIAL (I.L. APPROVED) WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPLICES AND CONNECTIONS.				L305, K
NO SYMBOL	CARSON	VALVE BOXES, SIZE PER EQUIPMENT LEGEND, WITH T-COVER LIDS AND CAPTIVE BOLT AND LOC-KIT. FOR ROUND AIR RELIEF VALVES USE MODEL 708, 10" ROUND SHALL BE MODEL 910, 12" STANDARD RECTANGULAR. SHALL BE MODEL 1419, 12" JUMBO RECT. SHALL BE MODEL 1220, SUPER JUMBO SHALL BE MODEL 1324, AND SUPER JUMBO XL SHALL BE MODEL 1730. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT. INSTALL TAN BOXES IN DG OR PLANTERS WITH BARK MULCH, GREEN BOXES IN GRASS AREAS AND PURPLE BOXES IN ALL RECYCLED WATER USAGE WHERE APPLICABLE.				L304, J
NO SYMBOL	MATCO/NORCA	SCH. 40 PVC SWING CHECK VALVE FITTINGS. USED ON SLOPE TO RETAIN WATER. SWING CHECK VALVES ARE DESIGNED FOR HORIZONTAL INSTALLATIONS, BUT MAY BE INSTALLED IN AN UP-FLOW ONLY VERTICAL POSITION. CHECK VALVES MUST BE INSTALLED WITH THE VALVE'S FLOW ARROW POINTING IN THE DIRECTION OF THE FLOW. DO NOT INSTALL VALVE UPSIDE DOWN. FLOW VELOCITY SHOULD NOT EXCEED 5 FT./SEC. MINIMUM OPENING PRESSURE LESS THAN 0.5 PSI. USE SPEARS, NDS OR EQUAL.				N/A
NO SYMBOL	PAIGE ELECTRIC	P7079D POLYETHYLENE INSULATED, SOLID COPPER CONDUCTOR IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED). PILOT WIRES SHALL BE RED IN COLOR, COMMON GROUND WIRE SHALL BE WHITE IN COLOR, SPARE WIRES SHALL BE YELLOW IN COLOR. WHERE MULTIPLE CONTROLLERS ARE USED ON THE PROJECT, EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR FOR PILOT WIRES. THE CONTRACTOR SHALL ROUTE TWO (2) SPARE CONTROL WIRES (YELLOW) FROM THE CONTROLLER ALONG THE MAINLINE IN ALL DIRECTIONS AWAY FROM THE CONTROLLER. LOOP SPARE WIRES UP AND INTO EACH VALVE BOX ALONG THE MAINLINE, PROVIDING A 3 FOOT MINIMUM LOOP.				N/A
NO SYMBOL	CHRIST'S	FOR DOMESTIC SYSTEMS - INSTALL 3" WIDE BLUE I- POTABLE WATER DETECTABLE UNDERGROUND TRENCH MARKING TAPE SHALL BE RUN WITH ALL MAINLINE RUNS AND MUST BE INSTALLED AT LEAST 6" ABOVE TOP OF PIPE.				L204, J
NO SYMBOL	CHRIST'S	ALL THREADED FITTINGS TO BE RAPPED WITH CORRECT AMOUNT OF TEFLON TAPE.1/2" PTFE THREAD SEAL TAPE COMPLIANT WITH FEDERAL SPECIFICATION T-27730A.				L204, J
NO SYMBOL	CARSON	PULL BOX AS NECESSARY WITH T-COVER LIDS AND CAPTIVE BOLT AND LOC-KIT. 10" ROUND. SHALL BE MODEL 910. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT. SPLICE BOX COVERS SHALL BE MARKED "SB" HEAT BRANDED ONTO THE COVER IN 1-1/4" HIGH LETTERS / NUMBERS				L204, J

THE PLANS HAVE BEEN REVIEWED AND APPEAR TO BE IN SUBSTANTIAL CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE STATE OF CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE, DATE: 1/01/2010.

"I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENT PACKAGE"

BY: _____ DATE: 1/24/2024

APPLICANT RLA# 3943 EXP. 12/31/2025

INGLEWOOD UNIFIED SCHOOL DISTRICT

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW K-8 CAMPUS MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE

Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

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REGISTERED LANDSCAPE ARCHITECT
PAUL A CARBOZA No. 3943
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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2018-04434-000

LANDSCAPE IRRIGATION LEGEND & NOTES

L-302

IRRIGATION NOTES:

1. THE CONTRACTOR SHALL REVIEW RELATED DRAWINGS AND SHALL ENSURE COORDINATION WITH ALL APPLICABLE TRADES PRIOR TO SUBMITTING BID.

2. THE IRRIGATION SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATING TO THEIR WORK.

3. OPERATE IRRIGATION CONTROLLER(S) BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM.

4. NOTIFY UNDERGROUND SERVICE ALERT AT 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

5. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS, AS DESCRIBED IN THE SPECIFICATIONS, AND IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATING TO THEIR WORK.

6. DESIGN REFLECTS COMPLIANCE WITH CALIFORNIA STATE ASSEMBLY BILL 325 (AB 325) AND THE STATE'S MODEL ORDINANCE AND/OR THE LOCAL GOVERNING AGENCY'S ADOPTED WATER EFFICIENT LANDSCAPE ORDINANCE.

7. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS NECESSARY TO CONFORM TO ACTUAL FIELD CONDITIONS. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES. PARALLEL PIPES MAY BE INSTALLED IN COMMON TRENCH. PIPES ARE NOT TO BE INSTALLED DIRECTLY ABOVE ONE ANOTHER.

8. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, WHICH MAY BE REQUIRED. CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL WORK AND PLAN WORK ACCORDINGLY, TO FURNISH ALL REQUIRED MATERIAL. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.

9. IRRIGATION SLEEVES SHOWN FOR MAJOR STREET AND DRIVEWAY CROSSINGS FOR CLARITY ONLY. ALL PIPE SLEEVES TO BE MINIMUM 2X DIAMETER OF PIPE. ALL MAINLINE SHALL BE ACCOMPANIED WITH A MINIMUM 2-INCH DIAMETER WIRE SLEEVE. SLEEVING TO EXTEND MINIMUM 12 INCHES BEYOND PAVING OR AS NECESSARY TO ACCESS. CONTRACTOR SHALL INSTALL SLEEVING BELOW ALL PAVING, HARDSCAPE, ETC. AS SHOWN AND AS DIRECTED BY ENGINEER. IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF SLEEVES AND CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.

10. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE DISTRICTS AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

11. CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR OPTIMUM PERFORMANCE IN ACCORDANCE WITH THE SPECIFICATIONS AND TO PREVENT OVERSPRAY ONTO HARDSCAPE AREAS OR STRUCTURAL ELEMENTS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT ACTUAL SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. ALL MAINLINES SHALL BE FLUSHED PRIOR TO THE INSTALLATION OF IRRIGATION HEADS. AT 30 DAYS AFTER INSTALLATION EACH SYSTEM SHALL BE FLUSHED TO ELIMINATE GLUE AND DIRT PARTICLES FORM THE LINES. COSTS INCURRED DUE TO ANY ADJUSTMENTS FOR 100% COVERAGE, INCLUDING THOSE REQUESTED BY THE DISTRICTS AUTHORIZED REPRESENTATIVE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

12. SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE 64.0 (P.S.I.) AND A MAXIMUM DEMAND 30.0 (G.P.M.) AS SHOWN AT EACH POINT OF CONNECTION ON THE DRAWINGS. CONTRACTOR SHALL VERIFY PRESSURE AND DEMAND AT EACH POINT OF CONNECTION PRIOR TO COMMENCING INSTALLATION AND SUBMIT SUCH IN WRITING TO THE DISTRICTS AUTHORIZED REPRESENTATIVE. IF ANY DISCREPANCIES EXIST, THEY SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DISTRICTS AUTHORIZED REPRESENTATIVE.

13. EQUIPMENT SHOWN IN HARDSCAPE AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED WHENEVER POSSIBLE WITHIN PLANTED AREAS A REASONABLE, REACHABLE DISTANCE FROM HARDSCAPE OR TURF AREAS.

14. UNLESS OTHERWISE NOTED ON THE DRAWINGS, CONTRACTOR SHALL INSTALL WIRE AND PIPE UNDER HARDSCAPE AREAS IN P.V.C. SCHEDULE 40 SLEEVES PLACED PRIOR TO INSTALLING HARDSCAPE IN ACCORDANCE WITH APPLICABLE CODES.

15. WHEREVER POSSIBLE, CONTROL WIRES SHALL OCCUPY THE SAME TRENCH AS PIPES.

16. EACH CONTROLLER SHALL HAVE ITS OWN INDEPENDENT GROUND WIRE.

17. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. CONTRACTOR TO LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND EVERY 100' ON CENTER ALONG WIRE RUN. TAPE WIRE BUNDLES 10' ON CENTER. NO TAPING WILL BE PERMITTED INSIDE SLEEVES.

18. WIRE CONNECTORS SHALL BE 3M-DBY/Y-6 DIRECT BURY OR APPROVED EQUAL.

19. CONTROL VALVES SHALL BE SIZED AS DESIGNATED ON THE DRAWINGS AND SHALL BE INSTALLED IN VALVE BOXES AS INDICATED IN THE DETAILS. TOP OF BOXES SHALL BE SET 1" ABOVE FINISHED GRADE IN TURF AND 2" IN NON TURF AREAS AND PERMANENTLY MARKED WITH THE LETTERS R.C.V.

20. CONTRACTOR SHALL INSTALL ANTI-DRAIN CHECK VALVES AS NECESSARY TO PREVENT LOW HEAD DRAINAGE. IN LOCATIONS WHERE LOW HEAD DRAINAGE WILL CAUSE EROSION AND EXCESS WATER, INSTALL KING BROS. CV SERIES CHECK VALVES IN LATERAL LINES FOR EVERY 10' OF ELEVATION CHANGE.

21. BUBBLERS SHALL BE LOCATED ON THE UPHILL SIDE OF TREES.

22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. COORDINATE WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC. CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO THE EXCAVATION OF TRENCHES. CONTRACTOR IS TO REPAIR ANY DAMAGE CAUSED BY THEIR WORK AT NO ADDITIONAL COST TO THE OWNER.

23. REMOTE CONTROL VALVES SHALL BE PROGRAMMED IN SEQUENCE AS SHOWN ON PLANS UNLESS DIRECTED OTHERWISE BY THE DISTRICTS AUTHORIZED REPRESENTATIVE. RUN WIRE FROM EACH RCV TO THE CONTROLLER. SPLICING WIRES TOGETHER OUTSIDE OF VALVE BOXES WILL NOT BE PERMITTED.

24. INSTALL VALVE BOXES MINIMUM 12" FROM AND PERPENDICULAR TO WALK, CURB, LAWN, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE MINIMUM 12" APART. SHORT SIDE OF VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.

25. LOCATE QUICK COUPLING VALVE 12" FROM HARDSCAPE AREA.

26. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS WHERE POSSIBLE (NOT IN LAWN AREA).

27. NOTIFY OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE OF ANY ASPECTS OF LAYOUT THAT WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF PLANT MATERIAL AND DO NOT PROCEED UNTIL HIS/HER INSTRUCTIONS ARE OBTAINED.

28. ALL EXCAVATIONS ARE TO BE FILLED WITH COMPACTED BACKFILL. REPAIR ALL SETTLED TRENCHES PROMPTLY. REPAIR ALL SETTLED TRENCHES PROMPTLY, FOR A PERIOD OF 1 YEAR AFTER COMPLETION OF WORK.

29. INSTALL ONE (1) SPARE CONTROL WIRE FOR EVERY 6 (SIX) STATIONS ON THE CONTROLLER ALONG THE ENTIRE MAIN LINE. SPARE WIRES SHALL BE THE SAME COLOR (ONE WITH A WHITE STRIPE) AND OF A DIFFERENT COLOR THAN OTHER CONTROL WIRES. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES. SPARE WIRE(S), NOT APPLICABLE FOR TWO-WIRE SYSTEMS.

30. WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER, THIRD, HALF CIRCLE OR ADJUSTABLE NOZZLE AND HEAD AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

31. NOTIFY ARCHITECT OF ANY ASPECTS OF LAYOUT THAT WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF PLANT MATERIAL AND DO NOT PROCEED UNTIL HIS/HER INSTRUCTIONS ARE OBTAINED.

32. NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

33. CONNECT FLOW SENSOR TO CONTROLLER WITH CONDUCTOR DIRECT BURIAL SHIELDED SENSOR CABLE (EV-CAB-SEN.) INSTALL EACH CABLE IN A SEPARATE 1-1/4" PVC SCHEDULE 40 CONDUIT WITH SWEEP-ELLS.

34. CONTRACTOR SHALL WARRANT THAT THE IRRIGATION SYSTEM WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF 1 YEAR AFTER FINAL ACCEPTANCE OF WORK.

35. EXISTING IRRIGATION NOT AFFECTED BY NEW CONSTRUCTION SHALL REMAIN AND BE PROTECTED IN PLACE. EXISTING IRRIGATION SHALL REMAIN OPERATIONAL DURING THE CONSTRUCTION PHASE. DAMAGED EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE-KIND EQUIPMENT.

36. ELECTRICAL CONTRACTOR TO SUPPLY 120 VAC (2.5 AMP) SERVICE TO CONTROLLER LOCATION. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER. IRRIGATION CONTROL WIRE SHALL BE #14, U.L. APPROVED FOR DIRECT BURIAL. COMMON WIRE SHALL BE #12 U.L. APPROVED AND SHALL BE WHITE IN COLOR. WIRING TO INDIVIDUAL REMOTE CONTROL VALVES SHALL BE COLOR OTHER THAN WHITE.

37. ALL EXCAVATIONS ARE TO BE FILLED WITH COMPACTED BACKFILL. REPAIR ALL SETTLED TRENCHES PROMPTLY, FOR A PERIOD OF 1 YEAR AFTER COMPLETION OF WORK. ADDITIONALLY, CONTRACTOR SHALL WARRANT THAT THE IRRIGATION SYSTEM WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF 1 YEAR AFTER FINAL ACCEPTANCE OF WORK.

38. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

39. IRRIGATION DEMAND: REFER TO IRRIGATION POINTS OF CONNECTION.

40. CONTACT CONTROLLER SALES REPRESENTATIVE FOR PRE-CONSTRUCTION MEETING AND CERTIFICATION REQUIREMENTS.

41. CONTRACTOR TO SUPPLY ALL TURNOVER DOCUMENTS TO THE CLIENT. SUBMIT ALL WARRANTEES, AS-BUILTS, TURNOVER EQUIPMENT, ETC.

42. THE CONTRACTOR SHALL PERMANENTLY HOT STAMP ALL VALVE BOX LIDS WITH 2-INCH MINIMUM LETTER HEIGHT AS FOLLOWS:

- 'X1' FOR REMOTE CONTROL VALVES ('X' = CONTROLLER AND '1' = STATION NUMBER)
- 'FS' FOR FLOW SENSOR
- 'MV' FOR MASTER CONTROL VALVE
- 'GV' FOR GATE VALVE
- 'QC' FOR QUICK COUPLING VALVE
- 'SP' FOR SPLICE BOX OR PULL BOX

43. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING FUNCTIONING IRRIGATION SYSTEM OPERATIONAL DURING CONSTRUCTION. ANY DAMAGES TO EXISTING PLANT MATERIAL AS RESULT OF EXISTING IRRIGATION NOT BEING FUNCTIONAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE.

44. CONTRACTOR TO REPAIR EXISTING IRRIGATION SYSTEMS DAMAGED DURING THE EXECUTION OF THE CONTRACT. REPLACE PLANT MATERIALS DAMAGED DURING THE CONSTRUCTION PERIOD WITH THE SAME SPECIES OF EQUAL SIZE OR GREATER. CONTRACTOR SHALL MAINTAIN EXISTING PLANTING WITHIN THE JOB SITE LIMITS DURING DEMOLITION AND CONSTRUCTION PHASES. EXISTING IRRIGATION SYSTEMS SHALL EITHER REMAIN OPERATIONAL FOR CONTRACTOR'S USE OR CONTRACTOR SHALL HAND WATER EXISTING PLANT MATERIALS AS NEEDED.

45. CONTRACTORS SHALL FIELD VERIFY THAT ALL IRRIGATION EXISTING EQUIPMENT IS ON SITE AND IS OPERATIONAL (CONTROLLER, BACKFLOW PREVENTER, VALVES (NEW AND EXISTING) FLOW SENSOR, MASTER VALVE, MAINLINE, LATERAL LINES, ETC ALL. CONTACT HCLA'S AUTHORIZED REPRESENTATIVES, IOR, AND OAR IF EQUIPMENT IS MISSING OR IN POOR CONDITION. FAILURE TO OBTAIN HACLA'S APPROVAL PRIOR TO ANY / ALL INSTALLATIONS SHALL CAUSE THE CONTRACTOR TO MAKE ARCHITECT AND/OR OAR DIRECTED REVISIONS AT NO ADDITIONAL COST TO HACLA.

IRRIGATION LOCATION NOTES:

1. BACKFLOW PREVENTER LOCATION SHOWN ON THESE DRAWINGS IS APPROXIMATE. THE CONTRACTOR SHALL STAKE OUT THE BACKFLOW PREVENTER, AND IRRIGATION APPURTENANCE LOCATION FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO INSTALLATION OF THIS EQUIPMENT. FINAL LOCATION AND EXACT POSITIONING OF BACKFLOW PREVENTER AND ALL IRRIGATION APPURTENANCE SHALL BE DETERMINED BY THE ENGINEER. MODIFICATIONS OF THE BACKFLOW PREVENTER AND ALL IRRIGATION APPURTENANCE AS REQUESTED BY THE ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE. FAILURE TO OBTAIN ENGINEER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE DIRECTED REVISION AT NO CHARGE. CONTRACTOR SHALL NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

2. CONTROLLER LOCATION SHOWN ON THESE DRAWINGS IS APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE OUT THE CONTROLLER LOCATION FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION OF THIS EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL CONNECTION FROM 120 VOLT POWER SOURCE TO THE CONTROLLER AND ALL WIRE CONNECTIONS FROM ALL VALVES AND APPURTENANCE VALVES TO TERMINAL STRIP. REFER TO ENGINEER'S DRAWING'S FOR POWER SOURCE. ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL STATE AND NATIONAL ELECTRICAL CODES AND REGULATIONS. FINAL LOCATION AND EXACT POSITIONING OF THE CONTROLLER SHALL BE DETERMINED BY THE ENGINEER. MINOR MODIFICATIONS OF CONTROLLER REQUESTED BY THE ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE. FAILURE TO OBTAIN ENGINEER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE ENGINEER DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE.

3. ELECTRIC CONTROL VALVES AND ISOLATION VALVE LOCATIONS ON THESE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL STAKE OUT EACH ELECTRICAL CONTROL VALVE AND ISOLATION VALVE LOCATION FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO INSTALLATION OF ALL VALVES. FINAL LOCATION AND EXACT POSITIONING FOR ELECTRIC CONTROL VALVES AND ISOLATION VALVES SHALL BE DETERMINED BY ENGINEER. MINOR MODIFICATIONS OF ELECTRIC CONTROL VALVES AND ISOLATION VALVE LOCATIONS AS REQUESTED BY THE ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE. FAILURE TO OBTAIN ENGINEER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE ENGINEER DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE OWNERS/OWNER'S AUTHORIZED REPRESENTATIVE. IN GENERAL UNLESS OTHERWISE DIRECTED BY ENGINEER, ALL VALVES SHALL BE INSTALLED ONE FOOT FROM EDGE OF HARDSCAPE, WALK OR CURB IN SHRUB PLANTING AREAS.

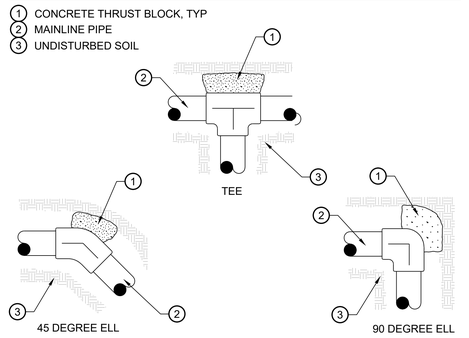
4. ELECTRICAL CONTRACTOR TO SUPPLY 120 VAC (2.5 AMP) SERVICE TO CONTROLLER LOCATION. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER. IRRIGATION CONTROL WIRE SHALL BE #14, U.L. APPROVED FOR DIRECT BURIAL. COMMON WIRE SHALL BE #12 U.L. APPROVED AND SHALL BE WHITE IN COLOR. WIRING TO INDIVIDUAL REMOTE CONTROL VALVES SHALL BE COLOR OTHER THAN WHITE.

SLEEVING NOTE

1. PIPE SLEEVES AND CONTROL WIRE CONDUITS ARE REQUIRED FOR ALL IRRIGATION PIPING AND CONTROL WIRES INSTALLED UNDER PAVING. REFER TO IRRIGATION SLEEVE SIZING CHART FOR IRRIGATION SLEEVE SIZE AND TO CONTROL WIRE SIZING CHART FOR CONTROL WIRE CONDUIT SIZE. (TYPICAL)
2. FOR DRAWING CLARITY ALL IRRIGATION SLEEVES ARE NOT SIZED, BUT SHALL BE INSTALLED AND INCLUDED AS A PART OF THE CONTRACTOR'S BID. ALSO DUE TO THE SCALE OF THE DRAWINGS AND FOR DRAWING CLARITY ALL SLEEVES AND CONDUITS ARE NOT SHOWN. THEREFORE, IN ADDITION TO THE PIPE SLEEVES AND CONTROL WIRE CONDUITS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF PIPE SLEEVES CONTROL WIRE CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE ITSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, FOOTINGS, ETC AND COORDINATE ITS WORK WITH OTHER TRADES FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER FOOTINGS, UNDER ROADWAYS, UNDER PAVING, STRUCTURES, ETC.

NOTES:
1. THRUST BLOCKS TO BE 1 CUBIC FOOT OF CONCRETE.
2. WRAP PLASTIC FITTINGS USING BLACK PIPE TAPE.
3. ALL CONCRETE TO BE PORTLAND CEMENT 420-C-2000

1 CONCRETE THRUST BLOCK, TYP
2 MAINLINE PIPE
3 UNDISTURBED SOIL



A CONCRETE THRUST BLOCKING
SCALE: NTS

INGLEWOOD UNIFIED SCHOOL DISTRICT
1888
401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW K-8 CAMPUS MODERNIZATION

11710 S Cherry Ave,
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Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE
Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

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Suite 500
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90017 USA
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WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT CARLOZA No. 5616
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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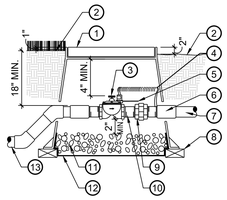
2018-04434-000

LANDSCAPE IRRIGATION NOTES

L-303

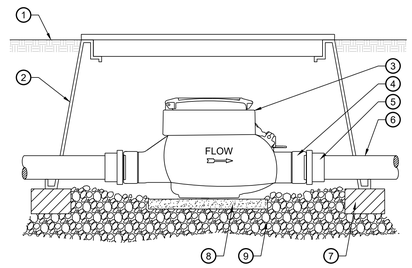
NOTES:
1. USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM UP-STREAM SIDE OF THE MASTER VALVE ASSEMBLY.
2. TOP OF BOX: 1" ABOVE FINISH SURFACE IN TURF AND 2" ABOVE IN NON-TURF AREAS.

1. PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. LABEL "MV" ONTO LID
2. FINISH GRADE
3. MASTER CONTROL VALVE
4. 24" WIRE LOOPS WITH WATERPROOF WIRE CONNECTORS
5. VALVE ID TAG
6. PVC SCH 40 FEMALE ADAPTER, 2 REQUIRED
7. PVC MAINLINE TO FLOW SENSOR, PIPE PER SPECS
8. BRICK SUPPORTS (4 TOTAL)
9. BRASS UNION
10. BRASS NIPPLE TYP.
11. 3/4" CRUSHED GRAVEL, 2 CUBIC FEET
12. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
13. PVC MAINLINE PIPE FROM BASKET STRAINER PER SPECS



D MASTER CONTROL VALVE
SCALE: NTS

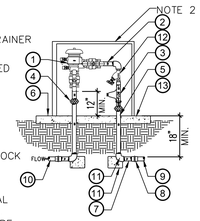
1. GRADE LEVEL
2. VALVE BOX
3. 1" WATER METER
4. UNION NUT
5. 1" SCH. 80 FIPT ADAPTOR
6. 1" PVC PIPE
7. BRICK SUPPORT
8. CONCRETE PAVER
9. 3/4" CRUSHED GRAVEL



C SUB METER
SCALE: NTS

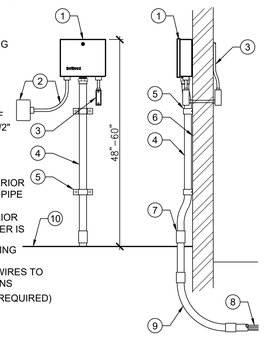
NOTES:
1. IF WYE STRAINER OR PRESSURE REGULATOR IS SPECIFIED, INSTALL ON EITHER THE HORTIZONTAL PIPING OR ON THE DOWNSTREAM LEG AS SPACE PERMITS.
2. REFER TO LEGEND FOR ENCLOSURE INFO.

1. ATMOSPHERIC VACUUM BREAKER
2. BRASS NIPPLES MINIMUM 4"
3. PRESSURE REGULATOR OR WYE STRAINER
4. BRASS UNION, 2 REQUIRED
5. BRASS RISERS. LENGTH AS REQUIRED
6. FINISH GRADE
7. SCH 80 PVC NIPPLE 6" MINIMUM
8. SCH 80 PVC FEMALE ADAPTER
9. PVC MAINLINE TO MASTER VALVE
10. PVC MAINLINE FROM METER
11. 12"x12"x12"x CONCRETE THRUST BLOCK FOR 3" DIA. PIPE OR SMALLER
12. WYE–STRAINER
13. CONCRETE PAD– 4" THICK, NATURAL COLOR WITH MEDIUM BROOM FINISH. PAD EXTENDS 4" BEYOND ENCLOSURE ON ALL SIDES.



B ATMOSPHERIC VACUUM BREAKER
SCALE: 1/2"=1'-0"

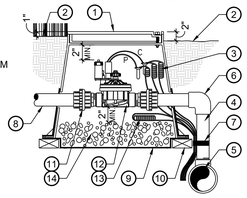
1. WALL-MOUNT CONTROLLER. SEE LEGEND. MOUNT ON WALL PER MANUFACTURER'S RECOMMENDATIONS
2. 1/2" UL APPROVED ELECTRICAL CONDUIT, RING NUT AND JUNCTION BOX FOR 120 VAC ELECTRICAL POWER INSTALLED PER APPLICABLE ELECTRICAL CODES BY OTHERS
3. TO RAIN SENSOR ON ROOF OR OPEN AREA, IN RIGID 1/2" CONDUIT
4. 2" MIN. PVC SCHEDULE 40 CONTROL WIRE CONDUIT (SIZE AS REQUIRED)
5. SECURE CONDUIT TO INTERIOR WALL WITH APPROPRIATE PIPE CLAMPS
6. FINISH SURFACE OF INTERIOR SPACE WHERE CONTROLLER IS LOCATED
7. CONDUIT THROUGH BUILDING FLOOR
8. LOW VOLTAGE CONTROL WIRES TO ELECTRIC VALVE LOCATIONS
9. PVC SEEP ELL (DEPTH AS REQUIRED)
10. FINISH SURFACE



A IRRIGATION CONTROLLER
SCALE: NTS

NOTES:
1. TOP OF BOX: 1" ABOVE FINISH SURFACE IN TURF AND 2" ABOVE IN NON-TURF AREAS.

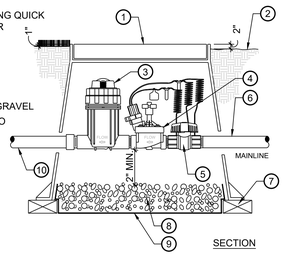
1. PLASTIC RECTANGULAR VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. INSTALL BOX AT RIGHT ANGLE TO ADJACENT HARDSCAPE EDGE. LABEL "RCV" AND CONTROL STATION NUMBER ONTO LID
2. FINISH SURFACE - 2"
3. 24" WIRE LOOPS WITH WATERPROOF WIRE CONNECTORS
4. SCH.40 PVC PIPE OR SCH.80 T.O.E. NIPPLE WITH D.I. SERVICE TEE
5. SCH.80 PVC SLIP TEE OR LEEMCO DUCTILE IRON BBT SERVICE TEE FOR USE ON BELL AND GASKET MAINLINE PIPER
6. SCH.80 PVC SLIP 90° ELL
7. TAPE WIRES TO PIPE
8. SCH.40 PVC PIPE, SIZE PER RCV, TYP.
9. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
10. BRICK SUPPORTS (4 TOTAL)
11. LASCO #896 PVC UNION SLIP X MIPT, SIZE PER RCV, TWO (2) REQUIRED FOR ASSEMBLY
12. ELECTRIC REMOTE CONTROL VALVE
13. SPARE CONTROL WIRE LOOP 48" LENGTH INTO EACH RCV BOX
14. 3/4" CRUSHED GRAVEL, 2 CUBIC FEET



H REMOTE CONTROL VALVE ASSEMBLY
SCALE: NTS

NOTES:
1. TOP OF BOX: 1" ABOVE FINISH SURFACE IN TURF AND 2" ABOVE IN NON-TURF AREAS.

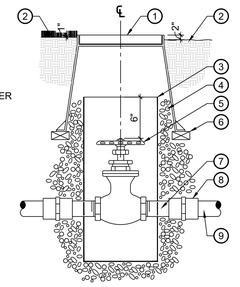
1. PLASTIC RECTANGULAR 'JUMBO' VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. BRAND "RCV" AND CONTROL STATION #ONTO LID, 1 1/2"-2" HIGH LETTERING
2. FINISH GRADE
3. PRESSURE REGULATING QUICK CHECK BASKET FILTER
4. REMOTE CONTROL VALVE
5. PVC BALL VALVE
6. PVC MAINLINE
7. BRICK SUPPORT (S)
8. 3/4" WASH CRUSHED GRAVEL
9. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
10. PVC TO DRIP SYSTEM



G DRIP RCV ASSEMBLY
SCALE: NTS

NOTES:
1. FINISH GRADE: 1" BELOW FINISH SURFACE ADJACENT TO TURF AND 2" BELOW ADJACENT TO NON-TURF AREAS.

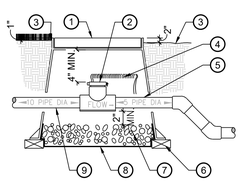
1. PLASTIC ROUND VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT NUT AND WASHER BRAND "GV" ONTO LID, 1 1/2"=2" HIGH LETTERING
2. FINISH GRADE
3. 6" PVC CL. 160 PIPE
4. 3/4" WASHED CRUSHED GRAVEL
5. GATE VALVE WITH HAND WHEEL, REFER TO LEGEND
6. BRICK SUPPORT (S)
7. SCH 80 PVC TxS NIPPLE, 6" LONG
8. SCH 40 PVC COUPLING
9. IRRIGATION MAINLINE



F GATE VALVE
SCALE: NTS

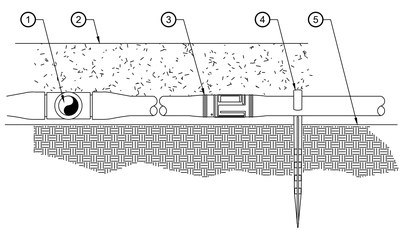
NOTES:
1. TOP OF BOX: 1" ABOVE FINISH SURFACE IN TURF AND 2" ABOVE IN NON-TURF AREAS.
2. INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO IRRIGATION CONTROLLER.
3. USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWN STREAM SIDE OF THE FLOW SENSOR.

1. PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. BRAND "FS" ONTO LID, 1 1/2"-2" HIGH LETTERING
2. FLOW SENSOR, SEE LEGEND FOR SPECIFICATION
3. FINISH GRADE
4. 24" WIRE LOOP
5. PVC MAINLINE PIPE
6. BRICK SUPPORTS
7. 3/4" WASHED CRUSHED GRAVEL, 2 CUBIC FT.
8. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF FLOW SENSOR BOX
9. PVC MAINLINE PIPE TO MASTER VALVE (NOT LESS THAN 10 PIPE DIAMETERS) PER SPECS AND PLAN



E FLOW SENSOR
SCALE: NTS

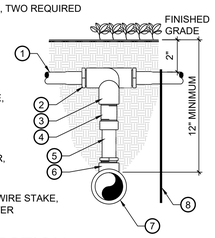
1. TEE
2. TOP OF MULCH
3. PRESSURE-COMPENSATING IN-LINE EMITTER TUBING PER LEGEND. INSTALL AT 2" DEPTH MAX.
4. TIE DOWN STAKE
5. FINISH GRADE



L DRIPLINE INSTALLATION
SCALE: NTS

NOTES:
1. DRIP TUBING CONNECTION REQUIRED FOR ALL CONNECTIONS BETWEEN DRIP TUBING AND PVC HEADERS. FOR CONNECTIONS AT END RUNS OF TUBING, USE A 90° ELL FITTING AND ONE ADAPTER FITTING FOR CONNECTION. FOR CONNECTIONS IN THE MIDDLE OF RUNS OF TUBING, USE A TEE FITTING AND TWO ADAPTER FITTINGS FOR THE CONNECTION.

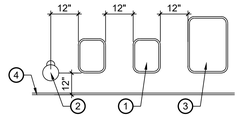
1. DRIP TUBING WITH 0.6 GPH DRIP EMITTERS INSTALLED 12" ON ON-CENTER INSIDE ENTIRE LENGTH OF DRIP TUBING
2. 1/2" MIPTx17mm BARB MALE ADAPTER FITTING, TWO REQUIRED FOR TEE FITTING, ONE FOR 90° ELL
3. SCH. 40 PVC THREADED TEE OR 90° ELL FITTING, 1/2" SIZE
4. SCH. 80 PVC THREADED NIPPLE, 1/2"x LENGTH AS REQUIRED
5. GPH IRRIGATION PRODUCTS FLEXIBLE NIPPLE, #GFN050600, 1/2"MIPTx1/2"FIPTx6"LENGTH
6. SCH. 40 PVC SLIPxSLIPx1/2"FIPT TEE FITTING, HEADER SIZE BY 1/2"
7. DRIP TUBING SUPPLY OR DISCHARGE HEADER, PVC LATERAL LINE PIPE, 1 1/4" MINIMUM SIZE, OTHERWISE SIZE PER THE DRAWINGS
8. GPH IRRIGATION PRODUCTS 9" PVC COATED WIRE STAKE, #GDTS140900, INSTALLED FIVE FEET ON CENTER



K DRIP TUBING CONNECTION
SCALE: NTS

NOTES:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 2" ABOVE FINISH GRADE OR MULCH COVER IN GROUNDCOVER/SHRUB AREA AND 1" ABOVE FINISH GRADE IN TURF AREA.
3. SET RVC AND VALVE BOX ASSEMBLY IN GROUNDCOVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUNDCOVER DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. BRAND VALVE BOX WITH CONTROLLER LETTER AND VALVE NUMBER USING 1 1/2 -2" LETTERING

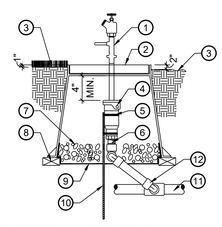
1. TYPICAL 16"x21" RECTANGULAR VALVE BOX
2. TYPICAL QUICK COUPLING VALVE
3. TYPICAL 19"x26" OR LARGER VALVE BOX
4. EDGE OF LAWN, WALK, FENCE, CURB, ETC.



J VALVE BOX INSTALLATION
SCALE: NTS

NOTES:
1. TOP OF BOX: 1" ABOVE FINISH SURFACE IN TURF AND 2" ABOVE IN NON-TURF AREAS.
2. USE TEFLON TAPE ON ALL THREADED FITTINGS.

1. QUICK COUPLER KEY WITH MALE HOSE BIB CONNECTION AS SHOWN, KEY MUST CLEAR VALVE BOX
2. ROUND PLASTIC VALVE BOX WITH BOLT DOWN COVER USE STAINLESS BLOT NUT AND WASHER LABEL "QCV" ONTO LID
3. FINISH GRADE
4. QUICK COUPLER VALVE REFER TO LEGEND FOR SPECIFICATION
5. GALVANIZED PUNCH LOC (2 REQUIRED)
6. BRASS NIPPLE (LENGTH AS REQUIRED)
7. 3/4" CRUSHED GRAVEL, 2 CUBIC FEET
8. BRICK SUPPORT
9. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
10. #4x36" REBAR STAKE
11. MAINLINE, SEE SPECIFICATIONS
12. BRASS TRIPLE SWING JOINT (SIZE PER QCV) USE TWO STREET ELLS, ONE NIPPLE (6" MIN. LENGTH), AND ONE THREADED ELL FOR ASSEMBLY



I QUICK COUPLING VALVE ASSEMBLY
SCALE: NTS

401 S Inglewood Ave,
Inglewood, CA 90301

11710 S Cherry Ave,
Inglewood, CA 90303

BENNETT-KEW K-8 CAMPUS MODERNIZATION

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE , DBE

Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

HED
601 South Figueroa Street
Suite 500
Los Angeles, California
90017 USA

(213) 542-4500

WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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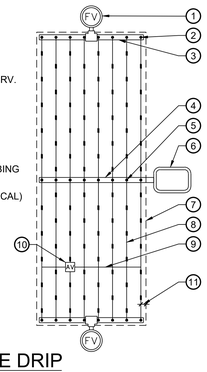
2018-04434-000

LANDSCAPE IRRIGATION DETAILS

L-304

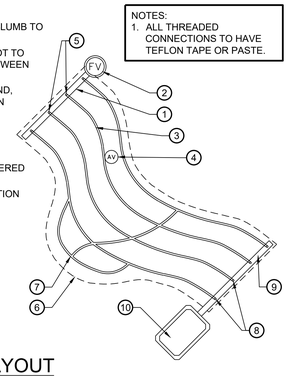
1. ZONE FLUSH VALVE PLUMBED TO PVC (TYP)
2. MANIFOLD CONNECTION (PVC TO ELL)
3. PVC EXHAUST HEADER
4. PVC SUPPLY HEADER
5. MANIFOLD CONNECTION (PVC TO TEE)
6. REMOTE CONTROL VALVE WITH FILTER AND PRV. REFER TO LEGEND AND PLANS FOR SPECIFICATIONS
7. AREA PERIMETER
8. DRIPLINE LATERAL
9. AIR/VACUUM RELIEF LATERAL BLANK TUBING CENTERED ON MOUND OR BERM
10. AIR/VACUUM RELIEF VALVE (PLUMBED TO TUBING AT EACH HIGH POINT)
11. PERIMETER LATERALS 2"-4" FROM EDGE (TYPICAL)



D CENTER FEED INLINE DRIP
SCALE: NTS

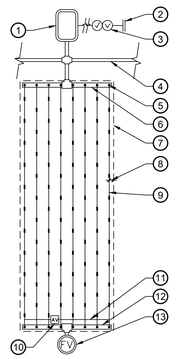
1. EXHAUST HEADER
2. FLUSH VALVE, PER LEGEND, PLUMB TO EXHAUST HEADER
3. DRIP TUBING PER LEGEND, NOT TO EXCEED 200 LINEAR FEET BETWEEN HEADERS
4. AIR RELIEF VALVE, PER LEGEND, INSTALL AT HIGHEST POINT ON ZONE
5. DRIP TUBING END CONNECTION
6. AREA PERIMETER
7. BLANK TUBING HEADER CENTERED ON MOUND OR BERM
8. DRIP TUBING START CONNECTION
9. SUPPLY HEADER
10. CONTROL ZONE KIT

NOTES:
1. ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE.



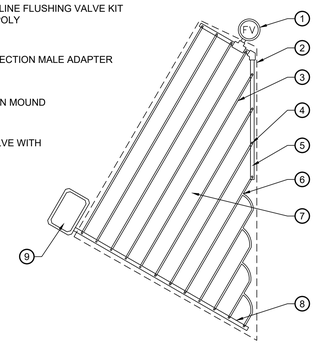
C DRIPLINE LAYOUT
SCALE: NTS

1. REMOTE CONTROL VALVE WITH FILTER AND PRESSURE REGULATOR REFER TO LEGEND AND PLANS FOR SPECIFRICATIONS
2. POINT OF CONNECTION, REFER TO PLANS
3. BACKFLOW PREVENTER, REFER TO LEGEND AND PLANS FOR SPECIFICATIONS
4. LATERAL LINE TO NEXT PLANTER BED
5. MANIFOLD-TO-ELBOW CONNECTION
6. PVC SUPPLY MANIFOLD
7. AREA PERIMETER
8. PERIMETER LATERALS 2" TO 4" FROM EDGE
9. DRIPLINE
10. AIR/VACUUM RELIEF VALVE (PLUMBED TO TUBING AT EACH HIGH POINT) REFER TO LEGEND FOR SPECIFICATIONS
11. AIR/RELIEF LATERAL BLANK TUBING CENTERED ON MOUND OR BERM
12. PVC FLUSH MANIFOLD
13. AUTOMATIC FLUSH VALVE PLUMBED TO TUBING. REFER TO LEGEND FOR SPECIFICATIONS



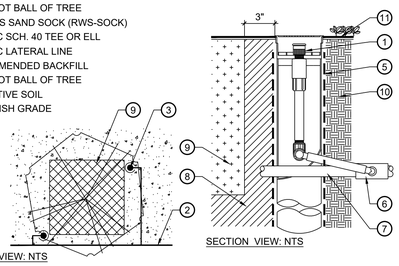
B END FEED INLINE DRIP
SCALE: NTS

1. AIR VACUUM RELIEF & LINE FLUSHING VALVE KIT PLUMBED TO PVC OR POLY
2. AREA PERIMETER
3. XF DRIPLINE TUBING
4. DRIPLINE START CONNECTION MALE ADAPTER
5. EXHAUST HEADER
6. EASY FIT TEE
7. DRIPLINE CENTERED ON MOUND OR BERM
8. SUPPLY HEADER
9. REMOTE CONTROL VALVE WITH FILTER AND PRV



A DRIPLINE LAYOUT
SCALE: NTS

1. ROOT WATERING SYSTEM ASSEMBLY: RAINBIRD RWS-B-C-1402 4" DIA. X 36" LENGTH (INCLUDES 1402 0.50GPM BUBBLER W/ RISER, CHECK VALVE, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET AND BASKET CANISTER)
2. PVC LATERAL LINE PIPE. SEE SPECIFICATIONS FOR TYPE AND DEPTH REQUIREMENTS
3. ROOT WATERING SYSTEM PER LEGEND
4. ROOT BALL OF TREE
5. RWS SAND SOCK (RWS-SOCK)
6. PVC SCH. 40 TEE OR ELL
7. PVC LATERAL LINE
8. AMMENDED BACKFILL
9. ROOT BALL OF TREE
10. NATIVE SOIL
11. FINISH GRADE

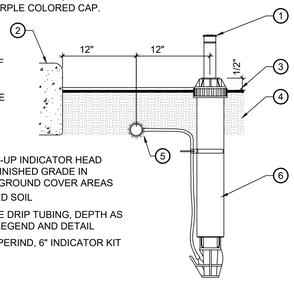


H TREE BUBBLER
SCALE: NTS

NOTES:
1. 2 BUBBLERS MIN. PER TREE

NOTES:
1. INSTALL INDICATOR HEAD 24" FROM THE EDGE OF PAVING OR THE PLANTER EDGE.
2. INSTALL PURPLE COLORED NON-POTABLE CAP NOZZLE ON POP-UP HEAD, IF NEEDED.

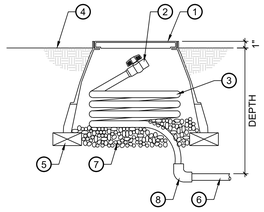
1. POP-UP INDICATOR HEAD, WITH A 6" RAIN BIRD OPERIND PURPLE COLORED CAP.
2. INSTALL POP-UP INDICATOR HEAD 24" OFF OF PAVEMENT OR THE EDGE OF PLANTED AREA SERVED BY DRIP TUBING
3. INSTALL POP-UP INDICATOR HEAD 1/2" ABOVE FINISHED GRADE IN SHRUB AND GROUND COVER AREAS
4. UNDISTURBED SOIL
5. SUBSURFACE DRIP TUBING, DEPTH AS SHOWN ON LEGEND AND DETAIL
6. RAIN BIRD OPERIND, 6" INDICATOR KIT



G DRIP FLUSH INDICATOR HEAD
SCALE: NTS

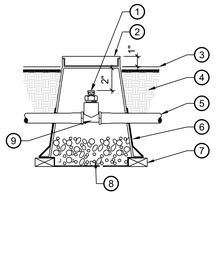
NOTES:
1. FINISH GRADE: 0" IN TURF AREAS AND 1" BELOW ADJACENT TO NON-TURF AREAS.

1. 10" ROUND PLASTIC VALVE BOX
2. 1/2" PVC BALL VALVE
3. 4' COIL OF 1/2" IPS SALCO ALGAE RESISTANT FLEXIBLE PVC
4. FINISH GRADE
5. BRICK SUPPORTS
6. LATERAL LINE
7. PEA GRAVEL 4" DEEP (NO SOIL IN BOX)
8. PVC SCHEDULE 40 ELL SxS



F FLUSH END VALVE INSTALLATION
SCALE: NTS

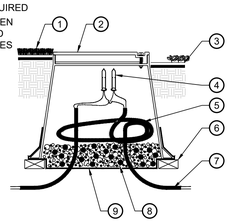
1. AIR / VACUUM RELIEF VALVE, INSTALL AT THE HIGH POINT OF THE SYSTEM
2. PLASTIC ROUND VALVE BOX, 7" SIZE, HEAT BRAND "AR" ONTO LID
3. FINISHED GRADE IN SHRUB AREAS
4. AMENDED OR NATIVE SOIL
5. SUB-SURFACE DRIP TUBING, DEPTH PER LEGEND
6. LANDSCAPE FABRIC, WRAP UP AND OVER ALL OPENINGS
7. BRICK SUPPORTS, 2 REQ.
8. CRUSHED 3/4" ROCK, MIN. 4" DEPTH INSIDE BOX
9. COMBINATION TEE FITTING, TUBING X TUBING X FIPT, SAME MANUFACTURER AS DRIP TUBING. USE 3/4"x1 1/2" PVC THREADED REDUCER BUSHING AS REQUIRED



E DRIP AIR RELIEF VALVE
SCALE: NTS

NOTES:
1. TWO-WIRE PATH IN CONDUIT ONLY IF SPECIFIED ON LEGEND, SEE LEGEND.

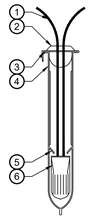
1. FINISHED GRADE IN TURF AREA
2. PLASTIC RECTANGULAR VALVE BOX WITH A TAN COLORED LID AND LOCK KIT. INSTALL BOX AT RIGHT ANGLE TO THE ADJACENT HARDSCAPE EDGE. HEAT BRAND "PB" ONTO LID
3. FINISHED GRADE IN SHRUB AREA
4. 3M DBR/Y-6 WATERPROOF WIRE CONNECTORS
5. PROVIDE A 48" LONG COIL OF THE TWO WIRE PATH (FOR CONTROL VALVES, MASTER VALVE/FLOW SENSOR OR COMMUNICATION CABLE) IN EACH PULL BOX USED. PULL BOXES FOR SLEEVE CROSSING DO NOT REQUIRE WATERPROOF CONNECTORS UNLESS SPLICES ARE REQUIRE
6. BRICK SUPPORTS, FOUR (4) REQUIRED
7. TWO-WIRE PATH (CABLE) BETWEEN THE CONTROLLER AND ALL FIELD EQUIPMENT AND CONTROL VALVES
8. 3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
9. LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX



L PULL BOX
SCALE: NTS

NOTES:
1. KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PRE-FILLED WITH GEL.
2. DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2-3 #14 OR TWO (2) #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

1. LOW VOLTAGE WIRES, THREE (3) MAXIMUM
2. WIRES PASS THROUGH GROOVES IN TUBE LID TO ALLOW LID TO CLOSE
3. CLOSE TUBE LID AFTER WIRE IS INSERTED INTO TUBE
4. POLY TUBE PRE-FILLED WITH WATERPROOF GEL
5. LOCK TABS PREVENTS WIRE REMOVAL ONCE CONNECTOR IS INSERTED
6. SCOTCHLOK ELECTRICAL SPRING CONNECTOR WIRES SHALL BE PRE-STRIPPED OF 1/2" OF THE INSULATION PRIOR TO INSERTION INTO THE CONNECTOR. TWIST CONNECTOR ONTO WIRES TO SEAT FIRMLY. SCOTCHLOK CONNECTOR AND WIRES INSERTED INTO TUBE UNTIL THE CONNECTOR PASSES LOCK TABS

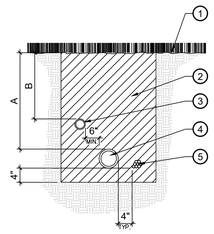


K TYP. WIRE CONNECTION
SCALE: NTS

NOTES:
1. PIGTAIL AND LOOP CONTROL WIRE AT ALL 90° CHANGES IN DIRECTION.
2. PROVIDE A MINIMUM 10 FEET SEPARATION BETWEEN POTABLE AND RECLAIMED MAINLINE PIPING.
3. 24" MINIMUM COVER ON 3" MAINLINE AND LARGER.

1. FINISH GRADE
2. CLEAN BACKFILL - 90% COMPACTION REQUIRED
3. NON-PRESSURE LATERAL LINE. SNAKE PIPE IN TRENCH
4. PRESSURE SUPPLY LINE SNAKE PIPE IN TRENCH
5. CONTROL WIRES - BUNDLE AND TAPE AT 10' O.C. AND INSTALL ADJACENT TO PRESSURE SUPPLY LINE

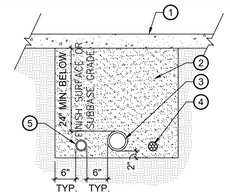
DIMENSION	A	B
1/2" TO 2-1/2" IN SIZE	18"	12"
3" TO 6" IN SIZE	24"	



J TYPICAL TRENCHING
SCALE: NTS

NOTES:
1. PVC SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED.
2. DETAIL ALSO FOR PIPE INSTALLED IN ROCK SOIL.
3. ALL SLEEVES TO BE SCHEDULE 40 PVC.
4. EXTEND ALL SLEEVES 12" BEYOND EDGE OF HARDSCAPING AT BOTH ENDS.
5. 24" MINIMUM COVER ON MAINLINE 3" AND LARGER.

1. FINISH SURFACE
2. CLEAN SAND BACKFILL MINIMUM 90% COMPACTION
3. PRESSURE MAINLINE IN SCHEDULE 40 SLEEVE - SIZE SLEEVE TWICE DIAMETER OF PRESSURE SUPPLY LINE
4. CONTROL WIRES IN SLEEVE - SIZE PER PLAN. INSTALL ADJACENT TO PRESSURE SUPPLY LINE
5. NON-PRESSURE LATERAL LINE IN SLEEVE TWICE DIAMETER OF LATERAL LINE



I TYPICAL SLEEVING
SCALE: NTS

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW K-8 CAMPUS MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE
Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

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Suite 500
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90017 USA
(213) 542-4500
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REGISTERED LANDSCAPE ARCHITECT
CARLOZA No. 5616
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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2018-04434-000

LANDSCAPE IRRIGATION DETAILS

L-305

WATER EFFICIENT LANDSCAPE WORKSHEET

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Click on the blue cell on right to Pick City Name	**Los Angeles**	
ET_o of City from Appendix A	**50.10**	ET_o (inches/year)
	0	Overhead Landscape Area (ft^2)
	4701	Drip Landscape Area (ft^2)
	0	SLA (ft^2)
Total Landscape Area	**4,701**	
Results:		
$(ET_o) \times (0.62) \times [(0.45 \times LA) + (1.0 - 0.45) \times SLA)]$	**65,706**	Gallons
	8,784	Cubic Feet
	88	HCF
	0	Acre-feet
	0	Millions of Gallons
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET_o of City from Appendix A	**50**	ET_o (inches/year)
Total Landscape Area	**4,701**	LA (ft^2)
Special Landscape Area	**0**	SLA (ft^2)
		Total annual precipitiation (inches/year)
Enter Effective Precipitation	**0.00**	Eppt (in/yr)(25% of total annual precipitation)
Results:		
$MAWA = [(ET_o - Eppt) \times (0.62)] \times [(0.45 \times LA) + ((1.0 - 0.45) \times SLA)]$	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons

HYDROZONE TABLE

HYDROZONE TABLE - BENNETT-KEW, INGLEWOOD

VALVE NO.	PLANT TYPE	HYDROZONE* (PLANT WATER USE)	PLANT FACTOR (PF)	IRRIGATION METHOD**	IRRIGATION EFFICIENCY (IE)	HYDROZONE AREA (HA) (Sq.Ft)	PF x HA	% LANDSCAPE AREA
1	SHRUB	LW	0.30	D	0.81	1,463	439	31.1%
2	TREE	LW	0.30	B	0.81	32	10	0.7%
3	TURF	LW	0.30	B	0.81	112	34	2.4%
4	SHRUB	LW	0.30	D	0.81	1,644	494	35.0%
5	SHRUB	LW	0.30	D	0.81	1,354	407	28.8%
6	TREE	LW	0.30	B	0.81	96	29	2.0%
TOTALS					**0.81**	**4,701**	**1,413**	**100.0%**
					Average IE			

PRESSURE LOSS CALCULATIONS

WATER PRESSURE CALCULATIONS

POC NUMBER	A	POC SIZE	2-1/2"
HYDRAULIC GRADE LINE	-	POC ELEVATION	-
ELEVATION DIFFERENCE	-	MINIMUM STATIC WATER PRESSURE	64
REMOTE CONTROL VALVE #	A4	REMOTE CONTROL VALVE SIZE	1"
R.C.V. DEMAND (GPM)	12.7	TOTAL DEMAND (GPM)	30
HIGHEST HEAD ELEVATION	-	STATIC PRESSURE AT R.C.V.	-

SIZE	DESCRIPTION		PSI LOSS	
2-1/2"	SERVICE LINE	1	0.5	PSI
X"	WATER METER	2	1.9	PSI
2"	BACKFLOW PREVENTER	3	5.0	PSI
2"	BALL VALVES	4	0.5	PSI
2"	MASTER CONTROL VALVE	5	3.0	PSI
2"	435 FEET OF MAINLINE: TYPE Sch 40	6	3.0	PSI
-	FEET OF MAINLINE: TYPE	7	-	PSI
X"	REMOTE CONTROL VALVE	8	2.9	PSI
10%	LATERAL LINE LOSS	9	3.2	PSI
10%	FITTING LOSS	10	3.5	PSI
0	FT. OF ELEVATION CHANGE (P.O.C. TO HIGHEST HEAD)	11	0.0	PSI
TOTAL SYSTEM PRESSURE LOSS (SUM OF #1 THRU #11)		12	23.5	PSI
PRESSURE REQUIRED AT HEAD		13	35.0	PSI
TOTAL PRESSURE REQUIRED (SUM OF #12 AND # 13)		14	58.5	PSI
STATIC WATER PRESSURE (FROM ABOVE)		15	64.0	PSI
RESIDUAL PRESSURE (SUBTRACT # 14 FROM # 15)		16	5.5	PSI
SET PRV OR MCV AT (# 14 PLUS 10 PSI)		17	0.0	PSI
PRESSURE BOOST, IF REQUIRED (#14-#15 + 20 PSI)		18	0.0	PSI

WATER EFFICIENT LANDSCAPE WORKSHEET

Estimated Total Water Use

Equation: ETWU = $ET_o \times 0.62 \times [(PF \times HA)/IE) + SLA]$; Considering precipitation ETWA = $(ETo\text{-}Eppt) \times 0.62 \times [((PF \times HA)/IE) + SLA]$

Enter values in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81.

Plant Water Use Type	Plant Factor
Very Low	0 - 0.1
Low	0.2 - 0.3
Medium	0.4 - 0.6
High	0.7 - 1.0
SLA	1.0

Hydrozone	Select System From the Dropdown List click on cell below	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft^2) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft^2))/IE
Zone 1	Drip	Low	0.30	1,463	0.81	542
Zone 2	Drip	Low	0.30	32	0.81	12
Zone 3	Drip	Low	0.30	112	0.81	41
Zone 4	Drip	Low	0.30	1,644	0.81	609
Zone 5	Drip	Low	0.30	1,354	0.81	501
Zone 6	Drip	Low	0.30	96	0.81	36
Zone 7						
Zone 8						
Zone 9						
Zone 10						
Zone 11						
Zone 12						
Zone 13						
Zone 14						
Zone 15						
Zone 16						
Zone 17						
Zone 18						
Zone 19						
Zone 20						
Zone 21						
Zone 22						
Zone 23						
Zone 24						
Zone 25						
Zone 26						
Zone 27						
Zone 28						
Zone 29						
Zone 30						
Zone 31						
Zone 32						
Zone 33						
Zone 34						
Zone 35						
						1,741
		SLA		0		0
			Sum	4,701		

Results

MAWA = 65,706

Total Landscape Area including Special Landscape

ETWU = 54,079 Gallons
7,229 Cubic Feet
72.29 HCF
0.17 Acre-feet
0.05 Millions of Gallons

ETWU complies with MAWA

CONTROLLER SCHEDULE

IRRIGATION CONTROLLER SCHEDULE- ESTABLISHMENT PERIOD

DATE: 9/30/2024
PROJECT: Bennett-Kew P-8 Campus Modernization
CLIENT: IUSD
PREPARED BY NUVIS

CITY: Inglewood
WUCOLS ZONE: Los Angeles

REVISION HISTORY:
REVISED BY:

CONTROLLER 'A'

E.T. DATA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MONTHLY	2.70	2.70	3.30	4.60	5.30	5.60	6.00	5.90	3.40	2.60	2.00	
WEEKLY	0.63	0.63	0.77	1.07	1.23	1.30	1.30	1.40	1.37	0.79	0.60	0.47
DAILY	0.09	0.10	0.11	0.15	0.17	0.19	0.18	0.19	0.20	0.11	0.09	0.06

SCHEDULING DATA

%of ET	Efficiency Rate	Days Per Week
1.25	0.81	6

IRRIGATION SCHEDULE- MINUTES PER DAY

STATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SHRUBS	10	10	12	17	19	20	20	22	21	12	9	7
TREES	8	8	10	13	15	16	16	17	17	10	8	6

STATION	PRECIP. RATE	CROP COEF.
1,4,5	0.80	0.3
2,3,6	1.00	0.3

IRRIGATION CONTROLLER SCHEDULE- ESTABLISHED

DATE: 9/30/2024
PROJECT: Bennett-Kew k-8 campus modernization
CLIENT: IUSD
PREPARED BY NUVIS

CITY: Inglewood
WUCOLS ZONE: Los Angeles

REVISION HISTORY:
REVISED BY:

CONTROLLER 'A'

E.T. DATA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MONTHLY	2.70	2.70	3.30	4.60	5.30	5.60	6.00	5.90	3.40	2.60	2.00	
WEEKLY	0.63	0.63	0.77	1.07	1.23	1.30	1.30	1.40	1.37	0.79	0.60	0.47
DAILY	0.09	0.10	0.11	0.15	0.17	0.19	0.18	0.19	0.20	0.11	0.09	0.06

SCHEDULING DATA

%of ET	Efficiency Rate	Days Per Week
1	0.81	3

IRRIGATION SCHEDULE- MINUTES PER DAY

STATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SHRUBS	16	16	19	27	31	33	33	35	34	20	15	12
TREES	13	13	15	21	25	26	26	28	27	16	12	9

STATION	PRECIP. RATE	CROP COEF.
1,4,5	0.80	0.3
2,3,6	1.00	0.3

THE IRRIGATION SCHEDULE IS A GUIDELINE ONLY, THIS WILL NOT REPLACE THE REQUIREMENT FOR ONGOING IRRIGATION ADJUSTMENTS AND MAINTENANCE MANAGEMENT BY THE CONTRACTOR. SITE AND CLIMATIC CONDITIONS WILL REQUIRE FURTHER ADJUSTMENTS NOT SHOWN IN THIS SCHEDULE.

