KERN HIGH SCHOOL DISTRICT

DISTRICT OFFICE REMODEL

5801 SUNDALE AVENUE, BAKERSFIELD, CA

GREEN CODE NOTES

1. CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN FOR APPROVAL BY THE ENFORCEMENT AGENCY THAT:
   - A. IDENTIFIES THE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
   - B. DETERMINES IF MATERIALS WILL BE SORTED ON-SITE OR BULK MIXED.
   - C. IDENTIFIES DIVERSION FACILITIES WHERE MATERIAL COLLECTED WILL BE TAKEN.
   - D. SPECIFIES THAT THE AMOUNT OF MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.

   DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 5.408.1.1, ITEMS 1 THRU 4. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY (PER CGBSC 2022, SECTION 5.408.1.1)
2. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS, OR MEET A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. CALCULATE THE AMOUNT OF MATERIALS DIVERTED BY WEIGHT OR VOLUME, BUT NOT BY BOTH. THE EXCEPTIONS ARE: 1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS; 2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST; OR 3. DEMOLITION WASTE MEETING LOCAL ORDINANCE OR CALCULATED IN CONSIDERATION OF LOCAL RECYCLING FACILITIES AND MARKETS (PER CGBSC 2022, SECTION 5.408.1.2)
3. PROVIDE READILY ACCESSIBLE AREAS THAT SERVE THE ENTIRE BUILDING AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTE AND METALS (PER CGBSC 2022, SECTION 5.410.1)
4. FOR ALL ADDITIONS AND ALTERATIONS TO A BUILDING OR TENANT SPACE WHERE A PERMIT IS REQUIRED FOR WORK, THE CONTRACTOR SHALL PROVIDE DOCUMENTED VERIFICATION THAT DISPOSAL OF UNIVERSAL WASTE ITEMS SUCH AS FLUORESCENT LAMPS AND BALLAST AND MERCURY CONTAINING THERMOSTATS AS WELL AS OTHER CALIFORNIA PROHIBITED UNIVERSAL WASTE MATERIALS HAVE BEEN DISPOSED OF PROPERLY AND ARE DIVERTED FROM LANDFILLS. UNIVERSAL WASTE MATERIALS INCLUDE:
   - -ELECTRONIC DEVICES
   - -BATTERIES
   - -ELECTRIC LAMPS
   - -MERCURY-CONTAINING EQUIPMENT
   - -CATHODE RAY TUBES
   - -CRT GLASS
   - -NON-EMPTY AEROSOL CANS
5. ALL BUILDING SYSTEMS TESTING AND ADJUSTING PROCEDURES SHALL BE PERFORMED IN ACCORDANCE WITH INDUSTRY BEST PRACTICES AND APPLICABLE STANDARDS ON EACH SYSTEM AS DETERMINED BY THE BUILDING OFFICIAL.