INGLEWOOD UNIFIED SCHOOL DISTRICT

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW
K-8 CAMPUS
MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

NUVIS
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE
Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

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601 South Figueroa Street
Suite 500
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90017 USA
(213) 542-4500
WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT — R. CARDOZA No. 5943 — Signature — DECEMBER 31, 2025 Expiration Date — SEPT. 30, 2024 Date — STATE OF CALIFORNIA

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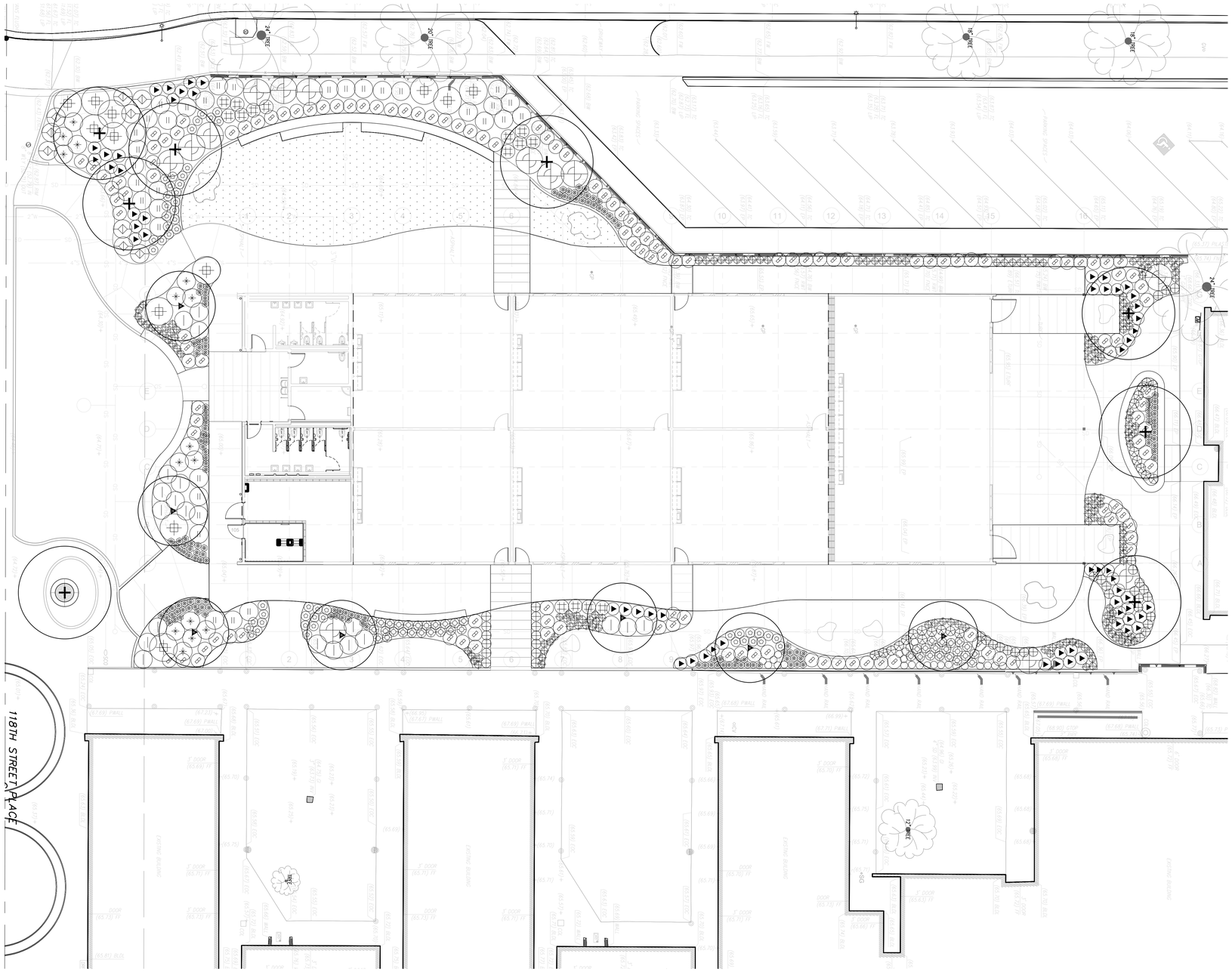
2018-04434-000

LANDSCAPE IRRIGATION CALCULATIONS

L-306



TREES

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE
+	T-1	ARBUTUS UNEDO 'MARINA'	MARINA STRAWBERRY TREE	36" BOX
▲	T-2	GEIJERA PARVIFLORA	AUSTRALIAN WILLOW	36" BOX

SHRUBS

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE
	S1	ARTEMISA CALIF. 'MONTARA'	MONTARA CAL. SAGEBRUSH	1 GAL
	S2	BACCHARIS PIL. 'TWIN PEAKS'	DWARF COYOTE BRUSH	1 GAL.
	S3	CEANOTHUS G. H. 'YANKEE POINT'	YANKEE POINT CEANOTHUS	5 GAL.
	S4	DIANELLA 'LITTLE REV'	DWARF FLAX LILY	1 GAL
	S5	HESPERALOE PAR. 'BRAKELIGHTS'	RED YUCCA	5 GAL
	S6	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	5 GAL
	S7	MUHLENGERGIA DUBIA	PINE MUHLY	5 GAL.
	S8	PENSTEMON HET. 'MARGARITA BOP'	FOOTHILL PENSTMON	1 GAL.
	S9	ROSMARINUS PROSTRATUS	PROSTRATE ROSEMARY	5 GAL
	S10	SENECIO SERPENS	BLUE CHALK STICKS	1 GAL
	S11	WESTRIGIA FRUTICOSA 'MUNDI'	DWARF COAST ROSEMARY	5 GAL

GRASSES & ACCENTS

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE
	B1	ACHILLEA MILL. CALIFORNICA	YARROW	1 GAL
	B2	BOUTELOUA G. 'BLONDE AMBITION'	BLONDE AMBITION GRAMA	1 GAL
	B3	CAREX PRAEGRACILIS	FIELD SEDGE	1 GAL
	B4	CHONDROPETALUM TEC. 'EL CAMPO'	SMALL CAPE REED	1 GAL.
	B5	JUNCUS PATENS 'ELK BLUE'	ELK BLUE CALIF. GREY RUSH	1 GAL

NOTES:

3" LAYER OF SHREDDED FOREST FLOOR BARK MULCH, OR AN APPROVED EQUAL, TO BE EVENLY DISTRIBUTED THROUGHOUT ALL SHRUB AND GROUNDCOVER AREAS.

*WUCOLS - WATER USE CLASSIFICATION OF LANDSCAPE SPECIES, UC DAVIS FOR THE CITY OF INGLEWOOD.

PLANTING PLAN NOTES

1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL PLANT MATERIAL AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
2. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, STRUCTURAL IMPROVEMENTS AND HARDSCAPE SHALL BE INSTALLED PRIOR TO PLANTING OPERATIONS.
3. ALL WORK ON THE IRRIGATION SYSTEM, INCLUDING HYDROSTATIC, COVERAGE, AND OPERATIONAL TESTS AND THE BACKFILLING AND COMPACTION OF TRENCHES SHALL BE PERFORMED PRIOR TO PLANTING OPERATIONS.
4. PLANT LIST ON THE DRAWINGS SHALL BE USED AS A GUIDE ONLY. CONTRACTOR SHALL TAKEOFF AND VERIFY SIZES AND QUANTITIES BY PLAN CHECK.
5. SAMPLES OF FERTILIZERS, ORGANIC AMENDMENT, SOIL CONDITIONERS, AND SEED SHALL BE SUBMITTED PRIOR TO INCORPORATION. CONTRACTOR SHALL FURNISH TO THE DISTRICT'S AUTHORIZED REPRESENTATIVE A CERTIFICATE OF COMPLIANCE FOR SUCH FURNISHED MATERIALS.
6. LOCATIONS OF PLANT MATERIAL SHALL BE REVIEWED ON SITE BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
7. AMENDMENTS, AS INDICATED IN THE SOILS REPORT SHOWN ON THE DRAWINGS, ARE BASED ON AGRICULTURAL SUITABILITY SOILS TESTS PERFORMED PRIOR TO GRADING AND WERE PRESENTED FOR BIDDING PURPOSES. IF NO SOILS REPORT EXISTS, CONTRACTOR SHALL PROPOSE ON AMENDMENTS AS STATED IN THE SPECIFICATIONS. CLIENT OR CONTRACTOR SHALL OBTAIN AGRICULTURAL SOILS TESTING AND RECOMMENDATIONS AFTER GRADING OPERATIONS AND PRIOR TO PLANT INSTALLATION.
8. TREES SHALL BE PLANTED NO CLOSER THAN TEN FEET (10') FROM UTILITIES.
9. TREES PLANTED WITHIN FIVE FEET (5') OF HARDSCAPE OR STRUCTURES SHALL BE INSTALLED WITH A ROOT BARRIER AS APPROVED BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE.
10. IF, DURING PLANTING OPERATIONS THERE SEEMS TO BE MINIMAL OR NO PERCOLATION IN PLANTING PITS, CONTRACTOR SHALL CEASE PLANTING OPERATIONS AND IMMEDIATELY NOTIFY THE DISTRICT'S AUTHORIZED REPRESENTATIVE TO DISCUSS ALTERNATIVE TO MAINTAINING POSITIVE ROOTBALL DRAINAGE MEASURES.
11. SHRUB AREAS SHALL RECEIVE A 3" LAYER OF FOREST FLOOR COMPOSTED WOOD MULCH ¾"- 1 ½" SIZE. OR EQUAL. MULCH SHALL HAVE A MINIMUM 80% RECYCLED CONTENT.

NOTES

REFER TO SHEET L-402 FOR COMPLETE PLANTING LEGEND & DETAILS

REFER TO SHEET L-403 FOR PLANTING IMAGERY

SCALE: 1" = 10' - 0"

0' 5' 10' 20' 40'

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REGISTERED LANDSCAPE ARCHITECT
RAMON A. CARDOZA No. 3943
DECEMBER 31, 2025 Expiration Date
SEPT. 30, 2024 Date
STATE OF CALIFORNIA

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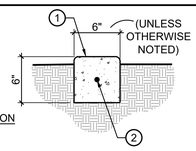
2018-04434-000

LANDSCAPE PLANTING PLAN

L-401

NOTES:
1. SAWCUT OR SCORE JOINTS @ 10' O.C. MAX.
2. EXPANSION JOINTS SHALL BE ADJACENT TO LARGE SLABS, STRUCTURES AND AT INTERVALS NOT TO EXCEED 20' O.C.
3. CONCRETE COLOR & FINISH TEXTURE SHALL BE AS NOTED ON THE ARCHITECTURAL PLANS.
4. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES.
5. FINISH GRADE: 1" BELOW FINISH SURFACE ADJACENT FOR TURF AND 2" BELOW FOR GROUNDCOVER/SHRUB AREAS.
6. PROJECT GEOTECHNICAL REPORT OR RECOMMENDATIONS BY A STRUCTURAL ENGINEER SHALL TAKE PRECEDENCE FOR ALL SOIL CONDITIONS, MATERIALS, REINFORCEMENT, DIMENSIONS, SUBBASE, AND SPACING OF JOINTS.

1. CONCRETE MOW STRIP SHALL RECEIVE 1/2" RADIUS ON EXPOSED EDGES.
2. #4 REBAR, CONTINUOUS, 2" CLEAR, MINIMUM.
3. ASPHALT SATURATED FIBER OR 'I' EXPANSION JOINT SET 1/2" BELOW PAVING SURFACE
4. 1/4" WIDE x 1" DEEP TOOLED OR SAW CUT CONTROL JOINT



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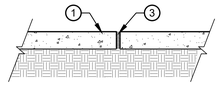
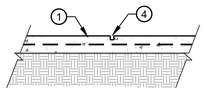


EXPANSION JOINT

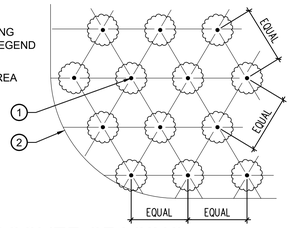


CONTROL JOINT / SAWCUT

H 6" CONCRETE HEADER
SCALE: 1-1/2"=1'-0"

NOTES:
1. ALL PLANTS SHALL BE PLANTED AT EQUAL SPACING (TRIANGULAR UNLESS OTHERWISE INDICATED ON PLANS.
2. AS APPROPRIATE, CENTERLINE OF PLANTS SHALL BE 1/2 OF EQUAL SPACING MINIMUM FROM EDGE OF PLANTING AREA.
3. INFILL PLANTS AS REQUIRED TO MAINTAIN SPACING AT IRREGULAR EDGES.
4. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES & SPECIFICATIONS.

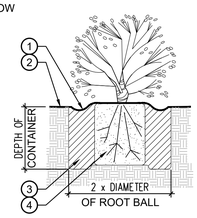
1. TYPICAL PLANT SPACING VARIES - SEE PLANT LEGEND AND/OR PLANS
2. EDGE OF PLANTING AREA



G GROUNDCOVER SPACING
SCALE: NTS

NOTES:
1. CROWN OF ROOTBALL TO BE 1/2" - 1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.

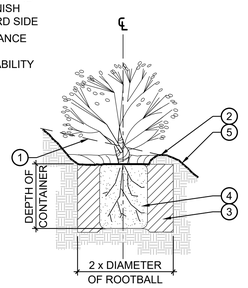
1. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE
2. FINISH GRADE
3. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
4. ROOTBALL



F SHRUB PLANTING
SCALE: NTS

NOTES:
1. CROWN OF ROOTBALL TO BE 1/2"-1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.

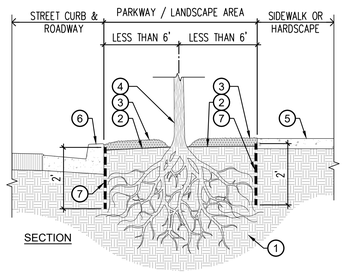
1. EDGE OF SLOPE BEYOND
2. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE ON DOWNWARD SIDE
3. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
4. ROOTBALL
5. FINISH GRADE



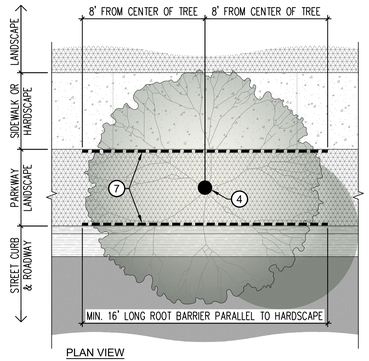
E SHRUB PLANTING - SLOPE
SCALE: NTS

NOTES:
1. Trees planted within 6' of hardscape improvements, including but not limited to streets, public sidewalks, or trails (regardless of surface material), shall be separated from those surfaces by a linear root barrier to promote deep rooting & prevent physical disruption or damage.
2. Root barriers shall be installed adjacent & parallel to hardscape elements, not encircling root balls.
3. Root barriers are to be 24" deep & min. 16' long centered on tree trunk with increasing length depending on tree species.
4. Root barrier panels are to be CPU-Series manufactured by Century Products, 1144 North Grove St., Anaheim, CA 92806, (714)632-7083, or approved equivalent.
5. Install Root Barrier per manufacturer's recommendations. Always install the panels 1"-2" above grade to avoid root penetration above the barrier.

1. NATIVE SOIL OR CERTIFIED COMPACTED SUBGRADE
2. FINISH GRADE OF LANDSCAPE AREA
3. 3" LAYER OF MULCH PER PLAN
4. TREE TRUNK
5. ADJACENT SIDEWALK / HARDSCAPE WHERE OCCURS PER PLAN
6. ADJACENT STREET CURB WHERE OCCURS PER PLAN
7. 24" DEEP ROOT BARRIER - SEE NOTES ON LEFT



SECTION

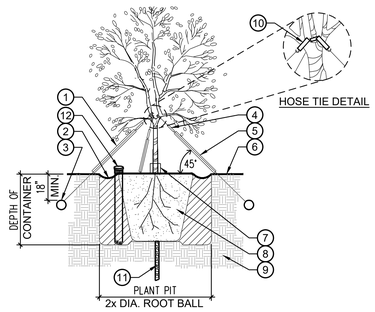


PLAN VIEW

C LINEAR ROOT BARRIER
NOT TO SCALE

NOTES:
1. CROWN OF ROOTBALL TO BE 1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.

1. 1/2" DIAMETER WHITE PVC, OR APPROVED EQUAL
2. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOT BALL BELOW FINISH GRADE. TREES PLANTED IN TURF AREAS SHALL NOT HAVE BASINS
3. APPROPRIATE METAL OR PVC ANCHOR
4. TURNBUCKLE, TYPICAL
5. GUY WIRES TO BE OF #9 GAUGE DURABLE ZINC COATED IRON, OR APPROVED EQUAL
6. FINISH GRADE
7. TREES INSTALLED WITHIN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GARD', OR APPROVED EQUAL, AT BASE OF TRUNK
8. ROOTBALL
9. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
10. 2-PLY REINFORCED RUBBER OR PLASTIC GARDEN HOSE 1/2"-3/4" DIAMETER, OR APPROVED EQUAL, TO COVER WIRE AND PROTECT AGAINST GIRDLING OF TREE
11. 12" AUGER THROUGH CALICHE OR HARD PAN
12. 4" OBSERVATION TUBE WITH ¾" GRAVEL AT BASE

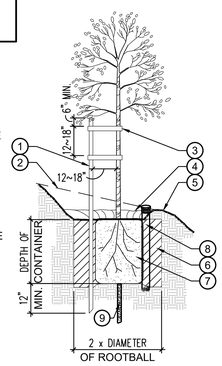


HOSE TIE DETAIL

(30" BOX OR LARGER)
B MULTI-TRUNK & SPECIMEN TREE GUYING
SCALE: NTS

NOTES:
1. USE NURSERY STAKE FOR 1 GALLON.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.

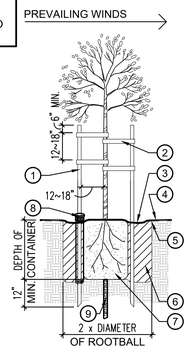
1. REMOVE NURSERY STAKE AND REPLACE WITH ONE (1) 2" DIA, MINIMUM, x 10' LODGE POLE STAKE, OR 'TOMAHAWK TREE STABILIZER SYSTEM (800) 845-3343, OR APPROVED EQUAL (FOR 5 GALLON, 15 GALLON & 24" BOX SIZES). PLACE ON WINDWARD SIDE OF TREE
2. EDGE OF SLOPE BEYOND
3. CINCH TIE, ARBOR TIE, OR APPROVED EQUAL
4. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND BALL BELOW FINISH GRADE ON DOWNWARD SIDE
5. FINISH GRADE
6. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
7. ROOTBALL
8. 4" OBSERVATION TUBE WITH ¾" GRAVEL AT BASE
9. 12" AUGER THROUGH CALICHE OR HARD PAN



D TREE PLANTING - SLOPE
SCALE: NTS

NOTES:
1. CROWN OF ROOTBALL TO BE 1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.

1. 2"Ø MINIMUM X 10' LODGE POLE STAKE BOTH SIDES, OR 'TOMAHAWK TREE STABILIZER SYSTEM' (800) 845-3343, OR APPROVED EQUAL
2. CINCH TIE, ARBOR TIE, OR APPROVED EQUAL
3. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND BALL BELOW FINISH GRADE. TREES PLANTED IN TURF AREAS SHALL NOT HAVE BASINS.
4. FINISH GRADE
5. TREES INSTALLED WITHIN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GARD' OR APPROVED EQUAL AT BASE OF TRUNK.
6. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
7. ROOTBALL
8. 4" OBSERVATION TUBE WITH ¾" GRAVEL AT BASE
9. 12" AUGER THROUGH CALICHE OR HARD PAN



A TREE PLANTING
(DOUBLE STAKE - 15 GAL. & 24" BOX)
SCALE: NTS

TREES

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	FORM	WATER USE	QTY
+	T-1	ARBUTUS UNEDO 'MARINA'	MARINA STRAWBERRY TREE	36" BOX	STD	LOW	8
▲	T-2	GEIJERA PARVIFLORA	AUSTRALIAN WILLOW	36" BOX	UPRIGHT MULTI	LOW	7

SHRUBS

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	O.C. SPACING	WATER USE	QTY
	S1	ARTEMISA CALIF. 'MONTARA'	MONTARA CAL. SAGEBRUSH	1 GAL	30"	LOW	22
	S2	BACCHARIS PIL. 'TWIN PEAKS'	DWARF COYOTE BRUSH	1 GAL.	72"	LOW	12
	S3	CEANOTHUS G. H. 'YANKEE POINT'	YANKEE POINT CEANOTHUS	5 GAL.	72"	LOW	13
	S4	DIANELLA 'LITTLE REV'	DWARF FLAX LILY	1 GAL	18"	LOW	157
	S5	HESPERALOE PAR. 'BRAKELIGHTS'	RED YUCCA	5 GAL	36"	LOW	15
	S6	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	5 GAL	36"	LOW	15
	S7	MUHLENGERGIA DUBIA	PINE MUHLY	5 GAL.	42"	LOW	137
	S8	PENSTEMON HET. 'MARGARITA BOP'	FOOTHILL PENSTMON	1 GAL.	24"	LOW	52
	S9	ROSMARINUS PROSTRATUS	PROSTRATE ROSEMARY	5 GAL	48"	LOW	9
	S10	SENECIO SERPENS	BLUE CHALK STICKS	1 GAL	24"	LOW	40
	S11	WESTRIGIA FRUTICOSA 'MUNDI'	DWARF COAST ROSEMARY	5 GAL	48"	LOW	34

GRASSES & ACCENTS

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	O.C. SPACING	WATER USE	QTY
○	B1	ACHILLEA MILL. CALIFORNICA	YARROW	1 GAL	18"	LOW/MOD	25
⊛	B2	BOUTELOUA G. 'BLONDE AMBITION'	BLONDE AMBITION GRAMA	1 GAL	24"	LOW	22
⊛	B3	CAREX PRAEGRACILIS	FIELD SEDGE	1 GAL	24"	MOD	42
▶	B4	CHONDROPETALUM TEC. 'EL CAMPO'	SMALL CAPE REED	1 GAL.	30"	LOW	61
◉	B5	JUNCUS PATENS 'ELK BLUE'	ELK BLUE CALIF. GREY RUSH	1 GAL	18"	LOW/MOD	143

NOTES:

3" LAYER OF SHREDDED FOREST FLOOR BARK MULCH, OR AN APPROVED EQUAL, TO BE EVENLY DISTRIBUTED THROUGHOUT ALL SHRUB AND GROUNDCOVER AREAS.

*WUCOLS - WATER USE CLASSIFICATION OF LANDSCAPE SPECIES, UC DAVIS FOR THE CITY OF INGLEWOOD.

INGLEWOOD UNIFIED SCHOOL DISTRICT 1888

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW K-8 CAMPUS MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
1 11/5/2024	DSA SUBMITTAL

nuvis
LANDSCAPE ARCHITECTURE
714-754-7311
CA 3943 . NV 1097 I SBE . DBE

Project Number: 19-014.02
DSA A# 03-124773 FILE # 19-48

HED
601 South Figueroa Street
Suite 500
Los Angeles, California
90017 USA
(213) 542-4500
WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT — CHRISTOPHER A. CAMPOZANO — Signature — DECEMBER 31, 2025 Expiration Date — SEPT. 30, 2024 Date — STATE OF CALIFORNIA

© 2019

2018-04434-000

LANDSCAPE PLANTING LEGEND & DETAILS

L-402

TREES

ARBUTUS ‘MARINA’
Marina Strawberry Tree
(30’-35’ H x 25’-35’ W)
Low Water Use

GEIJERA PARVIFLORA
Australian Willow
(30’ H x 20’ W)
Low Water Use

SHRUBS

ARTEMISIA CAL. ‘MONTARA’
Montara California Sagebrush
(1’-2’ H X 3’-4’ W)
Low Water Use

BACCHARIS PIL. ‘TWIN PEAKS’
Coyote Brush
(2’-3’ H x 4’-6’ W)
Low Water Use

CEANOTHUS ‘YANKEE POINT’
Yankee Point Ceanothus
(1’-2’’ H x 6’ W)
Low Water Use

ERIOGONIUM G. V. RUBESCENS
Red Buckwheat
(1’-2’ H X 3’ W)
Very Low Water Use

HESPERALOE P. ‘BRAKELIGHTS’
Red Yucca
(2’-3’ H x 2’-3’ W)
Very Low Water Use

MIMULUS AURANTIACUS
Sticky Monkeyflower
(2’-3’ H x 2’-3’ W)
Very Low Water Use

MUHLENBERGIA DUBIA
Pine Muhly
(3’ H x 3’ W)
Low Water Use

PENSTEMON ‘MARGARITA BOP’
Foothill Penstemon
(2’ H x 2’-3’ W)
Very Low Water Use

ROSMARINUS ‘PROSTRATUS’
Prostrate Rosemary
(1’-2’ H x 4’-8’ W)
Low Water Use

SALVIA SPATHACEA
Hummingbird Sage
(1’-2’ H x 4’-5’ W)
Low Water Use

SENECIO SERPENS
Blue Chalk Sticks
(6” H x 2’-3’ W)
Low Water Use

WESTRINGIA FRUT. ‘MUNDI’
Mundi Westringia
(2’ H x 4’-6’ W)
Low Water Use

BIO-PLANTERS

ACHILLEA MIL. CALIFORNICA
Yarrow
(1’-3’ H x 2’ W)
Low / Moderate Water Use

BOUTELOUA G. ‘BLONDE AMBIT.’
Blonde Ambition Grama
(1’-2’ H x 1’-2’ W)
Low Water Use

CAREX PRAEGRACILIS
Field Sedge
(6”-8” H x spreading W)
Moderate Water Use

CHONDROPETALUM “EL CAMPO’
El Campo Small Cape Rush
(2’-3’ H x 3’-4’ W)
Low Water Use

JUNCUS PATENS ‘ELK BLUE’
Elk Blue California Gray Rush
(18”-24” H/W)
Low Water Use

NON-IRRIGATED MATERIALS

WOOD BARK MULCH
SHREDDED

CRUSHED GRAVEL MULCH
3/4” SIZE

INGLEWOOD UNIFIED SCHOOL DISTRICT 1888

401 S Inglewood Ave,
Inglewood, CA 90301

BENNETT-KEW
K-8 CAMPUS
MODERNIZATION

11710 S Cherry Ave,
Inglewood, CA 90303

Date	Issued For
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601 South Figueroa Street
Suite 500
Los Angeles, California
90017 USA

(213) 542-4500

WWW.HED.DESIGN

REGISTERED LANDSCAPE ARCHITECT
JAMES A CARDOZA No. 3943
Signature
DECEMBER 31, 2025
Expiration Date
SEPT. 30, 2024
Date
STATE OF CALIFORNIA

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2018-04434-000

LANDSCAPE
PLANTING
IMAGERY

L-403

3/31/2025 5:27:11 PM

PRODUCT REPORTS

010000-0006

1. FOR ALL ITEMS IN THE CONSTRUCTION DOCUMENTS NOT NOTED WITH A SPECIFIC PRODUCT NAME OR MANUFACTURER, THE CONTRACTOR SHALL PROVIDE A PRODUCT SPECIFIED IN THE TABLE BELOW.
2. THE FOLLOWING PRODUCTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE REFERENCED PRODUCT REPORTS, UNO.
3. A PRODUCT MAY BE SUBSTITUTED FOR AN EQUIVALENT PRODUCT PER THE SCHEDULE BELOW IF APPROVED BY THE SEOR AND THE BUILDING OFFICIAL.
4. PRODUCTS SPECIFIED BY TYPE ONLY MAY USE ANY PRODUCT FROM THE SCHEDULE BELOW.

TYPE	PRODUCT	ICC#	IAPMO#	LARR#
EXPANSION ANCHOR TO CONCRETE	HILTI KWIK BOLT TZ	ESR-1917	-	25701
	HILTI KWIK BOLT TZ2	ESR-4266	-	-
	HILTI KWIK BOLT 1		678	-
	MKT SZ	ESR-3173	-	-
	SIMPSON STRONG-BOLT 2	ESR-3037	-	25891
	DEWALT POWER STUD+ SD1	ESR-2818	-	25787
	DEWALT POWER STUD+ SD2/SD4/SD6	ESR-2502	-	25831
ADHESIVE ANCHOR TO CONCRETE	HILTI HIT-HY 200	ESR-3187	-	25964
	HILTI HIT-RE 500 V3	ESR-3814	-	26028
	HILTI HIT-RE 100	ESR-3829	-	26027
	HILTI HIT-HY-100	ESR-3572	-	-
	SIMPSON SET-3G	ESR-4057	-	-
	SIMPSON SET-XP	ESR-2508	-	-
	SIMPSON AT-XP	-	0263	-
	DEWALT PE1000+	ESR-2583	-	25849
	DEWALT AC200+	ESR-4027	-	-
	DEWALT PURE 110+	ESR-3298	-	26035
SCREW ANCHOR TO CONCRETE	HILTI KWIK HUS-EZ	ESR-3027	-	25897
	SIMPSON TITEN HD	ESR-2713	-	-
	SIMPSON SS TITEN SCREW	-	0493	26125
	DEWALT SCREWBOLT+	ESR-3889	-	-
DROP-IN ANCHOR TO CONCRETE	DEWALT SNAKE+	ESR-2272	-	25810
UNDERCUT ANCHORS TO CONCRETE	HILTI HDA	ESR-1546	-	25939
	DEWALT ATOMIC+	ESR-3067	-	-
	DEWALT MINI-UNDERCUT+	ESR-3912	-	-
CAST-IN INTERNALLY THREADED	HILTI HCI-HCIHCI-WF	ESR-3713	-	26024
	SIMPSON BLUE BANGER HANGER	ESR-3707	-	26030
	DEWALT BANG-IT / WOOD KNOCKER	ESR-3657	-	-
CONCRETE SCREW	SIMPSON SS TITEN 2	-	0449	-
	ITW BUILDEX TAPCON	ESR-2202	-	-
	DEWALT ULTRACON+	ESR-3068	-	-
SHOTPIN (POWER DRIVEN FASTENER) **	HILTI LOW-VELOCITY	ESR-2269	-	25675
	ITW / RAMSET/ POWER-DRIVEN	ESR-1799	-	22668
	SIMPSON POWER-ACTUATED	ESR-2138	-	25469
	DEWALT TRACK-IT C5	ESR-3275	-	25920
	DEWALT POWER-DRIVEN	ESR-2024	-	25304
CONCRETE REINFORCING HEADED END *	HRC 555 HEADED BARS	ESR-2935	0177	25815
	LENTON TERMINATOR D14	-	0188	25893
	BAR SPLICE BUTTON HEAD	-	0331	25996
	DEXTRA BARTEC	ESR-2166	-	25884
	HRC 500 COUPLERS	ESR-2764	-	25347
CONCRETE REINFORCING MECHANICAL SPLICES	LENTON THREADED COUPLERS	-	0129	24507
	BAR SPLICE ZAP SCREWLOK TYPE 2	ESR-3517	-	25366
	BAR SPLICE BPI-GRIP XL	ESR-2299	-	25011
	DEXTRA BARTEC	ESR-1705	-	25615
	DAYTON SUPERIOR BAR-LOCK	ESR-2495	-	25342
FORM MOUNTED REINF COUPLER	DEXTRA BARTEC	ESR-1705	-	25615
	LENTON THREADED FORM SAVERS	-	0129	24507
WELDED STUDS	NELSON STUDS	ESR-2856	-	02725
	STUD WELDING ASSOCIATES SHEAR CONNECTOR STUDS	ESR-1094	-	-
	TRU-WELD HEADED STUD ANCHORS	ESR-2577	-	24330
WELDED BAR ANCHORS	NELSON DEFORMED BAR ANCHORS	ESR-2907	-	25860
	TRU-WELD DEFORMED BAR ANCHORS	ESR-2823	-	25887
METAL DECK	VERCO DECK	-	0217	23789
	ASC STEEL ROOF DECK	ESR-1414	-	23783
	ASC STEEL FLOOR DECK	ESR-2408	-	23783
	EPIC METALS EPICORE	ESR-2047	-	25487
	CONSOLIDATED SYSTEMS ROOF DECK	ESR-2657	-	25758
	CONSOLIDATED SYSTEMS FLOOR DECK	ESR-2839	-	-
CONCRETE SLAB STUD RAILS	DECON STUD RAILS	ESR-2494	-	25395
	PEIKKO DSA/SSA SHEAR RAILS	ESR-3904	-	-
	TRU-WELD SHEAR RESISTOR STUDS	ESR-2822	-	25941
	PJ'S PUNCHING SHEAR RESISTORS	ESR-3821	-	26070
	NELSON PUNCHING SHEAR RESISTORS	ESR-1170	-	25499
	JSW STUD RAILS	ESR-3264	-	25930
SHEET METAL SCREW **	HILTI KWIK-PRO	ESR-2196	-	25678
	HILTI KWIK-FLEX	ESR-3332	-	25095
	SIMPSON X METAL SCREWS	ESR-3006	0326	25917
	PRIMESOURCE DARTS	ESR-1408	-	25904
	ITW BUILDEX TEKS	ESR-1976	-	25915
	ELCO DRIL-FLEX	ESR-3332	-	25095
BLIND FASTENERS TO STEEL	LNA BOXBOLT TYPE C	ESR-3217	-	-
	HOLLO-BOLT 3 PART / 5 PART	ESR-3330	-	26037
WOOD FRAMING CLIPS	SIMPSON STRONG-TIE CLIPS	ESR-2523	-	-
	USP STRUCTURAL CONNECTORS	ESR-2685	-	-
WOOD SCREWS	SIMPSON STRONG DRIVE SCREWS (SDS)	ESR-2236	-	25711
	SIMPSON SD TIMBER SCREWS (SDWS/SDWH)	-	0192	25906
	FASTENMASTER TIMBERLOK / HEADLOK / LEDGERLOK	ESR-1078	-	-

FOOTNOTES:

* ANY CONCRETE REINFORCING HEADED END COMPLYING WITH ASTM A970 MAY BE USED.

** ANY SHEET METAL SCREW COMPLYING WITH ASTM C1513, SELF-DRILLING AND TAPPING TYPE, WITH HEAD TYPE APPROPRIATE TO THE APPLICATION, MAY BE USED.

*** AT TREATED LUMBER, PROVIDE GALVANIZED FASTENERS IN ACCORDANCE WITH PRODUCT REPORTS.

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

010000-0003-DSA

1. THE OWNER SHALL EMPLOY ONE OR MORE DSA APPROVED SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF DSA, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
2. SEE DSA FORM DSA 103 FOR ALL REQUIRED STRUCTURAL TESTS AND SPECIAL INSPECTIONS.
3. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OR DSA DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS BY A SPECIAL INSPECTOR.
4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO DSA AND SEOR, AOR, CONTRACTOR AND SCHOOL DISTRICT. THE FINAL REPORT BY THE SPECIAL INSPECTOR(S) MUST CERTIFY THAT THE ENTIRE STRUCTURAL SYSTEM COMPLIES WITH THE APPROVED PLANS AND SPECIFICATIONS.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THESE INSPECTIONS ARE PERFORMED.
6. WORK REQUIRING SPECIAL INSPECTION SHALL BE OBSERVED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS INSPECTION CONSISTS OF FULL-TIME INSPECTION, PERIODIC INSPECTION CONSISTS OF PART-TIME OR INTERMITTENT INSPECTION.

ROUGH CARPENTRY / WOOD

061000-0000

1. ALL GRADES SPECIFIED ARE MINIMUM GRADES REQUIRED. DOUGLAS FIR-LARCH SHALL BE GRADED BY A GRADING AGENCY CERTIFIED BY THE ALSC TO THE WCLIB OR WWPA GRADING RULES, CONFORMING TO DOC PS 20. REDWOOD SHALL BE GRADED BY THE CALIFORNIA REDWOOD ASSOCIATION, REDWOOD INSPECTION SERVICE.
2. WOOD SPECIES SPECIFICATIONS ("DF" INDICATES DOUGLAS FIR-LARCH CONFORMING TO DOC PS20):

NON-LOAD-BEARING STUDS, TOP PLATES, BLOCKING, FURRING AND BRACING	DF #2
JOISTS, RAFTERS, PURLINS, BEAMS & POSTS	DF #1 (UNO)
LOAD-BEARING STUDS (UNO)	
HEIGHT NOT EXCEEDING 15'-0"	DF #2
HEIGHT EXCEEDING 15'-0" AND ALL HANGER STUDS	DF #1

3. MOISTURE CONTENT OF SAWN LUMBER SHALL NOT EXCEED 19% WHEN FRAMING STARTS OR SHEATHING IS APPLIED. ANY NONCOMPLIANT WORK SHALL BE REJECTED AND REFRAMED WITH ACCEPTABLE LUMBER.
4. ARCHITECTURALLY EXPOSED TIMBERS 4" NOMINAL IN THE LEAST DIMENSION SHALL NOT CONTAIN BOXED HEART.
5. PROVIDE FIRE-RETARDANT-TREATED (FRT) LUMBER AND WOOD STRUCTURAL PANELS PER CBC SECTION 2303.2 WHERE INDICATED BY ARCHITECT.
6. WOOD MEMBERS SHALL BE PRESERVATIVE-TREATED (PT) OR NATURALLY DURABLE (WITH APPROVAL OF SEOR) WHERE EXPOSED TO WEATHER AND IN ACCORDANCE WITH CBC SECTION 2304.12. SILL PLATES SHALL BE PRESERVATIVE-TREATED DOUGLAS FIR #2. END CUTS AND HOLES IN PT SILL PLATES SHALL BE TREATED.
7. FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESERVATIVE-TREATED WOOD, WOOD EXPOSED TO WEATHER, AND FIRE- RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A153. EXCEPTIONS: FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B695, CLASS 55 MINIMUM, AND PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC-BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT SHALL BE PERMITTED.
8. UNLESS NOTED OTHERWISE, SILL FASTENERS FOR INTERIOR NON-STRUCTURAL WALLS MAY BE 0.157" DIAMETER x 1 1/4" EMBED PDF's AT 16"OC.
9. SILL PLATES SHALL BE BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS AT 48" OC MAX, UNO, WITH A BOLT BETWEEN 7 x BOLT DIAMETER (4 3/8" MIN) AND 12" FROM THE END OF EACH PIECE OF SILL (2 BOLTS MIN EACH PIECE). PIECE OF SILL SHALL BE CONSIDERED ENDED WHERE PLATE IS CUT OVER ONE THIRD OF CROSS-SECTION.
10. ANCHOR BOLTS FOR BEARING WALLS SHALL HAVE 9" EMBEDMENT (UNO) MEASURED FROM TOP OF SLAB.
11. ALL BOLTS IN WOOD SHALL BE ASTM A307 STANDARD BOLTS, UNO. BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RETIGHTENED BEFORE CLOSING IN OR AT THE COMPLETION OF THE JOB. HOLES IN WOOD AND STEEL MEMBERS FOR BOLTS SHALL BE THE NOMINAL BOLT DIAMETER PLUS 1/16".
12. ALL NAIL SPACING, EDGE DISTANCES, AND END DISTANCES SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD. HOLES FOR NAILS, WHERE NECESSARY TO PREVENT SPLITTING, SHALL BE BORED OF A DIAMETER SMALLER THAN THAT OF THE NAILS.
13. HOLES IN WOOD FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME DIAMETER AND DEPTH AS THE UNTHREADED PORTION. HOLES FOR THE THREADED PORTION SHALL BE BORED WITH A BIT DIAMETER EQUAL TO 40% TO 70% OF THE SHANK DIAMETER IN DOUGLAS FIR. FOR OTHER WOOD SPECIES, REFER TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS).
14. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
15. STANDARD CUT STEEL WASHERS SHALL BE PROVIDED UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS WHICH BEAR ON WOOD. SEE SHEAR WALL SCHEDULE FOR WASHER REQUIREMENTS AT SHEAR WALL SILL BOLTS WHERE OCCUR.
16. STUD BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES LAPPED AT INTERSECTIONS. JOINTS IN UPPER AND LOWER MEMBERS OF DOUBLE TOP PLATES SHALL BE STAGGERED AT LEAST 4'-0".
17. NOTCHING AND HOLES SHALL NOT BE ALLOWED EXCEPT AS DETAILED ON THESE PLANS OR AS APPROVED BY THE SEOR.
18. INSTALL WINDOWS AND DOORS IN STUD WALLS AFTER DEAD LOADS ARE APPLIED, AND PROVIDE A 1/2" SHIM SPACE AT THE HEAD CONDITION.
19. STRUCTURAL FLOOR, ROOF AND WALL SHEATHING SHALL BE APA-RATED AND SHALL CONFORM TO DOC PS1 OR PS2.
20. EXTERIOR STUD WALLS SHALL BE COMPLETELY SHEATHED WITH 15/32" SHEATHING, EXPOSURE-1 (32/16), TYPICAL, UNO.
21. INTERIOR BEARING WALLS SHALL BE SHEATHED WITH 1/2" GYP BOARD EACH SIDE, FULL HEIGHT, UNO.
22. ALL STRUCTURAL WALL SHEATHING SHALL BE SPLICED ON 2" NOMINAL BLOCKING AT HORIZONTAL JOINTS, UNO.
23. AT FLOOR FRAMING, PROVIDE BRIDGING OR FULL-HEIGHT BLOCKING AS REQUIRED BY THE BUILDING CODE.
24. STRUCTURAL FLOOR AND ROOF SHEATHING SHALL BE APA-RATED EXPOSURE-1. 1/8" GAP SHALL BE PROVIDED BETWEEN ADJACENT SHEATHING PANELS. PANELS WITH GRADE STAMP INDICATION "SIZED FOR SPACING" MAY BE USED TO FACILITATE THIS REQUIREMENT. SHEATHING AT EXTERIOR DECKS SHALL BE EXTERIOR RATED PLYWOOD.
25. AT FLOOR APPLICATIONS, ATTACH FLOOR SHEATHING TO FRAMING USING RING-SHANK NAILS AND GLUE.

NAILING SCHEDULE

061000-0000

(UNLESS OTHERWISE NOTED ON PLANS)

COMMON NAILS SHALL BE USED FOR NAILING AT TYPICAL CONNECTIONS NOTED BELOW (UNO).

CONNECTION, NAIL TYPE	NAILING
JOISTS TO SILL OR GIRDER, TOENAIL	(3) 8d
JOISTS TO RIM JOIST, FACE NAIL	(3) 16d
BRIDGING TO JOIST, TOENAIL EACH END	(2) 8d
BLOCKING BETWEEN JOISTS/RAFTERS TO TOP PLATE, TOENAIL	(3) 8d
1" x 6" SUBFLOOR OR LESS TO EACH JOIST,...	(2) 8d
WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST, BLIND AND FACE NAIL	(3) 8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	(2) 16d
SILL PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 16"OC
TOP PLATE TO STUD, END NAIL	(2) 16d, TYP, UNO (4) 16d @ 2x10 STUDS
STUD TO SILL PLATE	(4) 8d TOENAIL OR (2) 16d END NAIL, TYP, UNO (7) 8d TOENAIL OR (4) 16d END NAIL @ 2x10 STUDS (2) 20 END NAIL @ 3x SILL PLATE
DOUBLE STUDS, FACE NAIL	16d @ 24"OC
DOUBLE TOP PLATES, FACE NAIL	16d @ 16"OC
TOP PLATES, LAPS, FACE NAIL	(8) 16d, UNO (18) 16d @ SHEARWALL LOCATIONS, UNO
TOP PLATES AT INTERSECTIONS, FACE NAIL	(2) 16d
CONTINUOUS HEADER, TWO PIECES	16d @ 16"OC ALONG EA EDGE
CEILING JOISTS TO PLATE, TOENAIL	(3) 8d
CONTINUOUS HEADER TO STUD, TOENAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
RAFTER TO PLATE, TOENAIL	(3) 8d
RIM JOIST TO TOP PLATE, TOENAIL	8d @ 6"OC
JACK RAFTER TO HIP, FACE NAIL	(2) 16d
1" BRACE TO EACH STUD & PLATE, FACE NAIL	(2) 8d
ROOF RAFTER TO 2x RIDGE BEAM, FACE NAIL	(2) 16d
1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	(3) 8d
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	(3) 8d
2" PLANKS	16d @ EA BEARING
BUILT-UP CORNER STUDS	16d @ 24"OC
BUILT-UP GIRDERS AND BEAMS	20d @ 32"OC @ TOP & BOTT & STGRD (2) 20d @ ENDS & @ EA SPLICE (2) 16 @ EA BEARING

NAIL SCHEDULE (COMMON NAILS)		
SIZE	DIAMETER (IN)	LENGTH (IN)
8d	0.131	2 1/2
10d	0.148	3
12d	0.148	3 1/4
16d	0.162	3 1/2
20d	0.192	4

STRUCTURAL STEEL

051200-0000

1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE "AISC MANUAL OF STEEL CONSTRUCTION". ALL WORK SHALL BE IN CONFORMANCE WITH THE TESTING, INSPECTION, QUALIFICATION, AND QUALITY ASSURANCE PROVISIONS AS REQUIRED BY THE BUILDING CODE AND ANY APPLICABLE STANDARDS. THESE STANDARDS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", AWS D1.1 "STRUCTURAL WELDING CODE - STEEL", AWS D1.8 "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT", AND RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". CONFORMANCE TO SUPPLEMENTS TO THESE STANDARDS, IF PUBLISHED ON OR BEFORE THE DATE OF PERMIT ISSUANCE, IS ALSO REQUIRED. ALTHOUGH THESE CONTRACT DOCUMENTS INCLUDE GENERAL REFERENCES TO CODES AND STANDARDS, AND REFERENCES TO OR INCLUSIONS OF SPECIFIED PROVISIONS, OMISSIONS OF ANY APPLICABLE CODE, STANDARD, OR PROVISION DOES NOT RELIEVE THE GENERAL CONTRACTOR FROM COMPLIANCE TO THE APPLICABLE REQUIREMENTS. COORDINATION OF QUALITY CONTROL AND QUALITY ASSURANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. STRUCTURAL STEEL MATERIALS/GRADES, UNO:

SHAPE	MATERIAL / GRADE
WIDE FLANGE & TEES	ASTM A992
PLATES, ANGLES, CHANNELS, THREADED RODS (UNO)	ASTM A36
HIGH-STRENGTH PLATE (UNO)	ASTM A572, GRADE 50
HIGH-STRENGTH PLATE 4 1/4" AND THICKER	ASTM A572, GRADE 42
SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A1085
ROUND HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A1085
PIPES	ASTM A53 TYPE E OR S, GRADE B (Fy = 35 KSI)
MACHINE BOLTS (MB)	ASTM A307
WELDED HEADED STUDS	ASTM A29
THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 55-S1

   a. EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH-STRENGTH BOLTS.
3. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY SEOR PRIOR TO FABRICATION.
4. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.
5. BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.
6. ALL STEEL FABRICATION SHALL BE PERFORMED BY A LICENSED FABRICATOR.
7. BEAMS NOT SPECIFIED WITH CAMBER SHALL HAVE MILL CAMBER PLACED IN UPWARD POSITION.
8. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHERPROOF COATING IS SPECIFIED BY THE ARCHITECT. UNO, STAINLESS AND WEATHERING STEELS, WHERE SPECIFIED, ARE EXEMPT FROM THIS REQUIREMENT. GALVANIZED SURFACES SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE REPAIRED AS NECESSARY. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.
9. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS.
10. WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS.
11. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT APPROVAL OF THE SEOR.
12. PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASEPLATES AND ALLOW TO CURE UNTIL SPECIFIED STRENGTH IS REACHED BEFORE APPLYING LOADS.
13. WHERE AN HSS OR PIPE SECTION IS INSTALLED IN AN EXTERIOR CONDITION, PROVIDE CAP PLATE EACH END WITH SEAL WELD ALL AROUND.
14. PROVIDE 3" MIN CONCRETE COVER AT ALL SUBGRADE STEEL ELEMENTS.

REINFORCING STEEL

032000-0000

1. REINFORCING GRADES FOR CONCRETE AND MASONRY:

ALL BARS UNLESS NOTED OTHERWISE	ASTM A615 OR A706, GRADE 60
TIES AND STIRRUPS	ASTM A615 OR A706, GRADE 60
WELDED WIRE FABRIC	ASTM A1064
ALL BARS TO BE WELDED	ASTM A706, GRADE 60

2. ALL BARS SHALL BE DEFORMED.
3. MAINTAIN CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO). THE INTENT IS FOR REINFORCEMENT TO BE PLACED SO THAT IT IS AS CLOSE TO CONCRETE SURFACES AS POSSIBLE, WITHIN SPECIFIED TOLERANCES, WHILE MAINTAINING THIS MINIMUM PROTECTION. PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.

CONDITION	COVER
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED AND EXPOSED TO EARTH OR WEATHER	
#6 BARS AND LARGER	2"
#5 BARS AND SMALLER	1 1/2"
UNEXPOSED RAISED SLABS AND WALL FACES (#11 BARS AND SMALLER)	3/4"
UNEXPOSED COLUMNS AND BEAMS	1 1/2"
STRUCTURAL SLABS ON GRADE	
FROM BOTTOM OF SLAB	2"
FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO EARTH OR WEATHER (#11 BARS AND SMALLER)	3/4"

4. "CLEAR" OR "CLR" INDICATES DISTANCE BETWEEN SURFACES AND DOES NOT INDICATE MINIMUM UNLESS SPECIFICALLY NOTED AS SUCH. CLEAR DISTANCES ARE SUBJECT TO TOLERANCES PER CRSI.
5. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24"OC. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS. DO NOT USE WOOD OR BRICK TO SUPPORT REINFORCING.
6. SPLICES IN CONTINUOUS REINFORCEMENT IN WALLS, FOOTINGS, ETC. SHALL HAVE A CLASS "B" LAP (1'-6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.
7. ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE.
8. BEND REINFORCING BARS COLD. BARS MAY ONLY BE BENT ONCE.
9. REINFORCEMENT SHALL BE FREE FROM MUD, OIL, DIRT, LOOSE RUST, MORTAR, PAINT, GREASE AND OTHER NON-METALLIC AGENTS THAT REDUCE BOND CAPACITY. BONDED RUST OR MILL SCALE IS ACCEPTABLE PROVIDED THE MINIMUM CROSS-SECTIONAL AREA (INCULDING HEIGHT OF DEFORMATIONS) AND WEIGHT ARE MAINTAINED.
10. DOWELS BETWEEN FOOTING AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE MAIN REINFORCING UNO.
11. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE DURING INSPECTION.
12. CHAIRS OR SPACERS FOR REINFORCING SHALL BE PLASTIC WHEN RESTING ON EXPOSED SURFACES.
13. WHERE LONGITUDINAL REINFORCING BARS ARE PLACED IN 2 OR MORE LAYERS, BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE BARS IN THE BOTTOM LAYER.
14. ALL BENDS WITHIN STIRRUPS, HOOPS, AND CROSS-TIES SHALL ENGAGE A LONGITUDINAL BAR. PROVIDE #4 SPACER BAR WHERE A LONGITUDINAL BAR IS NOT SPECIFICALLY DETAILED.
15. MECHANICAL BAR SPLICES (COUPLERS) MAY BE USED AT CONTRACTOR'S OPTION IN LIEU OF LAP SPLICES AND WHERE REBAR IS SHOWN CONTINUOUS THROUGH JOINTS. UNLESS NOTED OTHERWISE, ALL MECHANICAL BAR SPLICES SHALL BE "TYPE 2" AS DEFINED IN ACI 318 AND AS LISTED IN THE PRODUCT SCHEDULE, AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
16. MECHANICAL HEADED END ANCHORS MAY BE USED AT CONTRACTOR'S OPTION IN LIEU OF STANDARD 90 DEGREE HOOKS AS LISTED IN THE PRODUCT SCHEDULE, AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HEADED END ANCHORS WHERE CONGESTION DOES NOT ALLOW HOOKED REBAR INSTALLATION.
17. WELDING OF REINFORCING BARS SHALL BE PERFORMED PER AMERICAN WELDING SOCIETY (AWS) D1.4 USING E90XX ELECTRODES FOR A615 REINFORCING AND E80XX ELECTRODES FOR A706 REINFORCING.
18. (SPECIAL SYSTEMS) THE FOLLOWING REINFORCEMENT SHALL COMPLY WITH ASTM A706:
   a. VERTICAL REINFORCEMENT AT INTERSECTIONS AND ENDS OF CONCRETE WALLS ENCLOSED IN TIES OR STIRRUPS.
   b. LONGITUDINAL MOMENT FRAME REINFORCEMENT.

STRUCTURAL OBSERVATIONS

010000-0007

1. VISUAL OBSERVATIONS WILL BE PERFORMED AT THE DISCRETION OF THE OWNER, ARCHITECT, SEOR, AND AS REQUIRED BY THE BUILDING OFFICIAL IN ACCORDANCE WITH THE BUILDING CODE. VISUAL OBSERVATIONS SHALL NOT BE CONSIDERED AS A SUBSTITUTE FOR THE SPECIAL INSPECTION REQUIREMENTS.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE SEOR AS TO WHEN EACH MAJOR PHASE OF CONSTRUCTION IS READY FOR OBSERVATION A MINIMUM OF FIVE BUSINESS DAYS IN ADVANCE.
3. THE FOLLOWING MAJOR PHASES OF CONSTRUCTION REQUIRE A SITE VISIT AND STRUCTURAL OBSERVATION REPORT FROM THE SEOR:
   a. FOUNDATION REBAR AND ANCHORS - PRIOR TO FIRST POUR OF CONCRETE
   b. STRUCTURAL FRAMING - AFTER ERECTION AND PRIOR TO CLOSING IN
   c. RAISED FLOOR SLABS AND REBAR - PRIOR TO FIRST POUR OF CONCRETE
   d. ROOF NAILING - PRIOR TO INSTALLATION OF ROOFING AND CRICKETS
   e. COMPLETION OF THE STRUCTURAL SYSTEM
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NAILING, REINFORCEMENT, WELDS, CONNECTIONS, ETC. ARE VISIBLE FOR OBSERVATION WHEN THE SEOR IS ONSITE AND FOR ANY SCHEDULING DELAYS DUE TO NONCOMPLIANT ITEMS FOUND DURING THE OBSERVATION.
5. AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMIT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVERS' KNOWLEDGE, HAVE NOT BEEN RESOLVED.

FOUNDATIONS AND SLABS ON GRADE

033100-0001

A. GEOTECHNICAL REPORT INF

3/31/2025 5:27:14 PM

GLUED-LAMINATED FRAMING

061000-0003

1. WOOD SPECIES SPECIFICATIONS ("DF" INDICATES DOUGLAS FIR-LARCH CONFORMING TO DOC PS20):

SIMPLE SPANS	DF COMB. 24F-V4
CONTINUOUS OR CANTILEVER	DF COMB. 24F-V8

2. STRUCTURAL GLUED-LAMINATED (GLULAM) TIMBER OF SOFTWOOD SPECIES SHALL BE IN CONFORMANCE WITH ANSI/AITC STANDARD A190.1 AND ASTM D3737, OR OTHER CODE APPROVED DESIGN, MANUFACTURING AND/OR QUALITY ASSURANCE PROCEDURES. MEMBERS SHALL BE MARKED WITH THE ENGINEERED WOOD SYSTEM APA EWS TRADEMARK INDICATING CONFORMANCE WITH THE MANUFACTURING, QUALITY ASSURANCE, AND MARKING PROVISIONS OF ANSI/AITC STANDARD A190.1. THE MANUFACTURER OR SELLER SHALL SUBMIT CERTIFICATES OF CONFORMANCE.

3. GLULAM TIMBERS SHALL BE MANUFACTURED TO MEET THE FOLLOWING REQUIREMENTS:

	F_b TOP (PSI)	F_b BOT (PSI)	F_v (PSI)	E (PSI)
DF COMB. 24F-V4	1850	2400	265	1,800,000
DF COMB. 24F-V8	2400	2400	265	1,800,000
OTHER COMBINATIONS	AS SPECIFIED IN APA CODE REPORT NER-486			

4. PROVIDE 1600 FT RADIUS CAMBER UNLESS NOTED OTHERWISE. DO NOT PROVIDE CAMBER AT CANTILEVERED PORTIONS, WHERE OCCUR.

5. GLULAM TIMBER EXPOSED TO WEATHER SHALL BE PRESSURE TREATED W/ PRESERVATIVE.

6. GLULAM TIMBER SHALL BE PROTECTED DURING SHIPPING AND FIELD HANDLING IN ACCORDANCE WITH AITC 111.

7. MOISTURE CONTENT OF GLULAM MEMBERS SHALL NOT EXCEED 16%.

8. (DSA/OSHPD) MOISTURE CONTENT OF GLULAM MEMBERS SHALL NOT EXCEED 12%

ENGINEERED WOOD PRODUCTS

061000-0002

1. THE FOLLOWING MATERIALS ARE BASED ON LUMBER MANUFACTURED BY WEYERHAEUSER. ALTERNATE PRODUCTS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE A CURRENT THIRD PARTY EVALUATION REPORT FOR EQUIVALENT OR GREATER LOAD AND STIFFNESS PROPERTIES AND ARE REVIEWED AND APPROVED BY THE SEOR.
   a. LAMINATED VENEER LUMBER (LVL): CONFORM TO ICC ESR-1387
   b. PARALLEL STRAND LUMBER (PSL): CONFORM TO ICC ESR-1387
   c. LAMINATED STRAND LUMBER (LSL): CONFORM TO ICC ESR-1387

ENGINEERED WOOD REQUIREMENTS:

TYPE	USE	WIDTHS	E(10⁶) (PSI)	F_b (PSI)	F_v (PSI)	F_c⊥ (PSI)
LSL RIMBOARD	RIMBOARD	1 1/4", 1 1/2"	1.3E	1,700	400	1,400
	STAIR STRINGER	1 1/2"				
TIMBERSTRAND LSL	HEADER, BEAM, OR COLUMN < 9" DEPTH	3 1/2"	1.3E	1,700	400	1,400
TIMBERSTRAND LSL	RIMBOARD, HEADER, OR BEAM > 9" DEPTH	1 3/4", 3 1/2"	1.55E	2,325	310	2,050
TIMBERSTRAND LSL	WALL STUD 2x4 & 2x6	1 1/2"	1.3E	1,700	400	1,400
	WALL STUD > 2x6	1 1/2"	1.5E	2,250	400	1,950
MICROLLAM LVL	HEADER, BEAM	1 3/4"	2.0E	2,600	285	2,510
PARALLAM PSL	HEADER, BEAM	3 1/2", 5 1/4", 7"	2.2E	2,900	290	2,900
PARALLAM PSL	COLUMN	3 1/2", 5 1/4", 7"	1.8E	2,400	190	2,500

POST-INSTALLED ANCHOR TESTING

03300-0003-03A4SHPI

1. ALL POST-INSTALLED ANCHORS ARE TO BE TENSION TESTED WITH THE EXCEPTION THAT TORQUE TESTING IS ALLOWED IF THE ANCHORS ARE SPECIFICALLY DESIGNED AS TORQUE CONTROLLED.

2. TEST QUANTITY OF POST-INSTALLED ANCHORS AS NOTED BELOW:

APPLICATION	QUANTITY
SILL PLATES	10%
NON-STRUCTURAL (EQUIPMENT ANCHORAGE, ETC.)	50%
STRUCTURAL	100%

3. APPLY PROOF TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.

4. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR.

5. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING OR RESTRICTED FROM A CONCRETE SHEAR CONE TYPE FAILURE MECHANISM.

6. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

7. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   a. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, E.G. AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT.
   b. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE MANUFACTURER RECOMMENDED TORQUE WITHIN 1/2 TURN OF THE NUT.
      EXCEPTIONS:
      i. WEDGE OR SLEEVE TYPE: ONE-QUARTER TURN OF THE NUT FROM 3/8" SLEEVE ANCHOR ONLY.
      ii. THREADED TYPE: ONE-QUARTER TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

8. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL TWENTY CONSECUTIVE ANCHORS PASS. THEN RESUME THE INITIAL TEST FREQUENCY. IF THE ANCHORS ARE USED FOR THE SUPPORT AND BRACING OF NON-STRUCTURAL COMPONENTS (PIPE, DUCT OR CONDUIT), THE TWENTY SHALL BE ONLY THOSE ANCHORS INSTALLED BY THE SAME TRADE.

9. RE-USE OF SCREW ANCHORS OR HOLES IS NOT PERMITTED.

10. AN ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER IS REQUIRED FOR THE INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL AND OVERHEAD CONDITIONS.

11. TEST LOADS:

ANCHOR		LOAD (LBS)	TORQUE (FT-LBS)
TYPE	SIZE (IN)		
SIMPSON TITEN HD SCREW	3/8 DIA	1563	50

POST-INSTALLED ANCHORS

03300-0001

UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING APPLIES TO ALL POST-INSTALLED ANCHORAGE INTO HARDENED CONCRETE OR MASONRY WHICH INCLUDES TYPES SUCH AS EXPANSION, WEDGE, SLEEVE, ADHESIVE/EPOXY, SHOT-PIN, SCREW AND UNDERCUT.

1. INSTALL PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) EXCEPT AS OTHERWISE STATED IN THE SPECIFIED PRODUCT REPORTS. USE INSTALLATION PROCEDURES FOR CRACKED CONCRETE CONDITIONS. DO NOT USE CORE DRILL BITS FOR ANCHOR HOLES WITHOUT PRIOR EOR APPROVAL. COPIES OF INSTALLATION INSTRUCTIONS SHALL BE MAINTAINED ON SITE.

2. CLEAN OUT ANCHOR HOLES AND SET ANCHORS PER THE PRODUCT'S ICC REPORT FOR THE APPROPRIATE CONDITIONS. INSTALL UNDER SUPERVISION OF THE SPECIAL INSPECTOR WHERE REQUIRED.

3. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT DRY INTERIOR LOCATIONS AND STAINLESS STEEL TYPE 304 OR 316 AT EXTERIOR / DAMP INTERIOR LOCATIONS. REINFORCEMENT BARS TO RECEIVE CONCRETE COVER MAY BE UNCOATED. ANCHORS SHALL BE CLEAN AND FREE OF DEBONDING SUBSTANCES.

4. EMBEDMENT REFERS TO THE FINAL INSTALLED EFFECTIVE DEPTH "Hef" AS DEFINED IN THE PRODUCT REPORT, REQUIRED ANCHOR HOLE DEPTH FOR INSTALLATION MAY BE DEEPER.

5. MAINTAIN A MINIMUM OF 2 INCHES FROM EXISTING REINFORCEMENT, CONDUIT, POST-TENSIONING (WHERE OCCURS), ETC. PRIOR TO DRILLING, CORING OR SHOOTING PINS INTO EXISTING CONCRETE OR MASONRY. USE NON DESTRUCTIVE TESTING TO LOCATE SUCH ITEMS. FOR INSTALLATION DEEPER THAN 3 INCHES USE GROUND PENETRATING RADAR OR X-RAY METHODS.

6. WHEN THE FULL ANCHOR EMBEDMENT DEPTH, SPACING OR EDGE DISTANCE CANNOT BE OBTAINED, NOTIFY THE EOR AND IOR.

7. FILL ABANDONED HOLES WITH EPOXY AND PATCH SPALLS USING NON-SHRINK GROUT AND REPAIR FINISHES AS REQUIRED. CLEAR DISTANCE BETWEEN NEW HOLES AND ABANDONED HOLES SHALL BE 2" OR TWO ANCHOR DIAMETERS, WHICHEVER IS GREATER, UNLESS OTHERWISE SPECIFIED BY EOR. ANCHORS PENETRATING THROUGH WATERPROOFING OR VAPOR MEMBRANES SHALL BE SEALED OR FLASHED.

8. INSTALL IN DRY CONCRETE OR MASONRY HAVING A MINIMUM AGE OF 21 DAYS.

9. ADHESIVE/EPOXY ANCHORS ON THIS PROJECT ARE NOT DESIGNED TO SUPPORT OR INTENDED TO RESIST SUSTAINED TENSION LOADS UNLESS NOTED OTHERWISE.

COLD-FORMED STEEL FRAMING

054000-0000

1. DESIGN, FABRICATION AND ERECTION OF COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AS CONTAINED IN THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", INCLUDING ALL APPLICABLE AMENDMENTS.

2. ALL COLD-FORMED STEEL FRAMING SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE. ALL COLD-FORMED STEEL FRAMING SHALL BE BRACED AS REQUIRED BY SECTION D3 OF THE AISI SPECIFICATION.

3. COLD-FORMED STEEL GRADES:

18GA (43 MILS) OR THINNER	ASTM A1003 GRADE 33 (FY = 33 KSI)
16GA (54 MILS) AND THICKER	ASTM A1003 GRADE 50 (FY = 50 KSI)

4. THE THICKNESS OF TRACKS SHALL NOT BE LESS THAN THE THICKNESS OF THE MEMBER CONNECTING TO IT, UNLESS NOTED OTHERWISE.

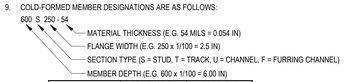
5. STUD ENDS SHALL ACHIEVE FULL BEARING AGAINST TRACK WEB, UNLESS NOTED OTHERWISE.

6. COLD-FORMED STEEL MEMBERS ARE TO BE ATTACHED WITH SHEET METAL SCREWS (SMS). PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN 3 EXPOSED THREADS. SCREWS ARE TO BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SCREW MANUFACTURER'S RECOMMENDATIONS. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513, SELF-DRILLING AND TAPPING TYPE, WITH PANCAKE FRAMER HEAD TYPE FOR #10 SMS AND HEX WASHER HEAD TYPE FOR #12 AND #14 (1/4"Ø) SMS UNLESS NOTED OTHERWISE.

7. COLD-FORMED MEMBERS SHALL BE UNPUNCHED WHERE USED FOR THE FOLLOWING: HEADERS AND SILLS OF OPENINGS WIDER THAN 3'-0", AND BUILT-UP SECTIONS. PUNCH-OUTS SHALL BE LOCATED IN THE CENTER OF THE WEB WITH A MINIMUM SPACING OF 24"OC, HAVE A MAXIMUM WIDTH OF HALF THE MEMBER DEPTH OR 2 1/2", WHICHEVER IS LESS, AND A MAXIMUM LENGTH OF 4 1/2". THE MINIMUM DISTANCE BETWEEN THE END OF THE MEMBER OR A SUPPORT AND THE NEAR EDGE OF THE PUNCH-OUT SHALL BE 10".

8. WELDING OF LIGHT GAGE STEEL SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3.

9. COLD-FORMED MEMBER DESIGNATIONS ARE AS FOLLOWS:



STUD TYPE	DESIGNATION THICKNESS (MILS)	GAGE (FOR REFERENCE ONLY)
NON-STRUCTURAL	18	25
	27	22
	30	20
STRUCTURAL STUDS	33	20
	43	18
	54	16
	68	14
	97	12
	118	10

10. PROVIDE SECTIONS WITH PROPERTIES MEETING OR EXCEEDING THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) TABULATED GROSS SECTION PROPERTIES AND A CURRENT THIRD PARTY EVALUATION REPORT. THE SUBMITTAL SHALL DEMONSTRATE THAT THE VALUES MEET/EXCEED SSMA'S TABULATED VALUES FOR THE PROJECT-SPECIFIC SECTIONS.

11. AT HARDWARE (CLIPS, HANGERS, ETC.), PROVIDE FASTENER IN ALL MANUFACTURER-PROVIDED HOLES, UNO.

ABBREVIATIONS AND LEGEND

010000-0002

AB	ANCHOR BOLT	INT	INTERIOR
ABV	ABOVE	IOR	INSPECTOR OF RECORD
ADDL	ADDITIONAL	JST	JOIST
ADJ	ADJACENT	JT	JOINT
AFF	ABOVE FINISH FLOOR	KLF	KIPS PER LINEAR FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
ARCH	ARCHITECT(URAL)	KSI	KIPS PER SQUARE INCH
BLDG	BUILDING	L	ANGLE
BLK	BLOCK	LD	DEVELOPMENT LENGTH
BLKG	BLOCKING	LDH	HOOK DEVELOPMENT LENGTH
BLW	BELOW	LFRS	LATERAL FORCE RESISTING SYSTEM
BM	BEAM		
BN	BOUNDARY NAILING	LLH	LONG LEG HORIZONTAL
B.O.	BOTTOM OF	LLV	LONG LEG VERTICAL
BOTT	BOTTOM	LONG	LONG(ITUDINAL)
BRB	BUCKLING-RESTRAINED BRACE	LP	LOW POINT
BRG	BEARING	LS	LAP SPLICE
BS	BOTH SIDES	LWC	LIGHTWEIGHT CONCRETE
BTWN	BETWEEN	MAX	MAXIMUM
C	CAMBER	MB	MACHINE BOLT
CG	CENTER OF GRAVITY	MECH	MECHANICAL
CIP	CAST IN PLACE	MFR	MANUFACTURER
CJ	CONTROL/CONSTRUCTION JOINT	MIN	MINIMUM
CJP	COMPLETE JOINT PENETRATION	MTL	METAL
CL	CENTERLINE	(N)	NEW
CLG	CEILING	NA	NEUTRAL AXIS
CLR	CLEAR	NS	NEAR SIDE OR NON-SHRINK
CMU	CONCRETE MASONRY UNIT	NTS	NOT TO SCALE
COL	COLUMN	NWC	NORMALWEIGHT CONCRETE
CONC	CONCRETE	OC	ON CENTER
CONN	CONNECTION	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	O.F.	OUTSIDE FACE
CSK	COUNTERSINK, COUNTERSUNK	OH	OPPOSITE HAND
CTR(D)	CENTER(ED)	OPNG	OPENING
D_B DB	BAR DIAMETER OR BOLT DIAMETER	PDF	POWDER/POWER DRIVEN FASTENER
DBL	DOUBLE		
DEMO	DEMOLITION	PJ	PANEL JOINT
DET	DETAIL	PJP	PARTIAL JOINT PENETRATION
DIA, Ø	DIAMETER	PL	PLATE
DIAG	DIAGONAL	PLC(S)	PLACE(S)
DIM	DIMENSION	PLF	POUNDS PER LINEAR FOOT
DIR	DIRECTION	PLYWD	PLYWOOD
DO	DITTO	PREFAB	PREFABRICATED
DWG	DRAWING	PSF	POUNDS PER SQUARE FOOT
(E)	EXISTING	PSI	POUNDS PER SQUARE INCH
EA	EACH	PT	PRESSURE TREATED OR POST TENSION
EF	EACH FACE		
EJ	EXPANSION JOINT	QTY	QUANTITY
EMBED	EMBEDMENT	RAD, R	RADIUS
ELEC	ELECTRICAL	REF	REFERENCE
ELEV	ELEVATION OR ELEVATOR	REINF	REINFORCING
EN	EDGE NAILING	REQD	REQUIRED
E.O.	EDGE OF	(S)	"SIMPSON" STRONG TIE CO. OR "USP" W/ EQUIVALENT THIRD PARTY EVALUATION VALUES
EOD	EDGE OF DECK		
EQ	EQUAL		
EQUIP	EQUIPMENT	SB	SILL BOLT
ES	EACH SIDE OR EDGE SCREW	SC	SAW CUT OR SLIP-CRITICAL
EW	EACH WAY	SCHED	SCHEDULE
EXP	EXPANSION	SEOR	STRUCTURAL ENGINEER OF RECORD
EXT	EXTERIOR		
FIN	FINISH	SHTG	SHEATHING
FLG	FLANGE	SIM	SIMILAR
FLR	FLOOR	SMS	SHEET METAL SCREW
FN	FIELD NAILING	SN	SILL NAIL
FND	FOUNDATION	SOG	SLAB ON GRADE
F.O.	FACE OF	SQ	SQUARE
FS	FAR SIDE OR FIELD SCREW	SS	STAINLESS STEEL
FRMG	FRAMING	STD	STANDARD
FRP	FIBER REINFORCED POLYMER	STGRD	STAGGERED
FT	FOOT OR FEET	STIFF	STIFFENER
FTG	FOOTING	STL	STEEL
Fy	YIELD STRESS	STRUCT	STRUCTURAL
GA	GAGE	T&B	TOP & BOTTOM
GALV	GALVANIZED	T&G	TONGUE AND GROOVE
GB	GRADE BEAM	THK	THICK
GC	GENERAL CONTRACTOR	THRD	THREADED
GLB	GLUED-LAMINATED BEAM	T.O.	TOP OF
HAB	HEADED ANCHOR BOLT	TRANS	TRANSVERSE
HD	HOLDOWN	TYP	TYPICAL
HDG	HOT-DIPPED GALVANIZED	UNO	UNLESS NOTED OTHERWISE
HDR	HEADER	VERT	VERTICAL
HGR	HANGER	VIF	VERIFY IN FIELD
HK	HOOK	W/	WITH
HORIZ	HORIZONTAL	W/O	WITHOUT
HP	HIGH POINT	WF, W	WIDE FLANGE
HS	HIGH-STRENGTH	WHS	WELDED HEADED STUD
HSB	HIGH-STRENGTH BOLT	WLD	WELDED
HSS	HOLLOW STRUCTURAL SECTION	WO	WHERE OCCURS
HT	HEIGHT	WP	WORK POINT
ID	INSIDE DIAMETER	WT	WEIGHT
I.F.	INSIDE FACE	WWF	WELDED WIRE FABRIC
IN	INCH		

REFERENCE ELEVATION OR WORK POINT

LFRS (LFRS) — INDICATES THAT A DETAIL OR PORTION OF FRAMING IS A PART OF THE LATERAL FORCE RESISTING SYSTEM AND IS SUBJECT TO ADDITIONAL REQUIREMENTS OUTLINED IN THE GENERAL NOTES AND SPECIFICATIONS

TYPICAL HATCH PATTERNS USED (UNLESS NOTED OTHERWISE):

CONCRETE · STEEL · SOIL/EARTH · MASONRY · GROUT/SAND · PLYWOOD/SHEATHING

EXISTING ELEMENTS ARE SHOWN AS HALFTONE, NEW ELEMENTS ARE SHOWN AS FULL TONE UNO; EXAMPLE:

INDICATES A NEW ELEMENT · INDICATES AN EXISTING ELEMENT

SAWN LUMBER:

CONTINUOUS · BLOCKING · END OF MEMBER

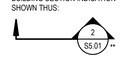
REFERENCE OF SECTIONS, DETAILS & SYMBOLS

010000-0004

DETAIL REFERENCE SHOWN THUS *:

DETAIL NOTED IS SHOWN ON SHEET S5.01, DETAIL 2

BUILDING SECTION INDICATION SHOWN THUS:



CUT IS SHOWN ON SHEET S5.01, DETAIL 2

ELEVATION INDICATION SHOWN THUS:

ELEVATION IS SHOWN ON SHEET S5.01, DETAIL 2

* (ADDITIONAL INDICATORS MAY BE USED TO SHOW LOCATION OF DETAIL CUTS)
** (SHEET NUMBER MAY BE REPLACED BY A HYPHEN (-) WHEN THE REFERENCED DETAIL APPEARS ON THE SAME SHEET AS THE CALL-OUT)

DETAIL TITLE SHOWN THUS:

INDICATES THE TITLE, SCALE, AND DETAIL NUMBER ON SHEET

STRUCTURAL SUBMITTALS

010000-0006

1. REVIEW OF SHOP DRAWINGS AND SUBMITTALS BY THE SEOR IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS.

2. SHOP DRAWINGS SHALL BE SUBMITTED TO THE SEOR (ALLOW FOR A REVIEW DURATION OF 10 BUSINESS DAYS), AND SHALL CONSIST OF ELECTRONIC FILES.

3. REPRODUCTION OF STRUCTURAL PLANS AND DETAILS FOR SHOP DRAWINGS IS PROHIBITED. SUBCONTRACTOR/FABRICATOR IS TO PROVIDE INDEPENDENTLY CREATED DRAWINGS BASED ON THE STRUCTURAL PLANS AND DETAILS. SHOP DRAWINGS THAT ARE REPRODUCTIONS OF STRUCTURAL DRAWINGS WILL NOT BE REVIEWED.

4. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.

5. THE FOLLOWING LIST SUMMARIZES REQUIRED STRUCTURAL SUBMITTALS FOR THIS PROJECT. REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST AND ADDITIONAL REQUIREMENTS.

GENERAL
- QUALIFICATION DATA FOR APPROVED INSTALLERS AND FABRICATORS
- CERTIFICATES OF CONFORMANCE FOR PREFABRICATED MEMBERS
- SEISMIC JOINT AND EXPANSION JOINT COVER PRODUCT DATA

CONCRETE REINFORCEMENT
- MANUFACTURER'S PRODUCT DATA, SPECIFICATIONS AND INSTALLATION PROCEDURES FOR PROPRIETARY MATERIALS AND REINFORCEMENT
- STEEL PRODUCER'S CERTIFICATES OF MILL ANALYSIS, TENSILE AND BEND TESTS
- SHOP DRAWINGS FOR FABRICATION, BENDING AND PLACEMENT

CAST-IN-PLACE CONCRETE
- DESIGN MIX FOR EACH CONCRETE MIX
- MATERIAL TEST REPORTS
- MATERIAL CERTIFICATES FOR CEMENT, AGGREGATES AND ADMIXTURES
- SHOP DRAWINGS FOR PROPOSED LOCATIONS OF ADDITIONAL CONSTRUCTION OR CONTROL JOINTS NOT SHOWN ON THE STRUCTURAL PLANS
- MINUTES FROM PREINSTALLATION CONFERENCE

ROUGH CARPENTRY
- PRODUCT DATA FOR TREATMENTS AND PRESERVATIVES
- MATERIAL CERTIFICATES FOR DIMENSION LUMBER
- WOOD I-JOIST SHOP DRAWINGS
- METAL-WEB WOOD JOIST SHOP DRAWINGS

Inglewood Unified School District
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1	11/5/2024	DSA SUBMITTAL

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DSA A# 03-124773 FILE # 19-48

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2023-IU002-002

GENERAL NOTES

S-002

Autodesk Docs://2023-IU002-002_IUSD Bennett-Kew P-8 Academy/2023-IU002-002_Arch_HED.rvt

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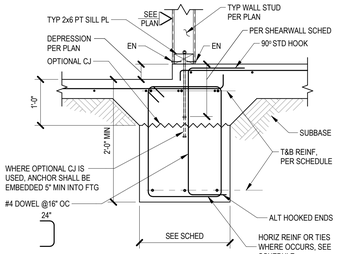
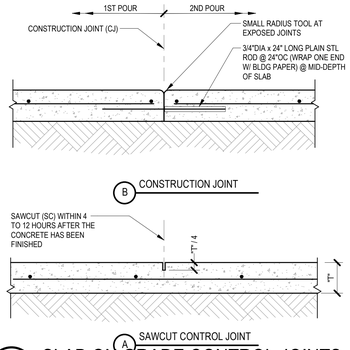
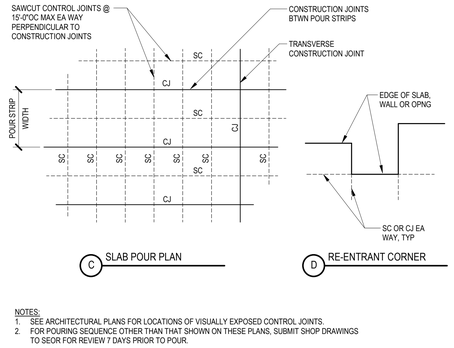


17 INTERIOR FOOTING AT SLAB DEPRESSION

3/4" = 1'-0"

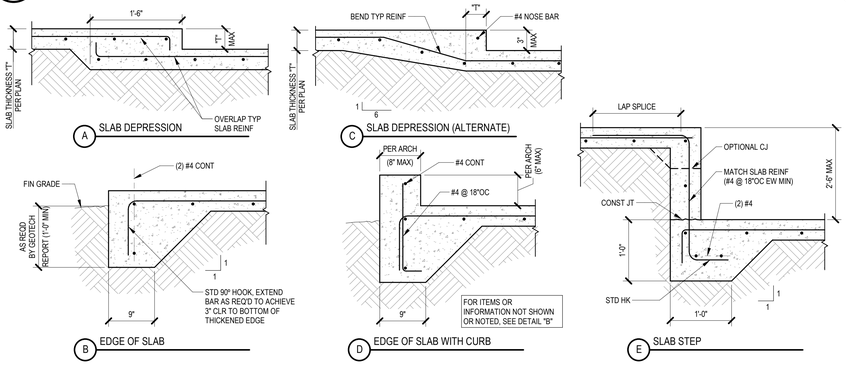




NOTES:
1. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VISUALLY EXPOSED CONTROL JOINTS.
2. FOR POURING SEQUENCE OTHER THAN THAT SHOWN ON THESE PLANS, SUBMIT SHOP DRAWINGS TO SEOR FOR REVIEW 7 DAYS PRIOR TO POUR.

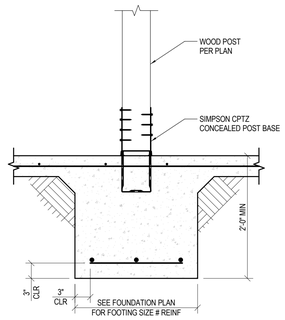
13 SLAB ON GRADE CONTROL JOINTS

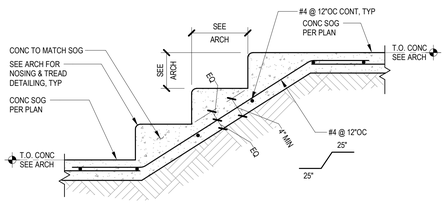
NTS 033100_03-0102



14 SLAB ON GRADE DETAILS

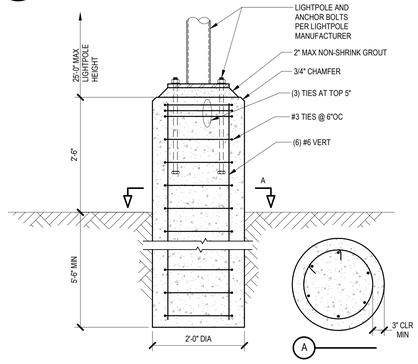
NTS 033100_03-0100





15 INTERIOR WOOD POST TO PAD FOOTING

1" = 1'-0"

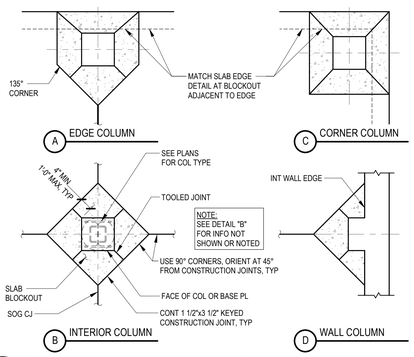


16 LIGHTPOLE FOUNDATION

3/4" = 1'-0"

11 INTERIOR STAIR ON GRADE

NTS 033053.02-0102

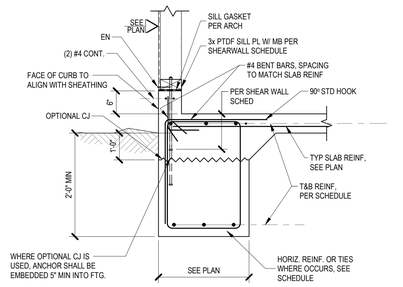


12 SLAB BLOCKOUT AT COLUMNS

NTS 033100_03-0101

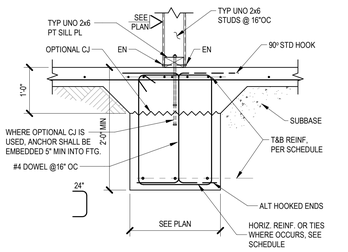
5 TYP. EXTERIOR FOOTING

NTS



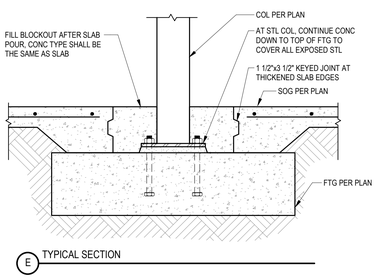
6 TYPICAL INTERIOR FOOTING

NTS

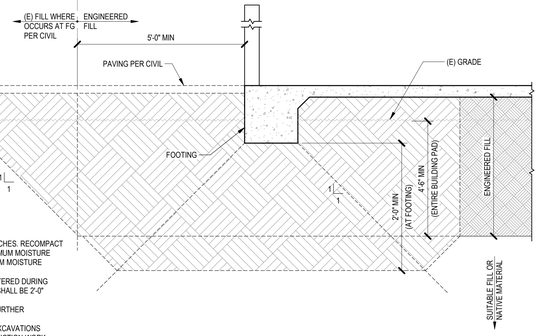


7 FOUNDATION SOIL PREPARATION

NTS



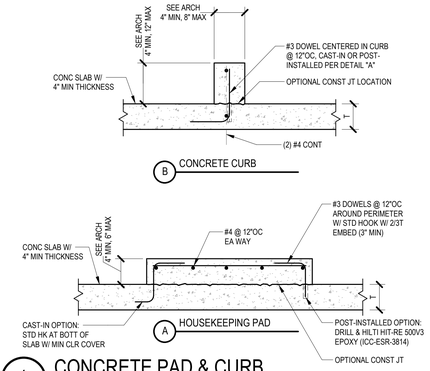
NOTE:
BLOCKOUT SHOULD BE LARGER THAN COLUMN BASEPLATE IF STEEL COLUMN IS INSTALLED AFTER POURING OF CONCRETE SLAB.



NOTE:
1. SCARIFY EXPOSED EXCAVATION BASE 8 INCHES. RECOMPACT TO 90% RELATIVE DENSITY AT LEAST OPTIMUM MOISTURE CONTENT FOR SAND AND 120% OF OPTIMUM MOISTURE CONTENT FOR CLAY.
2. WHERE FORMATIONAL MATERIAL ENCOUNTERED DURING OVEREXCAVATION, BOTTOM OF FOOTING SHALL BE 2'-0" MINIMUM ABOVE IT.
3. REFER TO GEOTECHNICAL REPORT FOR FURTHER CLARIFICATION.
4. GEOTECHNICAL ENGINEER TO APPROVE EXCAVATIONS BEFORE BACK FILL AND FOOTING CONSTRUCTION WORK.

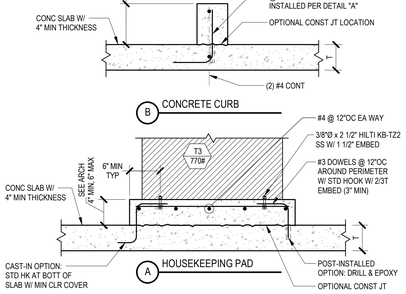
1 CONCRETE PAD & CURB

NTS 033053_01-0100



2 WOOD POST TO FOOTING

NTS



4 CONCRETE PAD & CURB

1" = 1'-0"

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DSA A# 03-124773 FILE # 19-48

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2023-IU002-002

TYPICAL FOUNDATION DETAILS

S-003

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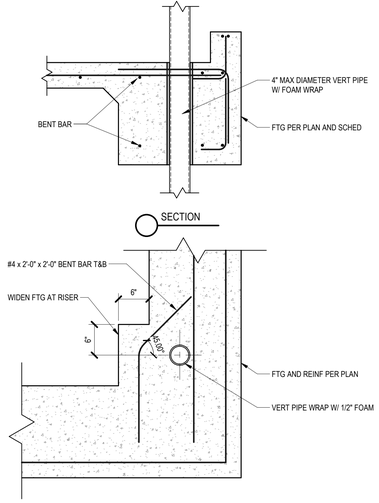
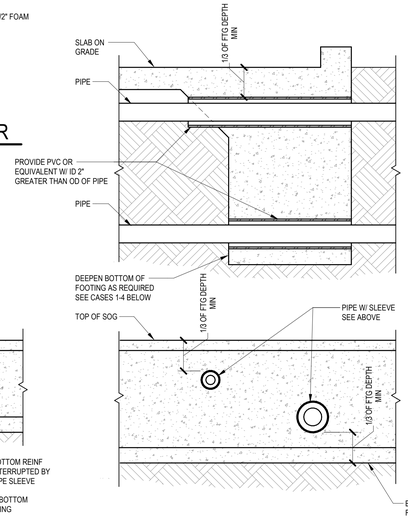


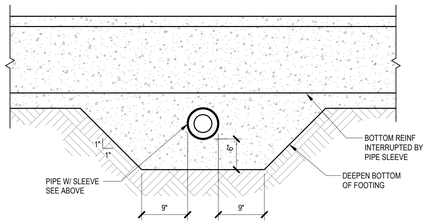
13 PARTIAL FOUNDATION PLAN AT FIRE RISER

1" = 1'-0"

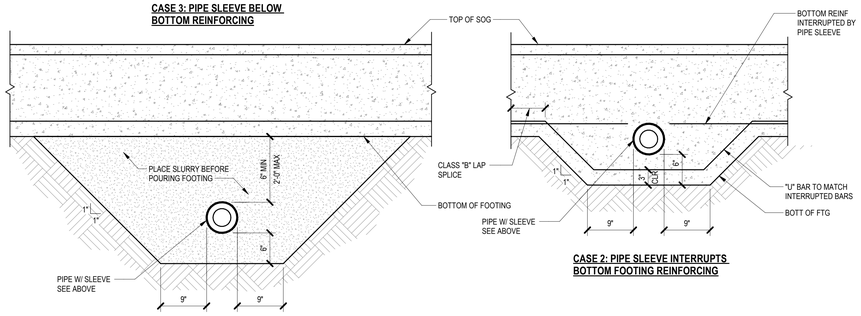
NOTES:
1. PIPES GREATER THAN 8" IN DIAMETER, AND BUNDLES OR BANKS NOT SPECIFICALLY SHOWN ON THE STRUCTURAL PLANS ARE NOT ALLOWED TO BE PLACED WITHOUT OBTAINING SEOR APPROVAL.
2. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
3. IF REQUIREMENTS AS SHOWN CANNOT BE MET, STEP FOOTING PER TYPICAL "STEPPED FOOTING" DETAIL.



CASE 1: BOTTOM OF PIPE SLEEVE 6" MIN ABOVE BOTTOM OF FOOTING



CASE 3: PIPE SLEEVE BELOW BOTTOM REINFORCING

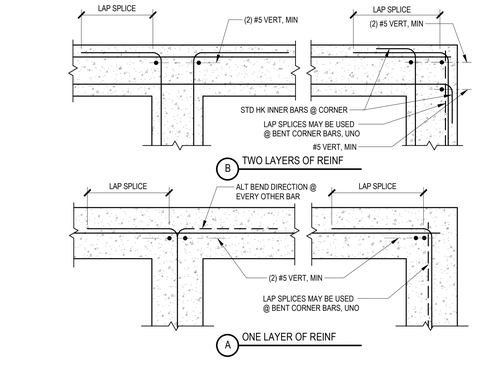


CASE 2: PIPE SLEEVE INTERRUPTS BOTTOM FOOTING REINFORCING

CASE 4: TOP OF SLEEVE 6" MIN BELOW BOTTOM OF FOOTING

15 PIPE PENETRATION FOOTING

NTS



5 CONCRETE WALL & FTG INTERSECTIONS

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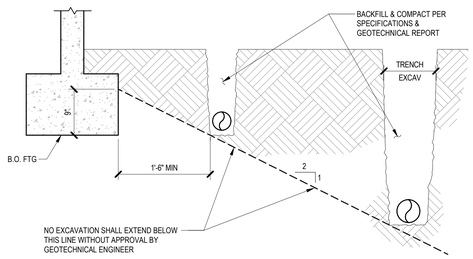
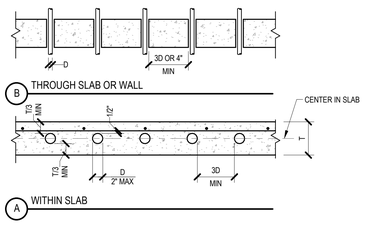


NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING OR OTHERWISE MAINTAINING THE SIDES OF THE EXCAVATION FROM CAVE-INS UNTIL ALL BACKFILL IS COMPLETED PER SPECIFICATIONS AND GEOTECHNICAL REPORT.

1 EXCAVATION PARALLEL TO FOOTINGS

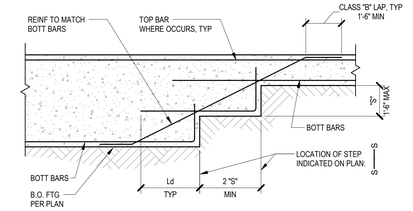
NTS 033100_00-0102



NOTES:
1. THICKEN SLAB TO A MINIMUM OF 9" AT ALL LOCATIONS WHERE CONDUIT/PIPES ARE PRESENT IN THE SLAB, AS SHOWN IN DETAIL A.
2. WHERE CLEAR DISTANCE CANNOT BE ACHIEVED, THIS AREA SHALL BE TREATED AS A SLAB OPENING.
3. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION.
4. CONDUITS/PIPES SHALL BE ADEQUATELY SUPPORTED AND SECURED AGAINST DISPLACEMENT PRIOR TO CONCRETE PLACEMENT.
5. MAINTAIN ONE REBAR DIAMETER CLEAR BETWEEN CONDUIT/PIPES AND REBARS. DO NOT SET CONDUIT/PIPES DIRECTLY ON REBAR.
6. NO MORE THAN 5 PARALLEL CONDUITS MAY BE PLACED IN ANY 5'-0" WIDE STRIP OF CONCRETE.
7. DO NOT CUT/RELOCATE REBAR TO INSTALL CONDUIT OR PIPING.

6 PIPES/CONDUITS IN/THRU SLAB & WALL

NTS 033100_00-0100

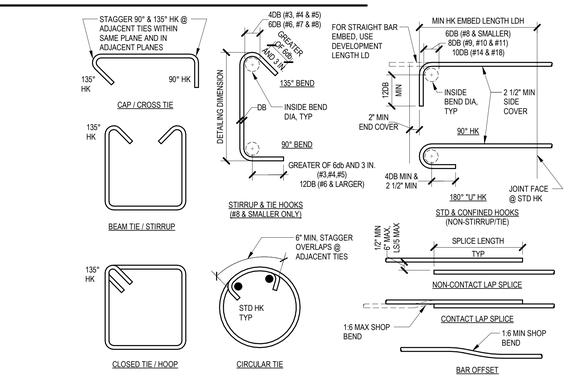


NOTES:
1. FOR FOOTING REINFORCING, SEE PLANS AND DETAILS.
2. TRANSVERSE STEEL NOT SHOWN FOR CLARITY.
3. TWO STEPS ARE SHOWN, DETAIL FOR SINGLE STEP OR ADDITIONAL STEPS IS SIMILAR.

3 STEPPED FOOTING

NTS 033100_01-0100

CASE 2: PIPE SLEEVE INTERRUPTS BOTTOM FOOTING REINFORCING



BAR SIZE	STD HOOK DEVELOPMENT LENGTH 'LDH' (IN)	CLASS B LAP SPLICE 'LS' (IN)		DEVELOPMENT LENGTH 'LD' (IN)	
		BOTT	TOP	BOTT	TOP
3000 PSI NWC	#3	6	22	28	17	22
	#4	8	29	37	22	29
	#5	10	36	47	28	36
	#6	12	43	56	33	43
	#7	14	63	81	48	63
	#8	16	72	93	55	72
	#9	18	81	105	62	81
	#10	20	91	118	70	91
	#11	22	101	131	78	101
4000 PSI NWC	#3	6	19	24	15	19
	#4	7	25	32	19	25
	#5	9	31	40	24	31
	#6	10	37	48	29	37
	#7	12	54	70	42	54
	#8	14	62	80	48	62
	#9	15	70	91	54	70
	#10	17	79	102	61	79
	#11	19	87	113	67	87
5000 PSI NWC	#3	6	17	22	13	17
	#4	6	22	29	17	22
	#5	8	28	36	22	28
	#6	9	33	43	26	33
	#7	11	49	63	37	49
	#8	12	55	72	43	55
	#9	14	63	81	48	63
	#10	15	70	91	54	70
	#11	17	78	101	60	78

HOOKS, LAPS & DEVELOPMENT LENGTHS

NOTES:
1. SEE BUILDING CODE AND ACI FOR ALL REQUIREMENTS NOT NOTED.
2. FOR LIGHTWEIGHT CONCRETE, MULTIPLY LDH, LS AND LD VALUES BY 1.33.
3. "TOP" BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS. ALL OTHER BARS ARE "BOTT" BARS.
4. WHERE REQUIRED LS CANNOT BE OBTAINED WITH STRAIGHT BARS, EXTEND REINFORCING AS FAR AS POSSIBLE (LDH MINIMUM) AND PROVIDE STANDARD HOOK. WHERE LDH CANNOT BE OBTAINED, CONTACT THE SEOR.
5. VALUES ARE FOR GRADE 60 (FY=60 KSI) REINFORCEMENT.
6. SPLICE LENGTHS ARE FOR CLEAR SPACING NOT LESS THAN 2DB AND CONCRETE COVER NOT LESS THAN DB.
7. FOR EPOXY-COATED AND/OR BUNDLED REINFORCEMENT, CONTACT THE SEOR.
8. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN TENSION, SPLICE LENGTH SHALL BE THE LARGER OF LD OF THE LARGER BAR AND LS OF THE SMALLER BAR.
9. WHERE CLASS "A" LAP SPLICES ARE SPECIFICALLY INDICATED, USE 'LD'.

12 CONCRETE REINFORCEMENT DETAILS & DEVELOPMENT LENGTHS

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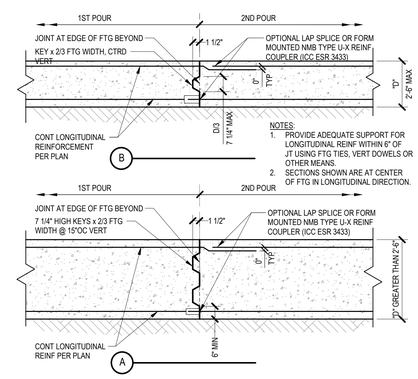

4 FOOTING CONSTRUCTION JOINT

NTS 033100_01-0104

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INGLEWOOD UNIFIED SCHOOL DISTRICT 1888

Inglewood Unified School District

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△	Date	Issued For
1	11/5/2024	DSA SUBMITTAL

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TYPICAL CONCRETE & MASONRY DETAILS

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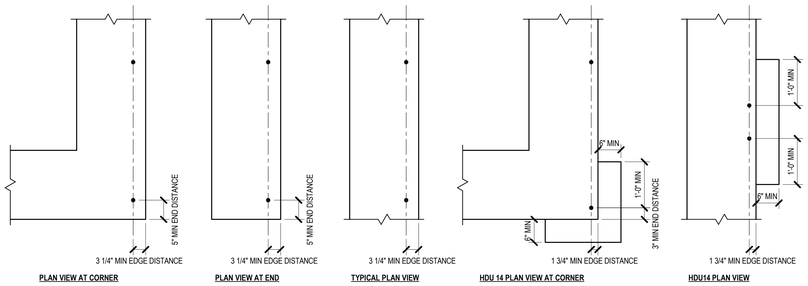
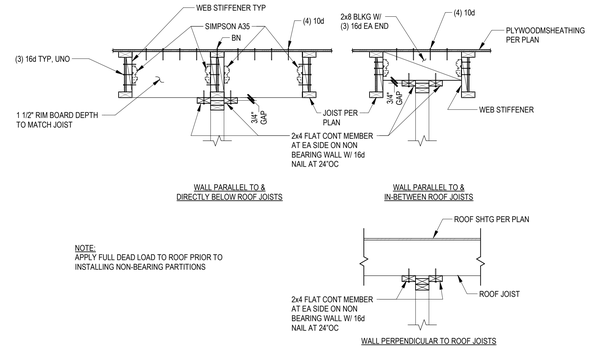


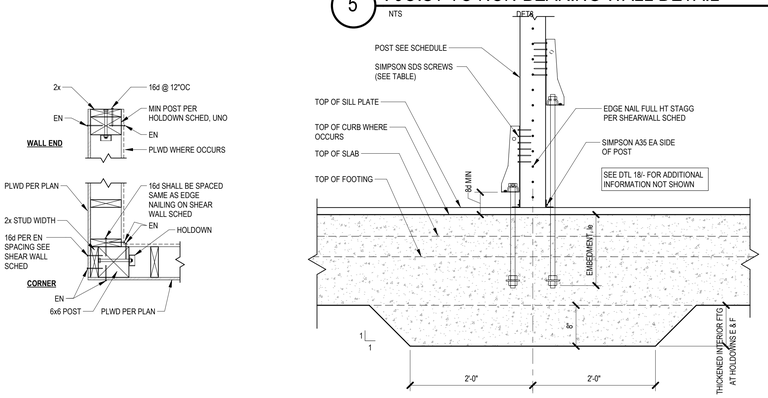
HOLDOWN SCHEDULE

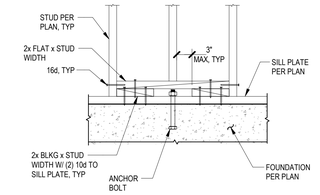
MARK	HOLDOWN	ANCHOR	MINIMUM WOOD MEMBER SIZE (IN)	CAPACITY 80% (ASD)	MIN EMBEDMENT, le	MIN END DISTANCE	MIN EDGE DISTANCE	MIN FOOTING WIDTH
A	SIMPSON HDU2-SDS2.5	5/8"Ø F-1554, GR55	3 x 3 1/2	2460 LB	18"	5"	3 1/4"	12"
B	SIMPSON HDU4-SDS2.5	5/8"Ø F-1554, GR55	3 x 3 1/2	3652 LB	18"	5"	3 1/4"	12"
C	SIMPSON HDU5-SDS2.5	5/8"Ø F-1554, GR55	3 x 3 1/2	4516 LB	18"	5"	3 1/4"	12"
D	SIMPSON HDU8-SDS2.5	7/8"Ø F-1554, GR55	3 x 3 1/2	5412 LB	18"	5"	3 1/4"	12"
E	SIMPSON HDU11-SDS2.5	1"Ø F-1554, GR55	3 1/2 x 5 1/2	7628 LB	24"	5"	3 1/4"	12"
F	SIMPSON HDU14-SDS2.5	1"Ø F-1554, GR55	5 1/2 x 5 1/2	11556 LB	24"	3"+6"	1 3/4"+6"	18"



5 I-JOIST TO NON-BEARING WALL DETAIL

NTS DET9





ANCHOR BOLT INTERRUPTS NORMAL STUD PLACEMENT

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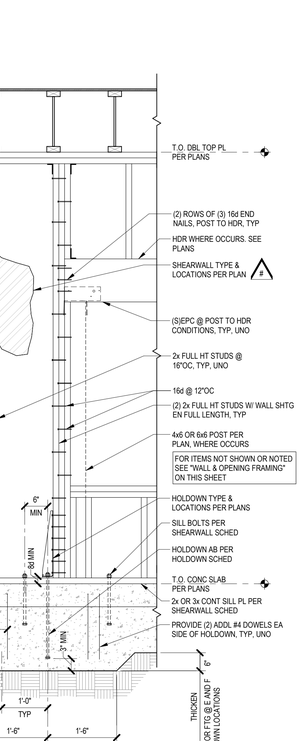

10 TYPICAL SHEAR WALL INTERSECTIONS

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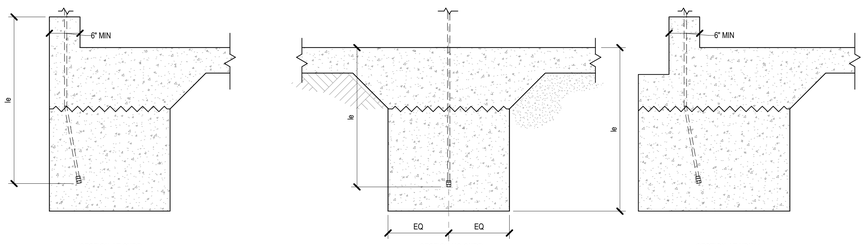

19 HOLDOWN SCHEDULE

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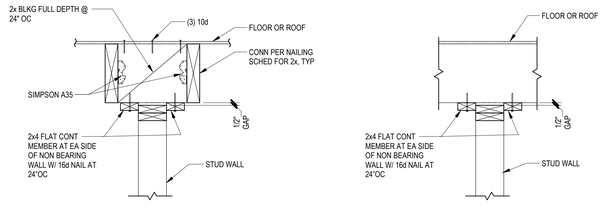
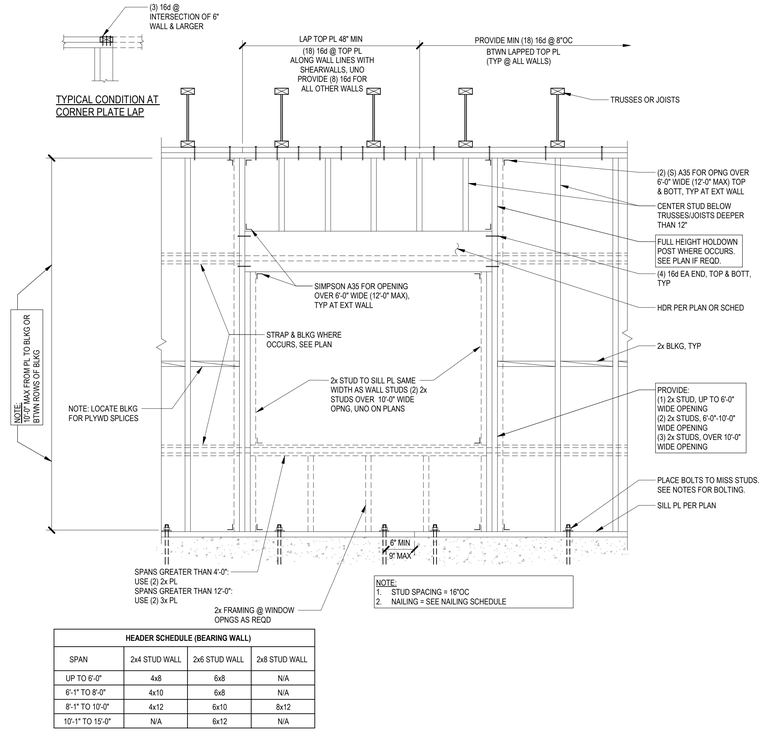


20 NON-BEARING PARTITION TOP PLATE

NTS 042200-0100

12 CONDITION AT HOLDOWN

NTS DET1



HEADER SCHEDULE (BEARING WALL)			
SPAN	2x4 STUD WALL	2x6 STUD WALL	2x8 STUD WALL
UP TO 6'-0"	4x8	6x8	N/A
6'-1" TO 8'-0"	4x10	6x8	N/A
8'-1" TO 10'-0"	4x12	6x10	8x12
10'-1" TO 15'-0"	N/A	6x12	N/A

8 WALL OPENING FRAMING

NTS 061000_01-0101

Inglewood Unified School District

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TYPICAL WOOD FRAMING DETAILS

S-005

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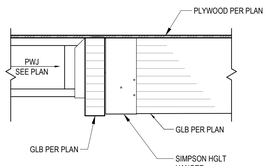
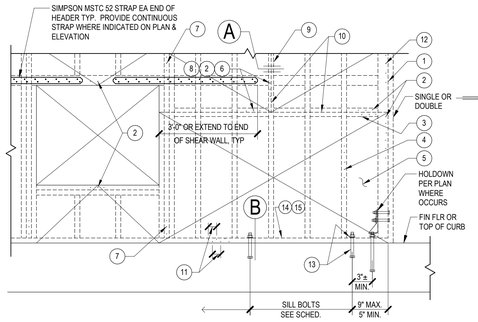
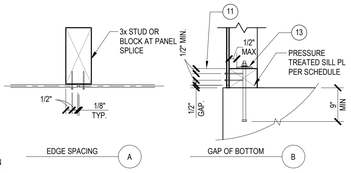


17 GLB TO GLB CONNECTION DETAIL
1" = 1'-0"





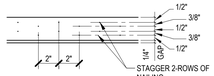
NOTES:
1. RETIGHTEN SILL BOLT NUTS BEFORE CLOSING IN.
2. MIN SHEATHING SIZE = 24"
3. MACHINE APPLIED NAILING:NAILS SHALL NOT BE OVER-DRIVEN. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM EDGE DISTANCE IS NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. NAILS SHALL NOT HAVE "CLIPPED" HEADS. NAILING USING "CLIPPED" HEADS WILL BE DEEMED UNSATISFACTORY.
4. NAILS SHALL BE PLACED NOT LESS THAN 1/2 INCH IN FROM PANEL EDGE OR FRAMING MEMBER EDGE. SEE DETAIL
5. WHERE SHEATHING IS APPLIED TO BOTH SIDES OF WALL, THE VERTICAL PANEL SPLICE LOCATIONS SHALL BE STAGGERED.
6. TYPICAL SILL PLATE ANCHOR BOLTS MAY BE MACHINED BOLTS OR STD ANCHOR BOLTS
7. THE FOLLOWING APPLIES TO ALL SHEAR WALLS WITH A SHEAR VALUE GREATER THAN 350 plf. THESE WALLS SHALL BE CLEARLY IDENTIFIED ON THE PLANS AND PROVIDE WITH THE FOLLOWINGS:
   a. 3x SILL PLATES.
   b. 3x STUDS AND BLOCKS BETWEEN ADJACENT PANELS.
   c. 1/2" EDGE DISTANCE FOR PLYWOOD BOUNDARY NAILING.
   d. ALL PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED.
8. NO PENETRATION ARE ALLOWED IN SHEARWALL UNLESS SHOWN ON DRAWINGS.
9. MECHANICAL OPENING SHALL NOT INTERRUPT KING STUDS, HOLDOWN STUDS, HOLDOWN POSTS.

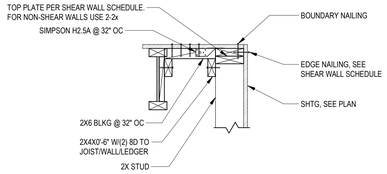
* SEE PLANS FOR SILL BOLTING & SILL NAILING @ WALLS WITH SHEATHING EA SIDE.

MINIMUM NAIL SIZES:

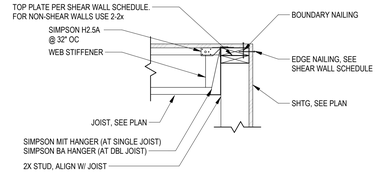
SHEATHING THICKNESS	MIN LENGTH	MIN DIAMETER
15/32" W/ 10d	2 1/4"	.148"

1. 2-2x STUD OR 6x6 POST @ CORNERS WHERE 2 SHEAR WALLS MEET, UNO.
2. EDGE NAILING ALL EDGES, ALL SHEETS SEE SCHED EN.
3. 3x SOLID BLOCKING (TYP.) SEE (A) FOR EDGE SPACINGS.
4. FIELD NAILING TYP (FN) 12"OC
5. PLYWOOD OR APA SHEATHING(OSB). SEE SCHEDULE.
6. NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED AT 2"OC
7. EDGE NAILING FULL HEIGHT OF KING STUDS OR POST ADJACENT OPENINGS
8. SHEATHING PANELS MAY BE LAYED VERTICALLY OR HORIZONTALLY. PANEL JOINTS SHALL BE EITHER STAGGERED VERTICALLY OR HORIZONTALLY WHEN MORE THAN ONE PANEL HIGH OR WIDE.
9. PROVIDE 3x STUD @ PANEL SPLICES. SEE DETAIL (A) FOR EDGE SPACINGS.
10. PROVIDE 1/8" GAP BETWEEN ENDS/ SIDES OF SHEATHING PANELS.
11. AT SILL PLATE TO FOUNDATION PROVIDE 2 ROWS OF NAILS SPACED AT EDGE NAILING (EN) SPACING REFER TO LUMBER NOTES FOR CORROSION RESISTANT FASTENERS SEE NOTE (15) FOR EN SPACING @ 2"OC.
12. WHERE HOLDOWN STUDS OR POST IS INSET FROM END OF WALL DUE TO TRIMMER STUDS, PROVIDE ADDITIONAL EDGE NAILING (EN) TO THESE MEMBERS
13. HOLES IN SILL PLATE SHALL BE 1/16" MAX. OVERSIZE OF MACHINE BOLT SIZE. PROVIDE HEAVY PLATE WASHERS AT MB'S. SEE SCHEDULE FOR SILL BOLTS SIZE AND SPACING. SILL BOLTS MAY BE STD. ANCHOR BOLTS. RE-TIGHTEN NUTS IMMEDIATELY PRIOR TO COVERING. REFER TO LUMBER NOTES FOR CORROSION RESISTANT FASTENERS.
14. PRESSURE TREATED DF OR HF SILL PL PER SCHEDULE.
15. WHEN EN=2"OC STAGGERED NAILS PER DIAGRAM.





5 TYPICAL ROOF JOIST PARALLEL TO EXTERIOR WALL
NTS

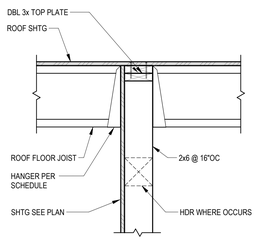


1 TYPICAL ROOF JOIST PERPENDICULAR TO EXTERIOR WALL
NTS

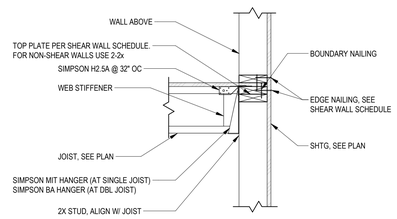
SHEARWALL SCHEDULE

MARK	PLYWOOD OR OSB SHEATHING	EDGE NAILING (EN)	SILL NAILING (SN)	SILL BOLTING (SB)	RIM JOIST OR BLOCKING CONNECTION TO TOP PLATE	FOUNDATION SILL PL	OTHER SILL PL S	TOP PL	SEISMIC 92% CAPACITY (ASD)	WIND CAPACITY (ASD)
SW1	15/32" STRUCT 1 (ONE SIDE)	10d @ 6"OC	16d @ 6"OC OR SIMPSON SDS 1/4"x4 1/2" @ 12"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 48"OC	SIMPSON A35/LTP4 @ 16"OC	2x	2x	(2) 2x	312.8 PLF	475 PLF
SW2	15/32" STRUCT 1 (ONE SIDE)	10d @ 4"OC	16d @ 4"OC OR SIMPSON SDS 1/4"x4 1/2" @ 8"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 32"OC	SIMPSON A35/LTP4 @ 12"OC	3x	2x	(2) 2x	469.2 PLF	715 PLF
SW3	15/32" STRUCT 1 (ONE SIDE)	10d @ 3"OC	16d @ 4"OC OR SIMPSON SDS 1/4"x4 1/2" @ 6"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 24"OC	SIMPSON A35/LTP4 @ 8"OC	3x	2x	(2) 2x	611.8 PLF	930 PLF
SW4	15/32" STRUCT 1 (ONE SIDE)	10d @ 2"OC	16d @ 2"OC OR SIMPSON SDS 1/4"x6" @ 4"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 16"OC	SIMPSON A35/LTP4 EA SIDE @ 12"OC	3x	2x	(2) 2x	800.4 PLF	1217 PLF
SW2S	15/32" STRUCT 1 (TWO SIDES)	10d @ 4"OC	SIMPSON SDS 1/4"x6" @ 3"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 12"OC	SIMPSON A35/LTP4 EA SIDE @ 8"OC	3x	2x	4x OVER 2x	938.4 PLF	1860 PLF
SW4S	15/32" STRUCT 1 (TWO SIDES)	10d @ 2"OC	SIMPSON SDS 1/4"x6" (2) STAGGERED ROWS AT 4"OC	5/8"∅x9" EMBED CAST-IN ANCHOR BOLT @ 9"OC	SIMPSON A35/LTP4 EA SIDE @ 5"OC	3x	2x	4x OVER 2x	1600.8 PLF	

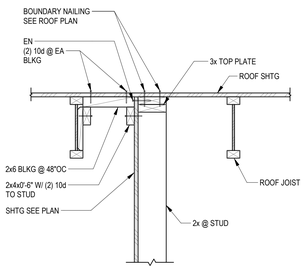
NOTES:
1. INTERMEDIATE (FIELD) NAILING SHALL BE 10d @ 12"OC WHERE STUDS ARE SPACED LESS THAN 24"OC, OTHERWISE. INTERMEDIATE (FIELD) NAILING SHALL BE 10d @ 6"OC.
2. FRAMING INCLUDING BLOCKING AT ADJOINING PANEL EDGES SHALL BE 3x MIN AND NAILS SHALL BE STAGGERED WHERE SHEARWALL CAPACITY INDICATED ABOVE EXCEEDS 350 PLF.
3. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6"OC ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO OCCUR ON DIFFERENT FRAMING MEMBERS, OR FRAMING SHALL BE 3x MIN AND NAILS ON EACH SIDE SHALL BE STAGGERED.
4. USE OF MACHINE NAILING IS SUBJECT TO APPROVAL BY THE EOR. WITH APPROVAL, MACHINE NAILING IS SUBJECT TO THE DEMONSTRATION OF CONTINUOUS SATISFACTORY JOBSITE PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY BY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER, OR IF MINIMUM EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
5. NO PANEL LESS THAN 12" WIDE SHALL BE USED IN VERTICAL PLYWOOD SHEARWALLS.
6. ALL SILL BOLTS SHALL HAVE A 0.229" x 3" SQ MIN PLATE WASHER UNDER NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE(S) WITH SHEATHING. AT 2x6 WALLS, ACCEPTABLE TO USE SIMPSON BPS 5/8-6 PLATE WASHER, OR EQUIVALENT, WITH STANDARD CUT WASHER.
7. SIMPSON TITEN HD SCREW ANCHORS SHALL BE INSTALLED PER ICC ESR-2713.
8. FOR WALLS SUPPORTED ON CURBS, SCREW ANCHORS SHALL NOT BE USED. USE CAST-IN ANCHORS ONLY.
9. NAILS SHALL BE COMMON OR GALVANIZED (HOT-DIPPED OR TUMBLED) BOX AND SHALL BE LOCATED 3/8" MINIMUM FROM PANEL EDGES.
10. PLYWOOD EN & SN SHALL BE STAGGERED.
11. FOUNDATION SILL PLATES ARE THOSE PLACED AGAINST CONCRETE & RECEIVING SILL BOLTING. ALL FOUNDATION SILL PLATES MUST BE PRESERVATIVE-TREATED
12. SIMPSON SDS SCREWS W/ 2" MIN PENETRATION INTO MAIN MEMBER SHALL BE USED WHERE 16d NAILS CANNOT ACHIEVE MIN PENETRATION OF 1 1/4" INTO MAIN MEMEBER.
13. WHERE SHEAR PANELS DO NOT FULLY COVER A WALL, THE REMAINING WALL SURFACE(S) SHALL BE SHEATHED WITH PLYWOOD OF THE SAME THICKNESS AS THE SHEAR PANEL, WITH EN = 10d@6" AND FN = 10d@12
14. 14. PER NOTE 10 OF SDPWS TABLE 4.3A, REDUCE THE NOMINAL SHEAR WALL CAPACITY BY 8%.

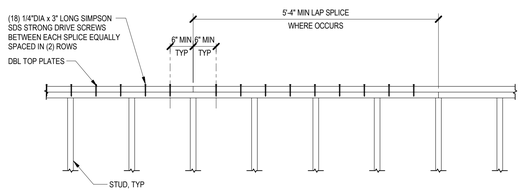


18 DETAIL
1" = 1'-0"

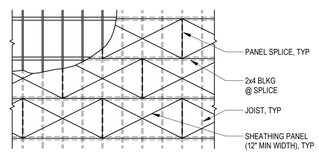


14 TYPICAL SHEARWALL SCHEDULE
NTS DET10





NOTE:
USE DBL TOP PL SPLICE PER 7/-, TYP UNO ON PLAN.



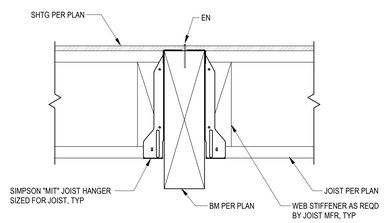
19 TYPICAL ROOF JOIST PERPENDICULAR TO INTERIOR WALL
NTS DET11

15 TYPICAL FLOOR JOIST PERPENDICULAR TO EXTERIOR WALL
NTS DET29

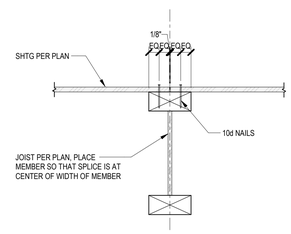
11 TYPICAL ROOF JOIST PARALLEL TO INTERIOR WALL
NTS DET12

7 TOP PLATE SPLICE
NTS

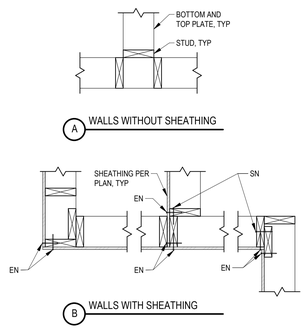
3 BLOCKED SHEATHING PATTERN
NTS 061000_04-0112



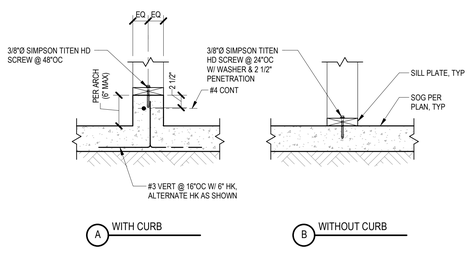
20 I-JOIST TO BEAM
NTS



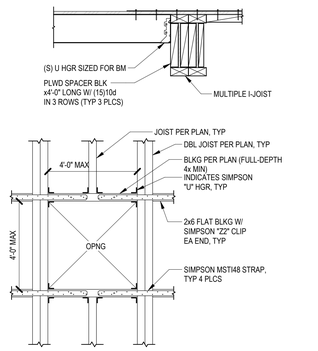
16 SHEATHING SPLICE -I JOIST
NTS 061000_04-0115



12 WALL INTERSECTIONS AND CORNERS
NTS 061000_01-0102



8 NON-BEARING PARTITION SILL PLATE ANCHORAGE
NTS 061000_01-0100



4 ROOF OPENING FRAMING
NTS

Inglewood Unified School District
401 S. Inglewood Ave.
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IUSD Bennett-Kew P-8 Academy
11710 S Cherry Ave,
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△	Date	Issued For
1	11/5/2024	DSA SUBMITTAL

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2023-IU002-002

TYPICAL WOOD FRAMING DETAILS

S-006

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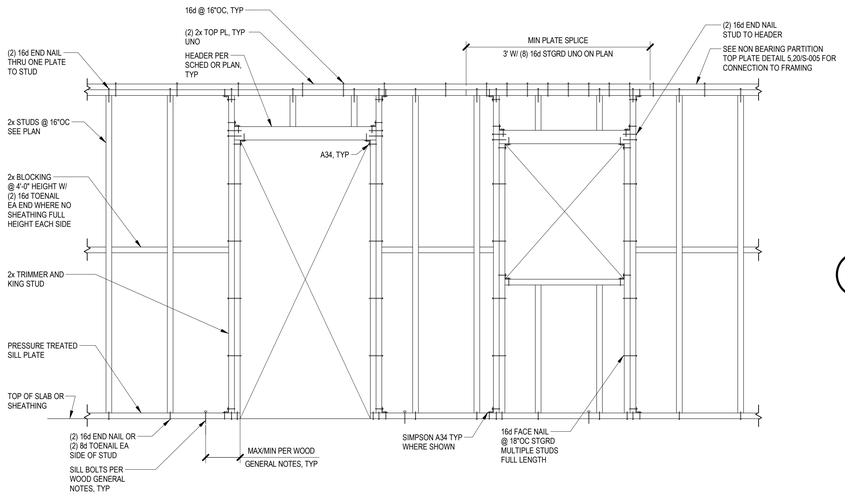
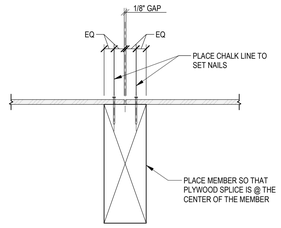


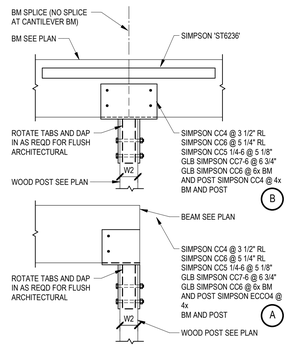
NON-BEARING PARTITION HEADERS		
SPAN	2x4 STUD WALL	2x6 STUD WALL
UP TO 8'-0"	(2) 2x6	(3) 2x6
8'-1" TO 10'-0"	(2) 2x8	(3) 2x8
10'-1" TO 12'-0"	(2) 2x10	(3) 2x10

NOTES:
1. SOLID HEADERS MAY BE USED W/ SAME THICKNESS & DEPTH AS BUILT-UP HEADERS SHOWN ABOVE.

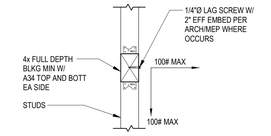
18 INTERIOR NON-BEARING STUD WALL FRAMING
NTS DET-041



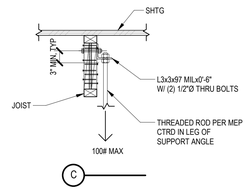
9 STRUCTURAL SHEATHING SPLICE
1 1/2" = 1'-0"

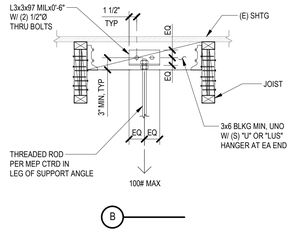


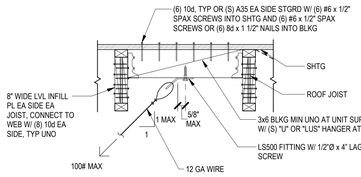
5 TYPICAL BEAM TO POST CAP CONNECTIONS
NTS DET29



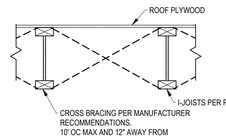
1 TYPICAL ANCHORAGE TO WOOD BLOCKING
NTS DET-037



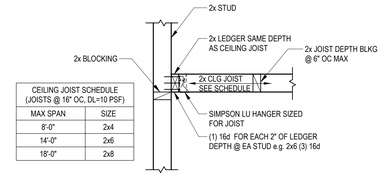




11 ANCHORAGE TO WOOD JOIST
NTS

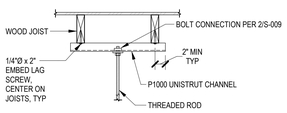


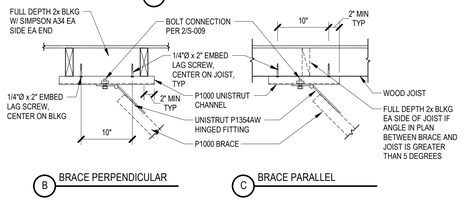
6 I-JOISTS CROSS-BRACING
NTS

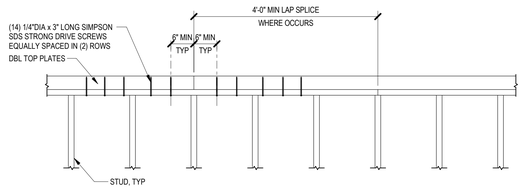


CEILING JOIST SCHEDULE (JOISTS @ 16" OC, DL=10 PSF)	
MAX SPAN	SIZE
8'-0"	2x4
14'-0"	2x6
18'-0"	2x8

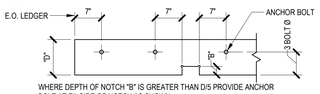
2 TYPICAL CEILING JOISTS FRAMING DETAIL
NTS 042200-0100

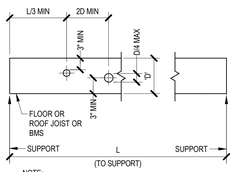


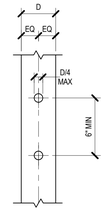


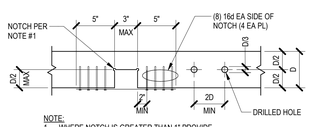


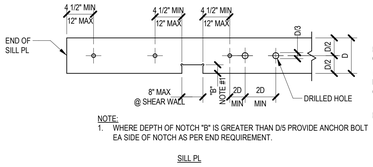
19 TOP PLATE SPLICE DOUBLE SHEARWALL
NTS



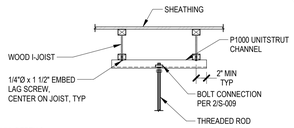


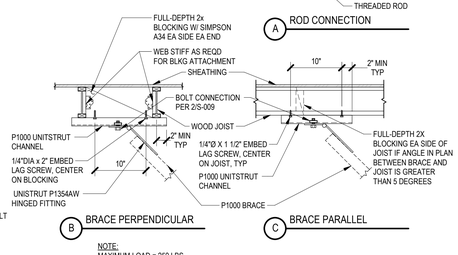






20 HOLES AND NOTCHING IN WOOD FRAMING
NTS DET-006_B1





NOTE:
MAXIMUM LOAD = 250 LBS

12 CONNECTION TO WOOD I-JOISTS
1" = 1'-0"

7 CONNECTION TO WOOD STUD JOISTS
NTS DET29

Inglewood Unified School District
401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy
11710 S Cherry Ave,
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2023-IU002-002

TYPICAL WOOD FRAMING DETAILS

S-007

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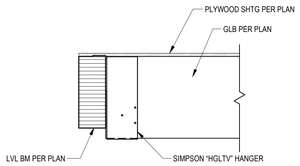
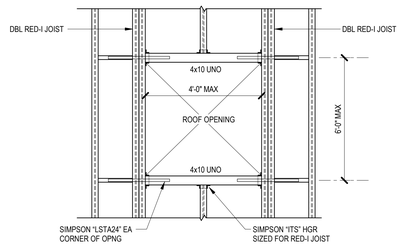
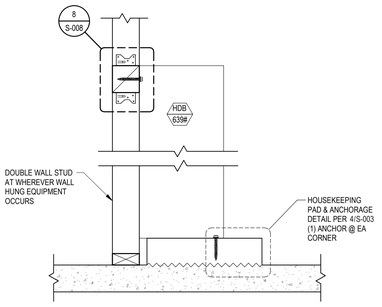


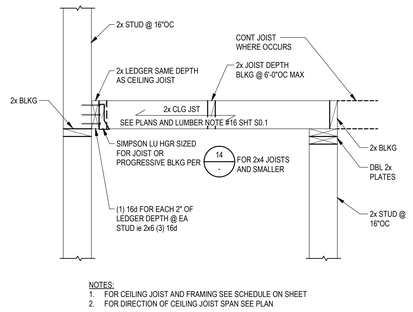
17 GLB TO LVL BEAM CONNECTION
1" = 1'-0"



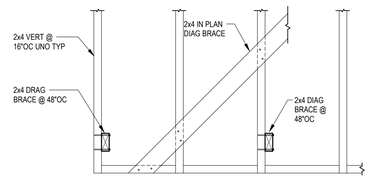
13 JOIST FRAMING AT ROOF OPENING
NTS

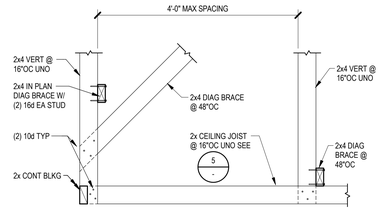


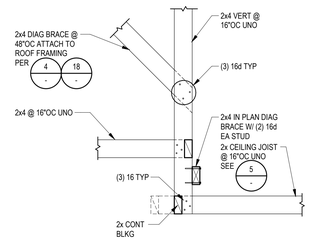
9 HDB PANEL TO WALL AND CONCRETE ATTACHMENT
1 1/2" = 1'-0"

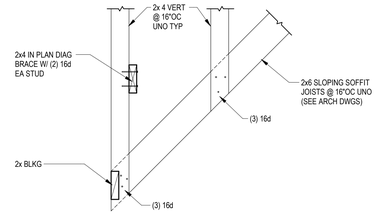


5 TYPICAL CEILING JOISTS FRAMING DETAIL



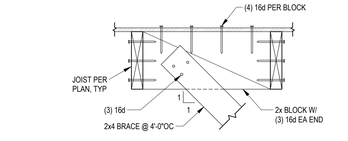




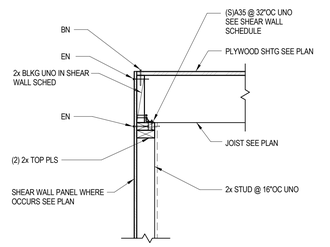


NOTE:
ALL 2x4 VERTICAL HANGERS SHALL BE ATTACHED TO ROOF ABOVE PER 4 5 6 18

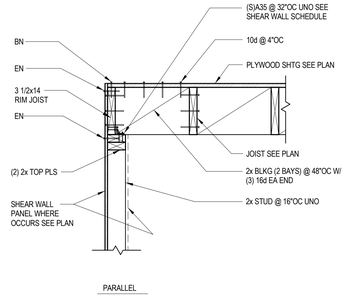
3 TYPICAL SOFFIT FRAMING



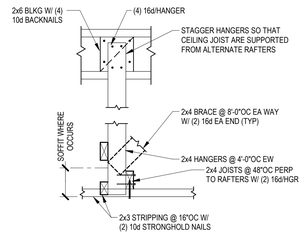
18 TYPICAL WALL BRACE TO WOOD JOIST
1 1/2" = 1'-0"



NOTE:
WHERE SHEAR WALL PANEL OCCURS, SEE SHEAR WALL SCHEDULE FOR ALL THE INFORMATION NOT INDICATED

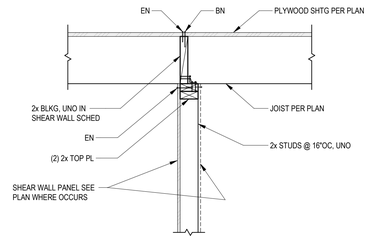


14 TYPICAL EXTERIOR STUD WALL
NTS

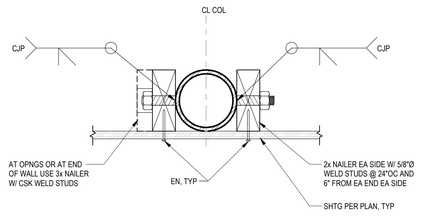


WOOD HANGER TO TJI

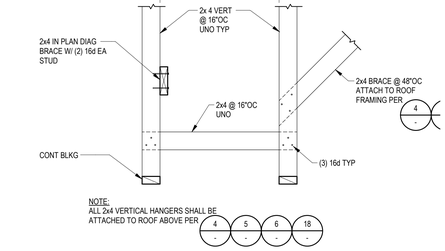
6 TYPICAL SUSPENDED CEILING DETAIL AT PWJ FRAMING



11 TYPICAL INTERIOR STUD WALL PERPENDICULAR TO JOIST DETAIL
NTS

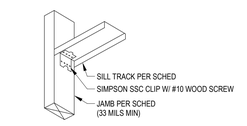


7 BOLTED WOOD NAILER @ STEEL COL
3" = 1'-0"

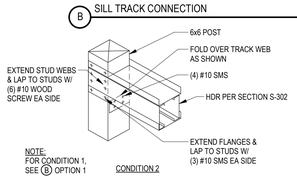


NOTE:
ALL 2x4 VERTICAL HANGERS SHALL BE ATTACHED TO ROOF ABOVE PER 4 5 6 18

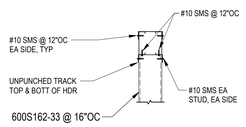
4 TYPICAL WALL BRACE TO PWJ DETAIL



B SILL TRACK CONNECTION

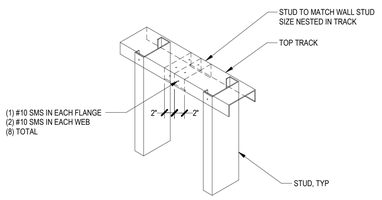


C HEADER CONNECTION

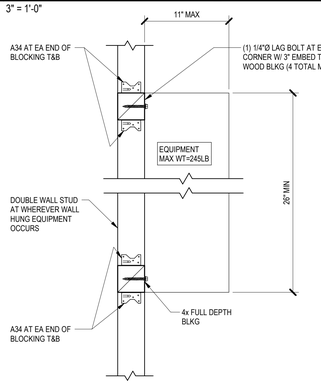


D HEADER

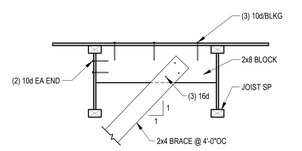
20 ROOF SCREEN WALL CONNECTION
3/4" = 1'-0"



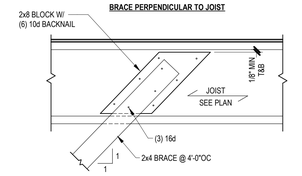
12 TOP TRACK SPLICE
NTS



8 WALL HUNG EQUIPMENT
1 1/2" = 1'-0"



BRACE PERPENDICULAR TO JOIST



BRACE PARALLEL TO JOIST

4 TYPICAL WALL BRACE TO PWJ DETAIL

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TYPICAL WOOD FRAMING DETAILS

S-008

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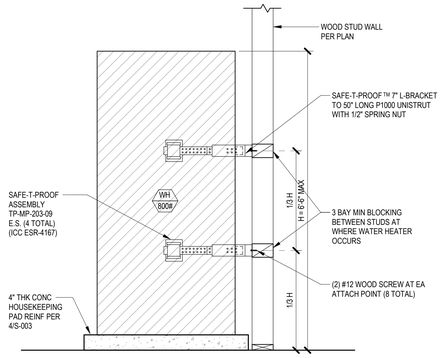
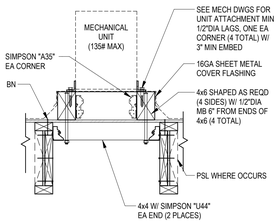
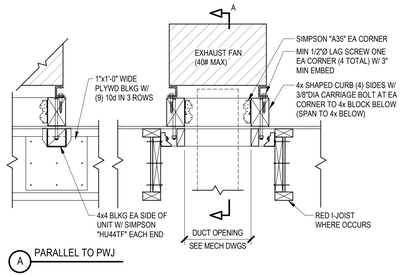


5 WATER HEATER DETAIL
3/4" = 1'-0"

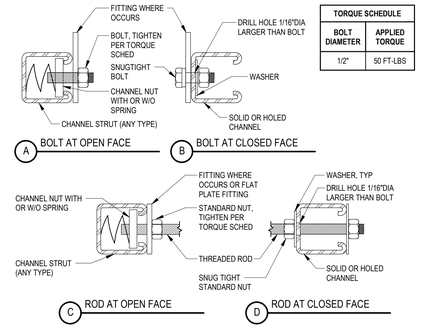


14 TYPICAL CONDENSING UNIT PLATFORM
1" = 1'-0"



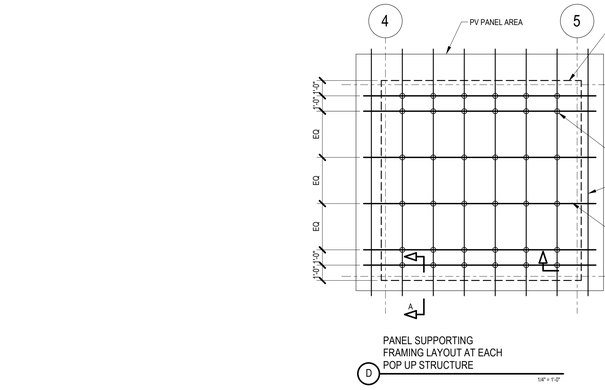
A PARALLEL TO PWJ

10 EXHAUST FAN FRAMING AT WOOD ROOF CONSTRUCTION
1" = 1'-0"

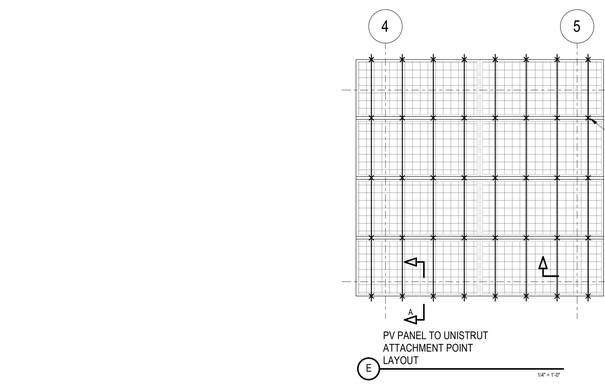


TORQUE SCHEDULE	
BOLT DIAMETER	APPLIED TORQUE
1/2"	50 FT-LBS

2 BOLT / THREADED ROD CONNECTIONS
1" = 1'-0"

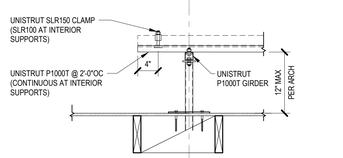


PANEL SUPPORTING
FRAMING LAYOUT AT EACH
POP UP STRUCTURE
D 1/4" = 1'-0"

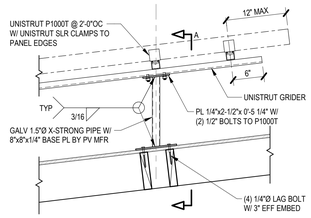


PV PANEL TO UNISTRUT
ATTACHMENT POINT
LAYOUT
E 1/4" = 1'-0"

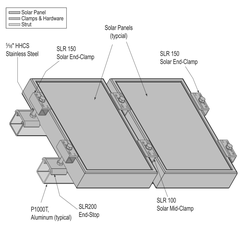
16 TYPICAL PV ATTACHEMENT
AS NOTED



A DETAIL
1" = 1'-0"

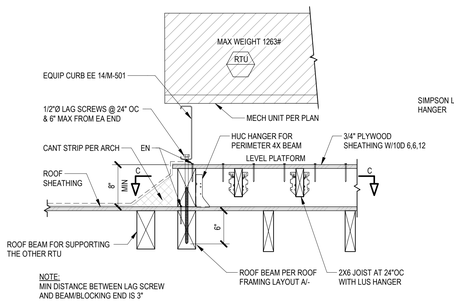


B DETAIL
1" = 1'-0"

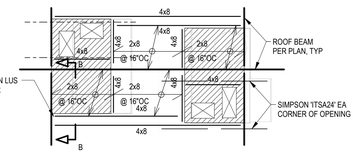


3D VIEW FOR PV PANEL TO
UNISTRUT ATTACH WITH
CLAMP
C NTS

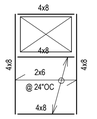
8 RTU UNIT FRAMING AND ATTACHMENT DETAIL
1" = 1'-0"



B ANCHORAGE ATTACHMENT DETAIL



A ROOF FRAMING LAYOUT PLAN



C LEVEL PLATFROM LAYOUT FOR SINGLE RTU

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TYPICAL WOOD FRAMING DETAILS

S-009

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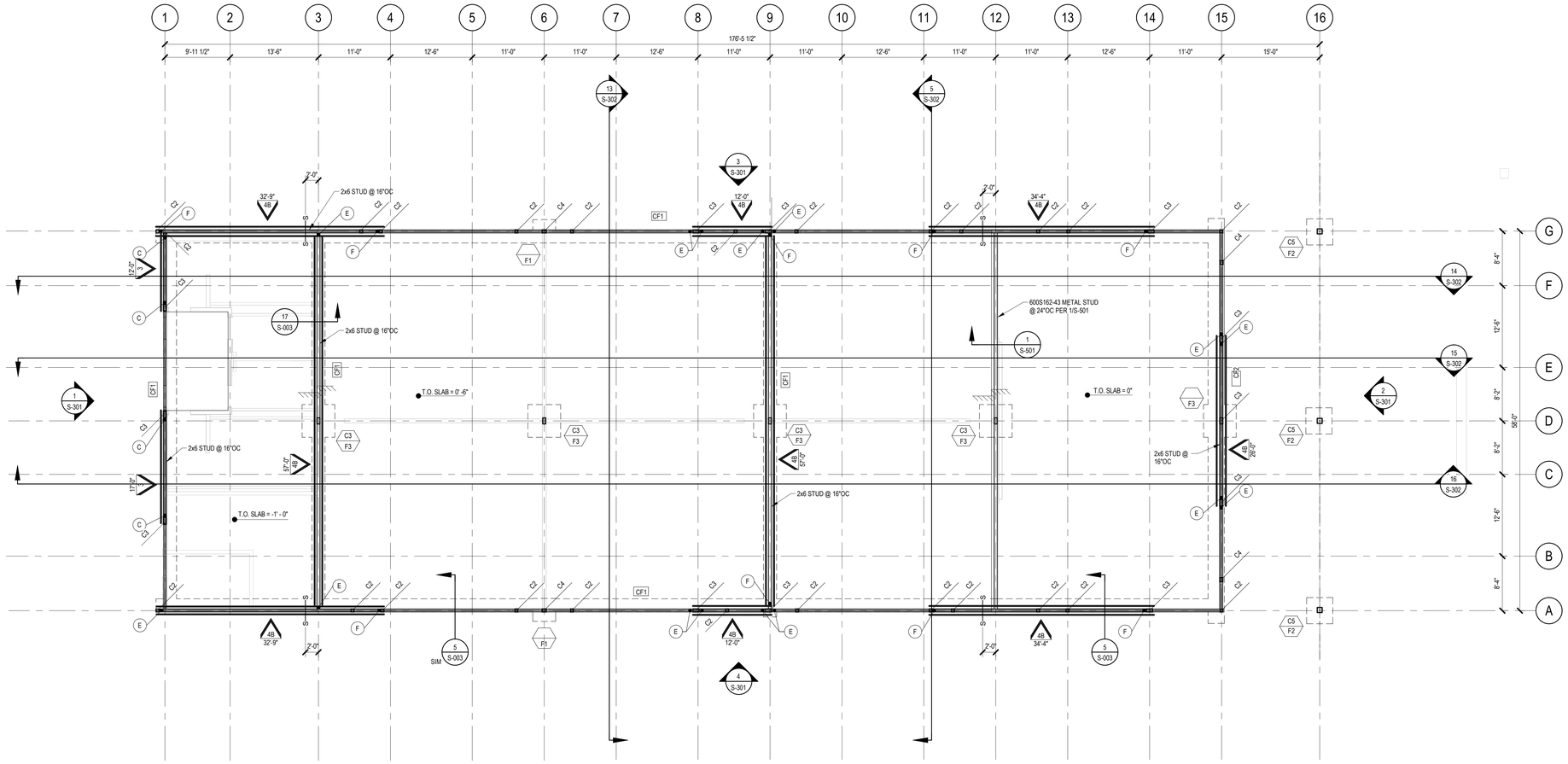


1 FOUNDATION PLAN

1/8" = 1'-0"

NOTES:

1. ELEVATION OF FINISH FLOOR = SEE CIVIL (DATUM LEVEL =+0'-0"
2. TOP OF FOOTING = SEE DETAILS 1'-0" BELOW TOP OF SLAB (UNO).
3. SEE GEOTECHNICAL REPORT FOR ALL SITE AND SUBGRADE PREPARATION.
4. ALL INTERIOR SLABS ARE 5" THICK (UNO) REINFORCED WITH #4 @ 16"OC @ MID-DEPTH OF SLAB, OVER 15 MIL (MIN) VAPOR BARRIER OVER 4" CRUSHED ROCK FILL, OVER PREPARED BUILDING PER GEOTECHNICAL ENGINEER.
5. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLAB, BASES, CURBS, SITE WALLS, ETC.
6. SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
7. CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO PLACING CONCRETE.
8. SEE PLAN FOR CONCRETE PADS AND CURBS ABOVE STRUCTURAL SLAB. SEE TYPICAL PAD AND CURBS DETAILS UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND HEIGHT FOR ALL PADS AND CURBS. (PAD ARE 6" HIGH MAX).
9. SEE ARCHITECTURAL PLANS FOR DIMENSION NOT SHOWN.
10. FOR TYPICAL DETAILS, SEE S-003 THROUGH S-009 SHEETS. DETAILS AND SCHEDULES INDICATED AS "TYPICAL" MAY NOT BE SPECIFICALLY REFERENCED ON THE DRAWINGS. CONTRACTOR TO DETERMINE WHERE EACH TYPICAL DETAIL OR SCHEDULE APPLIES BEFORE PROCEEDING WITH WORK.
11. FOR GENERAL NOTES AND TYPICAL SYMBOL DESCRIPTIONS, SEE S-001 AND S-002.
12. FOR STUD AND SPACING, SEE TYPICAL STUD WALL SCHEDULE, SHEET 18/S-007
13. VERTICAL PIPE THRU FOOTING PER DETAIL 13/S-004

LEGEND:

- F-# — INDICATES PAD FOOTING TYPE PER SCHEDULE
- TOF -X'-X" — INDICATES TOP OF FOOTING (TOF) ELEVATION
- 4x4 — INDICATES WOOD POST
- X — INDICATES HOLDOWN TYPE PER SCHEDULE
- X — INDICATES DOUBLE HOLDOWN TYPE PER SCHEDULE
- X HSS XXX — INDICATES HSS HOLDOWN POST. SEE HOLDOWN SCHEDULE
- INDICATES CHANGE IN ELEVATION, SEE 14/S-003
- S —— S STEP FOOTING, SEE 3/S-004
- SW X'-X" — INDICATES SHEARWALL TYPE PER SCHEDULE; INDICATES MINIMUM LENGTH REQUIRED (SEE ARCH DRAWINGS FOR DIMENSIONS)
- INDICATES CONCRETE CURB

COLUMN SCHEDULE

MARK	SIZE	BASE
C2	6x6 DF-L #1	<varies>
C3	6x12 DF-L #1	<varies>
C4	6x8 DF-L#1	SIMPSON ABU POST BASE, PER 2/S-003
C5	10x10 DF-L #1	EXTERIOR BASE PER 8/S-501

FOOTING SCHEDULE

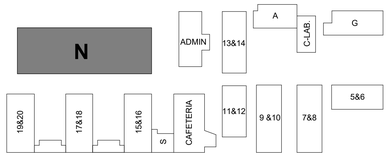
MARK	LENGTH	WIDTH	DEPTH	REINFORCING
F1	3' - 6"	3' - 6"	2' - 0"	(4) #6 T&B
F2	4' - 0"	4' - 0"	2' - 0"	(6) #6 T&B
F3	5' - 0"	5' - 0"	2' - 0"	(7) #6 T&B

CONTINOUS FOOTING SCHEDULE

MARK	DEPTH BELOW LOWEST ADJACENT FINISH GRADE	WIDTH	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	REMARKS
CF-1	24"	24"	(4) #6 T&B	#4 @ 9" OC	
CF-2	30"	24"	(6)#9 T&B	#4 @ 9" OC	

north

KEY PLAN



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NEW CLASSROOM BUILDING FOUNDATION PLAN S-101

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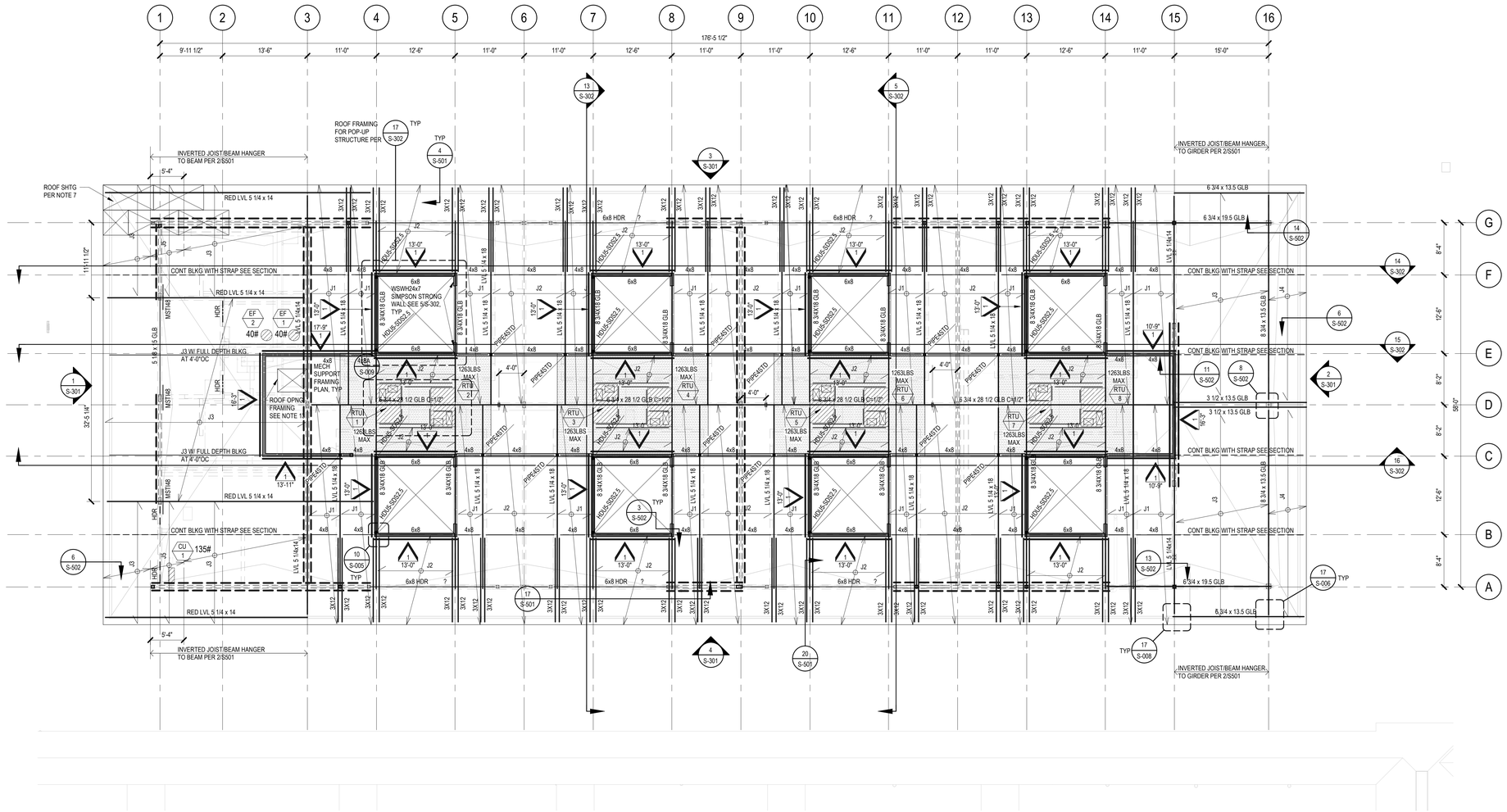


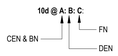
1 ROOF FRAMING PLAN

1/8" = 1'-0"

north

NOTES:

1. FOR GENERAL NOTES AND TYPICAL SYMBOL DESCRIPTIONS, SEE S-001 AND S-002.
2. FOR TYPICAL DETAILS SEE S-003 THROUGH S-008 SHEETS. DETAILS AND SCHEDULES INDICATED AS "TYPICAL" MAY NOT BE SPECIFICALLY REFERENCED ON THE DRAWINGS. CONTRACTOR TO DETERMINE WHERE EACH TYPICAL DETAIL OR SCHEDULE APPLIES BEFORE PROCEEDING WITH WORK.
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL, MEP, LANDSCAPE, CIVIL DRAWINGS PRIOR TO START OF WORK.
4. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE SLAB ELEVATIONS, DEPRESSIONS, SLOPES, RAMP, OPENINGS, CURBS, DRAINS, TRENCHES, SLAB EDGE LOCATIONS, ETC, AND FOR WALL OVERALL DIMENSIONS, LOCATIONS OF WALL OPENING, ETC, NOT INDICATED ON STRUCTURAL DRAWINGS.
5. STUD WALL FRAMING SHALL BE PER THE TYPICAL STUD WALL SCHEDULE ON S-600, UNO.
6. HOLD DOWN CONNECTORS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO ENCLOSURE.
7. ROOF SHEATHING SHALL BE 5/8" APA RATED 40/20 PLYWOOD. MINIMUM DIAPHRAGM NAILING SHALL BE (UNO, SEE PLAN):



A. CONTINUOUS EDGE NAILING (CEN), & BOUNDARY NAILING (BN) 10d @ 2.5"OC.
B. ALL OTHER EDGE NAILING (DEN) 10d @ 4"OC.
C. FILED NAILING (FN) 10d @ 12"OC.
D. BLOCK ALL EDGES.

8. ROOF DIAPHRAGM NAILING TO BE INSPECTED PRIOR TO COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.8 (1).
9. PROVIDE WALL SHEATHING PER SHEARWALL TYPE "SWX" ON TYPICAL SHEARWALL SCHEDULE ON SHEET S-006.
10. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
11. I-JOISTS CROSS-BRIDGING AND BRACING INCLUDING BOTTOM FLANGE BRACING ARE PER MANUFACTURER RECOMMENDATIONS/SHOP DRAWINGS.
12. DOUBLE WALL STUD SUPPORTING AT WHEREVER BEAM OCCURS UNO.
13. ROOF OPENING DETAIL SEE 13/S-008, 4/S-006.
14. GLB TO GLB CONNECTION PER17/S-006, GLB TO LVL BEAM CONNECTION PER 17/S-008.

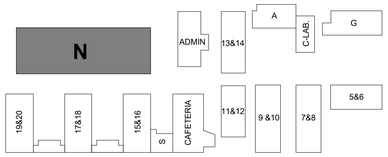
LEGEND:

- XX / XX LBS MAX — INDICATES MECHANICAL EQUIPMENT AND IT IS MAXIMUM WEIGHT, SEE MECHANICAL PLANS
- C="x" — INDICATES TOTAL UPWARD CAMBER AT MIDSPAN OF MEMBER UNO
- SW1 / X'-X" — INDICATES SHEARWALL TYPE PER SCHEDULE; INDICATES MINIMUM LENGTH REQUIRED (SEE ARCH DRAWINGS FOR DIMENSIONS)
- ROOF HATCH INDICATES AREAS THAT ANOTHER LAYER OF 5/8" THICK STRUT I PLYWOOD SHEATHING ON TOP OF ROOF SHEATHING
- INDICATES SHEARWALL BELOW
- INDICATES BEARING WALL BELOW
- INDICATES STRAP
- INDICATES BEAM
- HDR — INDICATES HEADER
- INDICATES COLUMNS BELOW
- INDICATES JOIST SPAN LENGTH AND ORIENTATION
- XX / XX LBS MAX — INDICATES MECHANICAL EQUIPMENT AND IT IS MAXIMUM WEIGHT, SEE MECHANICAL PLANS ANCHORAGE ATTACHMENT SEE SHEET S-009

JOIST SCHEDULE

MARK	SIZE	HANGER
J1	2x6 DF#1 JOIST @ 16"OC	SIMPSON LUS
J2	2x8 DF#1 JOIST @ 16"OC	SIMPSON LUS
J3	14" DEEP I55 I JOIST @ 16"OC	ITS 2.56/14
J4	14" DEEP I90 I JOIST @ 12"OC	ITS 3.56/14
J5	DBL 14" DEEP I90 I JOIST @12" OC	BA7.12/14

KEY PLAN



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2023-IU002-002

NEW CLASSROOM BUILDING ROOF FRAMING PLAN

S-102

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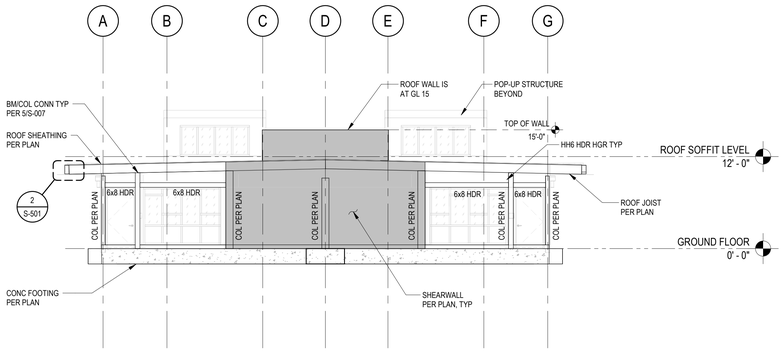
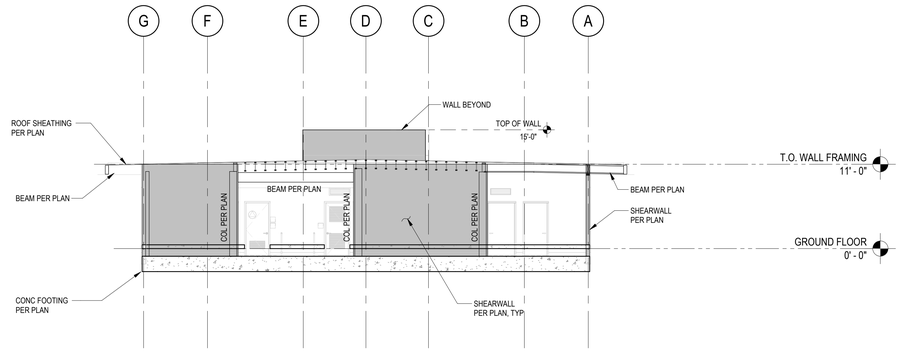
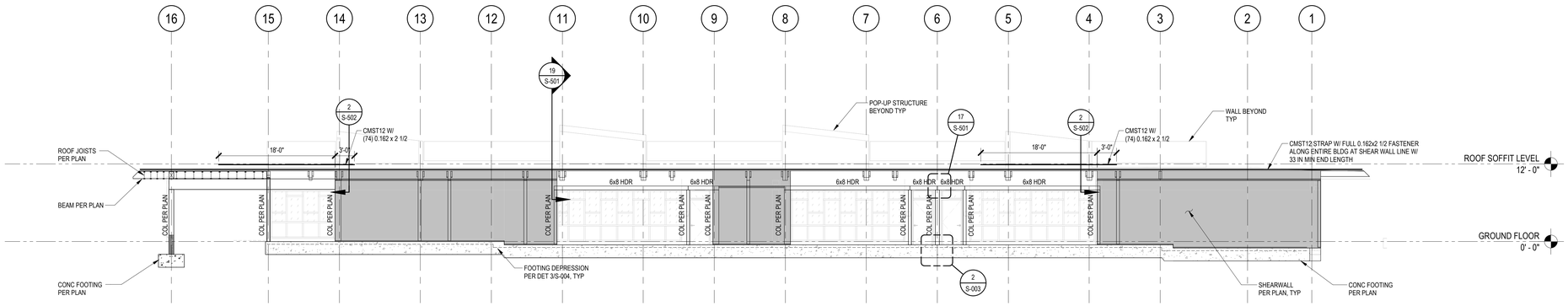


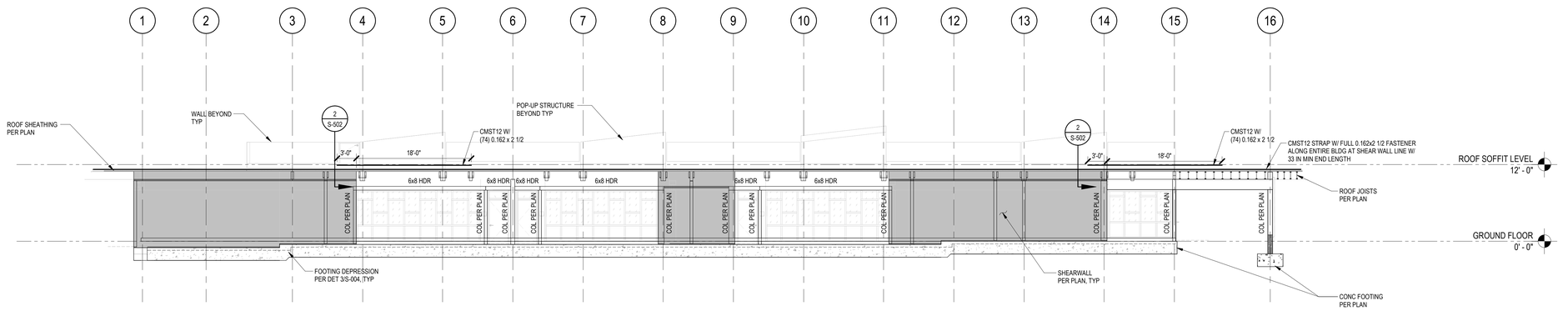
2 ELEVATION ALONG GRID LINE 15
1/8" = 1'-0"



1 ELEVATION ALONG GRID LINE 1
1/8" = 1'-0"



3 ELEVATION ALONG GRID LINE G
1/8" = 1'-0"



4 ELEVATION ALONG GRID LINE A
1/8" = 1'-0"

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401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave,
Inglewood, CA 90303

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1	11/5/2024	DSA SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER KENNETH M. KOO STRUCTURAL Exp. 09/30/25 STATE OF CALIFORNIA
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BUILDING ELEVATIONS

S-301

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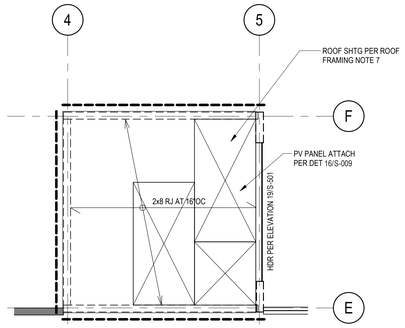
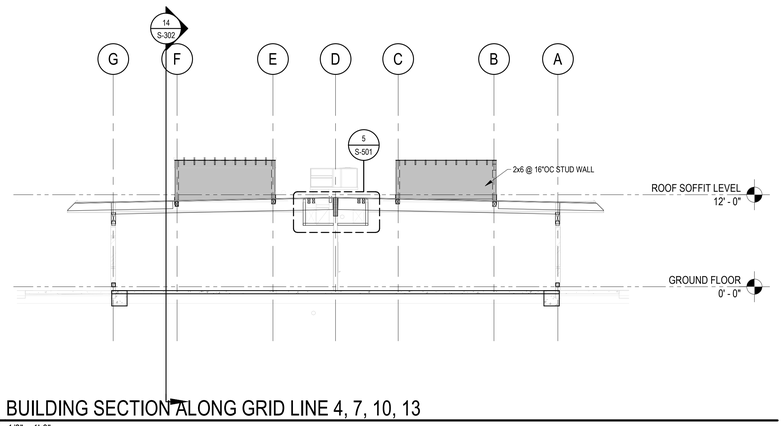
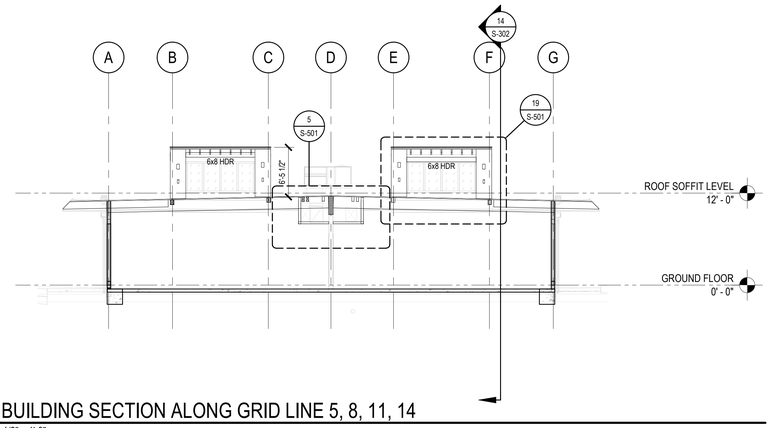


17 POP-UP STRUCTURAL ROOF FRAMING PLAN
1/4" = 1'-0"

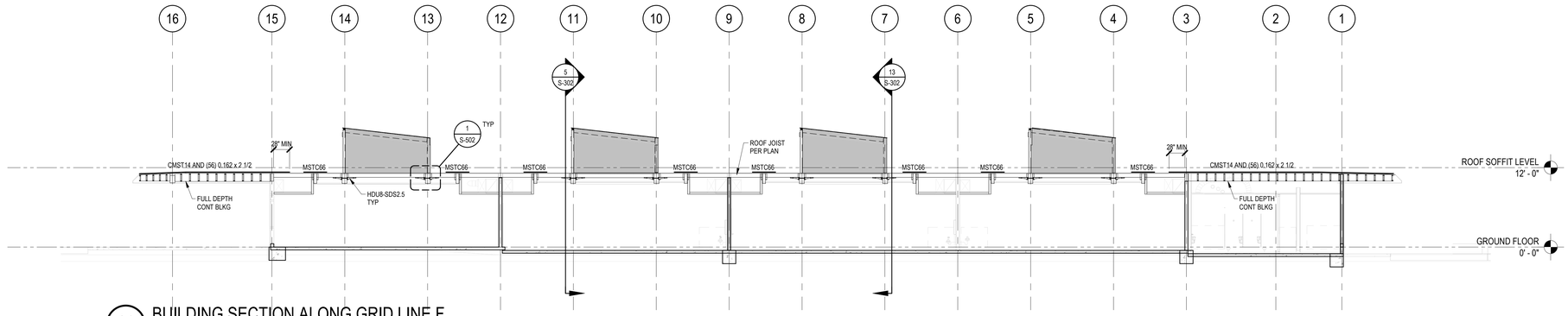
north



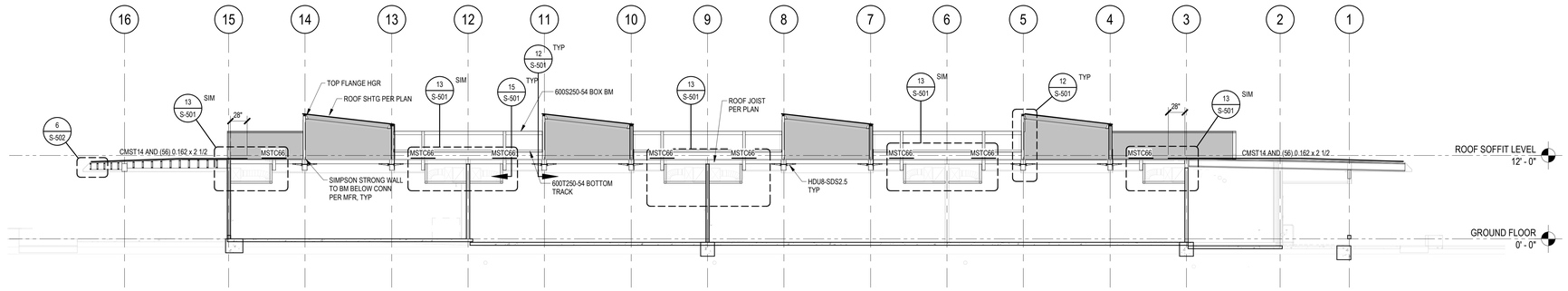
13 BUILDING SECTION ALONG GRID LINE 4, 7, 10, 13
1/8" = 1'-0"



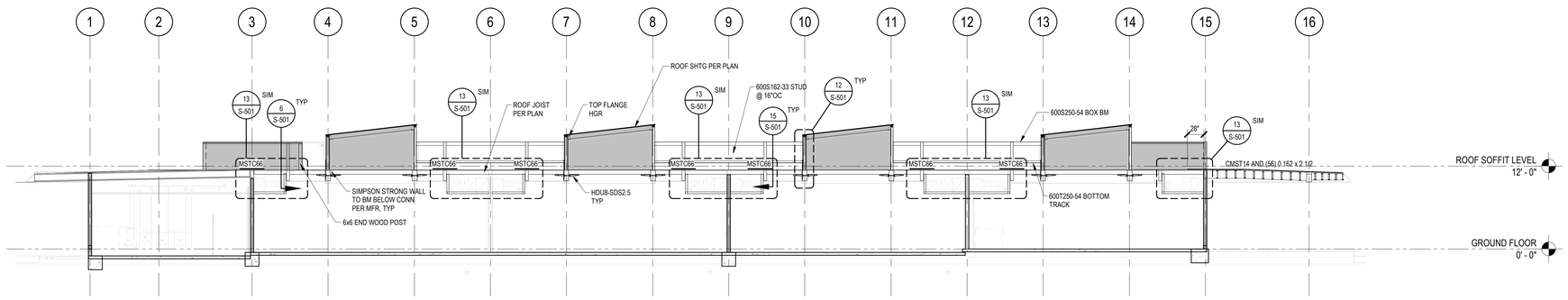
5 BUILDING SECTION ALONG GRID LINE 5, 8, 11, 14
1/8" = 1'-0"



14 BUILDING SECTION ALONG GRID LINE F
1/8" = 1'-0"



15 BUILDING SECTION ALONG GRID LINE E
1/8" = 1'-0"



16 BUILDING SECTION ALONG GRID LINE C
1/8" = 1'-0"

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BUILDING SECTIONS & ENLARGED POP-UP PLAN

S-302

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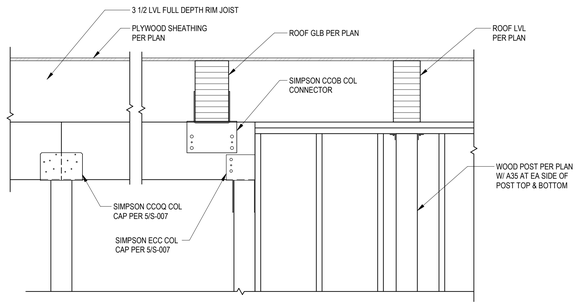
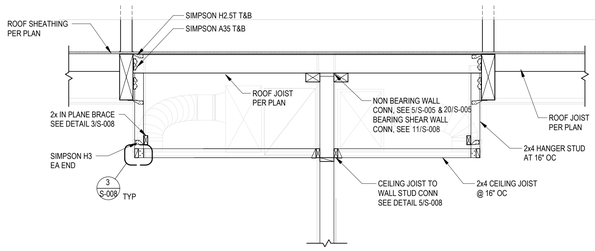
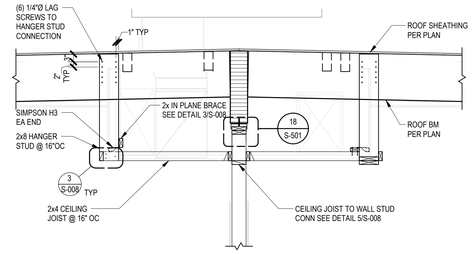


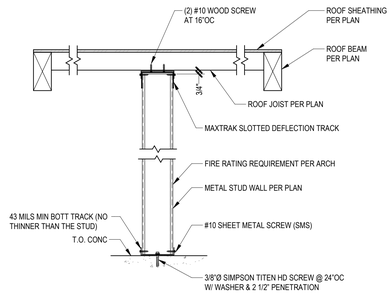
17 HEADER DETAIL
3/4" = 1'-0"



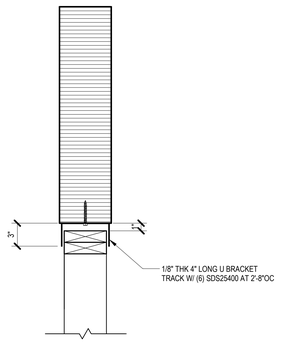
13 SOFFIT DETAIL
1/2" = 1'-0"



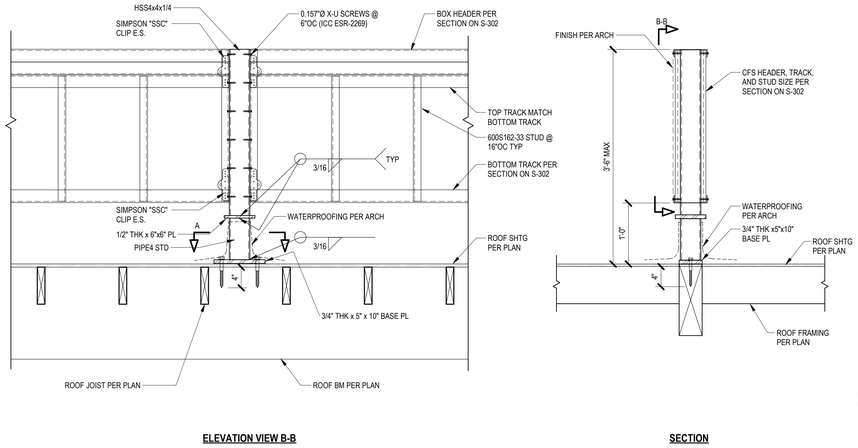
5 SOFFIT DETAIL
1/2" = 1'-0"



1 NON BEARING METAL STUD WALL
1" = 1'-0"

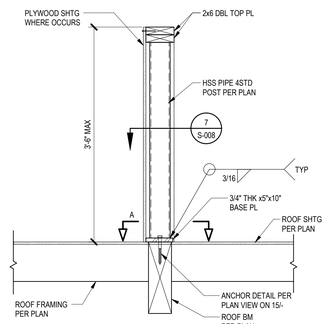


18 WOOD NON-BEARING WALL UNDER GLB CONCRETE ATTACHMENT
1 1/2" = 1'-0"

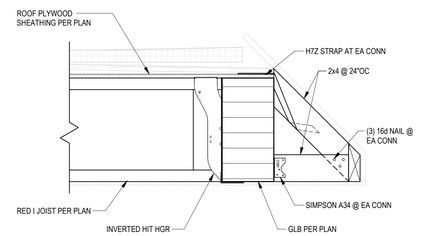


ELEVATION VIEW B-B

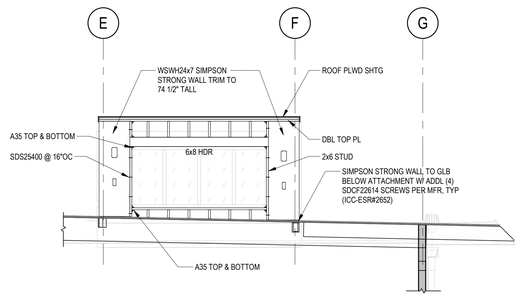
SECTION



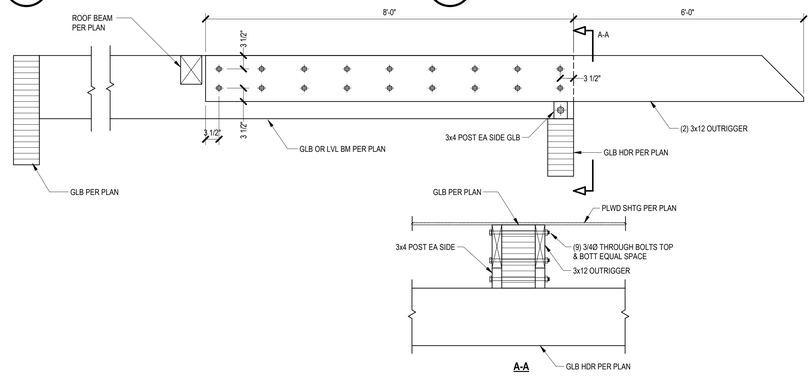
6 STEEL POST IN WOOD SCREEN WALL
1" = 1'-0"



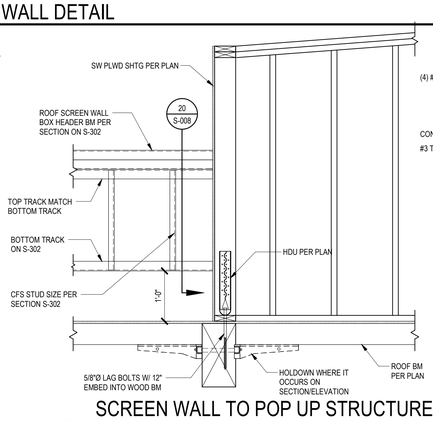
2 GLB BEAM TO I JOIST WITH INVERTED HANGER
1 1/2" = 1'-0"



19 SECTION
1/4" = 1'-0"

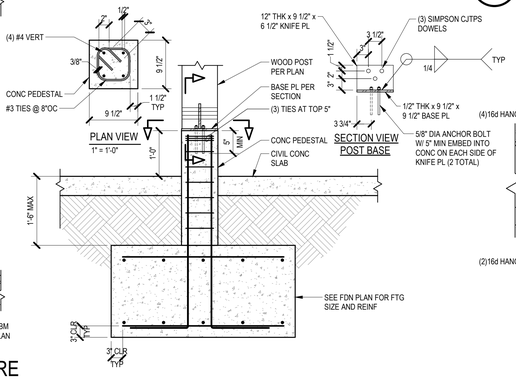


20 OUTRIGGER DETAIL
3/4" = 1'-0"

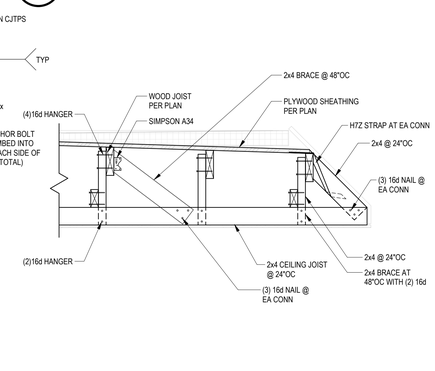


15 STEEL POST IN METAL STUD SCREEN WALL DETAIL
1" = 1'-0"

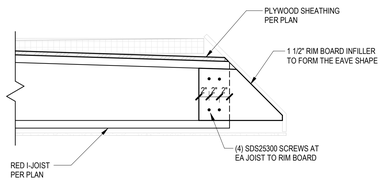
SCREEN WALL TO POP UP STRUCTURE CORNER COL CONN
3/4" = 1'-0"



8 WOOD POST TO PAD FTG AT OVERHANG
3/4" = 1'-0"



3 EAVE DETAIL
1" = 1'-0"



4 EAVE DETAIL
1" = 1'-0"

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WOOD FRAMING DETAILS

S-501

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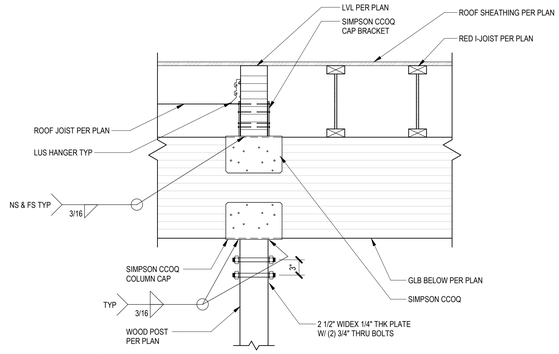
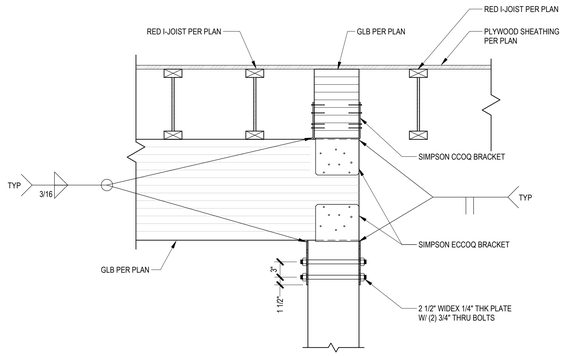
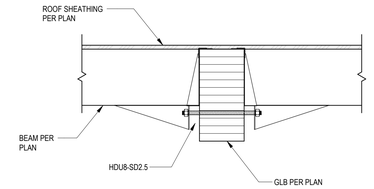


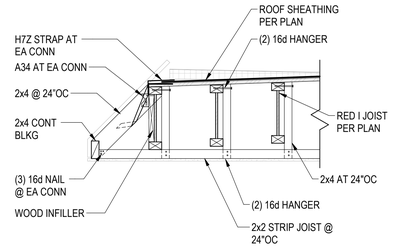
13 DETAIL
1" = 1'-0"



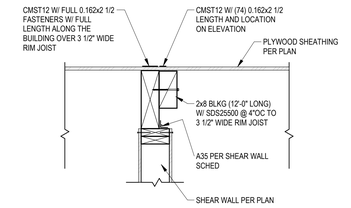
14 DETAIL
1" = 1'-0"



1 DRAG DETAIL
1" = 1'-0"



6 DETAIL
1" = 1'-0"



2 DRAG DETAIL
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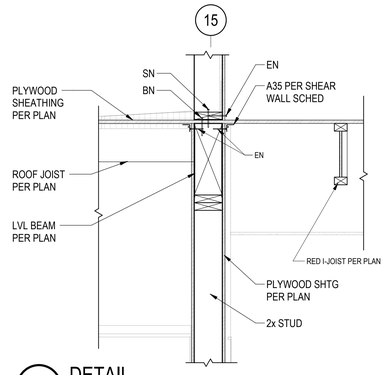
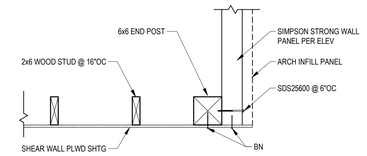
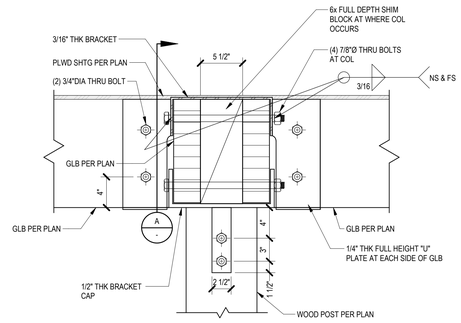


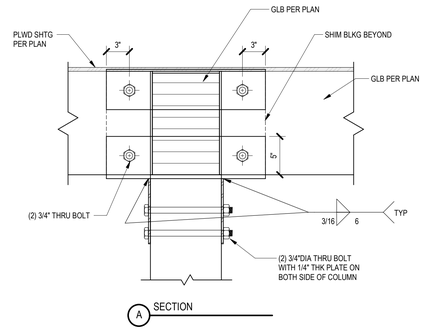
11 DETAIL
1" = 1'-0"



3 SW END POST TO SIMPSON STRONGWALL CONNECTION
1" = 1'-0"



8 EXTERIOR COLUMN CAP
1 1/2" = 1'-0"



A SECTION

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FRAMING DETAILS

S-502

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NOTES - CAST IN PLACE CONCRETE

GENERAL NOTES: CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.
2. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28-DAY (f'c), UNLESS NOTED OTHERWISE:

CONTINUOUS FOOTINGS	3,000 PSI	NORMAL WEIGHT
SPREAD FOOTINGS	3,000 PSI	NORMAL WEIGHT
SLABS-ON-GRADE	3,000 PSI	NORMAL WEIGHT
ALL OTHER CONCRETE	3,000 PSI	NORMAL WEIGHT

3. UNLESS NOTED OTHERWISE HEREIN, CONCRETE IS ASSIGNED TO EXPOSURE CLASSES F0, S0, W0, AND C0, AS DEFINED IN TABLE 19.3.11 OF ACI 318-14.
   A. PER SOIL REPORT RECOMENDATION TYPE PORTLAND II CEMENT WITH WATER CEMENT RATIO NOT EXCEEDING 0.5 SHALL BE USED.
4. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
5. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. NORMAL WEIGHT CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 145±3 PCF.
6. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL BE EXPANDED SHALL CONFORMING TO ASTM C330. PRESIZE AGGREGATE BEFORE FIRING TO ALLOW OUTER CERAMIC SHELL TO REMAIN INTACT. LIGHTWEIGHT CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 110±3 PCF AND AIR CONTENT OF 4.5±1.5 PERCENT AS MEASURED BY THE VOLUMETRIC METHOD DESCRIBED IN ASTM C173.
7. MAXIMUM AGGREGATE SIZE SHALL BE 1-1/2 INCHES FOR FOUNDATIONS AND 1 INCH ELSEWHERE, BUT NO LARGER THAN (A) 1/5 THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, (B) 1/3 THE DEPTH OF SLABS, OR (C) 3/4 THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR WIRES, BUNDLES OF BARS, INDIVDUAL TENDONS, BUNDLED TENDONS, OR DUCTS. SMALLER AGGREGATE SIZES MAY BE ALLOWED WITH THE APPROVAL OF THE ARCHITECT (STRUCTURAL ENGINEER).
8. MAXIMUM SLUMP SHALL BE 5 INCHES TYPICALLY AND 4 INCHES IN FLATWORK, UNLESS A HIGH-RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER) IS USED IN THE CONCRETE MIX PROPORTIONS.
9. CONCRETE SHRINKAGE SHALL BE LIMITED TO 0.05 PERCENT AS DETERMINED BY ASTM C157.
10. WATER CEMENT RATIO SHALL NOT EXCEED 0.45 FOR ALL FLATWORK THAT RECEIVES A MOISTURE SENSITIVE ADHESIVE TO AFFIX FLOOR FINISHES AND 0.50 ELSEWHERE. EXCEPTION: FOR CONCRETE ON METAL DECK, A WATER CEMENT RATIO OF 0.50 MAY BE USED FOR CONCRETE PLACED ON VENTED METAL DECKS. WATER CEMENT RATIO FOR CONCRETE IN EXPOSURE CLASS S2 SHALL NOT EXCEED 0.45.
11. CONCRETE MIX PROPORTIONING SHALL BE BASED ON FIELD EXPERIENCE AND/OR TRIAL MIXTURES AS STIPULATED IN CBC SECTION 1903A. SUBMIT CONCRETE MIX PROPORTIONING DATA, INCLUDING HISTORICAL STRENGTH RECORDS AND/OR RESULTS OF TRIAL MIXTURES, FOR EACH TYPE AND COMPRESSIVE STRENGTH OF CONCRETE. CONCRETE MIX PROPORTIONING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND SHALL BE SUBMITTED TO THE ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND APPROVAL.
12. FOR CONCRETE SLABS-ON-GRADE PLACED DIRECTLY ON VAPOR RETARDER:
    A. CONCRETE MIXTURE:
1. USE INCREASED SIZE OF MAXIMUM-SIZE COARSE AGGREGATE AND COARSER SAND.
2. COARSE AGGREGATE TO BE WELL GRADED WITH MINIMUM FLAT OR ELONGATED PARTICLES.
3. REDUCE SAND CONTENT TO LOWEST LEVEL CONSISTENT WITH ADEQUATE WORKABILITY.
4. USE HIGH-RANGE WATER-REDUCING ADMIXTURE WITH GOOD SHRINKAGE-REDUCTION CHARACTERISTICS.

    B. FINISHING AND CURING:
1. USE PROPER FINISHING TECHNIQUES AND PROPER TIMING BETWEEN FINISHING OPERATIONS TO AVOID BLISTERING AND DELAMINATION.
2. USE CONTINUOUS MOIST CURE OR HIGH-SOLIDS CURING COMPOUND.
3. CONCRETE MIXING SHALL CONFORM TO ASTM C94.
4. THE MAXIMUM SIZE OF A SINGLE POUR FOR ELEVATED SLABS SHALL NOT EXCEED 25,000 SQUARE FEET AND THE LENGTH TO WIDTH RATIO OF THE POUR SHALL NOT EXCEED 2 WITHOUT THE APPROVAL OF THE ARCHITECT (STRUCTURAL EINGINEER).
15. SUBMIT SHOP DRAWINGS INDICATING LOCATIONS OF CONCRETE CONSTRUCTION JOINTS TO THE ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND APPROVAL PRIOR TO PLACING CONCRETE. LOCATE CONSTRUCTION JOINTS TO MINIMIZE EFFECTS OF SHRINKAGE AND AT POINTS OF LOW STRESS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED IN BEAMS AND SLABS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED BY THE ARCHITECT (STRUCTURAL ENGINEER) & DSA PRIOR TO CONSTRUCTION.
16. THE OUTSIDE DIAMETER OF CONDUITS AND PIPES EMBEDDED IN WALLS AND SLABS SHALL NOT EXCEED 1/3 THE OVERALL THICKNESS OF SLAB OR WALL IN WHICH THEY ARE EMBEDDED. LOCATE CONDUITS AND PIPES WITHIN THE MIDDLE THIRD OF SLABS OR WALLS AND NO CLOSER THAN 3 DIAMETERS ON C ENTER WITH A CLEAR SPACING NOT LESS THAN 4 INCHES. CROSSING OF ELECTRICAL CONDUIT IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT (STRUCTURAL ENGINNER).
17. PROVIDE SLEEVES FOR ELECTRICAL AND PLUMBING OPENINGS. IF CONFLICT OCCURS BETWEEN REINFORCING AND SLEEVES, REPOSITION REINFORCING OR SLEEVES OR BOTH. DO NOT CUT ANY REINFORCING. CORING IS NOT PERMITTED.
18. PRIOR TO PLACING CONCRETE, REINFORCING BARS, EMBEDDED PLATES, ANCHOR BOLTS, AND OTHER CONCRETE EMBEDMENTS SHALL BE WELL SECURED IN POSITION.
19. CONCRETE PLACEMENT SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS. INTENTIONALLY ROUGHEN ALL PREVIOUSLY HARDENED CONCRETE SURFACES TO A FULL AMPLITUDE OF 1/4-INCH AGAINST WHICH FRESH CONCRETE IS PLACE. SEE NOTE 28
20. PROVIDE KEYED CONSTRUCTION JOINT WHERE INDICATED ON DRAWINGS. CLEAN, REMOVE LAITANCE, THOROUGHLY WET, AND REMOVE STANDING WATER IMMEDIATELY BEFORE PLACING FRESH CONCRETE. SEE NOTE 28
21. FORMS SHALL BE CONSTRUCTED TO PROVIDE CAMBER AS SPECIFIED ON THE DRAWINGS. CONCRETE SLAB THICKNESS SHALL BE MAINTAINED.
22. FORM EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS WITH A 3/4-INCH CHAMFER, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
23. AT LEAST TWO HOURS MUST ELAPSE BETWEEN THE END OF COLUMN OR WALL PLACEMENT AND THE BEGINNING OF SLAB PLACEMENT.
24. CONC. SHALL BE MAINTAINED ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER).
25. CURING COMPOUNDS, SEALERS, HARDENERS, ETC., USED ON CONCRETE THAT RECEIVES A FINISH SHALL BE APPROVED BY THE ARCHITECT BEFORE USE.
26. GROUT SHALL BE NON-SHRINK, NON-METALLIC, SHALL NOT CONTAIN CHLORIDES, AND SHALL ATTAIN A 28- DAY COMPRESSIVE STRENGTH OF 6,000 PSI.
27. LEAN CONCRETE SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. USE ONLY WHERE SPECIFICALLY INDICATED.
28. THE SURFACE OF ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX.
    IN THE EVENT THAT THE CONTACT SURFACE BECOMES COATED WITH EARTH, SAWDUST, ETC., AFTER BEING CLEANED, THE ENTIRE SURFACE SO COATED SHALL BE RECLEANED. CONSTRUCTION JOINT SHALL FOLLOW THE RECOMMENDATIONS OF ACI 318-14.26.5.6.

GENERAL NOTES

1. THE CONSTRUCTION CONTRACT IS FOR A COMPLETE AND FULLY FUNCTIONING INSTALLATION. THESE DOCUMENTS DESCRIBE THE DESIGN INTENT AND SPECIFIC REQUIREMENTS OF THE INSTALLATION. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. THESE DOCUMENTS ARE NOT MEANT TO SHOW EVERY ITEM REQUIRED TO CONSTRUCT THE WORK. ITEMS SUCH AS, BUT NOT LIMITED TO: FASTENERS, CONNECTORS, FILLERS, MISCELLANEOUS CLOSURE ELEMENTS, ANCILLARY CONTROL WIRING AND POWER WHERE REQUIRED FOR THE CONTROL OR OPERATION OF THE PROVIDED EQUIPMENT, ETC. ARE NOT ALWAYS SHOWN BUT ARE CONSIDERED TO BE INCLUDED IN THE SCOPE OF THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FULLY FUNCTIONING INSTALLATION WHICH MEETS THE DESIGN INTENT, INCLUDING BUT NOT LIMITED TO THE SPECIFIC REQUIREMENTS IN THESE DOCUMENTS.
2. THESE DOCUMENTS DESCRIBE WORK UNDER A SINGLE CONSTRUCTION CONTRACT. THE USE OF SUB-CONTRACTORS IS THE ELECTION OF THE GENERAL CONTRACTOR. IT IS NOT THE INTENT OF THE DOCUMENTS TO DIVIDE THE WORK AMONG SUB-CONTRACTORS. WHERE THE DOCUMENTS IDENTIFY WORK WITH SUCH NOTES AS "NOT IN MECHANICAL WORK" OR "NOT IN ELECTRICAL WORK" OR "SEE STRUCTURAL DRAWINGS," IT MEANS THAT THE WORK IS NOT FURTHER DESCRIBED OR SPECIFIED ON THE DRAWING WHERE SUCH NOTES APPEAR. IT DOES NOT PRECLUDE THE CONTRACTOR FROM DELEGATING THE WORK TO ENTITIES OF HIS ELECTION. IN ADDITION, THE DIVISION OF THE CONTRACT DOCUMENTS INTO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL OR OTHER DESIGN DISCIPLINES IS FOR CONVENIENCE ONLY, AND IS NOT INTENDED TO DIVIDE THE WORK AMONG VARIOUS SUB-CONTRACTORS, OR IMPLY THAT ALL OF THE WORK FOR A PARTICULAR TRADE IS SHOWN ONLY IN THOSE DRAWINGS OR SPECIFICATIONS.
3. REFERENCE TO "CONTRACTOR" IN THESE DOCUMENTS SHALL BE INTERPRETED AS REFERRING TO THE GENERAL CONTRACTOR OR TO ANY SUB-CONTRACTOR TO THE GENERAL CONTRACTOR, COLLECTIVELY OR AS INDIVIDUAL ENTITIES. FURTHER, REFERENCE TO A PARTICULAR SUB-CONTRACTOR IS FOR CONVENIENCE ONLY, AND IS NOT INTENDED TO LIMIT THE SCOPE OF THE WORK TO THAT TRADE OR LIMIT THE RESPONSIBILITIES OF THE GENERAL CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES AS DEFINED BY THE OWNER/CONTRACTOR AGREEMENT.
4. THE DRAWINGS AND PROJECT MANUAL ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. PARTIAL OR OUTDATED SETS OF CONTRACT DOCUMENTS SHOULD NOT BE DISTRIBUTED OR UTILIZED.
5. WORK IS TO COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FEES FOR PERMITS PRIOR TO STARTING CONSTRUCTION. PERMITS ARE TO BE POSTED IN A CONSPICUOUS PLACE ON THE PROJECT SITE AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
7. UNLESS SPECIFICALLY NOTED AS BEING RE-USED, MATERIALS FURNISHED AT THE JOB SITE SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BE STORED AT THE SITE IN SUCH A MANNER AS TO PROTECT THEM FROM DAMAGE. ALL WORK SHALL BE BEST PRACTICE OF EACH TRADE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETELY COORDINATE WORK AS REQUIRED TO MEET THE DESIGN INTENT AS DEFINED BY THE DOCUMENTS. THE CONTRACTOR SHALL LAY OUT AND SEQUENCE THE INSTALLATION OF WORK SO THAT THE DIFFERENT SYSTEMS DO NOT OBSTRUCT INSTALLATION OF SUBSEQUENT WORK. IN GENERAL, SYSTEMS INSTALLED FIRST SHOULD BE AS HIGH AND AS TIGHT TO THE STRUCTURE AS POSSIBLE TO ALLOW SPACE FOR SYSTEMS WHICH FOLLOW.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO REVIEW DRAWINGS, PROJECT MANUAL, ADDENDA, BULLETINS, ETC., IN ORDER TO ENSURE COMPLETE COORDINATION OF WORK. FAILURE TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS BY THE GENERAL CONTRACTOR WITH THE SUB-CONTRACTORS FOR APPLICABLE PORTIONS OF THE WORK DOES NOT RELIEVE ANY PARTY FROM PROVIDING MATERIALS AND WORK REQUIRED FOR A COMPLETE INSTALLATION.
10. THE PROJECT MANUAL, WHICH INCLUDES THE GENERAL CONDITIONS, SUPPLEMENTAL CONDITIONS, AND TECHNICAL SPECIFICATIONS, AND THE DRAWINGS, ARE COMPLEMENTARY AND TOGETHER DESCRIBE THE PROJECT REQUIREMENTS. WHERE THERE ARE DISCREPANCIES BETWEEN THE PROJECT MANUAL AND THE DRAWINGS, THE CONTRACTOR SHALL ADVISE THE ARCHITECT OF SUCH AND REQUEST CLARIFICATION. IN GENERAL, THE PROJECT MANUAL TAKES PRECEDENCE OVER DRAWINGS. LARGE SCALE DETAILS TAKE PRECEDENCE OVER SMALL SCALE DETAILS.
11. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THE IMPACT OF THE PROPOSED WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS ON THESE CONDITIONS. ANY QUESTIONS REGARDING THE COORDINATION OF NEW WORK WITH EXISTING CONDITIONS MUST BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO THE BID SUBMISSION AND WITH ADEQUATE TIME FOR RESPONSE TO ALL BIDDERS. THE ARCHITECT WILL RESPOND TO TIMELY QUESTIONS WITH A WRITTEN RESPONSE TO ALL BIDDERS.
12. ALL WORK NOTED "NIC" IS NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE PER REQUIREMENT ESTABLISHED BY OWNER.
13. EXISTING DIMENSIONS AND CONDITIONS INDICATED IN THESE DOCUMENTS ARE FROM ELECTRONIC CAD INFORMATION PROVIDED BY THE OWNER AND ARE ASSUMED TO BE ACCURATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF SUCH INFORMATION PRIOR TO THE START OF CONSTRUCTION, AND ADVISE THE ARCHITECT OF ANY DEVIATIONS OR CONFLICTS WITH THE INFORMATION SHOWN ON THE DRAWINGS.
14. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR SHALL REFER TO THE DIMENSIONS INDICATED OR THE ACTUAL SIZES OF CONSTRUCTION ITEMS. WHERE NO DIMENSION OR METHODS OF DETERMINING A LOCATION EXISTS, VERIFY DIMENSION WITH ARCHITECT PRIOR TO LAYOUT AND INSTALLATION.
15. THE DRAWINGS AND REFERENCED DETAILS HAVE BEEN DIMENSIONED IN ORDER TO ESTABLISH THE CONTROL AND GUIDELINES FOR FIELD LAYOUT. WHERE DISCREPANCIES EXIST BETWEEN THE DRAWINGS AND FIELD CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH PRIOR TO START OF WORK.
16. DIMENSIONS ON DOCUMENTS ARE TO FACE OF FINISH MATERIALS UNLESS OTHERWISE INDICATED.
17. WHERE DIMENSIONS INDICATED ARE NOTED AS VERIFY IN FIELD (VIF) THE DIMENSION SHOWN IS THE BASIS OF DESIGN, BUT MAY DIFFER FROM ACTUAL CONDITIONS. CONTRACTOR SHALL VERIFY THESE DIMENSIONS WHILE LAYING OUT THE WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING. WHERE DIMENSIONS ARE NOTED AS "+/-" FIELD DIMENSIONS MAY VARY FROM THE NOTED DIMENSIONS BY MINOR AMOUNTS. DISCREPANCIES OF MORE THAN 1" SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CONFIRMATION. DIMENSIONS NOTED AS "HOLD" OR "CLEAR" ARE TO BE ACCURATE TO WITHIN 1/4".
18. DETAILS ARE KEYED TO THE PLANS AT TYPICAL LOCATIONS. TYPICAL DETAILS APPLY TO ALL LOCATIONS WHICH ARE SIMILAR BUT ARE NOT NECESSARILY KEYED TO EVERY LOCATION TO WHICH THEY APPLY. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF ALL TYPICAL DETAILS AND INSTALL THE WORK INDICATED. FEATURES NOT SHOWN IN THEIR ENTIRETY SHALL BE COMPLETELY PROVIDED AS IF SHOWN IN FULL. IF DISCREPANCIES EXIST, CONTRACTOR IS TO REQUEST CLARIFICATION BY THE ARCHITECT OF SUCH CONDITIONS.
19. FINISH FLOOR ELEVATIONS REFER TO TOP OF CONCRETE SLAB, UNLESS NOTED OTHERWISE. WHERE CONCRETE SLAB IS DEPRESSED TO ACCOMMODATE SETTING BEDS, RAISED ACCESS FLOOR, OR OTHER SIMILAR FLOOR ASSEMBLIES, FINISH FLOOR ELEVATIONS ARE TO TOP OF FINISH FLOOR ASSEMBLY INDICATED.
20. FIRE RATING "TAPES" INDICATED ON FLOOR PLANS SHOW EXTENT OF FIRE RATED PARTITIONS, BARRIERS AND FIRE WALLS. RATING IN A PARTITION SHALL BE CONTINUOUS AND SHALL CONTINUE OVER DOORS AND OVER AND BELOW WINDOWS WHETHER OR NOT THEY ARE SHOWN AS SUCH ON THE PLANS. REFER TO PARTITION DETAILS FOR REQUIREMENTS OF THE RATED ASSEMBLIES.
21. VERIFY AND COORDINATE SIZES, LOCATION AND MOUNTING REQUIREMENTS OF ALL EQUIPMENT AND FIXTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE REQUIRED BLOCKING, BACKING, SLEEVES, ETC. FOR A COMPLETE, NEAT INSTALLATION. COORDINATE INSTALLATION OF ALL SLEEVES AND OPENINGS AS REQUIRED THROUGH ALL EXISTING OR NEW CONSTRUCTION.
22. DETAILS INDICATE DESIGN INTENT OF WORK IN PLACE. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR DIMENSIONS AND ARE TO BE INCLUDED AS PART OF THE WORK.
23. PROVIDE PROTECTION FOR PEDESTRIANS OR OCCUPANTS OF ADJACENT AREAS OF THE BUILDING AS NECESSARY AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
24. MAINTAIN THE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS. PROTECT PROJECT, THE SITE, AND PERSONAL PROPERTY FROM DAMAGE.
25. PROTECT WORK AREAS AND EXISTING ADJACENT AREAS, INCLUDING EXISTING UTILITIES, FROM DAMAGE. REPAIR, REPLACE, OR PATCH ANY DAMAGE DUE TO CONSTRUCTION. REPAIRED CONSTRUCTION IS SUBJECT TO REVIEW AND ACCEPTANCE BY ARCHITECT.
26. PROVIDE REQUIRED TEMPORARY UTILITIES, BRACING, SUPPORTS, SHORING, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN ADEQUACY AND SAFETY OF ERECTION.
27. CONTRACTOR SHALL MAINTAIN CURRENT UPDATED RECORD DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES.
28. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SITE SAFETY AND SECURITY FOR WORKERS AND GENERAL MEMBERS OF THE PUBLIC.
29. METAL FABRICATIONS AND SUPPORT ASSEMBLIES WHETHER SHOWN OR NOT SHALL BE PROVIDED FOR THE STRUCTURAL SUPPORT OF MISCELLANEOUS ELEMENTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ENGINEERED STRUCTURAL ASSEMBLIES AND CALCULATIONS SHOWING COMPLIANCE WITH CODE REQUIREMENTS AND ACCOUNTING FOR STATIC AND DYNAMIC LOADS INCLUDING ANY WIND OR SEISMIC LOADS, THERMAL MOVEMENT OF SUPPORTING STRUCTURE AND DIMENSIONAL TOLERANCES OF THE BUILDING.
30. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR APPROPRIATE INSTALLATION OF ALL TOILET ROOM ACCESSORIES AND PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT.
31. PIPE SLEEVES IN MECHANICAL EQUIPMENT ROOMS EXTEND 2" ABOVE THE FLOOR LINE. FILL THE ANNULAR SPACES OF PIPE SLEEVES THROUGH THE FLOOR OR THROUGH RATED WALLS WITH FIRE SAFING AND SMOKE SEAL COMPOUND AS INDICATED ON THE SPECIFICATION, AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
32. SIZES OF MECHANICAL EQUIPMENT PADS AND BASES SHOWN ON PLAN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY DIMENSIONS OF ALL PADS AND BASES WITH THE APPROPRIATE EQUIPMENT MANUFACTURERS. CONTRACTOR SHALL COORDINATE MOUNTINGS WITH APPROPRIATE EQUIPMENT MANUFACTURERS. PADS AND BASES SHALL BE INDICATED ON SUBMITTALS AND BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAY-OUT OF REINFORCING STEEL OR STEEL DECK.
33. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES. ALL ACCESS PANELS IN GYP BOARD SHALL BE CONCEALED, MUD-IN TYPE. ELECTRICAL J-BOXES, PLUMBING CLEANOUTS, FIRE DAMPERS AND OTHER SIMILAR ITEMS REQUIRING ACCESS ARE NOT TO BE LOCATED ABOVE GYPSUM BOARD OR SIMILAR NON-ACCESSIBLE CEILING.

Inglewood Unified School District

401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave,
Inglewood, CA 90303

△	Date	Issued For
1	11/5/2024	DSA SUBMITTAL

DSA A# 03-124773 FILE # 19-48

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WILLIAM J. MCINTYRE
C-36143
11/30/2027
RENEWAL
STATE OF CALIFORNIA

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2023-IU002-002

Architectural General Notes

A-001

Autodesk Docs://2023-IU002-002_IUSD Bennett-Kew P-8 Academy/2023-IU002-002_Arch_HED.rvt

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FIRE PROTECTION ANALYSIS - SPRINKLER SYSTEM REVIEW (AFSS NOT REQUIRED)

BUILDING FIRE SEPERATION WALL

BUILDING SEGMENTS "A & B" HAVE A COMBINED AREA OF 8,662 S.F. (LESS THAN 12,000S.F.)

BUILDING SEGMENTS "A & B" ARE SEPERATED BY A 4 HOUR FIRE BARRIER. UL DES U490

NO OPENINGS SHALL BE LOCATED WITHIN 4'-0" OF THE 4 HOUR WALL.

(THEREFORE AFSS IS NOT REQUIRED)

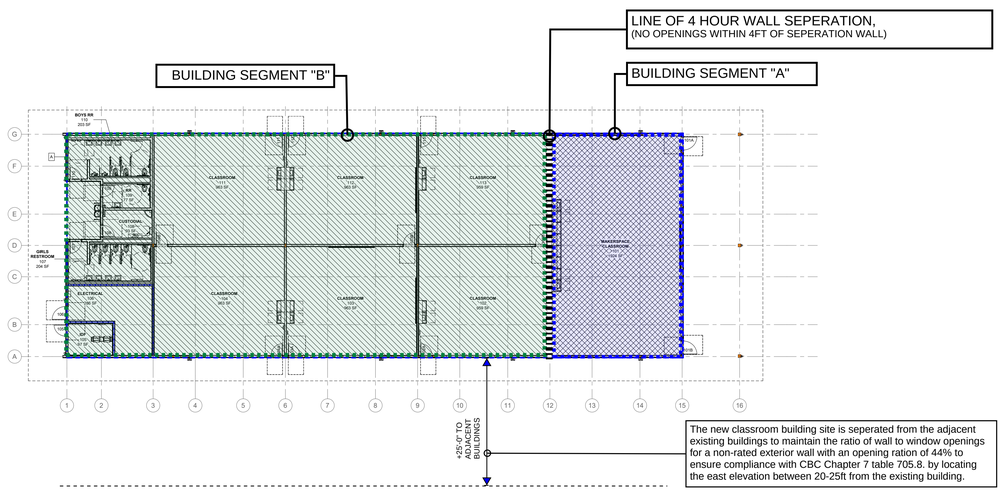
CBC 903.2.3 Item 5: An automatic sprinkler system shall be provided for Group E occupancies as follows: ... 5. Throughout any Group E structure greater than 12,000 square feet (1115 m2) in area, which contains more than one fire area, and which is separated into two or more buildings by fire walls of less than 4-hour fire-resistance rating without openings. CBC Section 503.1 allows for separated buildings via fire wall

BUILDING SEGMENT "A":

MAKERSPACE CLASSROOM 101 - AREA IS 1924 S.F. w/ 97 OCCUPANTS
BUILDING SEGMENT "A" OCCUPANT TOTAL = 97 (LESS THAN 300)
(AFSS IS NOT REQUIRED)

BUILDING SEGMENT "B":

CLASSROOMS 102 THRU 113 - AREA IS 5,770 S.F. w/ 292 OCCUPANTS
IDF ROOM 105 - AREA IS 97 S.F. w/ 1 OCCUPANT
ELECTRICAL RM 106 - AREA IS 286 S.F. w/ 1 OCCUPANT
CUSTODIAL RM 108 - AREA IS 93 S.F. w/ 1 OCCUPANT
BUILDING SEGMENT "B" OCCUPANT TOTAL = 295 (LESS THAN 300)
(AFSS IS NOT REQUIRED)



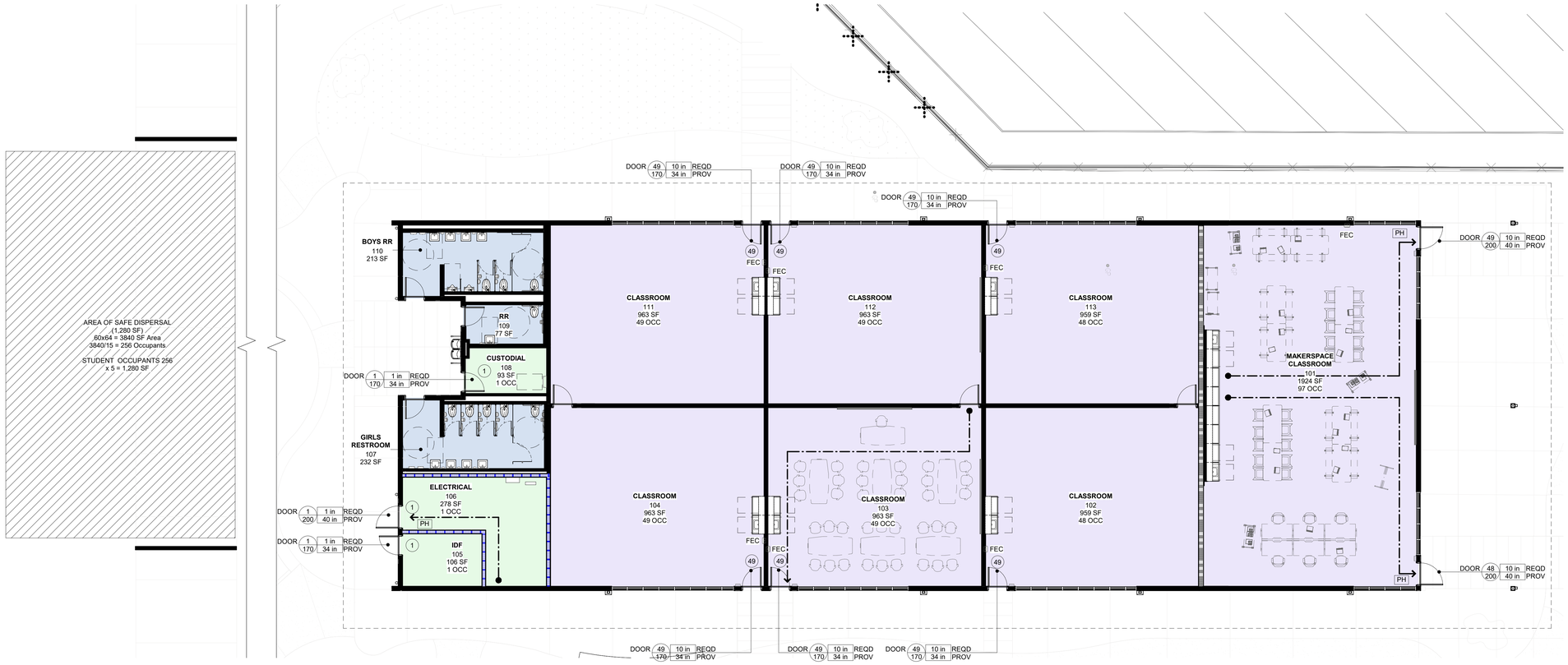
FIRE RATING LEGEND

- 4 HR FIRE BARRIER (180 MIN)
- 1 HR FIRE PARTITION (20 MIN)

WALL RATINGS SHOWN FOLLOWED BY OPENING PROTECTION REQUIREMENTS IN PARENTHESES
SEE A-571 FOR PARTITION TYPES DETAILS

LIFE SAFETY PLAN LEGEND

- N — TRUE NORTH / PROJECT NORTH
- Name / 101 / 150 SF / 10 OCC — ROOM NAME / ROOM NUMBER / SQ FT / OCCUPANCY LOAD
- (#) — CALCULATED ROOM OCCUPANCY
- EXIT SIGN
- FEC — FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- FHC — FIRE HOSE CABINET
- EXIT EGRESS PATH
- PH — PANIC HARDWARE
- OCCUPANT LOAD / DOOR 999 / 999 — WIDTH 99" REQD / 99" PROV — EGRESS DOOR
- SAFE DISPERSAL AREA

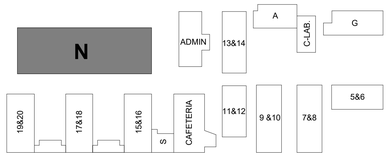


OCCUPANT LOAD CALCS - LEVEL 1			
FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
ACCESSORY, TOILET ROOM AREAS	522 SF		0
EDUCATIONAL, CLASSROOM AREA (NET) (E-OCCUPANCY)	7695 SF	20	389
UTILITY / STORAGE AREAS (GROSS (S-OCCUPANCY)	477 SF	300	3
	8694 SF		392

FUNCTION OF SPACE

- ACCESSORY, TOILET ROOM AREAS
- EDUCATIONAL, CLASSROOM AREA (NET) (E-OCCUPANCY)
- UTILITY / STORAGE AREAS (GROSS (S-OCCUPANCY)

KEY PLAN



N
LEVEL 1 LIFE SAFETY PLAN
1/8" = 1'-0"
A-201

Inglewood Unified School District
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LICENSED ARCHITECT WILLIAM T. MCCARTHY C-36143 4/30/2027 STATE OF CALIFORNIA

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2023-IU002-002

Life Safety Plan

AC101

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4/8/2025 9:48:35 AM

DSA PR 15-01: REQUIRED INFORMATION FOR PATH OF TRAVEL UPGRADES ON CONSTRUCTION DOCUMENTS

"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE

"ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

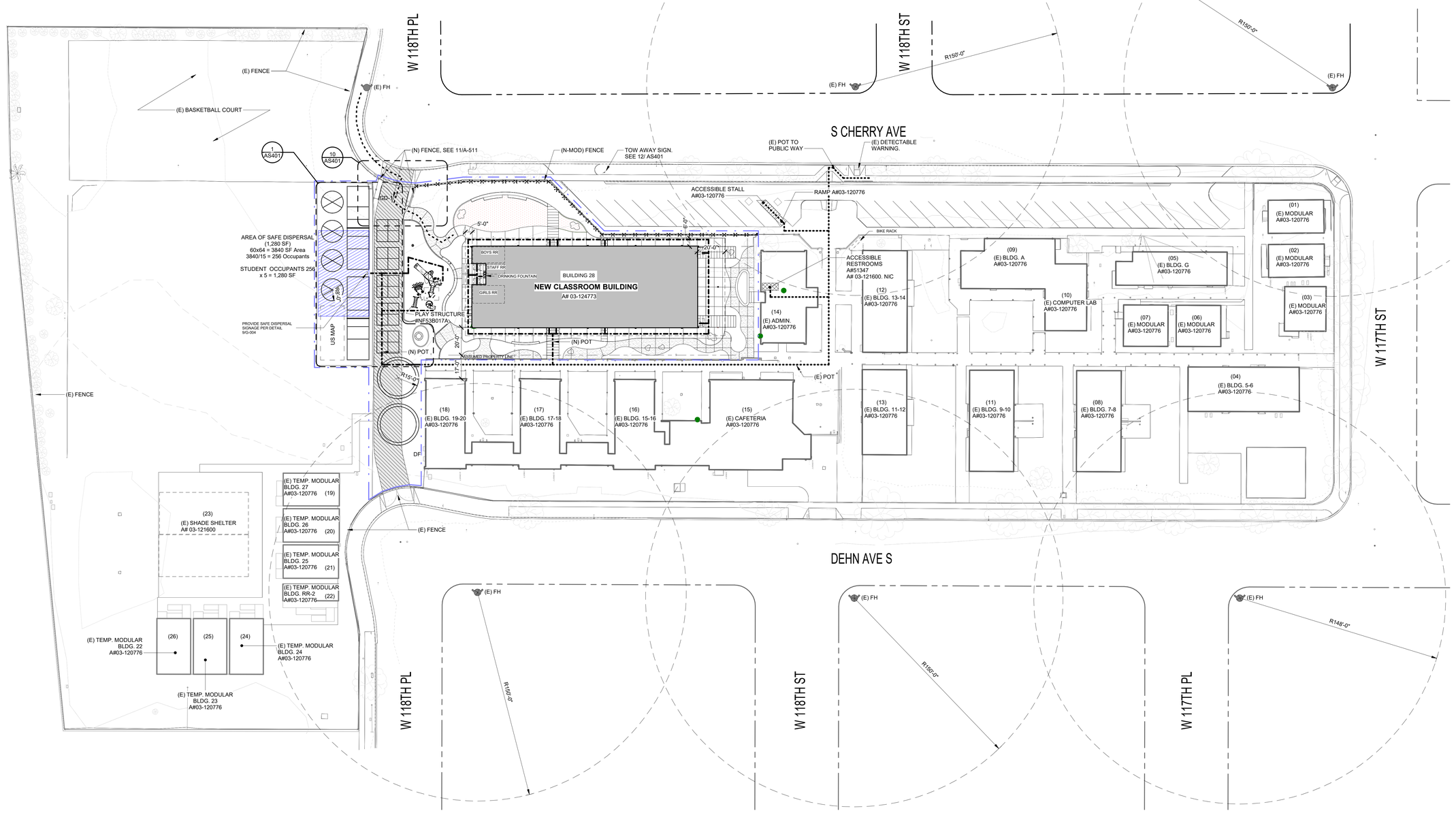
BUILDING CERTIFICATION LEGEND

NO.	BUILDING I.D.	BUILDING USE	DSA A#	CERTIFICATION (Y/N)
01	(E) MODULAR	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
02	(E) MODULAR	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
03	(E) MODULAR	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
04	(E) BUILDING 5-6	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
05	(E) BUILDING G	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
06	(E) MODULAR	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
07	(E) MODULAR	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
08	(E) BUILDING 7-8	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
09	(E) BUILDING A	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
10	(E) COMPUTER LAB	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
11	(E) BUILDING 9-10	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
12	(E) BUILDING 13-14	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
13	(E) BUILDING 11-12	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)

14	(E) ADMIN.	ADMINISTRATION	A# 03-120776 A# 51347 A# 1216000	A# 03-120776 - (YES) A# 51347 - (YES) A# 1216000 - (YES)
15	(E) CAFETERIA	CAFETERIA	A# 03-120776	A# 03-120776 - (YES)
16	(E) BUILDING 15-16	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
17	(E) BUILDING 17-18	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
18	(E) BUILDING 19-20	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
19	(E) MODULAR BLDG 27	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
20	(E) MODULAR BLDG 26	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
21	(E) MODULAR BLDG 25	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
22	(E) MODULAR BLDG RR-2	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
23	(E) SHADE SHELTER	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
24	(E) MODULAR BLDG 24	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
25	(E) MODULAR BLDG 23	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)
26	(E) MODULAR BLDG 22	CLASSROOM	A# 03-120776	A# 03-120776 - (YES)

SITE PLAN LEGEND

- NEW CONSTRUCTION
- EXISTING BUILDINGS NOT INCLUDED IN SCOPE OF WORK
- EXISTING FIRE VEHICLE ACCESS PATH (20' WIDE & 14' HIGH MINIMUM, UNLESS NOTED OTHERWISE) AND TURN AROUND; 48' MINIMUM INSIDE TURNING RADIUS & 55' MINIMUM OUTSIDE TURNING RADIUS
- SAFE DISPERSAL AREA
- (N) NEW PATH OF TRAVEL
- (E) PATH OF TRAVEL A# 03-120776
- (E) FENCE
- (N-MOD) FENCE, POSTS TO REMAIN W/ NEW MESH INSTALL
- (N) FENCE
- (E) FH — (E) FIRE HYDRANT
- SCOPE OF WORK AREA



N

CAMPUS OVERALL SITE PLAN

1" = 30'-0"

A-201

Inglewood Unified School District

401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave,
Inglewood, CA 90303

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DSA A# 03-124773 FILE # 19-48

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Site Plan

AS101

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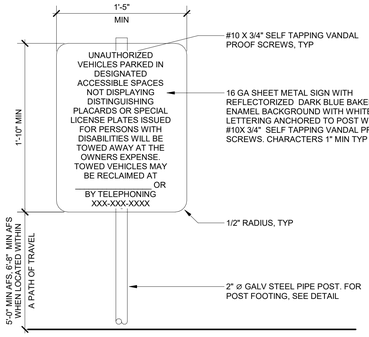
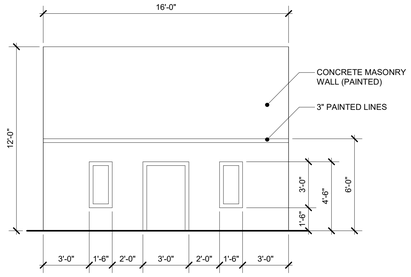
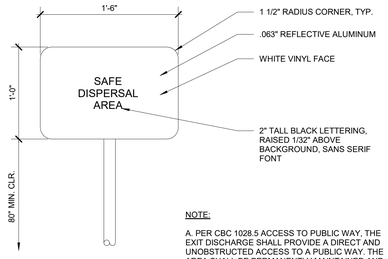


12 TOW AWAY SIGN
1 1/2" = 1'-0"



NOTES:
1. ALL GAME LINES SHALL BE 3" BLACK PAINTED LINES U.N.O.
2. ALL GAME LINE DIMENSIONS ARE TO OUTSIDE OF LINE U.N.O.

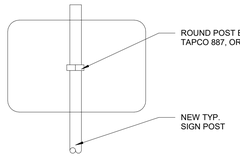
6 HANDBALL COURT- ELEVATION
1/4" = 1'-0"



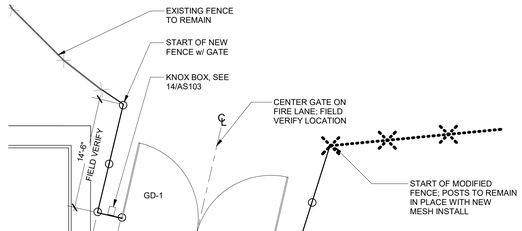
NOTE:

A. PER CBC 1028.5 ACCESS TO PUBLIC WAY, THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO A PUBLIC WAY. THE AREA SHALL BE PERMANENTLY MAINTAINED AND IDENTIFIED AS A SAFE DISPERSAL AREA.

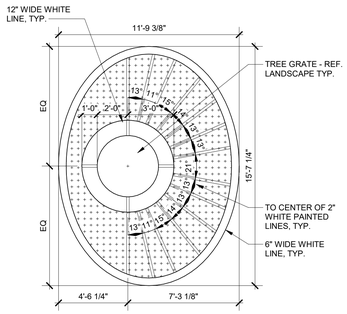
B. REFER TO SITE PLAN SHEET AS101 FOR AREA ZONES



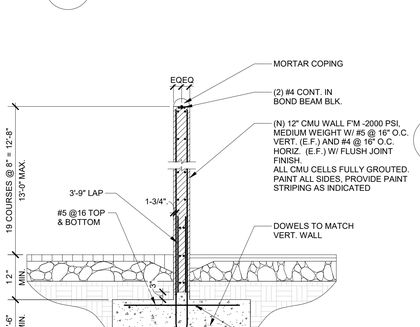
4 SAFE DISPERSAL AREA
1 1/2" = 1'-0"



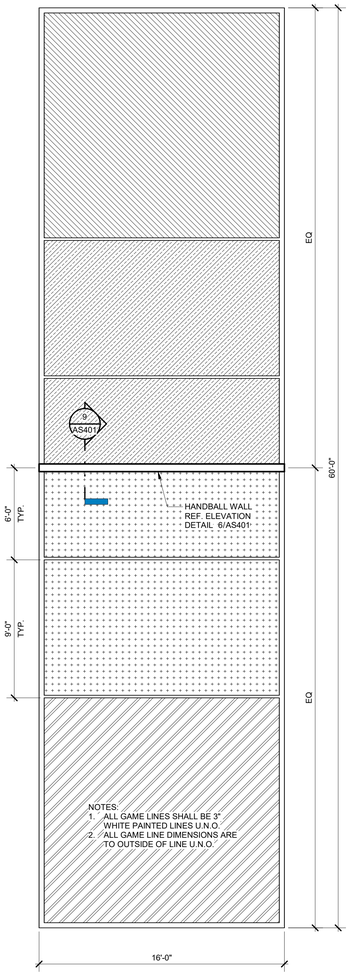
10 ENLARGED PLAN AT FIRE LANE GATE
1/8" = 1'-0"



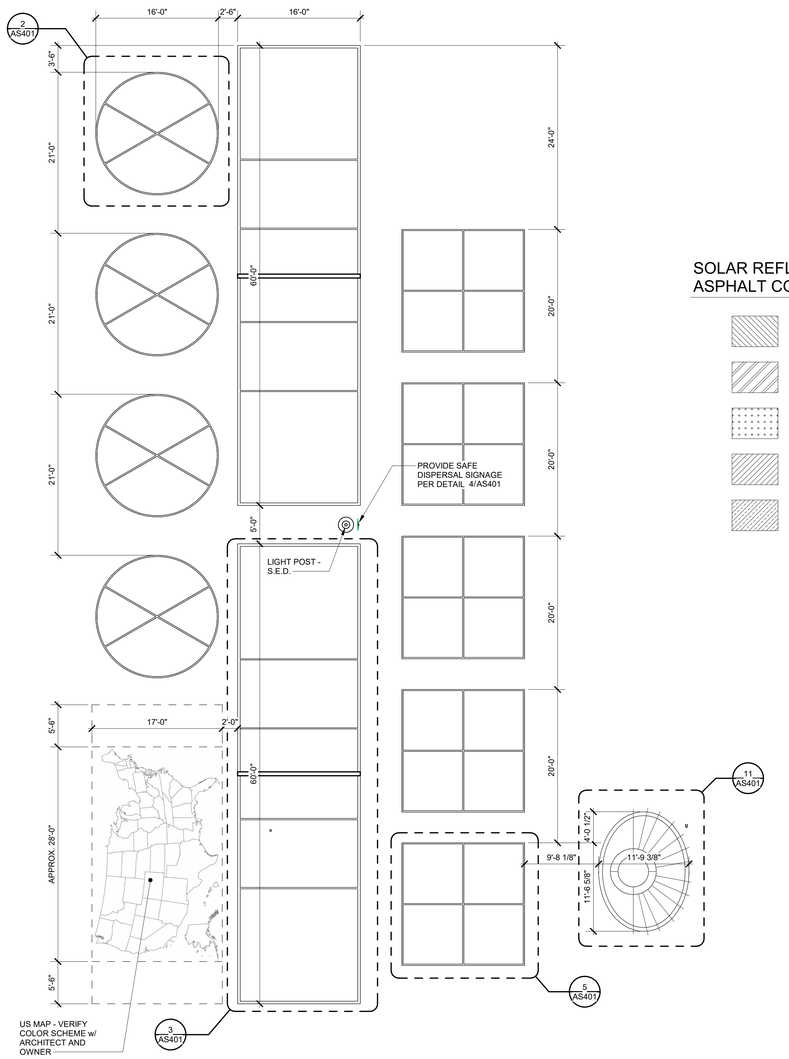
11 SUNDIAL
1/4" = 1'-0"



9 HANDBALL COURT WALL DETAIL
1/2" = 1'-0"



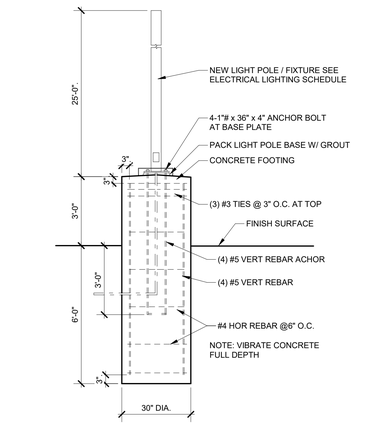
3 HANDBALL COURT
1/4" = 1'-0"



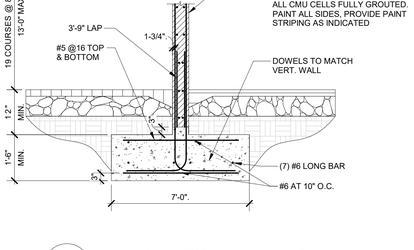
1 ENLARGED PLAN OF PAVEMENT GAMES
1/8" = 1'-0"

SOLAR REFLECTIVE ASPHALT COATING LEGEND

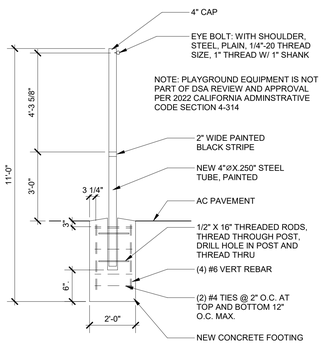
- AREA OF COLOR - TBD
- AREA OF COLOR - TBD
- AREA OF COLOR - TBD
- AREA OF COLOR - TBD
- AREA OF COLOR - TBD



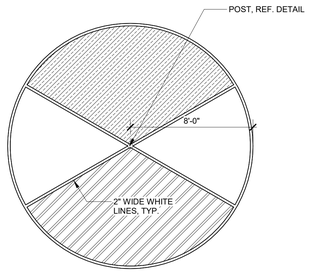
8 LIGHT POST
3/8" = 1'-0"



5 FOUR SQUARE
1/4" = 1'-0"



7 TETHER BALL POST
3/8" = 1'-0"



2 TETHER BALL
1/4" = 1'-0"

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Site Play Fields & Misc. Details

AS401

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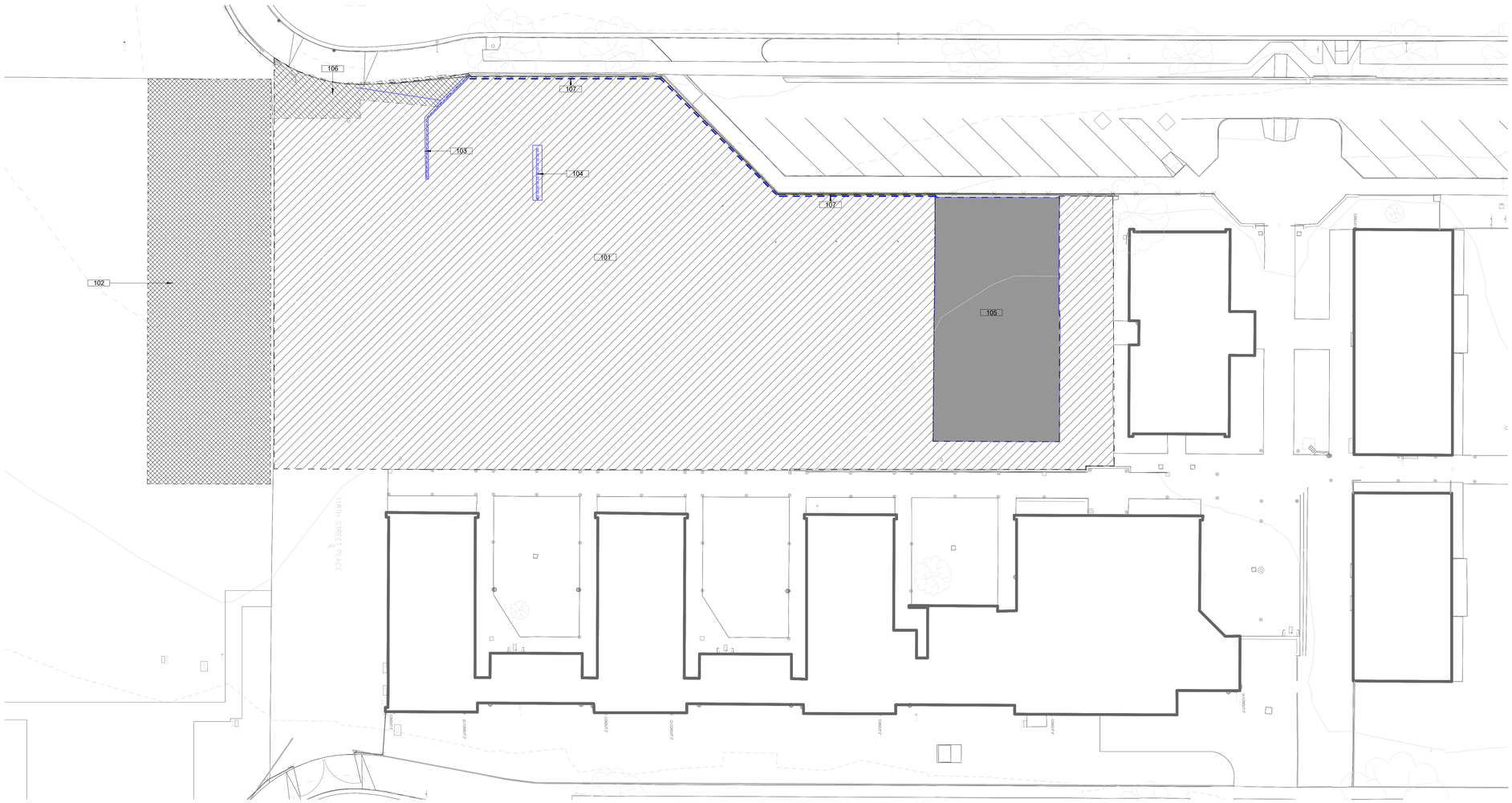

N

LEVEL 1 DEMO PLAN - OVERALL

1/16" = 1'-0"

A-201

DEMOLITION PLAN NOTES

1. THE ARCHITECT HAS NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO, ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), LEAD PAINT OR OTHER TOXIC SUBSTANCES. THE FACT THAT THESE DOCUMENTS DO NOT INDICATE THE PRESENCE OF OR REMOVAL OR CONTAINMENT OF THE FOREGOING IS NOT INTENDED TO INDICATE THAT THESE MATERIALS OR SUBSTANCES, AMONG OTHERS, ARE NOT PRESENT AND ARE NOT REQUIRED TO BE REMOVED OR CONTAINED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
2. PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO THE PROJECT AREA WILL BE OCCUPIED DURING SELECTIVE DEMOLITION. WORK SHALL NOT DISTURB NORMAL OPERATIONS ADJACENT TO AREAS IDENTIFIED FOR SELECTIVE DEMOLITION WITHOUT THE EXPRESS CONSENT OF PARTIES AFFECTED. DISTURBANCE MAY INCLUDE, WITHOUT LIMITATION, DUST, DIRT, DEBRIS, NOISE, ODORS, ETC.
3. CONDUCT WORK IN MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION OF NORMAL OPERATIONS. PROVIDE MINIMUM 72 HOURS ADVANCE NOTICE OF DEMOLITION ACTIVITIES DISRUPTING OPERATIONS IN AREAS AROUND THE WORK, INCLUDING ON LEVELS ABOVE OR BELOW AS APPLICABLE.
4. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT STAFF PERSONNEL AND GENERAL PUBLIC FROM INJURY DURING SELECTIVE DEMOLITION WORK.
5. CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE ARCHITECT OF DISCREPANCIES PRIOR TO START OF WORK.
6. CONTRACTOR TO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK USING PHOTOGRAPHS, VIDEOS, OR OTHER MEANS WHICH CAN BE READILY SHARED. SUCH DOCUMENTATION WILL BE MADE AVAILABLE TO ARCHITECT AS REQUIRED BELOW.
7. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND IS EXPOSED DURING DEMOLITION OPERATIONS. RESTORE ANY DAMAGED FINISHES TO CONDITION PRIOR TO START OF WORK.
8. PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
9. COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILING OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE NOT BEEN REMOVED. RESTORE ANY SUCH ELEMENTS THAT ARE DAMAGED TO CONDITION PRIOR TO DEMOLITION WORK.
10. PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND VISIBLY MARK SERVICES TO REMAIN IN OPERATION, INCLUDING FLOOR PENETRATIONS, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC., AND WALLS THAT CONTAIN VERTICAL RISERS THAT REMAIN IN OPERATION DURING THE DEMOLITION WORK.
11. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE, MEASURE AND DOCUMENT NATURE AND EXTENT OF CONFLICT AND NOTIFY ARCHITECT BEFORE PROCEEDING.
12. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING FUNCTIONING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES DURING INTERRUPTIONS TO EXISTING UTILITIES.
13. WHERE DEMOLITION IS REQUIRED BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR MAKING PENETRATIONS. ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR CONDITION PRIOR TO START OF WORK.
14. REPAIR DEMOLITION IN EXCESS OF THAT REQUIRED. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN TO CONDITION PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
15. PROVIDE SHORING, BRACING OR OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF EXISTING AND NEW CONSTRUCTION. WHEN REQUIRED, DESIGN OF THESE MEANS AND METHODS SHALL BE BY A LICENSED PROFESSIONAL ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
16. IF ROOFING, GLAZING, FLASHING, COPING OR PORTIONS OF EXTERIOR WALLS ARE REMOVED OR OPENED, SUITABLE THERMAL AND/OR MOISTURE OR VAPOR PROTECTION SHALL BE PROVIDED AND MAINTAINED FOR THE DURATION SUCH ELEMENTS OR PORTIONS OF THE BUILDING ARE OPEN TO WEATHER.
17. ERECT AND MAINTAIN 1 HOUR FIRE RESISTANCE RATED TEMPORARY PARTITIONS WHERE REQUIRED OR AS DIRECTED BY THE AHJ TO PROTECT EXISTING CONSTRUCTION AND ADJACENT OPERATIONS.
18. REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ASSOCIATED ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, FASTENERS, BRACKETS, SUPPORTS, ETC. TO BARE EXISTING STRUCTURE.
19. NEW CEILING INSTALLATIONS ARE NOT TO REUSE COMPONENTS OF OLD OR REMOVED CEILING SYSTEMS. WHERE EXISTING CEILINGS ARE INDICATED TO BE DEMOLISHED, COMPLETELY REMOVE EXISTING CEILING AND SUSPENSION SYSTEM COMPONENTS, INCLUDING BRACKETS, SUPPORT WIRES, SPLAY WIRES, COMPRESSION STRUTS, AND ATTACHMENTS TO STRUCTURE.
20. SCOPE OF DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL SCOPE OF DEMOLITION WORK.
21. REFER TO FINISH PLANS/SCHEDULES FOR SELECTIVE DEMOLITION OF EXISTING FINISHES THAT MAY BE REQUIRED IN AREAS NOT INDICATED ON THESE DRAWINGS.
22. SELECTIVE LIMITED DEMOLITION OF CEILINGS ON LEVEL BELOW (NOT SHOWN) MAY BE REQUIRED TO ACCOMMODATE INSTALLATION OF NEW STRUCTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK. RESTORE CEILINGS TO CONDITION PRIOR TO DEMOLITION.
23. REMOVE WALL COVERING AND BASE AT EXISTING WALLS SCHEDULED TO RECEIVE NEW FINISHES. PREP WALL TO RECEIVE SCHEDULED FINISH. REFER TO FINISH PLANS/SCHEDULES FOR EXTENT OF DEMOLITION.
24. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

KEYNOTE LEGEND

Key Value	Keynote Text
101	REMOVE PLAY SURFACE ASPHALT AND PLAY STRUCTURE POSTS
102	REMOVE TURF ARE FOR NEW ASHPALT PLAY SURFACE
103	REMOVE FENCE AND CONCRETE LOW WALL
104	DEMO HANDBALL WALL INCLUDING FOOTINGS
105	DEMO PLAY STRUCTURE AND PLAY SURFACE
106	DEMO EXISTING FENCE IN ITS ENTIRETY AND PREPARE SITE FOR NEW FENCE AND GATE PER AS101
107	DEMO EXISTING FENCE MESH, PROTECT IN PLACE EXISTING POSTS AND FOOTINGS

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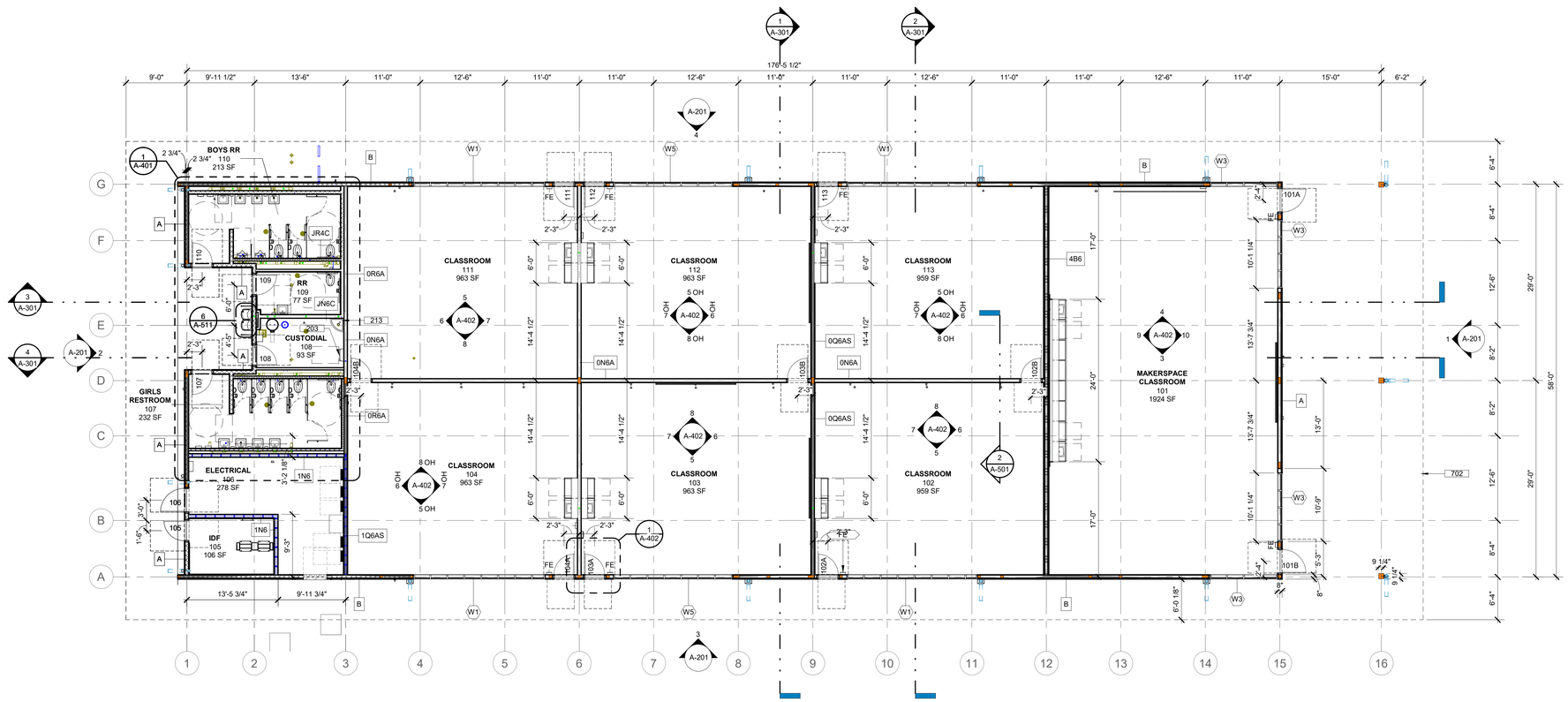


N

1 FLOOR PLAN

1/8" = 1'-0"

FLOOR PLAN NOTES

1. CONTRACTOR TO COORDINATE AND PROVIDE BACKING FOR ALL ITEMS IN CONTRACT, AS WELL AS ITEMS NOTED WHICH ARE IDENTIFIED AS NOT IN CONTRACT (NIC) OR ITEMS WHICH ARE OWNER-PROVIDED OR VENDOR-PROVIDED. SUCH ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, SIGNAGE, VISUAL BOARD UNITS, CONFERENCING TRAYS, RAILS OR OTHER ACCESSORIES, BULLETIN BOARDS, DISPLAY CASES, COMPUTER OR TELEVISION DISPLAYS, MONITORS, SECURITY CAMERAS, WIRELESS ACCESS POINTS, LOCKERS, AND OTHER CASEWORK OR EQUIPMENT.
2. DO NOT SCALE DRAWINGS. USE DIMENSIONS INDICATED.
3. CONTRACTOR SHALL VERIFY BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF WORK.
4. ALL EXISTING CONSTRUCTION REMAINING BUT AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH THE MATERIALS, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION.
5. COORDINATE QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK FOR A COMPLETE INSTALLATION. PROVIDE OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
6. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH APPROPRIATE TRADES.
7. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, NOMINAL FINISH FACE OF CONCRETE, OR NOMINAL FACE OF MASONRY UNLESS OTHERWISE NOTED.
8. DIMENSIONS IN ROOMS WITH WALL TILE ARE TO FACE OF TILE SURFACE TYPICAL, UNLESS OTHERWISE NOTED, WITH THICKNESS OF TILE AND SETTING BED BEING IDENTIFIED NOMINALLY AS ½". IF TILE AND SETTING BED IS THICKER THAN ½", PARTITION LAYOUT TO BE ADJUSTED ACCORDINGLY.
9. WHERE FIRE RATED PARTITIONS TERMINATE AT EXTERIOR WALLS, PROVIDE FIRE SAFING (UL LISTED) INSULATION FROM END OF PARTITION TO INTERIOR FACE OF EXTERIOR SHEATHING, 5" DEPTH X FULL HEIGHT OF CONSTRUCTION (TYPICAL).
10. WHERE SOUND INSULATED PARTITIONS TERMINATE AT EXTERIOR WALL ASSEMBLIES, EXTEND GYPSUM BOARD, ISOLATION CHANNELS, AND SOUND ATTENUATING INSULATION AS SCHEDULED, TO INSIDE FACE OF EXTERIOR SHEATHING, AND SEAL JOINT AT SHEATHING WITH ACOUSTICAL SEALANT.
11. FOR ADDITIONAL INTERIOR FINISHES WHICH MAY IMPACT DIMENSIONS, REFER TO FINISH PLANS/SCHEDULES.
12. WHERE INTERIOR PARTITIONS ABUT WINDOW SYSTEMS, ALIGN CENTERLINES OF PARTITIONS WITH CENTERLINES OF VERTICAL WINDOW MULLIONS, UNLESS OTHERWISE NOTED.
13. PROVIDE CONTINUOUS FIRE RATED CONSTRUCTION BEHIND RECESSED FIXTURES IN FIRE PARTITIONS, FIRE BARRIERS AND FIRE WALLS.
14. PROVIDE FIREPROOFING CONTINUITY WITH EXISTING CONDITIONS, USING LIKE SYSTEMS AS EXISTING, WHERE REQUIRED. VERIFY CONSTRUCTION OF EXISTING ELEMENTS IDENTIFIED AS FIRE RATED AND REPORT CONDITIONS NEGATIVELY IMPACTING RATING OF ELEMENT TO ARCHITECT.

FLOOR PLAN LEGEND

- N — PROJECT NORTH / TRUE NORTH
- COL — NEW STRUCTURAL GRID LINE
- 101A — DOOR MARK / NEW DOOR / 5" TO DOOR OPENING - TYP (UON)
- HW9A — PARTITION TYPE (SEE PARTITION TYPES SHEET)
- ROOM NAME 101 — ROOM NAME & NUMBER
- FD — FLOOR DRAIN
- TD — TRENCH DRAIN
- F.E.C. — FIRE EXTINGUISHER CABINET
- A — EXTERIOR WALL TYPE, SEE A-502
- W1 — WINDOW TYPE, SEE A-601
- 6" CONCRETE CURB

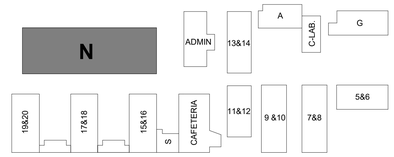
FIRE RATING LEGEND

- 4 HR FIRE BARRIER (180 MIN)
- 1 HR FIRE PARTITION (20 MIN)

WALL RATINGS SHOWN FOLLOWED BY OPENING PROTECTION REQUIREMENTS IN PARENTHESES
SEE A-571 FOR PARTITION TYPES DETAILS

KEYNOTE LEGEND	
Key Value	Keynote Text
203	ROOF ACCESS LADDER
213	MOP SINK & FAUCET - S.P.D. 8/A-563
702	ROOF OVERHANG ABOVE - SHOWN DASH

KEY PLAN



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Floor Plan

A-101

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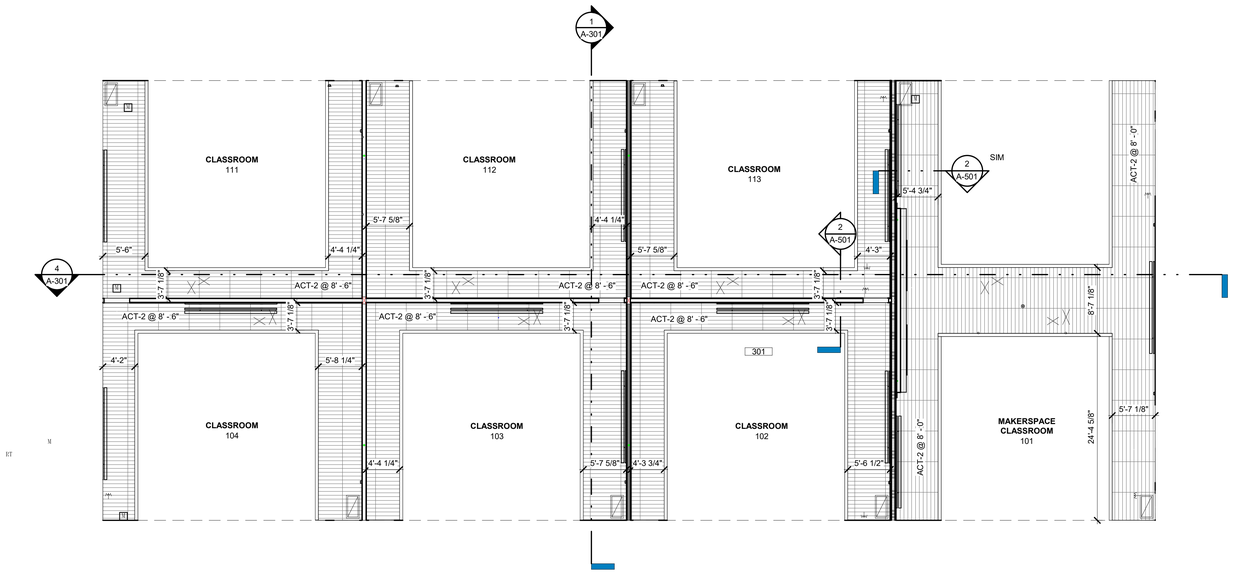
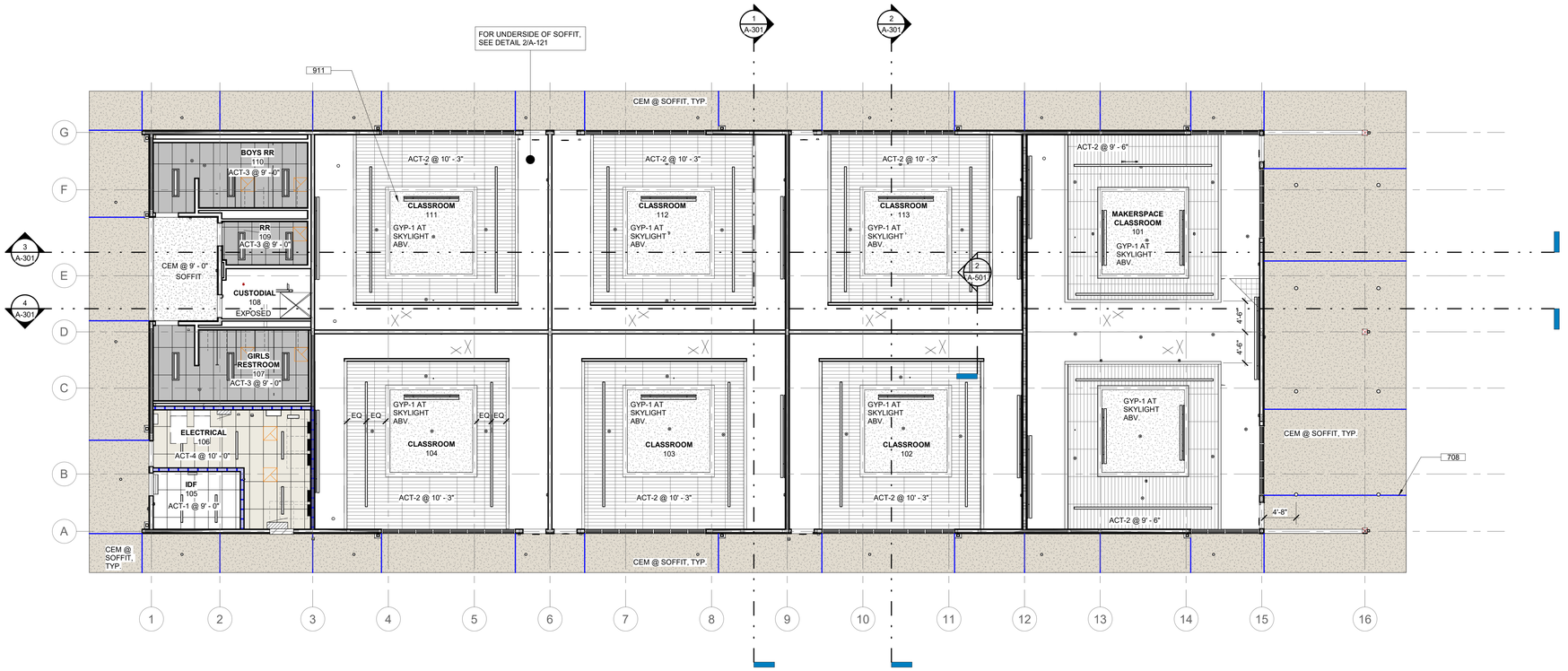


N

2 MECHANICAL BULKHEAD

1/8" = 1'-0"



N

1 REFLECTED CEILING PLAN

1/8" = 1'-0"

CEILING NOTES

1. COORDINATE SIZE AND LOCATION OF ACCESS PANELS WITH TRADE REQUIRING SAME AND CONFIRM WITH ARCHITECT.
2. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
3. CONTRACTOR SHALL MAINTAIN THE FIRE RATING INTEGRITY OF EXISTING PARTITIONS INDICATED AS FIRE RESISTANCE RATED. REPORT CONDITIONS NEGATIVELY IMPACTING RATING OF ELEMENT TO ARCHITECT.
4. CEILING PANELS TO BE CENTERED IN ROOM IN BOTH DIRECTIONS UNLESS OTHERWISE INDICATED.
5. NO CEILING PANEL TO BE CUT TO LESS THAN 6" WIDTH.
6. SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF CEILING PANELS (TYPICAL).
7. VERIFY LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.
8. COORDINATE ESCUTCHEON PLATES AT CEILING PANEL PENETRATIONS WITH ELECTRICAL AND MECHANICAL TRADES.
9. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.

CEILING PLAN LEGEND

- EXPO: EXPOSED PAINTED METAL DECK
- ACT-1: 24" X 48" ACOUSTIC PANEL CEILING ON METAL CEILING SUSPENSION SYSTEM. SEE 2/A-572
- ACT-2: 24" X 48" ACOUSTIC PANEL CEILING W/ 6" STRIATIONS ON METAL CEILING SUSPENSION SYSTEM.SEE 2/A-572
- ACT-3: 24" X 48" CLEANABLE PANEL CEILING ON METAL SUSPENSION SYSTEM. SEE 2/A-572
- ACT-4: 24" X 48" RATED PANEL CEILING ON METAL SUSPENSION SYSTEM. SEE 2/A-572
- GYP-1: 5/8" GYPSUM BOARD CEILING ON WOOD STUD FRAMING. SEE 7B/A-572
- CEM: CEMENT PLASTER ON WOOD STUD FRAMING
- ACP-1 @ 8'-0" — CEILING TYPE & HEIGHT TAG
- DOWN LIGHTS
- SD — SMOKE DETECTORS
- S — SPEAKER (GRILLE)
- LIGHT FIXTURE (REFER ELEC. DWGS)
- EXIT SIGN
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- J — JUNCTION BOX
- # — LIGHT SENSOR

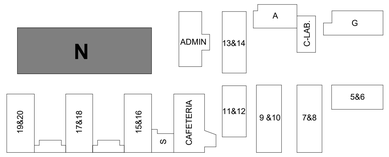
FIRE RATING LEGEND

- 4 HR FIRE BARRIER (180 MIN)
- 1 HR FIRE PARTITION (20 MIN)

WALL RATINGS SHOWN FOLLOWED BY OPENING PROTECTION REQUIREMENTS IN PARENTHESES
SEE A-571 FOR PARTITION TYPES DETAILS

KEYNOTE LEGEND	
Key Value	Keynote Text
301	MECHANICAL EQUIPMENT - S.M.D.
708	CEMENT PLASTER CONTROL JOINT, TYP. - SEE 2/A-511
911	PAINTED GYPSUM BOARD CEILING

KEY PLAN



Inglewood Unified School District

401 S. Inglewood Ave.
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IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave,
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Reflected Ceiling Plan

A-121

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1 FINISH PLAN

1/8" = 1'-0"

FINISH PLAN NOTES

1. TRANSITION AND REDUCER STRIPS TO MATCH COLOR OF FLOORING, UNLESS OTHERWISE NOTED.
2. TRANSITION FLOOR FINISHES AT CENTER OF DOOR, UNLESS OTHERWISE NOTED.
3. FLOORS TO BE LEVELED AS REQUIRED TO ACCEPT FINISHES PER FINISH PLANS/SCHEDULE.
4. INSTALL ALL FLOORING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF SEAMING AND TRANSITIONS WITH THE ARCHITECT.
5. RESILIENT TILE FLOORING TO BE SEALED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. RESILIENT BASE TO BE STRAIGHT AT CARPET FLOORING, COVED AT OTHER LOCATIONS.
7. RECESSED WIREWAYS, ACCESS PANELS, GRILLES, FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, AND OTHER SUCH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING SURFACE, UNLESS OTHERWISE NOTED.
8. FINISH MATERIALS TO COMPLY WITH CODE REQUIRED FLAME SPREAD AND SMOKE DEVELOPED RATINGS.

MATERIAL LEGEND

ROOM FINISHES TAG

XXX	XXX	XXX	WALL FINISH
			WALL BASE
			FLOOR FINISH

ARROW INDICATES DIRECTION OF PATTERN.
NOTE: FLOOR PATTERN SHALL BE ORIENTED IN EAST/WEST DIRECTION, U.N.O.

PNT-X INDICATES ACCENT WALL AND PAINT COLOR

1. REFER TO MATERIAL FINISHES IN SPECIFICATIONS.
2. SEE DETAIL -/--- FOR FLOOR FINISH TRANSITIONS.

FLOOR FINISHES LEGEND

VCT1	VINYL COMPOSITION TILE
VCT2	VINYL COMPOSITION TILE
WM	CARPET WALK OFF MAT
EPY	LIQUID EPOXY OVER CONCRETE
CONC	SEALED POLISHED CONCRETE

WALL BASE LEGEND

RB	RUBBER BASE
EPY	EPOXY BASE

WALL FINISHES LEGEND

CT	PORCELAIN TILE PANELS
PNT	WALL PAINT
FPM	FINISHES PER MANUFACTURER
FRP	FIBER REINFORCED PLASTIC PANELS

SIGNAGE SCHEDULE	
TYPE MARK	DESCRIPTION AND DETAIL
S-01	ROOM SIGN - SEE DETAIL 5/G-004
S-03	RESTROOM SIGN (WALL AND DOOR) - SEE DETAIL 6/G-004
S-04	EXIT SIGN - SEE SHEET AC101 FOR LOCATIONS & DETAIL 4/G-004, S.E.D.
S-09	ASSISTIVE LISTENING DEVICE SIGN - SEE DETAIL 8/G004
S-10	MAINTENANCE ONLY SIGN

SIGNAGE NOTES:

1. FOR ACCESSIBILITY SIGNAGE REQUIREMENTS AND DETAILS, SEE G-004
3. PROVIDE 2 PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF 2 RECEIVERS, FOR USE IN THE CLASSROOMS WITHOUT AUDIO AMPLIFICATION. THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED.

KEY PLAN

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Finish Plan

A-141

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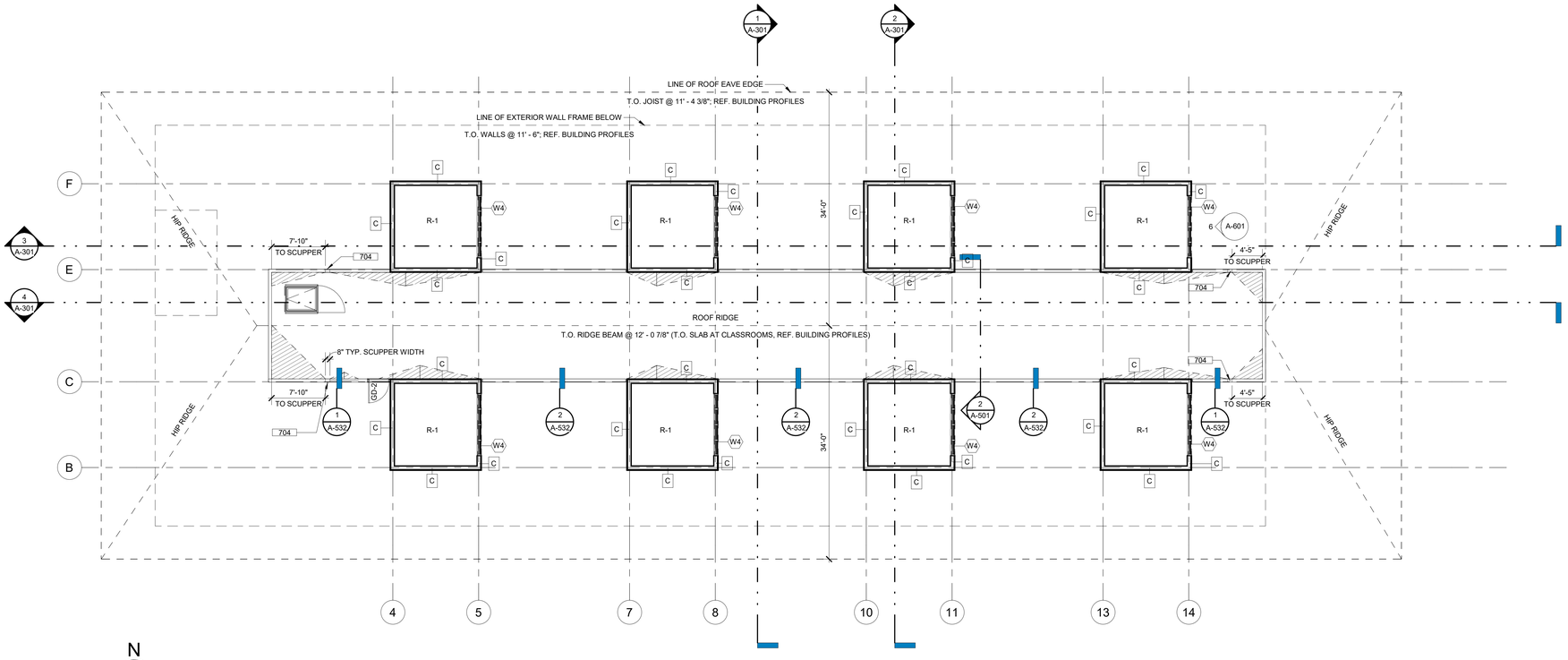

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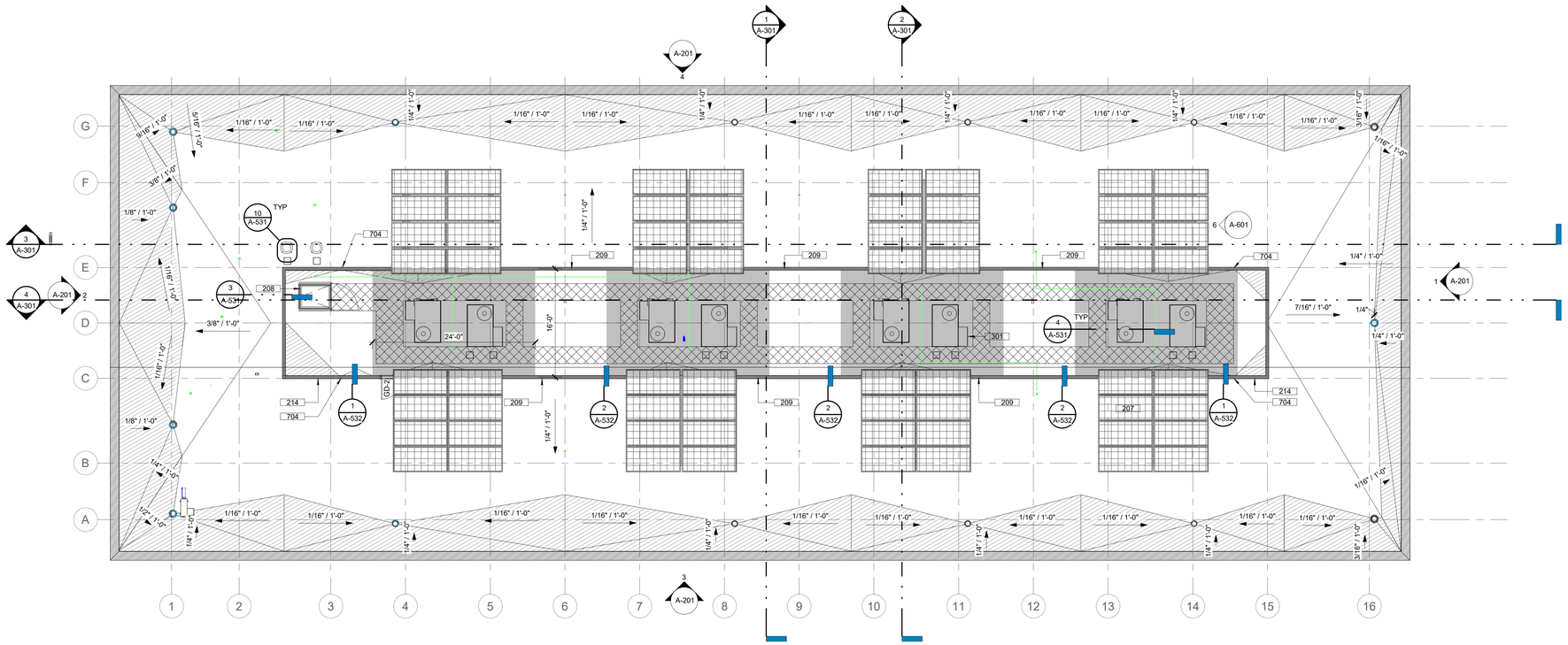
ROOF MONITORS

1/8" = 1'-0"

A-201



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ROOF PLAN

1/8" = 1'-0"

A-201

ROOF PLAN NOTES

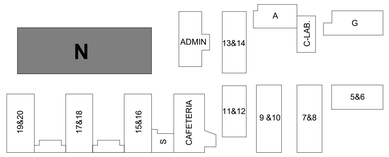
1. SEE DRAWING A-531 FOR ROOF ASSEMBLY TYPES.
2. SEE DRAWING A-531 FOR TYPICAL ROOF DETAILS. ROOFING CONTRACTOR TO VERIFY ALL ROOF DETAILS COMPLY WITH APPROVED ROOFING SYSTEM. IT IS THE RESPONSIBILITY OF THE ROOF CONTRACTOR TO SUPPLY ANY ADDITIONAL DETAILS AND/OR MATERIALS TO ENSURE COMPLIANCE WITH WARRANTY.
3. COORDINATE SIZES AND FINAL LOCATIONS OF ALL EQUIPMENT SUPPORTS WITH THE APPROPRIATE EQUIPMENT MANUFACTURER.
4. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL PIPES, CURBS, VENTS, DUCTS, CONDUITS AND OTHER FEATURES EXTENDING THROUGH ROOF SURFACES WHICH REQUIRE FLASHING AND COORDINATE SIZE AND LOCATION OF SAME.
5. PROVIDE POSITIVE SLOPE TO ALL ROOF DRAINS. ROOF SLOPE TO BE 1/4" PER FOOT MINIMUM.
6. TEMPORARY FALL PROTECTION IS NOT SHOWN AND SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. INLET OF OVERFLOW ROOF SUMPS SHALL BE LOCATED 2" ABOVE PRIMARY ROOM SUMP INLET TYP UNO.
8. PROVIDE SPLASH BLOCKS AT ALL PRIMARY AND SECONDARY RAIN CONDUCTOR TERMINATIONS ONTO SINGLE-PLY MEMBRANE ROOFING.
9. COORDINATE LIGHTNING PROTECTION SYSTEM DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND LIGHTNING PROTECTION SYSTEM CONTRACTOR. FLASH ALL LIGHTNING PROTECTION SYSTEM PENETRATIONS PER ROOFING. DO NOT PENETRATE METAL COPINGS WITH ANY LIGHTNING PROTECTION SYSTEM FASTENERS.
10. INSTALL ROOF FRAMES PRIOR TO CUTTING AND REMOVING ANY METAL DECK.
11. LOCATIONS AND DETAILS OF SAFETY TIE-BACKS, DAVIT BASES, HORIZONTAL LIFELINE SYSTEM AND RELATED BUILDING MAINTENANCE EQUIPMENT INDICATE DESIGN INTENT FOR PRICING PURPOSES. ACTUAL DESIGN IS DELEGATED TO THE CONTRACTOR INCLUDING A COMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONAL ENGINEER. REFER TO SPEC SECTION 112423.
12. PER IBC 1504.4, ROOF SYSTEM METAL EDGE SECUREMENT, EXCEPT GUTTERS, SHALL BE DESIGNED AND INSTALLED FOR WIND LOADS IN ACCORDANCE WITH IBC CHAPTER 16. WIND SPEED AS DETERMINED FROM IBC FIGURE 1609 AND TESTED FOR RESISTANCE IN ACCORDANCE WITH ANSI/SPRI ES-1.

ROOF PLAN LEGEND

- R-1: TYP. SINGLE-PLY MEMBRANE ROOF ASSEMBLY - SEE **5/A-502** FOR ROOF ASSEMBLY & DETAIL
- R-2: TYP. SINGLE-PLY MEMBRANE ROOF ASSEMBLY OVER (2) LAYERS OF 5/8" GYPSUM ROOF SHEATHING & ADDITIONAL (2) LAYER OF PLYWOOD SHEATHING FOR ACOUSTIC DAMPENING AT MECH UNITS; MIN. OF 3'-0" SURROUNDING ZONE - REF. STRUCT. FOR ATTACHMENT REQUIREMENTS - SEE **6/A-502** FOR ROOF ASSEMBLY & DETAIL
- WALKWAY PADS - TYP
- ROOFING SYSTEM CRICKET
- EXHAUST FAN
- VENT THROUGH ROOF
- TBA — ROOF MOUNTED TIE-BACK ANCHOR
- HORIZONTAL LIFELINE CABLE SYSTEM
- DP — DAVIT PEDISTAL FOR 8'-6" DAVIT ARM
- TR — LIGHTNING PROTECTION ROOF PENETRATION PROVIDE STEPPED CONDUIT FLASHING (SEE DETAIL "TR" ON LIGHTNING PROTECTION DWGS)
- INDICATES SLOPE DIRECTION OF ROOF (MIN 1/4" PER FOOT)
- SURFACE MTD WEATHERPROOF RECEPTACLE/JUNCTION BOX (JB). SEAL BASE FLASHING PENETRATION PER ROOFING MANUFACTURER'S DIRECTION TO MEET WARRANTY REQUIREMENTS. PROVIDE SOLID WOOD BLOCKING BEHIND DEVICE TO ACCOMMODATE INSTALLATION. CONDUIT SHALL BE ROUTED IN STUD SPACE OF PARAPET. DO NOT SURFACE MOUNT CONDUIT.
- RS OS — (RS) ROOF SUMP AND (OS) OVERFLOW ROOF SUMP

KEYNOTE LEGEND	
Key Value	Keynote Text
207	PV ARRAY - S.E.D.
208	ROOF ACCESS HATCH W/ SAFETY RAILING - NOMINAL SIZE 30"W X 36"L
209	MECHANICAL SCREEN
214	SHEAR WALL MECHANICAL SCREEN w/ ROOF SCUPPERS - S.S.D.
301	MECHANICAL EQUIPMENT - S.M.D.
704	SCUPPER. SEE 7/A-532

KEY PLAN



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Roof Plan

A-191

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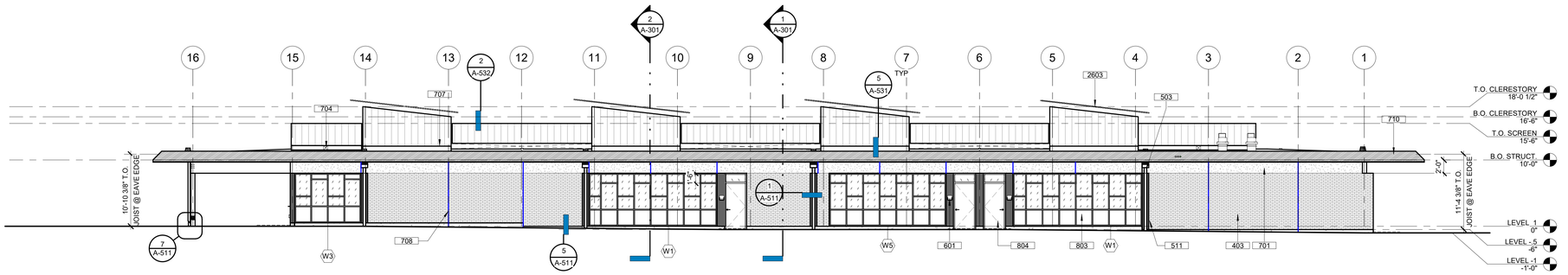
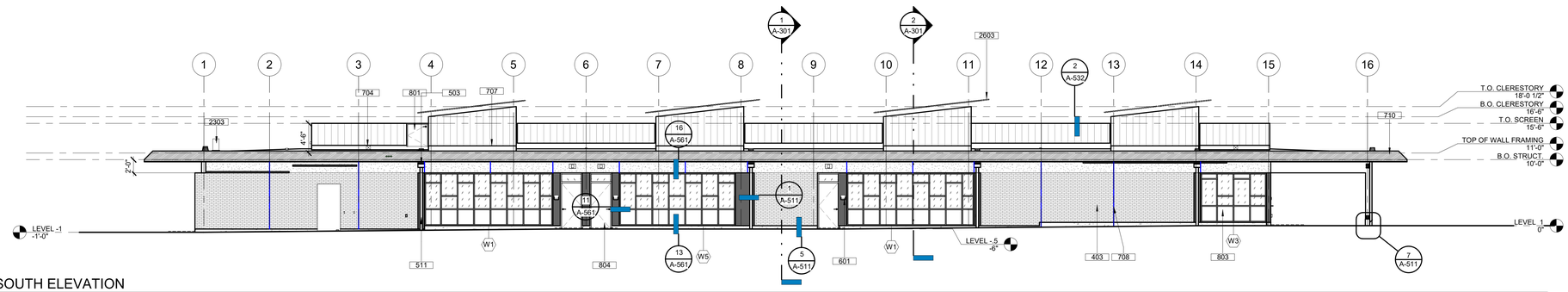


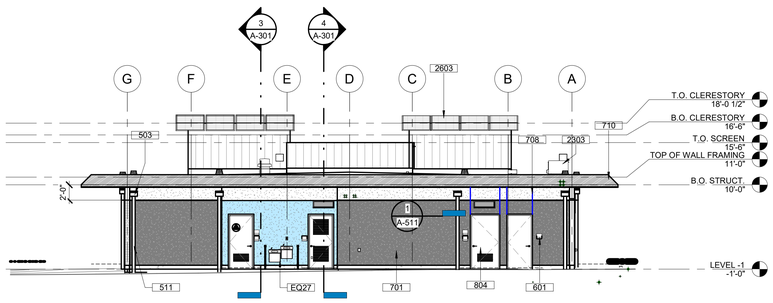
4 NORTH ELEVATION

1/8" = 1'-0"



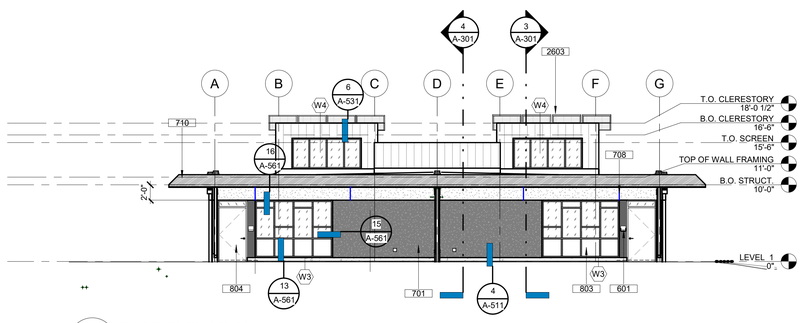
3 SOUTH ELEVATION

1/8" = 1'-0"



2 WEST ELEVATION

1/8" = 1'-0"



1 EAST ELEVATION

1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

1. TACTILE SIGNAGE PER SIGNAGE SCHEDULE, SEE SHEET G-004 FOR TYPICAL SIGNAGE INFORMATION
2. FOR TYPICAL CEMENT PLASTER DETAILS, SEE SHEETS A-511
3. FOR TYPICAL ROOF DETAILS, SEE SHEETS A-531 THROUGH A-532

MATERIAL LEGEND

- BRICK
- CP-1 CEMENT PLASTER COLOR 1
- CP-2 CEMENT PLASTER COLOR 2
- CP-3 CEMENT PLASTER COLOR 3
- ANGLED METAL FASCIA PER DETAIL 13/A-531
- THIN BRICK VENEER PER DETAIL 2/A-502
- PAINTED STANDING SEAM METAL PANEL PER DETAIL 3/A-502
- TYP. EXT. GLASS FINISH PER SPEC
- ALUM. MULLION FINISH PER SPEC
  BRAKE METAL WRAPS TO MATCH FINISH

KEYNOTE LEGEND	
Key Value	Keynote Text
403	THIN BRICK VENEER PER SPECS 04_2100
503	DOWNSPOUT & SCUPPER PER DETAILS 1 & 3/A-533
511	STEEL PIPE DOWNSPOUT - SEE CIVIL DRAWINGS FOR CONNECTION TO STORM DRAIN
601	EXTERIOR SIGNAGE PER A-141 AND GENERAL DETAILS ON G-004
701	EXTERIOR CEMENT PLASTER OVER STUD WALL. TYPICAL AT ALL EXTERIOR WALLS, U.O.N. - REFER TO A-511 AND STRUCTURAL DRAWINGS
704	SCUPPER. SEE 7/A-532
707	ROOF TERMINATION FLASHING 8" ABOVE ROOF FINISH PER DETAIL 5/A-531
708	CEMENT PLASTER CONTROL JOINT, TYP. - SEE 2/A-511
710	PREFINISHED METAL FASCIA/FLASHING
801	PAINTED STEEL GATE, COLOR TO MATCH ADJACENT METAL PANEL, SEE A-601
803	ALUMINUM WINDOW PER SCHEDULE ON SHEET A-601
804	HM DOOR, TYPICAL AT EXTERIOR
2303	MECHANICAL EQUIPMENT - S.M.D.
2603	PV ARRAY - S.E.D.
EQ27	HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE DETAIL 6/A-511

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Exterior Elevations

A-201

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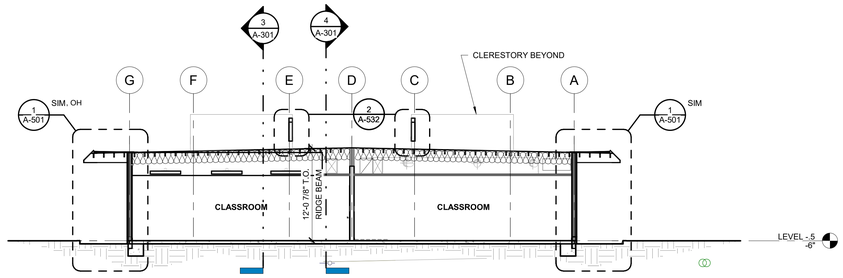
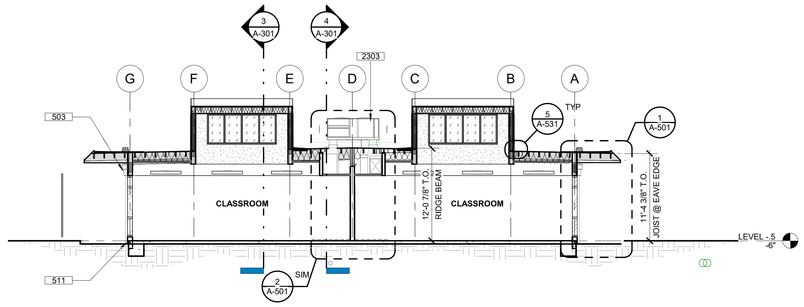


1 Section 14
1/8" = 1'-0"



2 Section 2
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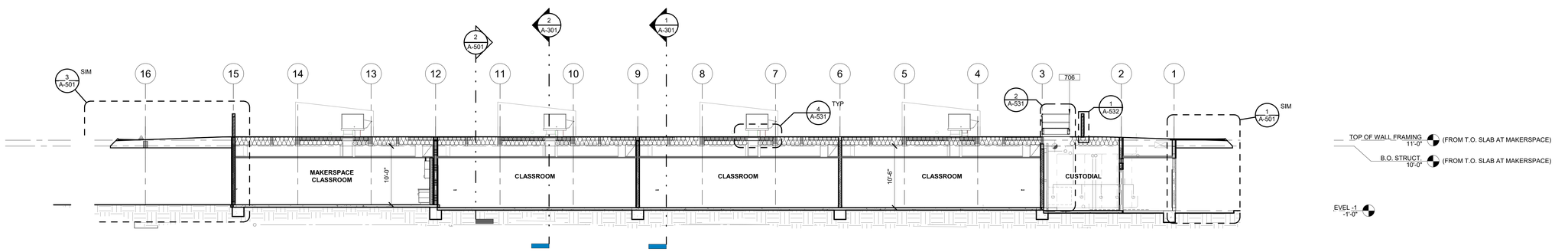

4 Section 15
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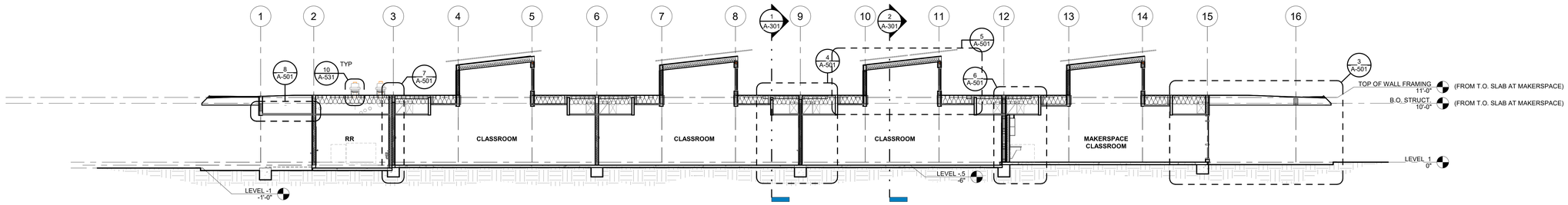

3 Section 1
1/8" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
503	DOWNSPOUT & SCUPPER PER DETAILS 1 & 3/A-533
511	STEEL PIPE DOWNSPOUT - SEE CIVIL DRAWINGS FOR CONNECTION TO STORM DRAIN
706	ROOF ACCESS HATCH W/ SAFETY RAILING - NOMINAL SIZE 30"W X 36"L
2303	MECHANICAL EQUIPMENT - S.M.D.

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Building Profiles

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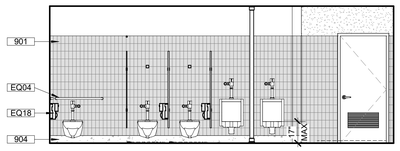
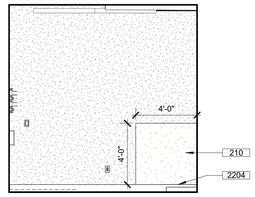
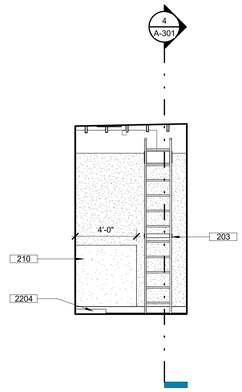
KEYNOTE LEGEND	
Key Value	Keynote Text
203	ROOF ACCESS LADDER
206	DRINKING FOUNTAIN
210	FRP PANEL
213	MOP SINK & FAUCET - S.P.D. 8/A-563
602	TOILET PARTITION WITH 1" NOM THICKNESS UON
804	HM DOOR, TYPICAL AT EXTERIOR
901	TYP. 3"X6" TILE PATTERN PER DETAIL 8/A-401
904	WALL BASE PER SCHEDULE - TYP.
2203	HAND WASH SINK - S.P.D
2204	MOP SINK & FAUCET - S.P.D.
EQ04	GRAB BARS 42" (MOUNTING PER 6/G-021)
EQ05	GRAB BARS 36" (MOUNTING PER 6/G-021)
EQ06	TOILET TISSUE DISPENSER
EQ07	SURFACE MOUNTED SEAT COVER DISPENSER
EQ09	MIRROR 24"X36"
EQ10	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
EQ13	SOAP DISPENSER, OFCI
EQ18	SURFACE MOUNTED TOILET TISSUE DISPENSER
EQ19	PAPER TOWEL DISPENSER, OFCI
EQ26	MIRROR 18"x36" MOUNT PER 4/A-563



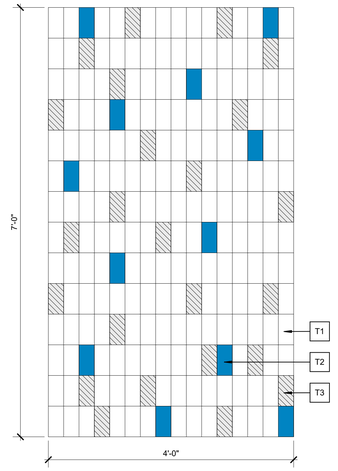
13 BOYS RR ELEVATION
1/4" = 1'-0"
NOTE: VERIFY MOUNTING HEIGHTS PER G-021



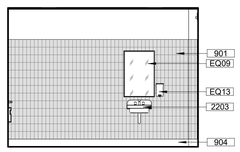
11 CUSTODIAL NORTH
1/4" = 1'-0"
NOTE: VERIFY MOUNTING HEIGHTS PER G-021



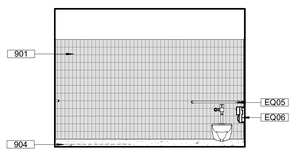
10 CUSTODIAL EAST
1/4" = 1'-0"
NOTE: VERIFY MOUNTING HEIGHTS PER G-021



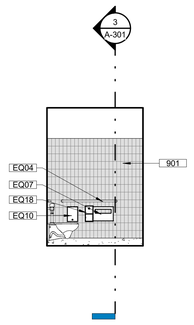
12 TYP TILE PATTERN
1" = 1'-0"



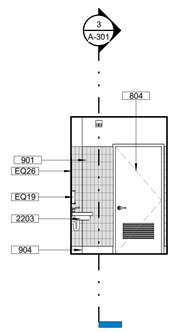
7 STAFF RESTROOM - SOUTH
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



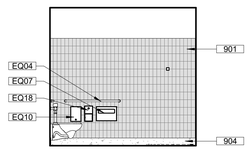
8 STAFF RESTROOM - NORTH
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



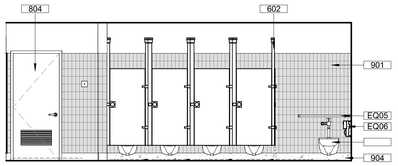
9 STAFF RESTROOM - EAST
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



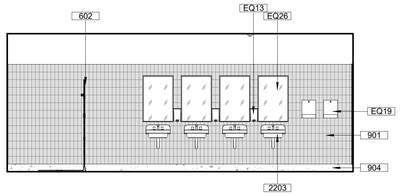
6 STAFF RESTROOM - WEST
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



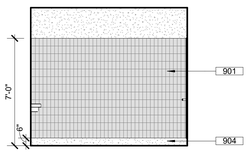
4 RESTROOM TYP. EAST (O.H. AT BOYS 110)
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



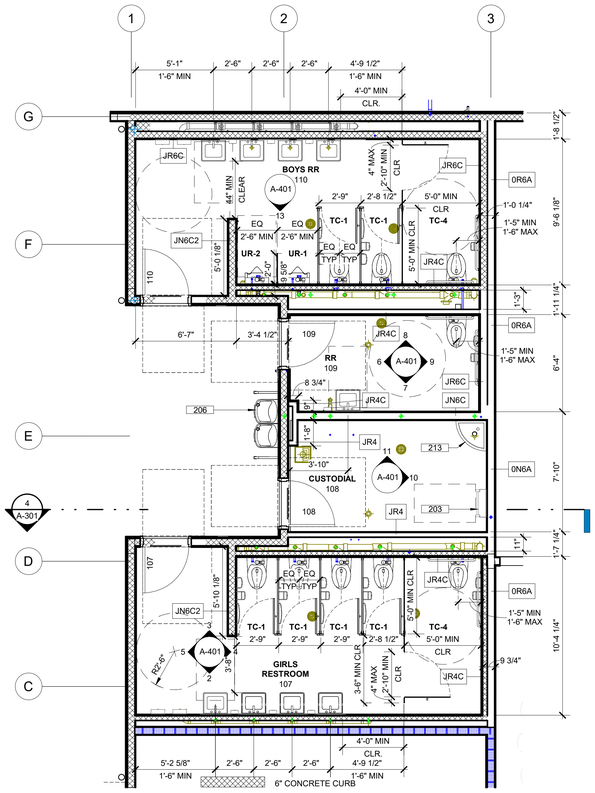
3 RESTROOM TYP. NORTH
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



2 RESTROOM TYP. SOUTH (O.H. AT BOYS 110)
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



5 RESTROOM TYP. WEST
1/4" = 1'-0"
NOTE: MOUNTING HEIGHTS PER G-021



1 RESTROOMS
1/4" = 1'-0"

Inglewood Unified School District

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IUSD Bennett-Kew P-8 Academy

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Enlarged Floor Plans & Interior Elevations

A-401

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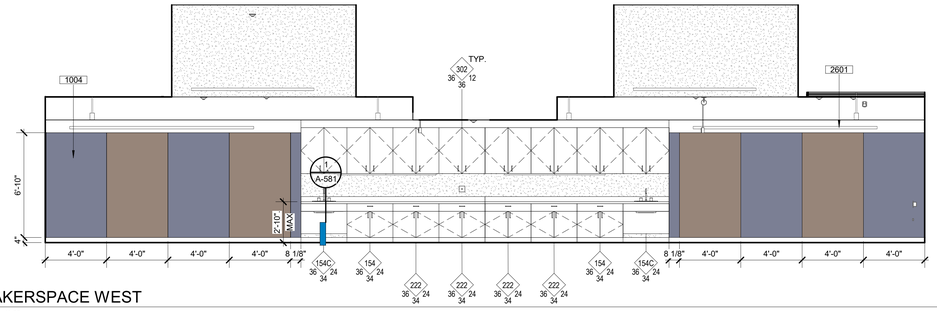
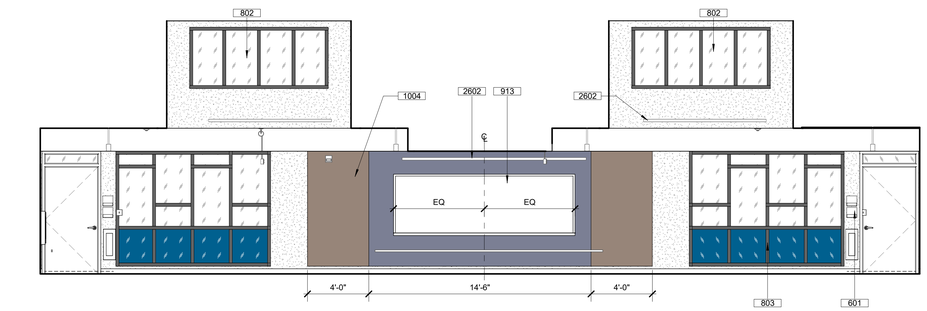
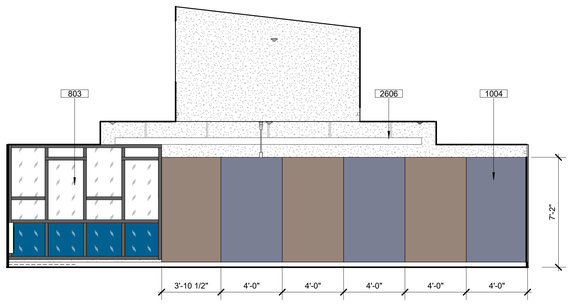


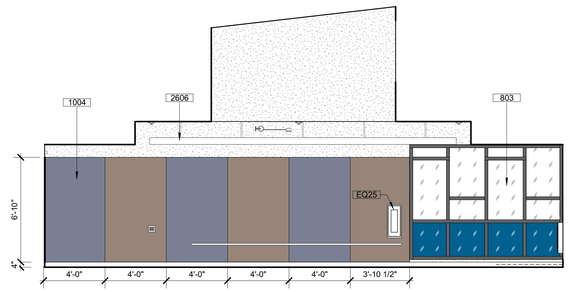
9 MAKERSPACE WEST
1/4" = 1'-0"



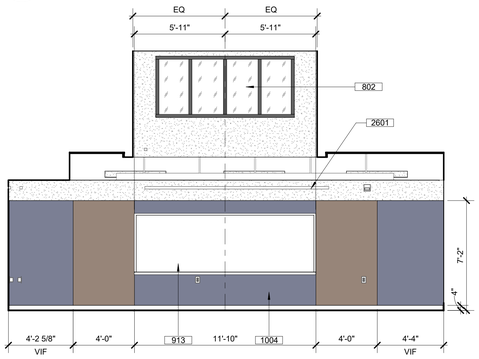
10 MAKERSPACE EAST
1/4" = 1'-0"



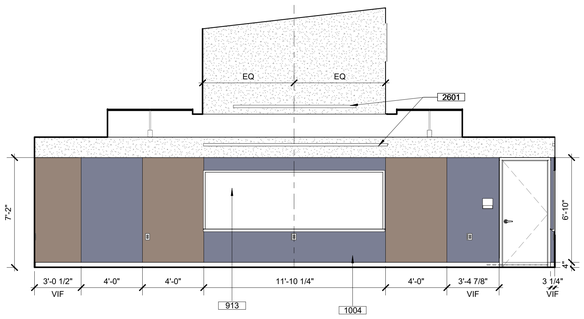
3 MAKERSPACE SOUTH
1/4" = 1'-0"



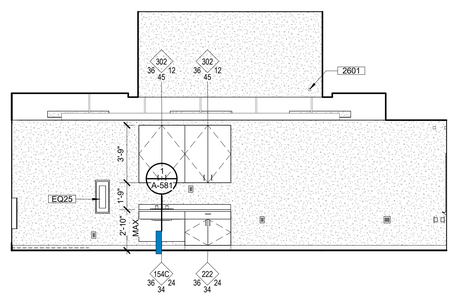
4 MAKERSPACE NORTH
1/4" = 1'-0"



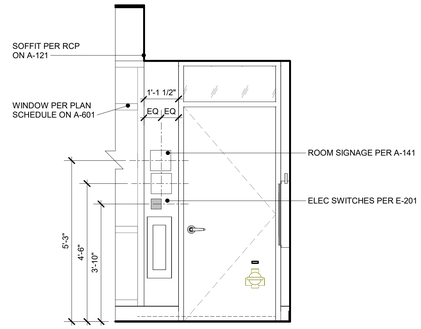
6 CLASSROOM TYP. - WEST
1/4" = 1'-0"



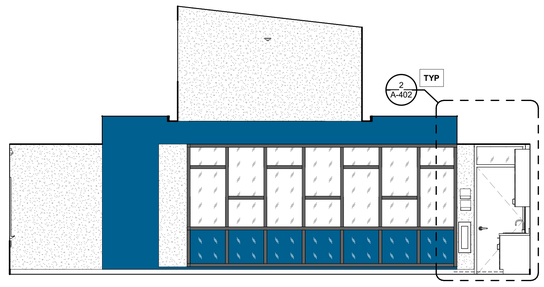
8 CLASSROOM TYP. - NORTH
1/4" = 1'-0"



7 CLASSROOM TYP. - EAST
1/4" = 1'-0"



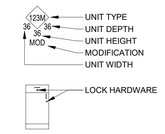
2 TYPICAL CLASSROOM DOOR
1/2" = 1'-0"



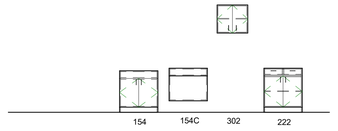
5 CLASSROOM TYP. - SOUTH
1/4" = 1'-0"

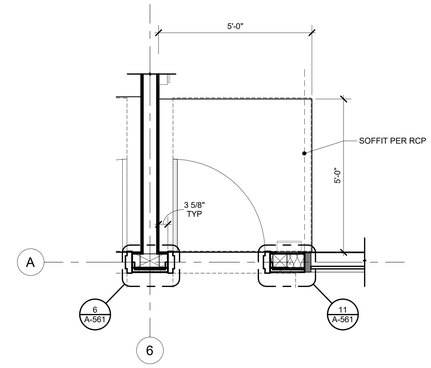
KEYNOTE LEGEND	
Key Value	Keynote Text
601	EXTERIOR SIGNAGE PER A-141 AND GENERAL DETAILS ON G-004
802	ALUMINUM CLERESTORY WINDOW PER A-601
803	ALUMINUM WINDOW PER SCHEDULE ON SHEET A-601
913	WHITEBOARD. SEE 3/A563
1004	TACKABLE WALL PANELS
2601	SURFACE MOUNTED LIGHT FIXTURE - S.E.D.
2602	WALL MOUNTED EXTERIOR LIGHT FIXTURE - S.E.D.
2606	HANGING LIGHT FIXTURE - S.E.D.
EQ25	SEMI-RECESSED FIRE EXTINGUISHER CABINET PER 9/A-563

CASEWORK LEGEND



UNIT TYPE AS DEFINED BY CDS (AW/NAAWI CABINET DESIGN SERIES NUMBER)





1 TYP. CLASSROOM DOOR
1/2" = 1'-0"

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Enlarged Floor Plans & Interior Elevations

A-402

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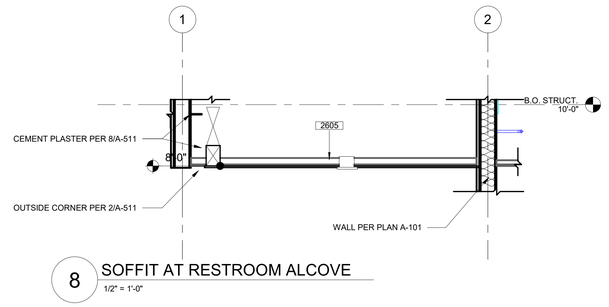
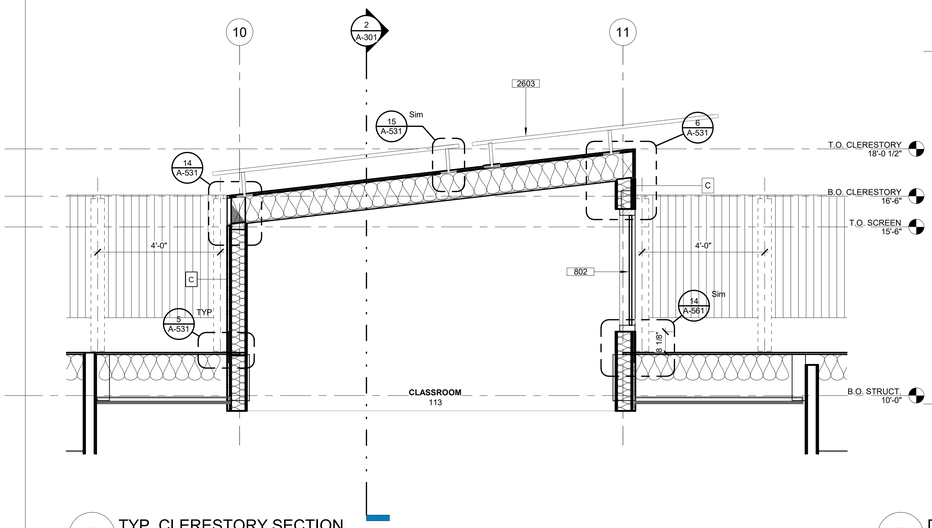
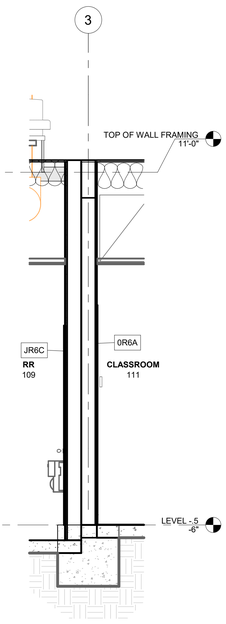
KEYNOTE LEGEND	
Key Value	Keynote Text
301	MECHANICAL EQUIPMENT - S.M.D.
303	CONCRETE SLAB ON GRADE
605	COUNTERTOP W/ 4" BACKSPLASH, TYP.
701	EXTERIOR CEMENT PLASTER OVER STUD WALL. TYPICAL AT ALL EXTERIOR WALLS, U.O.N. - REFER TO A-511 AND STRUCTURAL DRAWINGS
708	CEMENT PLASTER CONTROL JOINT, TYP. - SEE 2/A-511
709	SINGLE-PLY ROOF ASSEMBLY, SEE SHEET A-500
802	ALUMINUM CLERESTORY WINDOW PER A-601
803	ALUMINUM WINDOW PER SCHEDULE ON SHEET A-601
1003	FULL HEIGHT TACKABLE WALL PANELS
2603	PV ARRAY - S.E.D.
2605	RECESSED LIGHT FIXTURE - S.E.D



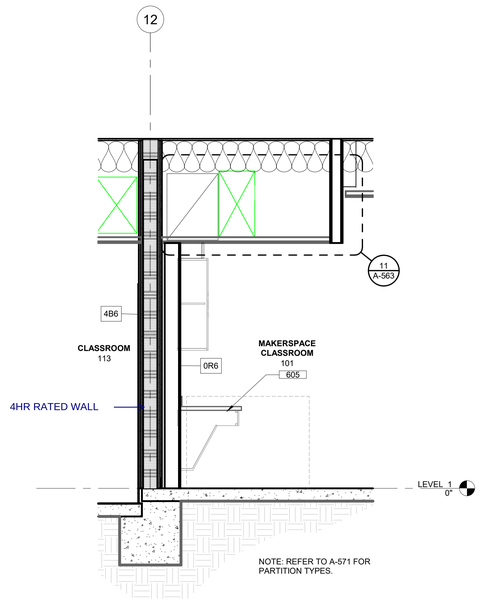
8 SOFFIT AT RESTROOM ALCOVE
1/2" = 1'-0"



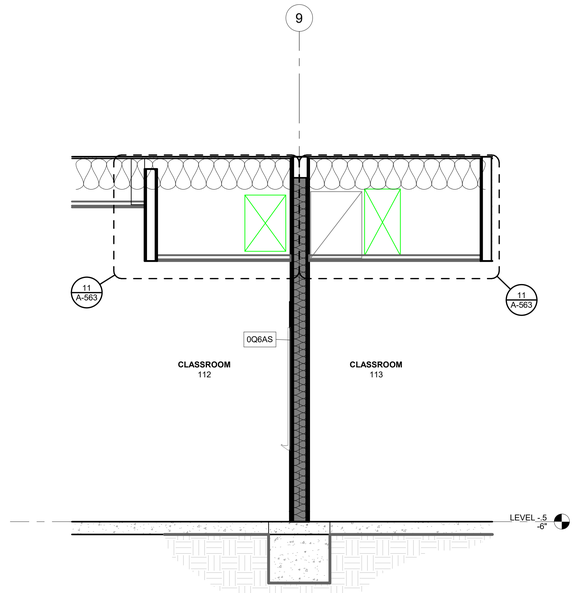
5 TYP. CLERESTORY SECTION
1/2" = 1'-0"



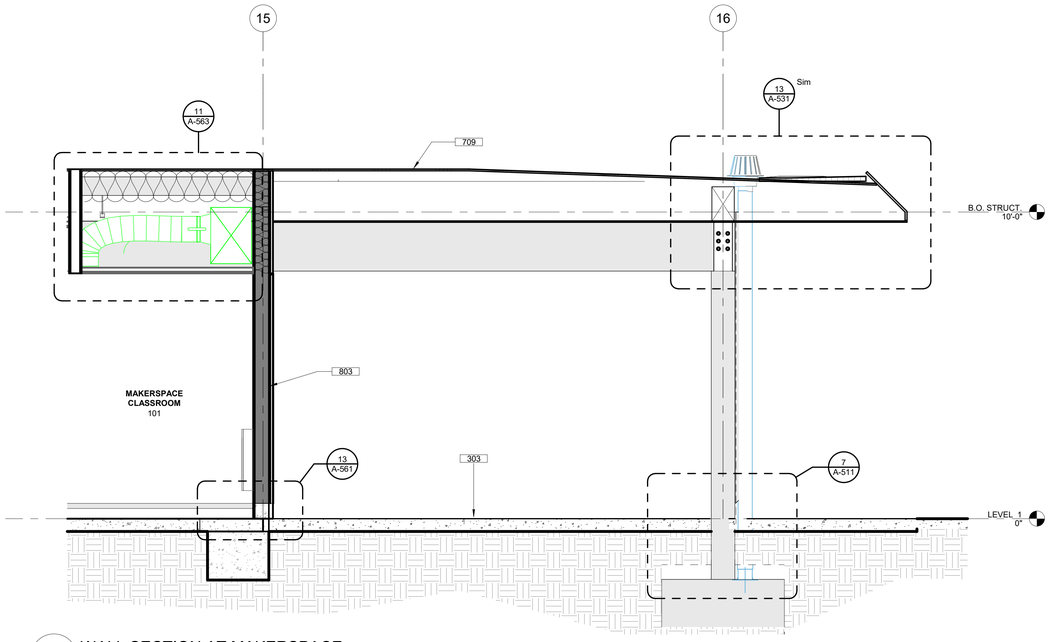
7 Detail 4
1/2" = 1'-0"



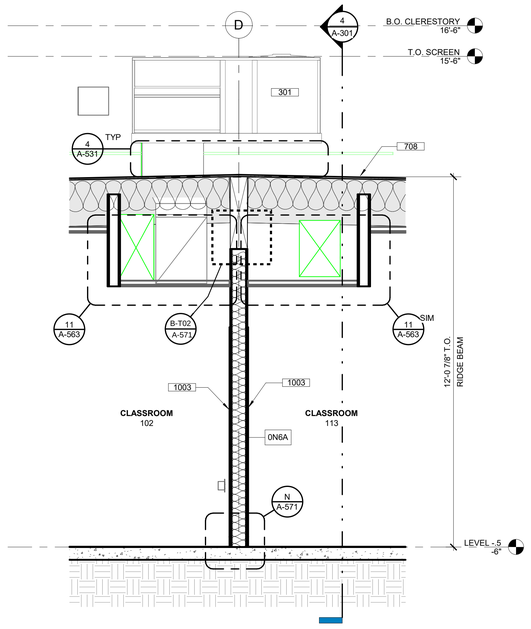
6 Fire rated wall at Makerspace
1/2" = 1'-0"



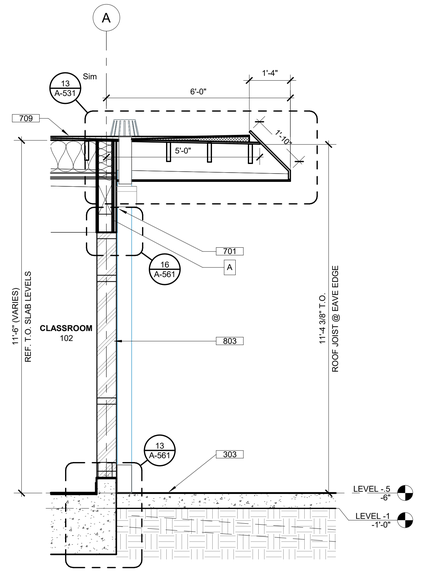
4 WALL PROFILE CROSS
1/2" = 1'-0"



3 WALL SECTION AT MAKERSPACE
1/2" = 1'-0"



2 WALL SECTION AT MECHANICAL BULKHEAD
1/2" = 1'-0"



1 WALL PROFILE
1/2" = 1'-0"

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Exterior Wall Profiles & Interior Sections

A-501

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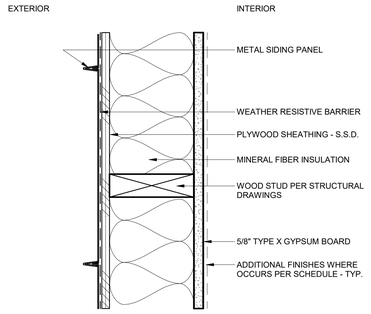
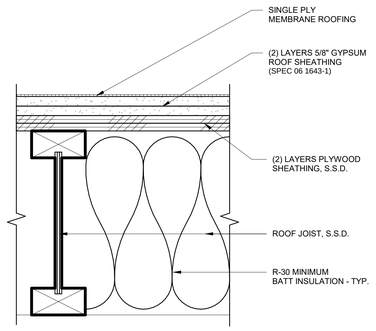
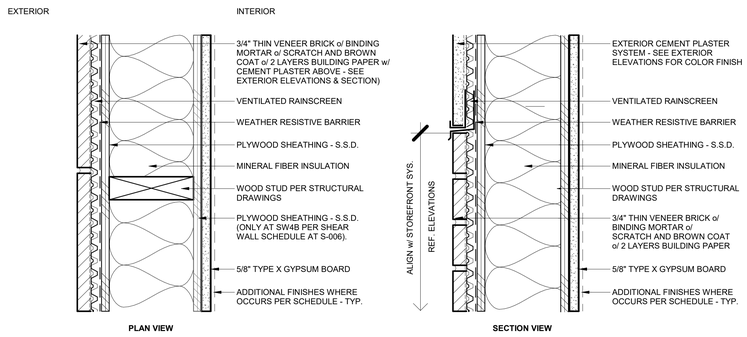


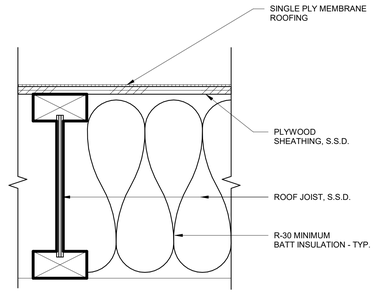
3 EXT WALL TYPE - C
3" = 1'-0"



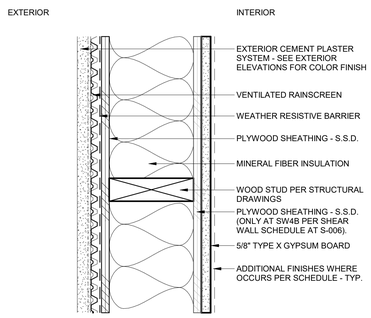
6 SINGLE PLY ROOF ASSEMBLY w/ ACOUSTIC DAMPENING (R-2)
3" = 1'-0"



2 EXT WALL TYPE - B
3" = 1'-0"



5 SINGLE PLY ROOF ASSEMBLY (R-1)
3" = 1'-0"



1 EXT WALL TYPE - A
3" = 1'-0"

Inglewood Unified School District

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LICENSED ARCHITECT
WILLIAM P. MCDONALD
C-36143
4/30/2027
STATE OF CALIFORNIA

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2023-IU002-002

Exterior Wall Type & Roof Assemblies

A-502

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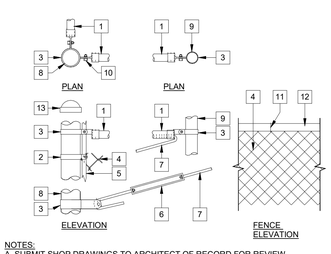
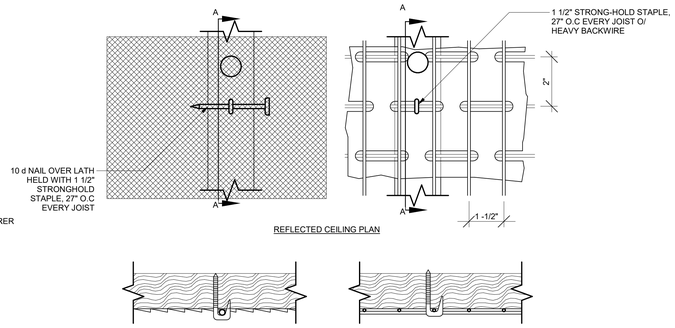
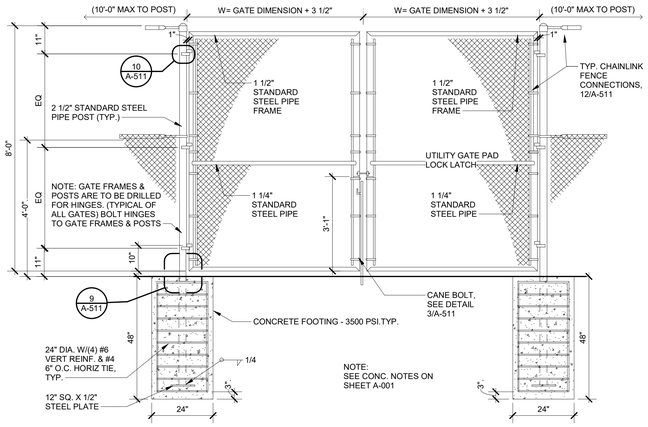


1	BRACE RAIL
2	TENSION BAND
3	BRACE BAND
4	CHAIN LINK FABRIC
5	TENSION FLAT BAR
6	TURNBUCKLE
7	TRUSS ROD
8	CORNER OR END POST
9	LINE POST
10	BOLT & NUT - VERIFY WITH MANUFACTURER
11	RAIL TIE WIRE
12	TOP RAIL
13	DOME POST CAP, SIZE TO MATCH POST

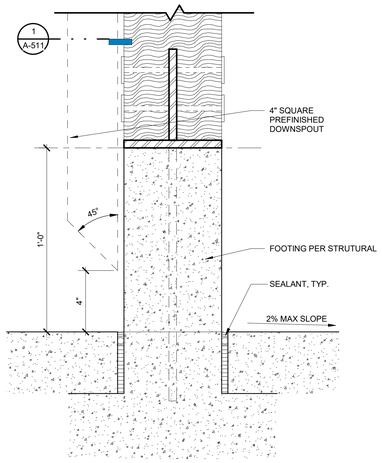
NOTES:
A. SUBMIT SHOP DRAWINGS TO ARCHITECT OF RECORD FOR REVIEW.
B. CONTRACTOR TO VERIFY ALL ATTACHMENTS/DIMENSIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
C. ANY COMPONENT REQUIRED FOR A COMPLETE FENCE SYSTEM, BUT NOT SHOWN, SHOULD BE CONSIDERED A PART OF THESE DRAWINGS AND INCLUDED IN THE FINAL INSTALLED SYSTEM.

12 CHAINLINK FENCE CONNECTIONS
1 1/2" = 1'-0"

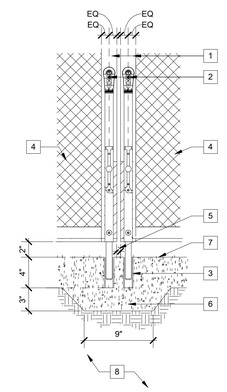




11 DOUBLE UTILITY GATE
1/2" = 1'-0"



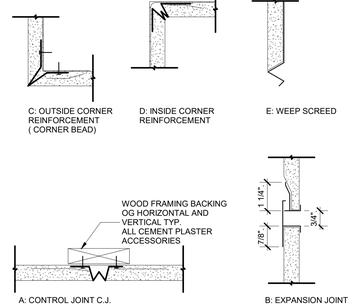
7 COLUMN BASE
3" = 1'-0"



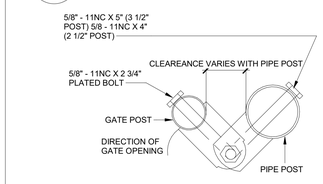
1	GATE FRAME
2	KEY LOCKABLE DROP BOLT BY LOCINOX. INSTALL ONTO GATE FRAME OR STEEL KICK PLATE (WHEN OCCURS).
3	1" I.D. GALVANIZED PIPE SLEEVE SET IN CONCRETE
4	CHAINLINK MESH
5	DIMENSION VARIES - 1/2" @ GATES WITH PANIC HARDWARE. 2" @ STANDARD/WHEELED GATES.
6	THICKENED CONCRETE SECTION
7	FINISH SURFACE
8	COMPACTED SUBGRADE

NOTES:
A. ALL HARDWARE FINISH AND 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. PROVIDE SLEEVE FOR BOTH OPEN AND CLOSED POSITIONS, TYPICAL ALL GATES. OPEN POSITION IS 180 DEGREES OR THE FURTHEST ANGLE ALLOWABLE.
D. DOUBLE CANE BOLT ONLY LOCATED ON VEHICULAR ACCESS GATES.
E. ALL GATE HARDWARE TO BE GALVANIZED.

3 DOUBLE CANE BOLT DETAIL
1 1/2" = 1'-0"

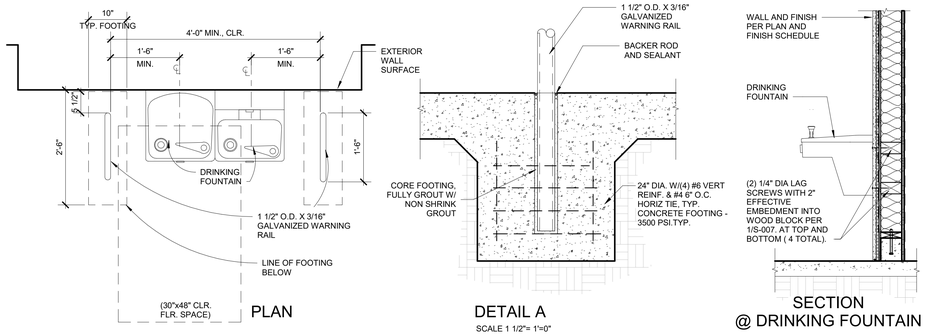


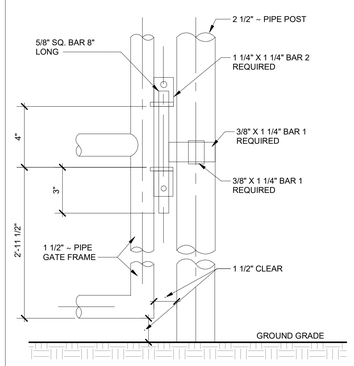
2 CEMENT PLASTER ACCESSORIES
1 1/2" = 1'-0"



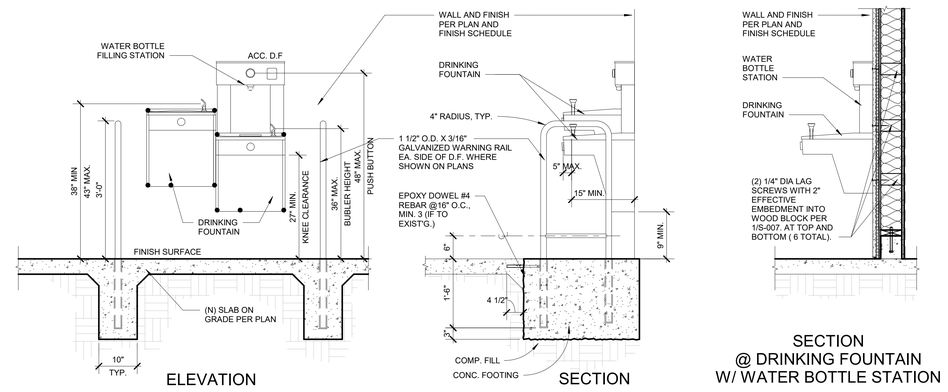
10 GATE HINGE DETAIL
3" = 1'-0"

NOTE: DRINKING FOUNTAIN WATER FLOW; THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MINIMUM AND SHALL BE LOCATED 5" MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE THE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED 3" AND 5" MAXIMUM FROMT THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

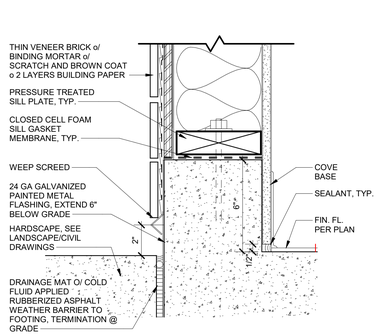




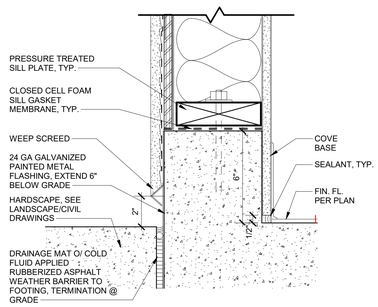
9 GATE HINGE DETAIL 2
3" = 1'-0"



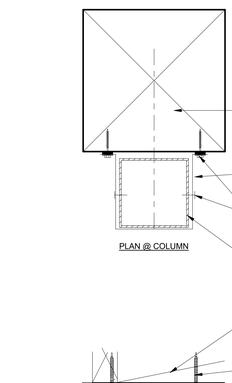
6 DRINKING FOUNTAIN W/ BOTTLE FILLER
3/4" = 1'-0"

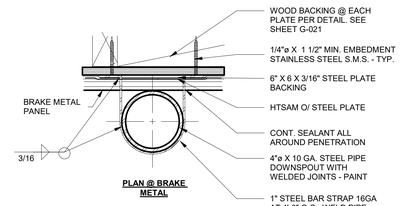


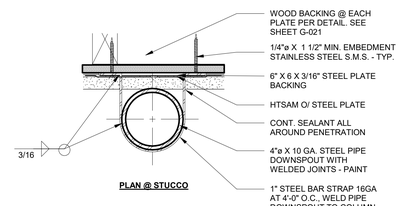
5 WALL SILL DETAIL @ BRICK
3" = 1'-0"



4 WALL SILL DETAIL @ PLASTER
3" = 1'-0"







1 TYP. DOWNSPOUT BRACKET
3" = 1'-0"

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LICENSED ARCHITECT WILLIAM J. RAWNSLEY C-36143 4/30/2027 STATE OF CALIFORNIA

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2023-IU002-002

Exterior Details

DSA A# 03-124773 FILE # 19-48

A-511

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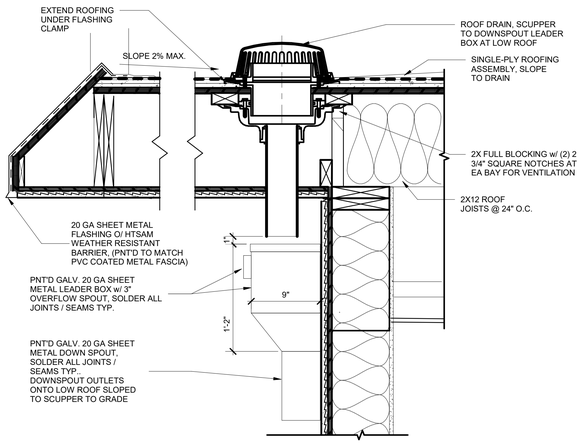
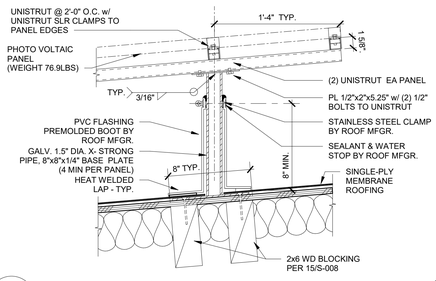


13 ROOF SCUPPER

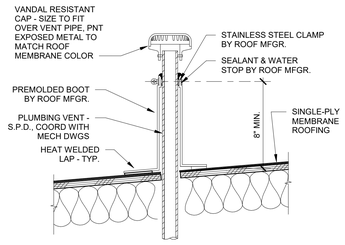
1 1/2" = 1'-0"

A-501



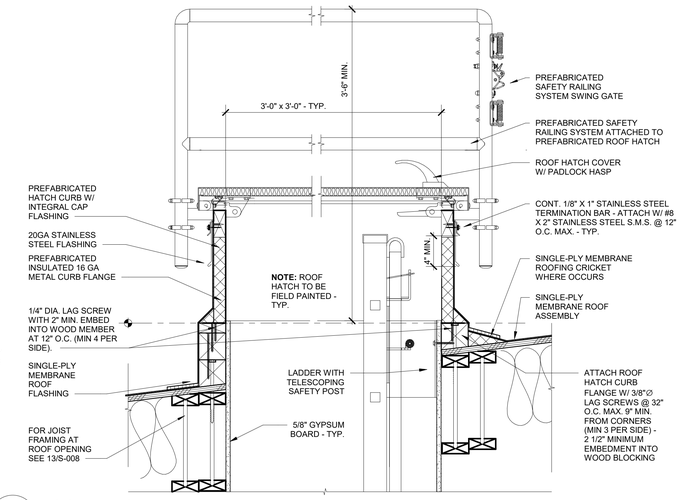
15 TYP. PV ATTACHMENT

1 1/2" = 1'-0"



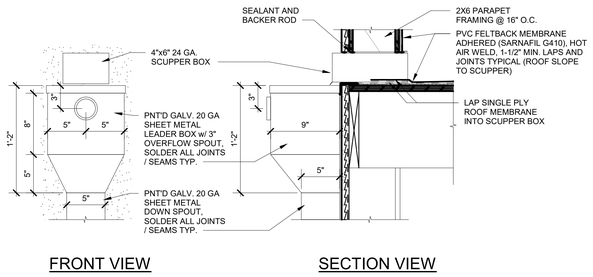
7 TYP. VENT PIPE PENETRATION

1 1/2" = 1'-0"



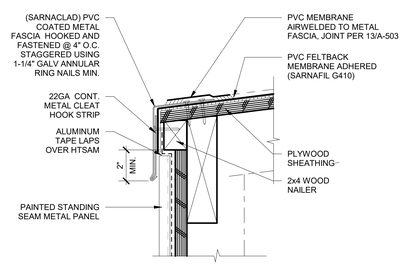
3 ROOF HATCH

1 1/2" = 1'-0"



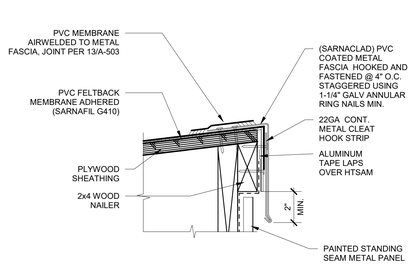
12 SCUPPER AT LOW PARAPET

1 1/2" = 1'-0"



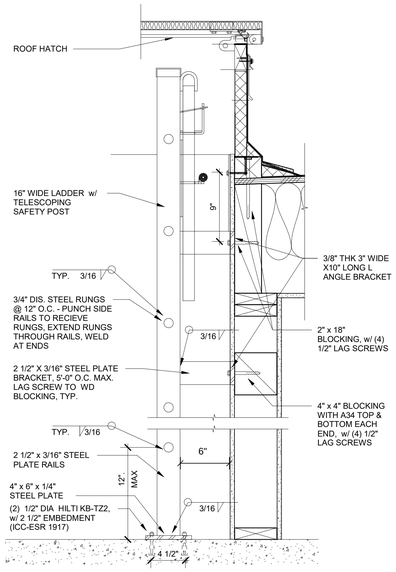
14 PVC METAL EDGE FASCIA Copy 1

3" = 1'-0"



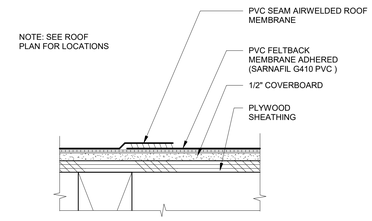
6 PVC METAL EDGE FASCIA

3" = 1'-0"



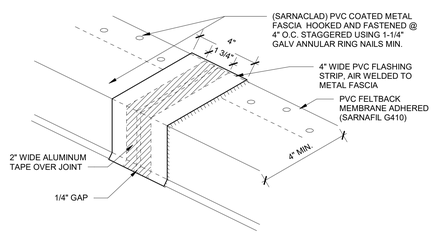
2 ROOF LADDER

1 1/2" = 1'-0"



11 PVC STANDING SEAM PROFILE

3" = 1'-0"



9 PVC METAL EDGE FASCIA JOINT

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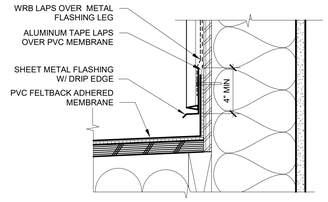
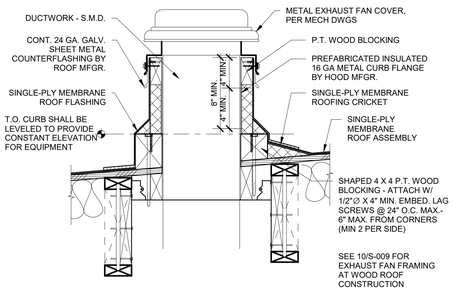


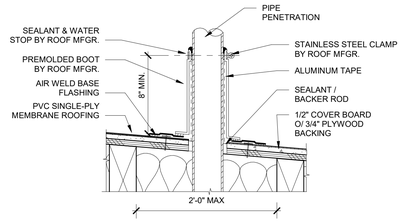
5 FLASHING @ PVC ROOF CLERESTORY

3" = 1'-0"



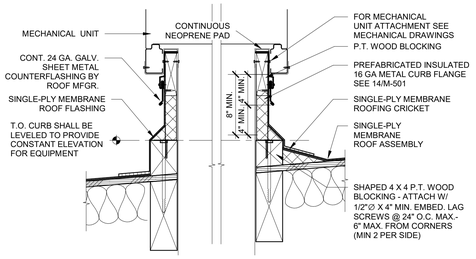
10 TYP. EXHAUST FAN ROOF CURB

1 1/2" = 1'-0"



8 ROOF ASSEMBLY PIPE FLASHING

1 1/2" = 1'-0"



4 TYP. MECHANICAL EQUIPMENT CURB

1 1/2" = 1'-0"

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IUSD Bennett-Kew P-8 Academy

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DSA A# 03-124773 FILE # 19-48

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Roof Details

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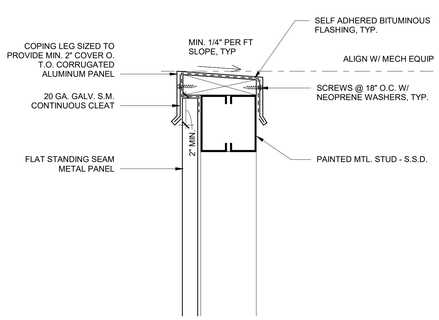
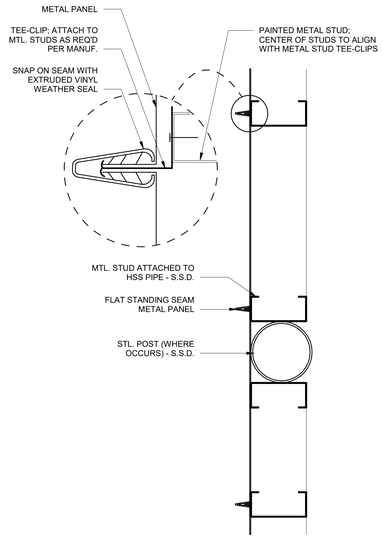
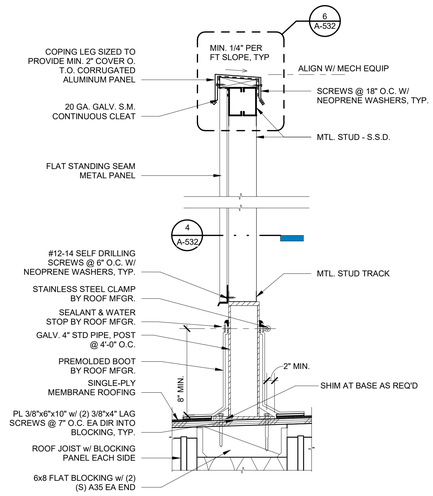


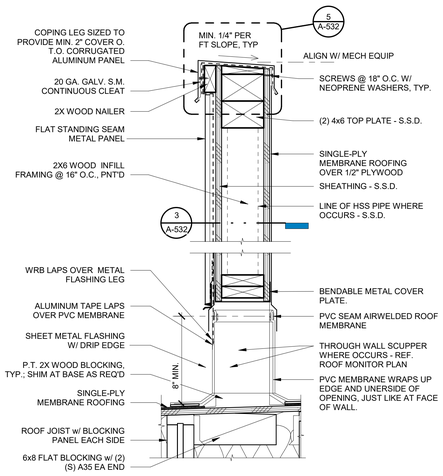
6 TYP. COPING CAP AT MECH. SCREEN
3" = 1'-0"



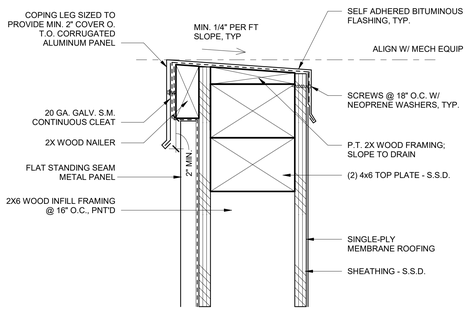
4 TYP. MECHANICAL SCREEN - PLAN
3" = 1'-0"



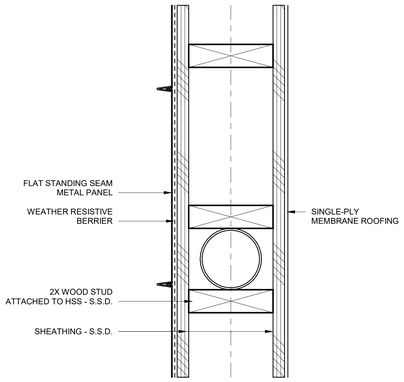
2 TYP. MECHANICAL SCREEN
1 1/2" = 1'-0"



7 ROOF SCUPPER AT MECHANICAL SCREEN
1 1/2" = 1'-0"



5 TYP. COPING CAP AT MECH. SCREEN SHEAR WALL
3" = 1'-0"



3 TYP. MECHANICAL SCREEN SHEAR WALL- PLAN
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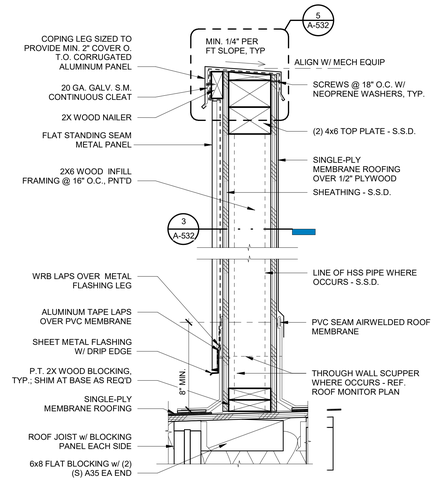

1 TYP. MECHANICAL SCREEN SHEAR WALL
1 1/2" = 1'-0"

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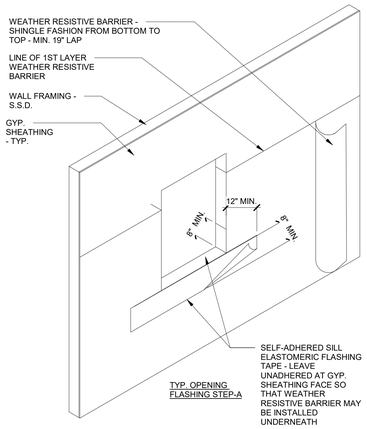
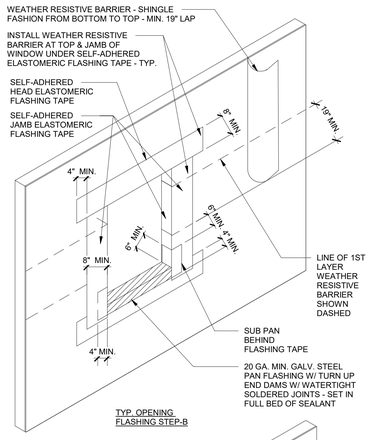
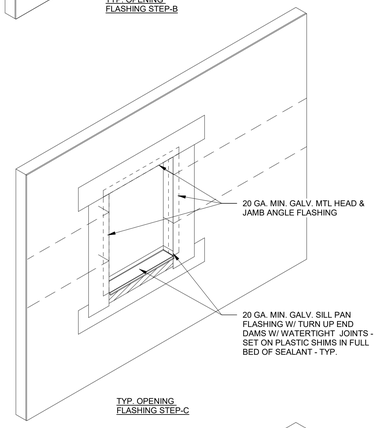
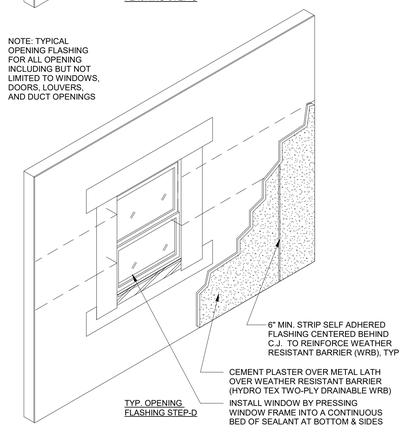
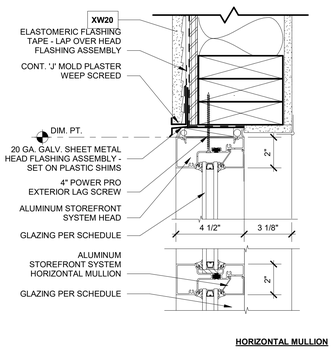




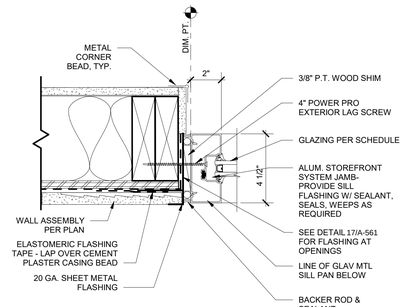




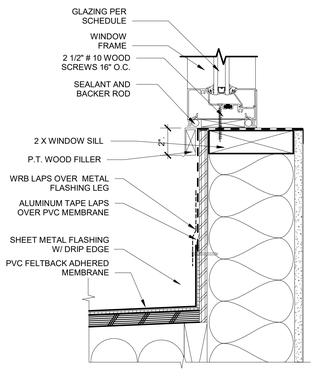
17 TYP. OPENING FLASHING INSTALLATION
1/2" = 1'-0"



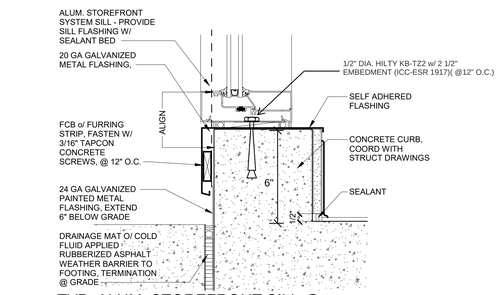
16 TYP. STOREFRONT HEAD @ STUCCO
3" = 1'-0"



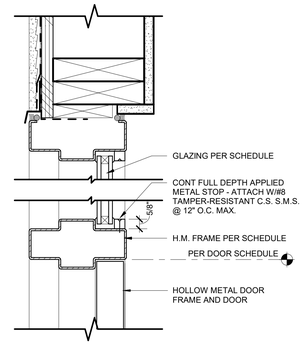
15 TYP. STOREFRONT JAMB @ STUCCO
3" = 1'-0"



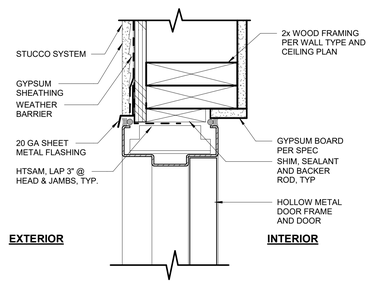
14 TYP. ALUM. STOREFRONT SILL @ PLASTER
3" = 1'-0" A-501



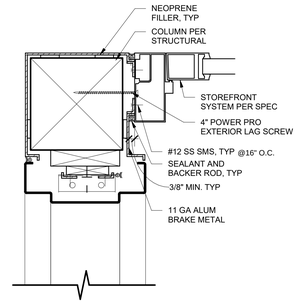
13 TYP. ALUM. STOREFRONT SILL @ CURB BASE
3" = 1'-0"



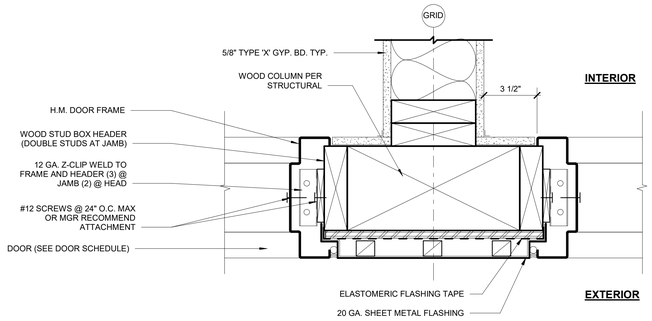
9 DOOR HEADER DETAIL - TRANSOM
3" = 1'-0"



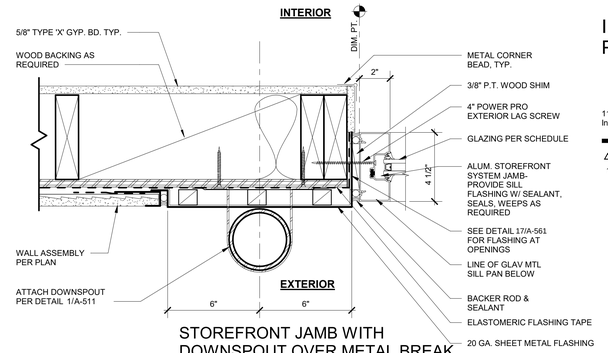
8 DOOR_HM HEAD AT STUCCO
3" = 1'-0"



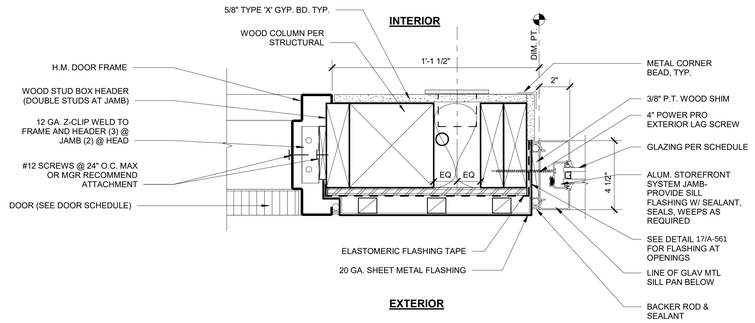
4 DOOR_STOREFRONT @ COLUMN
3" = 1'-0"



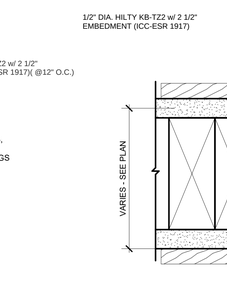
6 DOOR JAMB & COLUMN WRAP
3" = 1'-0"



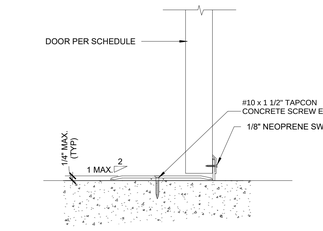
STOREFRONT JAMB WITH DOWNSPOUT OVER METAL BREAK PANEL
2 3" = 1'-0"



11 STOREFRONT JAMB @ DOOR JAMB
3" = 1'-0"

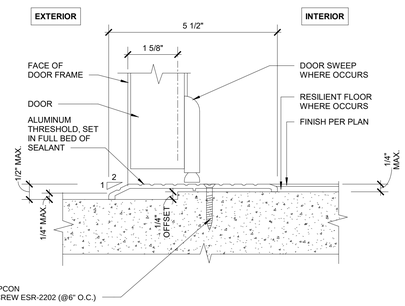


7 DOOR JAMB - WOOD
6" = 1'-0"



NOTE: ATTACH THRESHOLD PER MANUFACRTURERS SPECIFICATION

5 INTERIOR THRESHOLD DETAIL 3
3" = 1'-0"



1 DOOR THRESHOLD DETAIL TYP.1
6" = 1'-0"

Inglewood Unified School District

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IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave,
Inglewood, CA 90303

△	Date	Issued For
1	11/5/2024	DSA SUBMITTAL

DSA A# 03-124773 FILE # 19-48

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WWW.HED.DESIGN

LICENSED ARCHITECT WILLIAM J. MCGINNIS C-36143 4/30/2027 STATE OF CALIFORNIA

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2023-IU002-002

Opening Details

A-561

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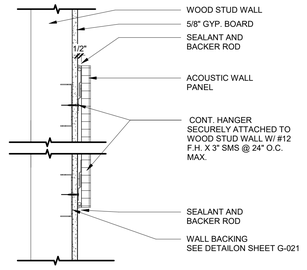
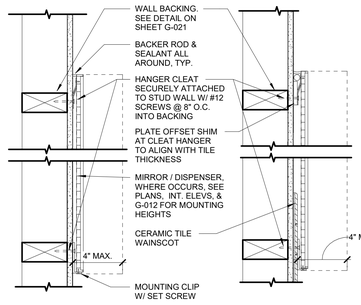
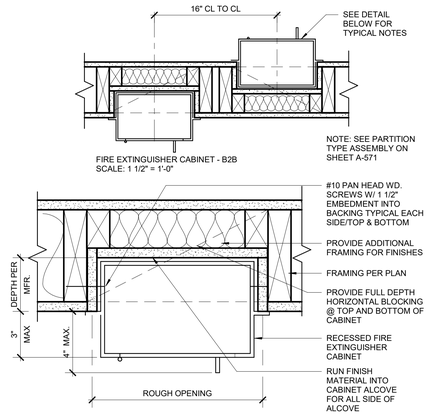


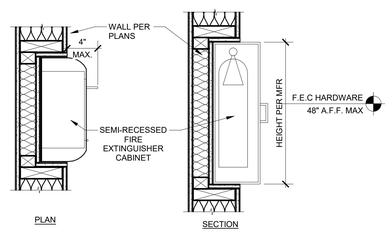
10 ACOUSTIC WALL PANEL
1 1/2" = 1'-0"

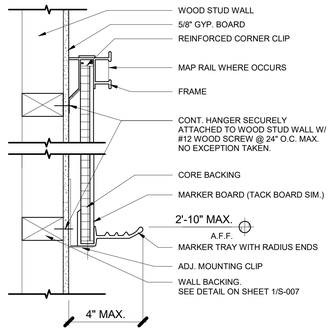


4 MIRROR / DISPENSER
1 1/2" = 1'-0"

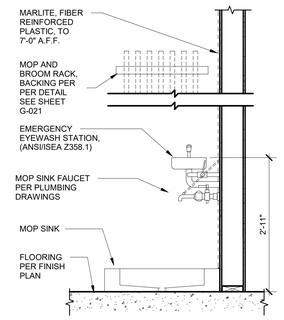


9 SEMI RECESSED FIRE EXTINGUISHER CABINET
1 1/2" = 1'-0"

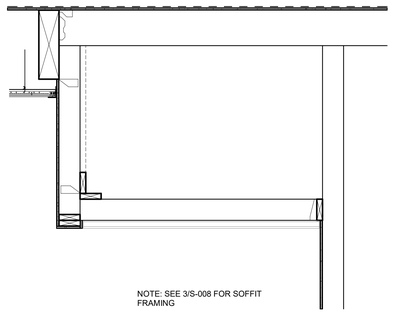




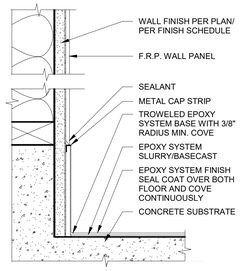
3 MARKER BOARD
1 1/2" = 1'-0"



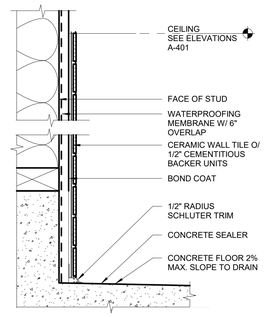
8 MOP SINK WITH BROOM RACK
3/4" = 1'-0"



11 TYPICAL SOFFIT
3/4" = 1'-0"



6 EPOXY FLOOR COVE BASE
3" = 1'-0"



5 CERAMIC TILE FLOOR DETAIL
3" = 1'-0"

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Interior Details

A-563

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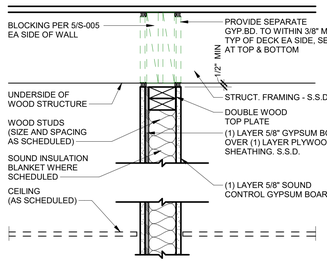
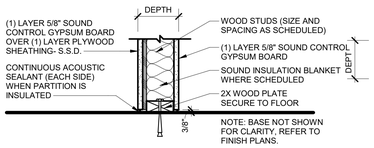
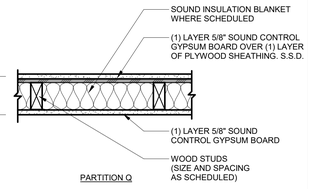


TYPE	DEPTH	FRAMING		DETAILS		INSUL THK	FIRE RATING	TESTED ASSEMBLY	STC RATING
		WIDTH	SPACING (OC)	BOTTOM	TOP				
0Q6AS	7 7/32"	5 1/2"	16"	B01	T01	5 1/2"			49
1Q6AS	7 7/32"	5 1/2"	16"	B01	T01	5 1/2"	1 HR		49

Q T01 PARTITION DETAIL Q-T01
1 1/2" = 1'-0"



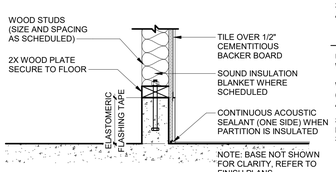
Q B01 PARTITION DETAIL Q-B01
1 1/2" = 1'-0"



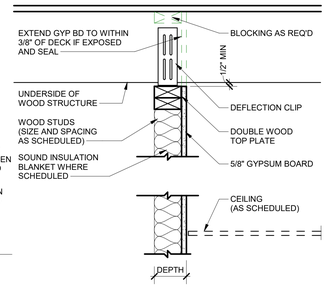
PARTITION Q

Q PARTITION Q
1 1/2" = 1'-0"

TYPE Q

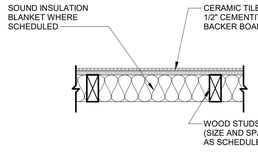


R B03 PARTITION DETAIL R-B03
1 1/2" = 1'-0"

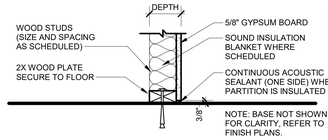


TYPE	DEPTH	FRAMING		DETAILS		INSUL THK	FIRE RATING	TESTED ASSEMBLY	STC RATING
		WIDTH	SPACING (OC)	BOTTOM	TOP				
0R6	6 1/8"	5 1/2"	16"	B01	T01				
0R6A	6 1/8"	5 1/2"	16"	B01	T01	5 1/2"			49
JR4	4 1/8"	3 1/2"	16"	B02	T01				
JR4C	4 3/4"	3 1/2"	16"	B03	T01				
JR6C	6 3/8"	5 1/2"	16"	B03	T01				

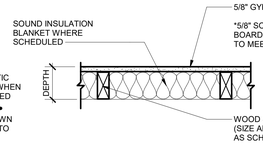
R T01 PARTITION DETAIL R-T01
1 1/2" = 1'-0"



PARTITION R - CERAMIC TILE



R B02 PARTITION DETAIL R-B02
1 1/2" = 1'-0"



R B01 PARTITION DETAIL R-B01
1 1/2" = 1'-0"

R PARTITION R
1 1/2" = 1'-0"

TYPE R

PARTITION NOTES

1. PROVIDE NON-COMPOSITE METAL FRAMING ASSEMBLIES OF METAL STUD DEPTH AND SPACING AS INDICATED FOR PROJECT SPECIFIC SPANS MEETING AN ALLOWABLE DEFLECTION OF L/240 WITH LATERAL LOAD OF AT LEAST 5 PSF FOR LIMITING HEIGHTS. PROVIDE 20 GA. STUDS (MINIMUM). PROVIDE HEAVIER GAUGE AND/OR WIDER FLANGE WIDTH TO MEET STATED PERFORMANCE REQUIREMENTS FOR LIMITING HEIGHTS. COMPLY WITH METAL FRAMING MANUFACTURER'S REQUIREMENTS FOR BRACING STUD FLANGES AND PROVIDING HORIZONTAL BRIDGING AT 48" O.C. MAXIMUM VERTICAL SPACING.
2. TO THE EXTENT POSSIBLE, FIRE RATED WALLS SHALL BE COMPLETELY AND CONTINUOUSLY CONSTRUCTED FIRST (EXCEPT FOR FINAL FINISH), WITH OTHER NON-RATED WALLS CONSTRUCTED TO THEM.
3. FIRE RATED WALLS EXTEND FULL HEIGHT TO STRUCTURE ABOVE AND SEAL TO DECK UNLESS DETAILED OTHERWISE.
4. USE GALVANIZED CORNER BEADS AND EDGE TRIM IN EXPOSED WORK.
5. MOVEMENT CONTROL:
   A. PROVIDE FOR VERTICAL MOVEMENT AT THE HEAD OF CONSTRUCTION AS INDICATED IN THE NOTES ON THE DRAWINGS. CONNECT HEAD RUNNER CHANNEL TO THE UNDERSIDE OF STRUCTURE AS INDICATED ON THE DRAWINGS; CUT STUDS SHORT TO ALLOW FOR VERTICAL MOVEMENT IN ACCORDANCE WITH NOTE BELOW, AND DO NOT FASTEN TO HEAD RUNNER CHANNEL; FASTEN GYPSUM BOARD TO STUDS ONLY.
   B. ALLOW FOR A MIN OF 1" VERTICAL MOVEMENT FOR PARTITIONS BELOW SLABS, BEAMS OR TRUSSES.
   C. ALLOW FOR ½" RACKING OF PARTITIONS BUILT NEXT TO VERTICAL ELEMENTS (i.e. COLUMNS, WALLS, EXTERIOR WALLS).
6. PROVIDE ABUSE RESISTANT GYPSUM BOARD AT STAIR SIDES OF STAIR ENCLOSURE PARTITIONS..
7. SOUND CONTROL:
   A. SEAL OPENINGS AT OUTLETS, SWITCHES, MECHANICAL OPENINGS AND PERIMETER CONDITIONS WITH ACOUSTIC SEALANT.
   B. PROVIDE SOUND ATTENUATION BLANKETS WHERE INDICATED.
8. PENETRATIONS AT SMOKE AND FIRE RATED ASSEMBLIES SHALL BE PROTECTED, SEALED AND DAMPERED, USING UL OR OTHER AHJ APPROVED METHODS, MATERIALS AND INSTALLATION, AS REQUIRED TO MAINTAIN THE ASSEMBLY'S RATING AND SMOKE RESISTANT REQUIREMENTS. ALL MATERIALS AND INSTALLATION DETAILS SHALL CONFORM TO UL LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS" WHERE APPLICABLE. CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER, OF THE FIRE STOP MATERIAL, THAT SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SUCH DRAWINGS SHALL BE AVAILABLE TO AHJ INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION TYPE.
9. WHERE IDENTIFIED ON DRAWINGS, SMOKE BARRIERS/PARTITIONS SHALL BE CONTINUOUS FROM INSIDE FACE OF SHEATHING OF OUTSIDE WALLS, FROM FIRE BARRIER TO FIRE BARRIER, FROM SMOKE BARRIER TO SMOKE BARRIER AND FROM FLOOR SLAB TO FLOOR OR ROOF SLAB ABOVE, THEREBY PROVIDING CONTINUITY THROUGH ALL CONCEALED SPACES. COMPLETELY SEAL ALL OPENINGS WHERE THE SMOKE BARRIER ABUTS OTHER SMOKE BARRIERS, FIRE BARRIERS, EXTERIOR WALLS, THE FLOOR BELOW AND THE FLOOR OR CEILING ABOVE.
10. LIGHT GAUGE METAL FRAMING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ASTM 754, "STANDARD SPECIFICATIONS FOR INSTALLATION OF STEEL FRAMING MEMBERS".
11. WALL TYPES SHOW BASE WALL CONSTRUCTION. BASE, TILE, WOOD PANELING / TRIM, ACOUSTICAL PANELS, ETC. MAY OCCUR AS SCHEDULED OR DETAILED ELSEWHERE.
12. AT FULL- HEIGHT PARTITIONS WHERE DUCTWORK OR OTHER OBSTACLES PREVENT EXTENSION OF ALL STUDS TO DECK, FRAME STUDS AROUND OBSTACLES WITH HEADERS AND BRACING AS NECESSARY. PROVIDE DOUBLED STUDS AT ENDS OF OPENINGS TO DECK ABOVE..
13. LOCATE VERTICAL CONTROL JOINTS AT 30'-0" O.C.(MAX.) OR AS SHOWN ON PLANS OR NOTED AS "CJ" ON ELEVATIONS. CONFIRM CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO FRAMING.
14. PROVIDE 5/8" CEMENTITIOUS BACKER BOARD AT TILE (REFER TO ROOM FINISH PLANS/SCHEDULES FOR LOCATIONS AND HEIGHT). AT CONTRACTOR'S OPTION, PROVIDE 5/8" FIBERGLASS MAT TILE BACKER BOARD AT PARTITIONS SCHEDULED TO RECEIVE TILE IN NON-WET AREAS. SHOWER AREAS AND AREAS WITH TERRAZZO BASE TO RECEIVE CEMENTITIOUS BACKER BOARD ONLY.
15. GYPSUM BOARD FINISH TO BE LEVEL 4 UON.

PARTITION TYPES - NAMING

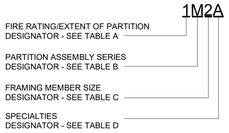


TABLE A - RATING/EXTENT OF PARTITION

DES.	CONDITION
0	NON-RATED, FULL-HEIGHT, BOTTOM 01/TOP 01
1, 2, 3, 4	RATING IN HOURS, FULL-HEIGHT, BOTTOM 02/TOP 02
J	NON-RATED, FULL HEIGHT W/ CONC. CURB, BOTTOM (VARIES/TOP (VARIES)

TABLE B - PARTITION ASSEMBLY SERIES

TYPE	SHEATHING	FRAMING	SHEATHING
B	2 LAYERS	MTL C-STUD	2 LAYERS
N	1 LAYER	WD STUD	1 LAYER
Q	2 LAYER	WD STUD	1 LAYERS
R	1 LAYER	WD STUD	NONE

TABLE C - FRAMING MEMBER SIZE

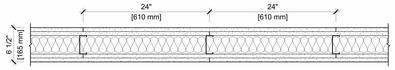
DES.	MTL STUD WIDTH		MTL C-H STUD WIDTH (NOM)	WD STUD WIDTH (NOM)	CMU WIDTH (NOM)
-			NO FRAMING		
0	7/8" HATCH			1"	10"
1	1 1/2" HATCH				
2	2 1/2"		2 1/2"	2"	12"
3	3 5/8"	(3 1/2" UL 490)	-	-	-
4	4"		4"	4"	4"
6	6"		6"	6"	6"
8	8"		-	8"	8"

TABLE D

DES.	CONDITION
-	-NONE, NOT APPLICABLE
A	-ACOUSTIC PARTITION
C	-CERAMIC TILE ON CEMENTITIOUS BOARD (*C2:TILE BOTH SIDES)
S	-STRUCTURAL
AS	-ACOUSTIC PARTITION & STRUCTURAL

DESIGN NO. **UL U490**

FIRE RATING:	4 HOURS
STC RATING:	48-52
SOUND TEST:	ESTIMATED RANGE
SYSTEM THICKNESS:	6-1/2" [165 MM]
LOCATION:	INTERIOR
FRAMING TYPE:	STEEL STUD (LOAD-BEARING)



ASSEMBLY REQUIREMENTS:

GYPSUM PANELS:	TWO LAYERS 3/4" [19 MM] SHEETROCK® ULTRACODE® GYPSUM PANEL (UL TYPE ULTRACODE)
STEEL STUDS:	3-1/2" [89 MM] STEEL STUDS, 20 GA. (0.033"), 24" [610 MM] O.C.
INSULATION:	3" [76 MM] MINERAL WOOL INSULATION
GYPSUM PANELS:	TWO LAYERS 3/4" [19 MM] SHEETROCK® ULTRACODE® GYPSUM PANEL (UL TYPE ULTRACODE)

GENERAL WALL NOTES:

1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.
2. FOR THE MOST UP-TO-DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.
3. WHERE DESIGN NO. INDICATES "PER", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLIES.
4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
5. STUD AND FASTENER SPACINGS ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.
7. FIRE-RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.
8. FIRE-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, DECREASE STUD SPACING, DECREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.
9. WHERE ACOUSTICAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.
10. SOUND-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, DECREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.

USG CGC

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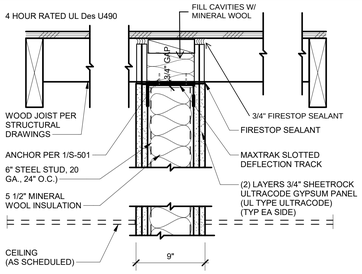
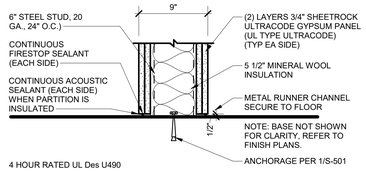
24/05/2021 1:27:50 PM

SHEET INFORMATION: SB-P-4-01



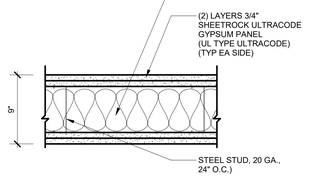
TYPE	DEPTH	FRAMING		DETAILS		INSUL THK	FIRE RATING	TESTED ASSEMBLY	STC RATING
		WIDTH	SPACING (OC)	BOTTOM	TOP				
4B6	9"	6"	16"	B02	T02	5 1/2"	4 HR	U490	48-52

B T02 PARTITION DETAIL B-T02
1 1/2" = 1'-0"



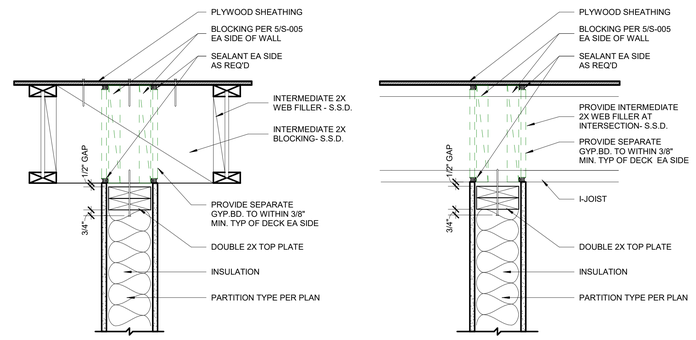
4 HOUR RATED UL Des U490

B B02 PARTITION DETAIL B-B02
1 1/2" = 1'-0"



B PARTITION B (UL U490)
1 1/2" = 1'-0"

TYPE B

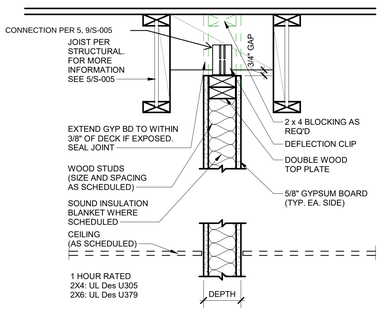


A: PARTITION PARALELL TO I-JOISTS

B: PARTITION PERPENDICULAR TO I-JOISTS

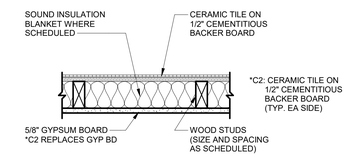
NOTE: SEE ALSO STRUCTURAL
DETAILS 9/S-005 & 20/S-005

1 PARTITION @ HEAD
1 1/2" = 1'-0"

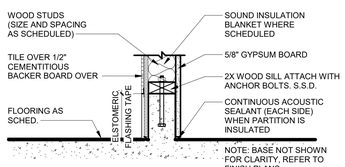


TYPE	DEPTH	FRAMING		DETAILS		INSUL THK	FIRE RATING	TESTED ASSEMBLY	STC RATING
		WIDTH	SPACING (OC)	BOTTOM	TOP				
0N6A	6 3/4"	5 1/2"	16"	B01	T01	5 1/2"			49
1N6	6 3/4"	5 1/2"	16"	B01	T01	5 1/2"	1 HR	U305/U379	
JN6C	7"	5 1/2"	16"	B04	T01	5 1/2"			
JN6C2	7 1/4"	5 1/2"	16"	B04	T01	5 1/2"			

N T01 PARTITION DETAIL N-T01
1 1/2" = 1'-0"



PARTITION N - CERAMIC TILE



N B04 PARTITION DETAIL N-B04
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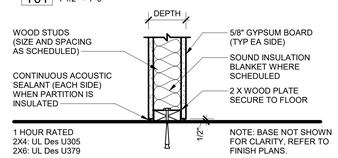

N B01 PARTITION DETAIL N-B01
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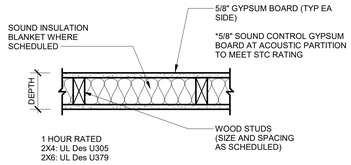

N PARTITION N
1 1/2" = 1'-0"

TYPE N

Inglewood Unified School District
401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy
11710 S Cherry Ave,
Inglewood, CA 90303

△	Date	Issued For
1	11/5/2024	DSA SUBMITTAL

DSA A# 03-124773 FILE # 19-48

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(213) 542-4500
WWW.HED.DESIGN

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2023-IU002-002

Partition Types

A-571

Autodesk Docs://2023-IU002-002_IUSD Bennett-Kew P-8 Academy/2023-IU002-002_Arch_HED.rvt

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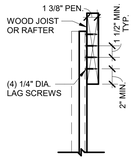
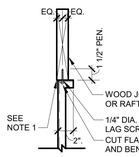
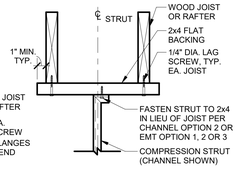


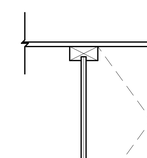




CHANNEL STRUT: OPTION 1

CHANNEL STRUT: OPTION 2

CHANNEL OR EMT STRUT: BETWEEN JOIST



EMT STRUT: OPTION 1

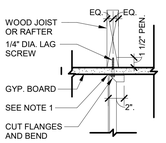
EMT STRUT: OPTION 2

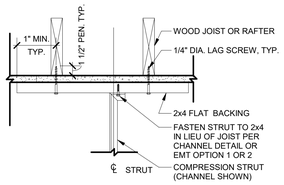
EMT STRUT: OPTION 3

NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF WOOD MEMBER.
2. VERTICAL LEG OF MEMBER TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.
3. SEE DETAIL _____ FOR ADDITIONAL INFORMATION.
4. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
5. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

12 STRUT CONNECTION TO SAWN TIMBER WITHOUT GYPSUM BOARD

1 1/2" = 1'-0"





CHANNEL STRUT

CHANNEL OR EMT STRUT: BETWEEN JOIST

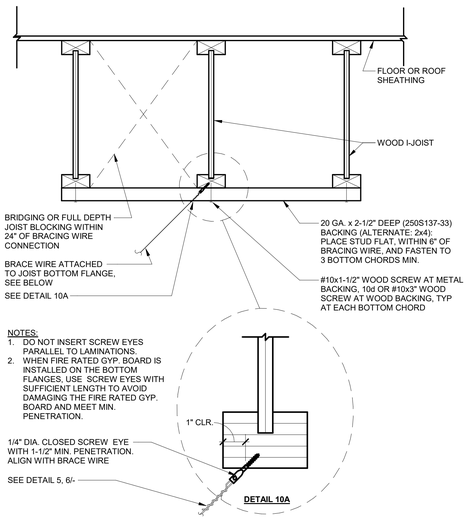
EMT STRUT: OPTION 1

EMT STRUT: OPTION 2

NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF THE WOOD MEMBER.
2. FOR ANGLE ORIENTED IN THE STANDARD POSITION, VERTICAL LEG TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.
3. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
4. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

11 STRUT CONNECTION TO SAWN TIMBER WITH GYPSUM BOARD

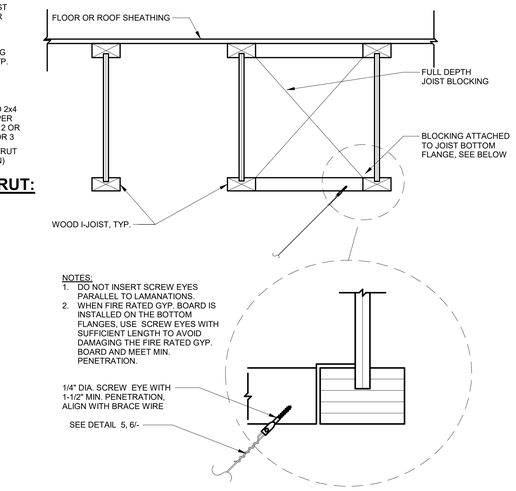
1 1/2" = 1'-0"



NOTES:
1. DO NOT INSERT SCREW EYES PARALLEL TO LAMINATIONS.
2. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES WITH SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

10 BRACE WIRE CONNECTION TO WOOD I-JOIST

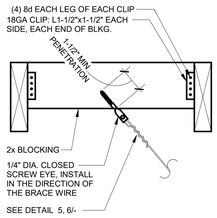
1/2" = 1'-0"

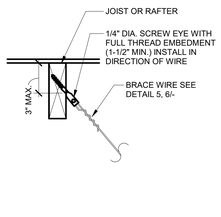


NOTES:
1. DO NOT INSERT SCREW EYES PARALLEL TO LAMANATIONS.
2. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES WITH SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

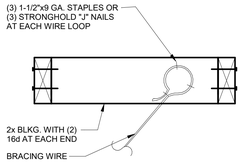
9 BRACE WIRE CONNECTION TO WOOD I-JOIST

1/2" = 1'-0"

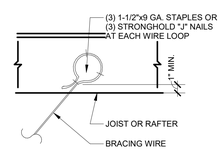




DETAIL 8A



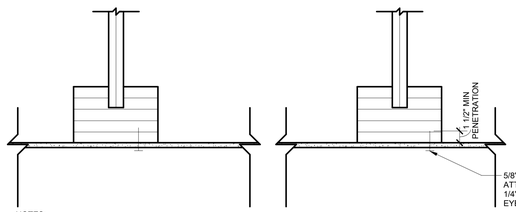
DETAIL 8B



DETAIL 8C **DETAIL 8D**

8 BRACE WIRE CONNECTION TO SAWN TIMBER

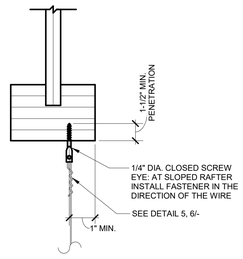
1 1/2" = 1'-0"



NOTES:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

7B GYP BOARD CONNECTION TO WOOD I-JOIST

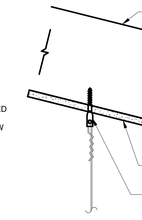
1 1/2" = 1'-0"

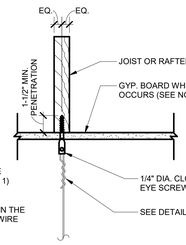


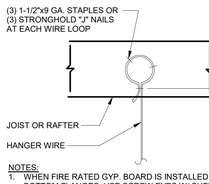
NOTES:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

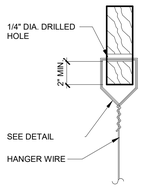
7 HANGER WIRE CONNECTION TO WOOD I-JOIST

1 1/2" = 1'-0"





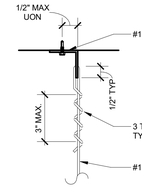




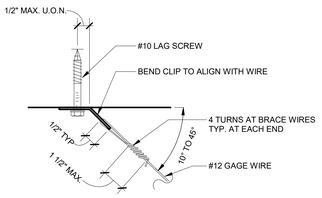
NOTES:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

6 HANGER WIRE CONNECTION TO SAWN TIMBER

1 1/2" = 1'-0"



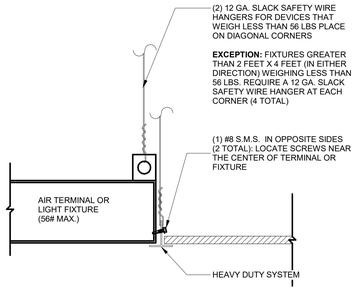
HANGER WIRE



BRACE WIRE

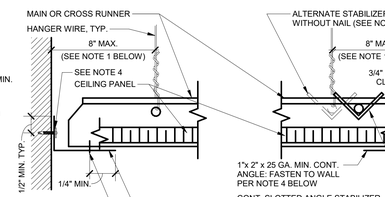
5 HANGER AND BRACE WIRE CONNECTION - TYP. WIRE TURNS

NOT TO SCALE



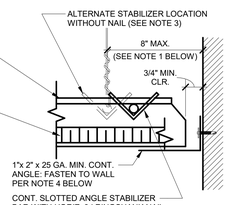
4 LUMINAIRE / AIR TERMINAL SUPPORT

NOT TO SCALE

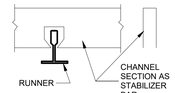


ATTACHED JOINT

NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STABILIZERS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. STABILIZER BAR MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. FASTEN ANGLE TO WALL STUD OR BLOCKING AS FOLLOWS:
   A. METAL STUD (20 GA. MIN.) WALL: (1) #10 SMS AT 24" O.C. MAX.
   B. WOOD STUD WALL: #10x2" LONG WOOD SCREW AT 16" O.C. MAX.



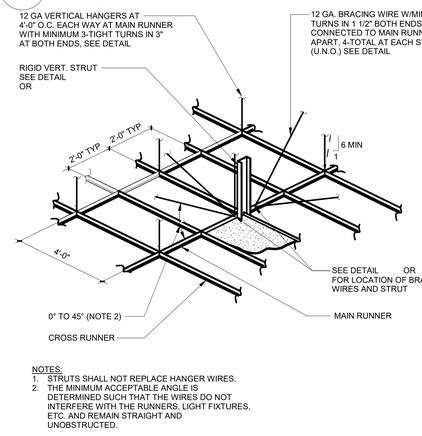
FREE JOINT



STABILIZER (SEE NOTE 3)

3 CEILING PERIMETER

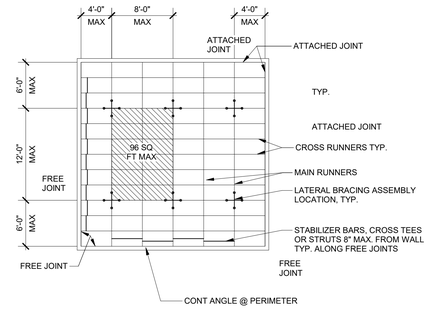
NOT TO SCALE



NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

2 SUSPENSION AND LATERAL BRACING ASSEMBLY

3" = 1'-0"



NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT. SDS IS 1.343G, BRACE ASSEMBLY SPACING 8'X12'

1 TYP. CEILING PLAN FOR 12'-0"x12'-0" BRACE ASSEMBLY SPACING

1/8" = 1'-0"

1. CEILING SYSTEM GENERAL NOTES

1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 of ASTM E580.

1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:
Manufacturer: [RDP to specify]
Product Name: [RDP to specify]
Evaluation Report Type and Number: [RDP to specify]
Main Runner Part, Model, or Catalog Number: [RDP to specify]
Cross Runner Part, Model, Catalog Number: [RDP to specify]

1.04 Seismic Wall Clip:
Manufacturer's Model: [RDP to specify if used]

1.05 Ceiling panels shall not support any luminaires, air terminals ordevices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip. Clearance between ceiling grid runners/members and walls shall comply with the details on these drawings regardless of ceiling tile material.

2. MATERIALS

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum ultimate tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISI S100). Material 43 mil (18 gauge) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gauge) and heavier shall have a minimum yield strength of 50ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (FY) of 30 ksi and minimum ultimate strength (FU) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES

3.01 Separate all ceiling hanger and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire (e.g., bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.).

4. FASTENERS AND WELDING

4.01 Sheet metal screws shall comply with ASTM C1513 and ASME B18.6.3. Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be: [RDP to indicate manufacturer, product, evaluation report number and test load for each size specified per CBC 1910A.5.4.]

4.03 Power-Actuated Fasteners shall be: [RDP to indicate manufacturer, product, evaluation report number.]

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member

4.05 Power-actuated fasteners in concrete or masonry are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchors.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING

5.01 All field testing must be performed in the presence of the project inspector.

5.02 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power-actuated fasteners in concrete shall be field tested for 200 pounds in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1910A.5.

5.03 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1910A.5.

6. LUMINAIRES

6.01 All luminaires shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the luminaire. A minimum of two screws or approved fasteners are required at each luminaire, per ASTM E580 Section 5.3.1.

6.02 Surface-mounted luminaires shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gauge. Rotational spring catches do not comply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when a luminaire is 8 feet or longer or exceeds 56 pounds. Maximum spacing between supports shall not exceed 8 feet.

6.03 Luminaires weighing less than or equal to 10 pounds may besupported directly on the ceiling runners, shall have a minimum of one #12 gauge slack safety wire connected from the fixture housing to the structure above.

6.04 Luminaires weighing greater than 10 pounds but less than or equal to 56 pounds may be supported directly on the ceiling runners, but they shall have a minimum of two #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above. Exception: All luminaires greater than two by four feet weighing less than 56 pounds shall have a # 12 gauge slack safety wire at each corner.

6.05 All luminaires weighing greater than 56 pounds shall be independently supported by not less than four taut #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four taut #12 gaugewires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four times the weight of the fixture.

7. SERVICES WITHIN THE CEILING

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 pounds shall have one #12 gauge slack safety wire attached from the terminal or service to the structure above.

7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 pounds but less than or equal to 56 pounds shall have two #12 gauge slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 pounds shall be supported directly from the structure above by not less than four taut #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 pounds shall be supported independently from the structure above.

Inglewood Unified School District

401 S. Inglewood Ave.
Inglewood, CA 90301

IUSD Bennett-Kew P-8 Academy

11710 S Cherry Ave.
Inglewood, CA 90303

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1	11/5/2024	DSA SUBMITTAL

DSA A# 03-124773 FILE # 19-48

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2023-IU002-002

Ceiling Details

A-572

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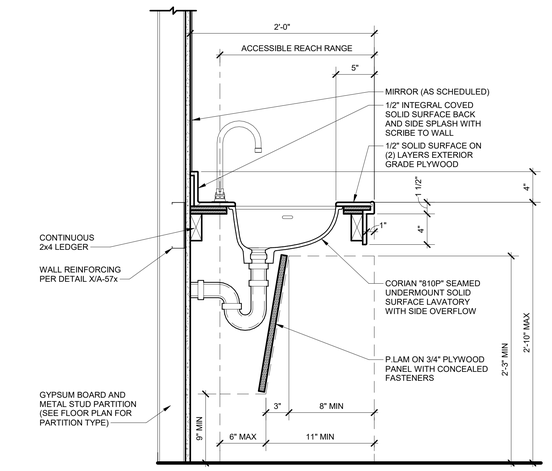
MILLWORK NOTES

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ALONG WITH 12" X 12" SAMPLES OF FINISHES ON SPECIFIED SUBSTRATES, FOR APPROVAL BY THE ARCHITECT PRIOR TO COMMENCEMENT OF FABRICATION.
2. WORK SHALL BE CUSTOM GRADE, FLUSH OVERLAY CONSTRUCTION, IN COMPLIANCE WITH NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS (NAAWS), CURRENT EDITION, INCLUDING ERRATA.
3. BLOCKING GROUNDS, ROUGH BUCKS AND MISCELLANEOUS BLOCKING SHALL BE FIRE-RETARDANT TREATED WOOD AS REQUIRED BY APPLICABLE CODES.
4. PROVIDE BLOCKING IN PARTITIONS TO PROPERLY SUPPORT CABINET WORK OR OTHER ITEMS WEIGHING MORE THAN 40 LBS. IF BLOCKING IS WOOD, PROVIDE FRTW AS REQUIRED PER APPLICABLE CODE.
5. WOOD SURFACES AND EDGES TO BE PAINTED SHALL BE PROPERLY SANDED, SEALED, AND SHOP PRIMED TO RECEIVE SHOP FINISH COATS.
6. CONTRACTOR SHALL VERIFY DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
7. RUNNING AND STANDING TRIM TO HAVE MITERED OUTSIDE CORNERS, COPED INSIDE CORNERS, UNLESS OTHERWISE NOTED.
8. CASEWORK AND MILLWORK TO MEET THE FLAME SPREAD AND MINIMUM SMOKE DEVELOPED REQUIREMENTS OUTLINED ON THE CODE AND LIFE SAFETY DRAWINGS OR AS REQUIRED BY APPLICABLE CODES.
9. CABINET WORK TO BE CONSTRUCTED AS DETAILED AND INDICATED, WITH THE FOLLOWING GUIDELINES:
   - EXPOSED SURFACES (INCLUDING SURFACES INSIDE CABINETS EXPOSED WITH DOORS OPEN, AND UNDERSIDE AND EDGES OF SHELVES) TO BE FINISHED.
   - PLASTIC LAMINATE: HORIZONTAL SURFACES, GRADE OF .050" THICK, GENERAL PURPOSE TYPE (HIGH PRESSURE). VERTICAL SURFACES, GRADE OF .028" THICK, WITH LAMINATE ON EXPOSED SURFACES AND EDGES. IF NOT INDICATED IN MATERIAL FINISH SCHEDULE, COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARDS.
   - CABINET DOORS TO HAVE CONCEALED PIVOT HINGES OR CABINET HINGES.
   - UNLESS INDICATED OTHERWISE, DRAWERS TO HAVE 3 ½" BRUSHED STAINLESS WIRE PULLS.
   - CABINET AND PANEL SUBSTRATES TO BE 3/4" HIGH-DENSITY LOW-VOC PARTICLE BOARD UNLESS OTHERWISE NOTED.
   - WOOD VENEER FOR ALL VERTICAL MILLWORK (PANELS) MIN. 1/32" THICK.
   - ALL PANEL VENEER WORK TO CONFORM TO NAAWS SECTION 4, SHEET PRODUCTS. VENEER APPLICATION TO BE "BOOK MATCH."

2 TYP. COUNTERTOP EDGE

6" = 1'-0"



NOTES:
1. LOCATE LAVATORY IN COUNTER TO COMPLY WITH ADA AND ICC/ANSI A117.1 FOR KNEE AND TOE CLEARANCE AND REACH RANGE
2. PROVIDE TOE/KNEE FRONT APPROACH CLEARANCES PER CBC 11B-306
3. SEAL ALL EXPOSED WOOD AT UNDERSIDE OF COUNTER WITH A PIGMENTED SEALER

1 LAVATORY DETAIL - SOLID SURFACE COUNTERTOP

1 1/2" = 1'-0"

Inglewood Unified School District

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Millwork Details

A-581

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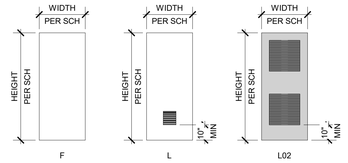
DOOR SCHEDULE

MARK	DOORS SIZE WIDTH	HEIGHT	THK	TYPE - MTL	FINISH	GLAZING	FRAME TYPE-MTL	FINISH	GLAZING	FIRE RATING LABEL (MINS)	HEAD	JAMB	HW SET	NOTES
101A	3'-6"	7'-0"	1 3/4"	F-HM	PNT-1	---	102-HM1	PNT	---		9/A-561	11/A-561	NO .02	PROVIDE PANIC HARDWARE
101B	3'-6"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1 : 102-HM1	PNT	---		9/A-561	11/A-561	NO .02	PROVIDE PANIC HARDWARE
102A	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	
102B	3'-0"	7'-0"	1 3/4"	F-WD	PLAM	---	001-HM1	PNT	---		7/A-561	7/A-561	NO. 08	DOOR w/ STC 40
103A	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	
103B	3'-0"	7'-0"	1 3/4"	F-WD	PLAM	---	001-HM1	PNT	---		7/A-561	7/A-561	NO. 08	DOOR w/ STC 40
104A	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	
104B	3'-0"	7'-0"	1 3/4"	F-WD	PLAM	---	001-HM1	PNT	---		7/A-561	7/A-561	NO. 08	DOOR w/ STC 40
105	3'-0"	7'-0"	1 3/4"	F-HM	PNT 2	---	001-HM1	PNT 2	---		8/A-561	11/A-561	NO. 06	
106	3'-6"	7'-0"	1 3/4"	L-HM	PNT 2	---	001-HM1	PNT 2	---		8/A-561	11/A-561	NO. 04	PROVIDE PANIC HARDWARE
107	3'-0"	7'-0"	1 3/4"	L-HM	PNT	---	001-HM1	PNT	---		8/A-561	11/A-561	NO. 03	
108	3'-0"	7'-0"	1 3/4"	L02-HM	PNT	---	001-HM1	PNT	---		8/A-561	11/A-561	NO. 05	
109	3'-0"	7'-0"	1 3/4"	L-HM	PNT	---	001-HM1	PNT	---		8/A-561	11/A-561	NO. 07	
110	3'-0"	7'-0"	1 3/4"	L-HM	PNT	---	001-HM1	PNT	---		8/A-561	11/A-561	NO. 03	
111	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	
112	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	
113	3'-0"	7'-0"	1 3/4"	F-HM	PNT-1	---	101-HM1	PNT	GL-1		9/A-561	11/A-561	NO. 01	

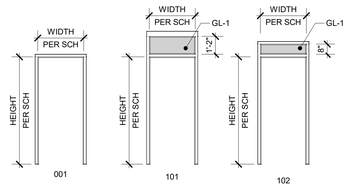
GATE SCHEDULE

MARK	DOORS SIZE WIDTH	HEIGHT	HW SET	NOTES
GD-1	20'-0"	8'-0"	-	DOUBLE DOOR GATE AT FIRE LANE, ACCESSED FROM CHERRY LANE; GC TO COORDINATE GATE HARDWARE w/ OWNER & ARCHITECT
GD-2	3'-0"	3'-4"	-	GATE FOR ROOF ACCESS; MANUF. TO PROVIDE GATE LATCH

PANEL TYPES



FRAME TYPES



MATERIAL LEGEND

MATERIAL (MTL)

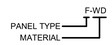
AL	ALUMINUM
EX	EXISTING
GL	GLASS
HM	HOLLOW METAL
SS	STAINLESS STEEL
STL	STEEL
WD	WOOD

FINISH

FF	FACTORY FINISH
PNT	PAINT (AS SCHEDULED)
CLR ANO	CLEAR ANODIZED ALUMINUM
PLAM	PLASTIC LAMINATE

NOTE: ALL DOORS ARE UNDERCUT 5/8". PROVIDE 3/4" UNDERCUT AT ALL TOILET ROOM, HOUSEKEEPING (HK), SOILED UTILITY AND LOCKER ROOM DOORS.

PANEL TYPES

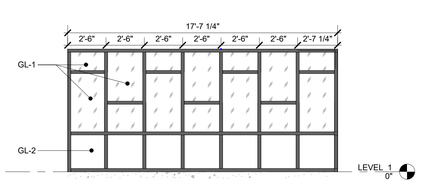


FRAME TYPES

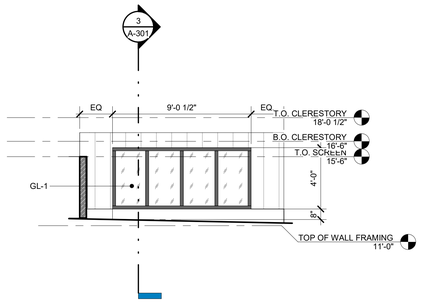
GLASS TYPES

GL-1	INSULATED LOW E GLASS - TEMPERED
GL-2	SPANDREL GLASS

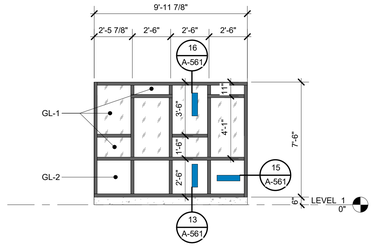
FRAME TYPES



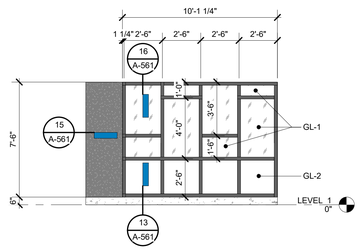
W5 - EXT. FIXED ALUMINUM STOREFRONT



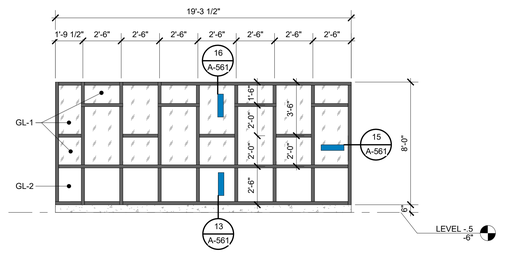
W4 - EXT. FIXED ALUMINUM STOREFRONT



W3 - EXT. FIXED ALUMINUM STOREFRONT



W2 - EXT. FIXED ALUMINUM STOREFRONT



W1 - EXT. FIXED ALUMINUM STOREFRONT

Inglewood Unified School District

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Door Schedules & Window Types

A-601

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SOUTH WEST VIEW

FRONT ELEVATION

BENNETT-KEW ACADEMY - OPTION 2

Project # PPT2489ABAA-2 **Date** 8/21/2024

Item / Part Number	Description	Qty
[NFS3B017A]		
HS-1004-R	Collars	69
HS-1004-R35	Collars R35	9
A2-2918-46-F	Conifer Climber (Fir, 3-Limb)	1
GF-7002	Dome Cap, R5	10
S-1011-RS-11ft	Post, 11ft R5	2
S-1012-RS-12ft	Post, 12ft R5	4
S-1014-RS-14ft	Post, 14ft R5	2
S-1015-RS-15ft	Post, 15ft R5	2
S-1017-RS-17ft	Post, 17ft R5	1
S-1018-RS-18ft	Post, 18ft R5	4
S-1020-RS-20ft	Post, 20ft R5	1
S-1101-R5	Square Deck	1
S-1102-R5	Tri-Deck	6
S-1105-R5	Half Deck	2
S-1109-RS-T	Balcony Deck w/ Telescope	1
S-1206-24R5	ADA Stairs, 24in Rise w/ Walls (Short)	1
S-1206-36IW	ADA Stairs, 36in Rise w/ Infinity Walls	1
S-1209-24-R5	Transfer Station, 36in-L	1
S-1210-96	Climber, Vertical Ladder 90-96in	1
S-1222-6R	Climber, Snake 66-72in	1
S-12801-R-R5	Climber, Sunrise 54-60in (Right)	1
S-1301-IW	Wall, Infinity (Standard)	1
S-1301-R5	Wall, Steel 36in (Standard)	1
S-1309-2-R5	Half Walls (Pair) R5	3
S-1310-R5	Transition Wall	1
S-1314-1948-B-RSL	Access Wall w/ Handle (Left)	1
S-1360-1672-FIRE	Fire Danger Sign	1
S-16520-R5G	Composer Panel	1
S-1677-RNG-GM-R5	Tree House Ranger Station Panel (I)	1
S-1702-1122-5	Slide, Double 60in (w/ Extn)	1
S-1706-SBL-R5	Slide, Twister Spiral 96in (L)	1
S-18027-R512-FR	Shade Sail Canopy, 12ft (Fire Resistant)	1
S-1847-LR5	Evergreen Topper (Large)	1
S-1847-S-R5	Evergreen Topper (Small)	1
S-1961	Stump Step 12-18in	1
S-5101	Open Frame	1
S-5104	Hex Net Frame	1
S-5201-DL	Hex Net Bay (Deck)	1
FREPC2458		
A2-2475	PC 2475 Stand-n-Spin	1
R5020ACDA		
HS-1004-R	Collars	8
GF-7002	Dome Cap, R5	4
S-1010-RS-10ft	Post, 10ft R5	4
S-1402-R5	End Access Ladder (2-Rung)	2
S-1406-90R5	Traverse, Horizontal Ladder (7-Rung)	1
FRES1961		
S-1961	PC 2451 Stump Step	1
STAPC1306		
A2-1306	1306 Safety Sign (5-12, Roto)	1

BENNETT-KEW ACADEMY - OPTION 2

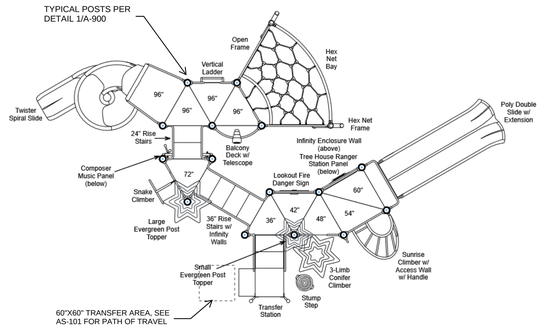
TOP VIEW

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
8	8/4	0/0	4/3	3/3

CHILD CAPACITY 93 **MAX FALL HEIGHT** 96

R5 FOR KIDS AGES 5-12



GENERAL NOTES

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.

STRUCTURE # NFS3B017A
PROJECT # PPT2489ABAA-2
DATE 7/16/2024

Park Planet
MIN. USE ZONE 50' x 35' (15.117m x 10.386m)

PLAYCRAFT SYSTEM a PLAYCORE Company

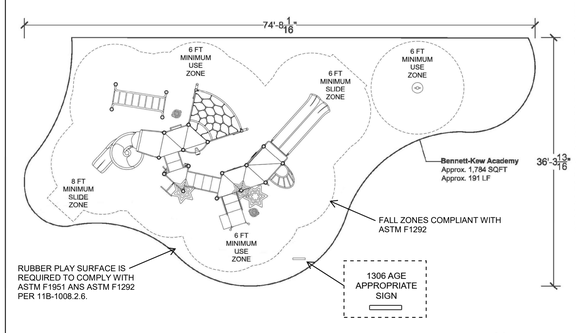
BENNETT-KEW ACADEMY - OPTION 2

SITE PLAN

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
8	8/4	0/0	6/3	4/3

R5 FOR KIDS AGES 5-12



GENERAL NOTES

This Preliminary Site Plan is based on measurements that were provided in the initial planning phase. All dimensions must be verified prior to the submission of a purchase order. Playcraft Systems will not be held responsible for any discrepancies between actual measurements and dimensions submitted in the planning phase.

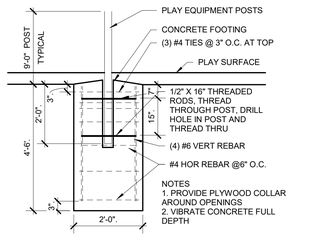
The Minimum Use Zone for a play structure is based on the product design at the time of proposal. Components and structure designs may be subject to change which may affect dimensions. Therefore, before preparing the site, we strongly recommend obtaining final drawings from the factory (available after the order is placed and included in the Assembly Manual).

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.

PROJECT # PPT2489ABAA-2
DATE 7/16/2024

Park Planet
MIN. USE ZONE 66' x 33' (20.015m x 9.804m)

PLAYCRAFT SYSTEM a PLAYCORE Company



NOTE: PLAYGROUND EQUIPMENT IS NOT PART OF DSA REVIEW AND APPROVAL PER 2019 CALIFORNIA ADMINSTRATIVE CODE SECTION 4-314

1 TYPICAL PLAY STRUCTURE POSTS

3/8" = 1'-0"

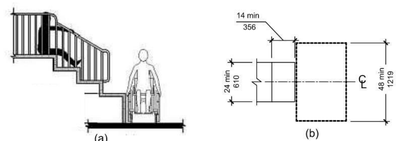


FIGURE 11B-1008.3.1

11B-1008.3.1 TRANSFER PLATFORMS

TRANSFER PLATFORMS SHALL BE PROVIDED WHERE TRANSFER IS INTENDED FROM WHEEL-CHAIRS OR OTHER MOBILITY AIDS. TRANSFER PLATFORMS SHALL COMPLY WITH *SECTION 11B-1008.1.1.*

PLAY STRUCTURE NOTES

SIZE
TRANSFER PLATFORMS AND TRANSFER STEPS SHALL HAVE LEVEL SURFACES 14 INCHES DEEP MINIMUM AND 24 INCHES WIDE MINIMUM PER 11B-1008.3.1.1 AND 11B-1008.3.2.1.

HEIGHT
THE HEIGHT OF TRANSFER PLATFORMS SHALL BE 11" TO 18" MEASURED TO THE TOP OF THE SURFACE FROM THE GROUND OR FLOOR SURFACE, PER 11B-1008.3.1.2.

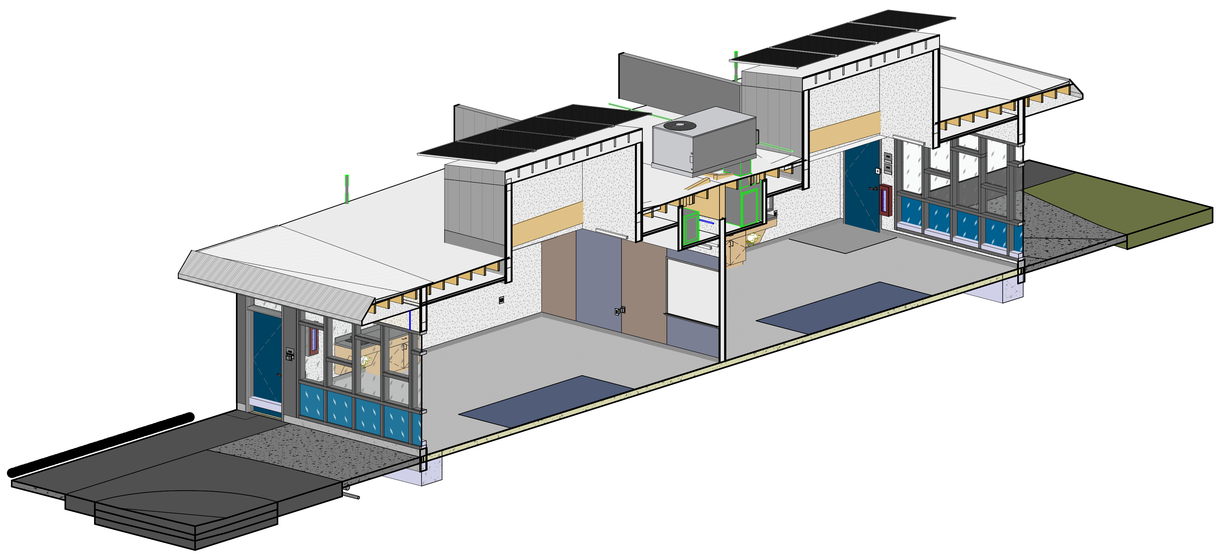
HEIGHT OF TRANSFER STEPS SHALL BE 8 INCHES HIGH MAX, PER 11B-1008.3.2.2.

11B-1008.3.1.3 TRANSFER SPACE
A TRANSFER SPACE COMPLYING WITH SECTIONS 11B-305.2 AND 11B-305.3 SHALL BE PROVIDED ADJACENT TO THE TRANSFER PLATFORM. THE 48 INCH LONG MINIMUM DIMENSION OF THE TRANSFER SPACE SHALL BE CENTERED ON AND PARALLEL TO THE 24 INCH LONG MINIMUM SIDE OF THE TRANSFER PLATFORM. THE SIDE OF THE TRANSFER PLATFORM SERVING THE TRANSFER SPACE SHALL BE UNOBSTRUCTED. SEE FIGURE 11B-1008.3.1.

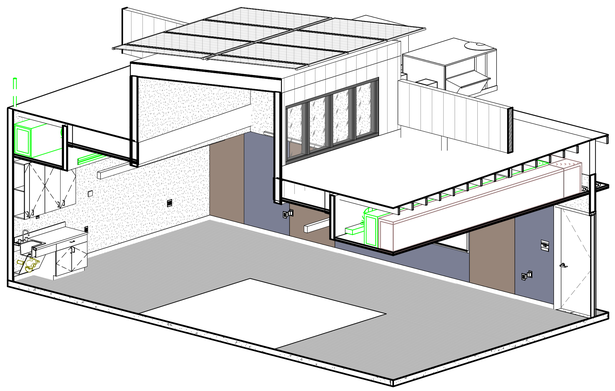
AT LEAST ONE MEANS OF SUPPORT FOR TRANSFERRING SHALL BE PROVIDED.

11B-1008.3.2.4 CONTRASTING STRIPE
DEMONSTRATE THAT STRIPING COMPLYING WITH SECTION 11B-504.4.1 SHALL BE PROVIDED AT EACH TRANSFER STEP.

1. CONTRACTOR TO PROVIDE 3M SAFETY TAPE 2" WIDE SECURED TO STAIR NOSING AT TRANSFER STATION AFTER INSTALLATION. COLOR: WHITE.EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST.
2. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES WIDE TO A MAXIMUM OF 4 INCHES WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH.
3. GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES SHALL COMPLY WITH CBC SECTION 11B-1008.2.6: GROUND SURFACES SHALL COMPLY WITH ASTM F1951 AND SHALL BE INSPECTED AND MAINTAINED REGULARLY AND FREQUENTLY TO ENSURE CONTINUES COMPLIANCE WITH ASTM F1951.
4. GROUND SURFACES LOCATED WITHIN USE ZONES SHALL COMPLY WITH ASTM F1292-22, (UPDATED DEC. 2022).
5. TRANSFER PLATFORMS SHALL BE PROVIDED WHERE TRANSFER IS INTENDED FROM WHEEL-CHAIRS OR OTHER MOBILITY AIDS. TRANSFER PLATFORMS SHALL COMPLY WITH *SECTION 11B-1008.1.1.*
6. TYPICAL PLAY EQUIPMENT POST FOUNDATIONS PER 1/ A531



2 Enscape Typ Cross Section



1 Enscape Typ Clerestory Section

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DSA A# 03-124773 FILE # 19-48

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