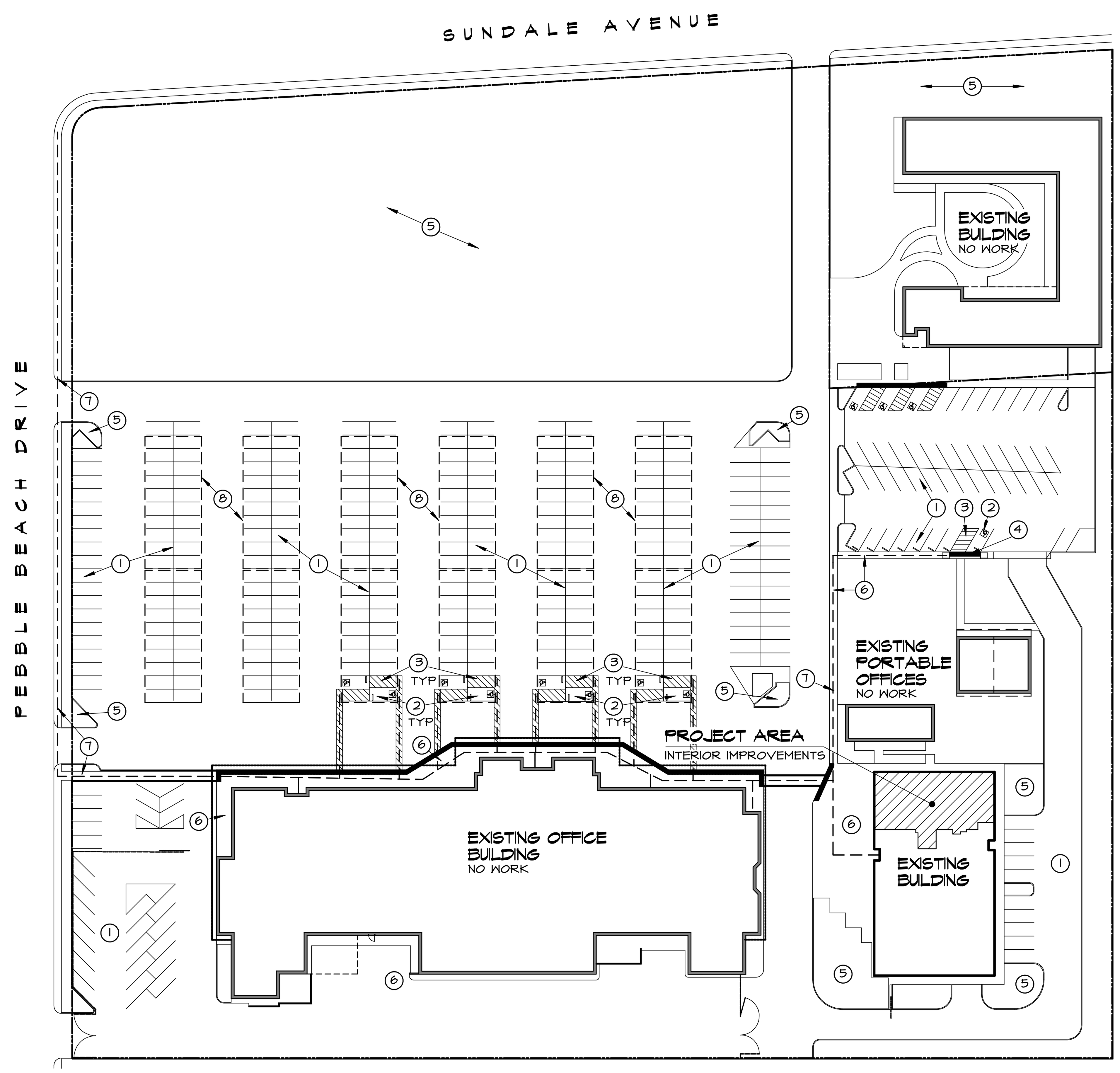
GENERAL NOTES

1. VERIFY, AT SITE, ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. GENERAL CONTRACTOR SHALL CONFIRM LOCATION OF PARKING AND MOBILIZATION WITH LANDLORD PRIOR TO CONSTRUCTION
3. EQUIPMENT AND ITEMS INDICATED AS NOT BEING INCLUDED IN THE CONTRACT(N.I.C.) SHALL BE VERIFIED WITH THE OWNER'S REPRESENTATIVE AS TO SIZE, SHAPE AND UTILITY REQUIREMENTS TO INSURE COMPLETE AND PROPER INSTALLATION AND OPERATION.
4. ALL MANUFACTURED MATERIAL, EQUIPMENT, AND SYSTEMS SHALL BE INSTALLED AS DIRECTED BY THE MANUFACTURER UNLESS SPECIFIED TO THE CONTRARY AND ONLY THEN IS SUCH CONFLICT IS FIRST VERIFIED WITH THE ARCHITECT IN WRITING.
5. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
6. IN THE EVENT OF CONFLICTING STATEMENTS OR REQUIREMENTS, NOTIFY THE ARCHITECT IN SUFFICIENT TIME TO PERMIT THE ISSUANCE OF WRITTEN CLARIFICATION.
7. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
8. POST BUILDING ADDRESS PER FIRE DEPARTMENT REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT.
9. OWNER IS RESPONSIBLE FOR PROVIDING ALL ASBESTOS AND/OR LEAD INSPECTIONS AND OBTAINING DEMOLITION APPROVAL AS REQUIRED BY THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT PRIOR TO THE START OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL INSTRUCTIONS FOR DEMOLITION, DISPOSAL, OR OTHERWISE WHERE AFFECTED BY THIS SCOPE OF WORK AS DIRECTED IN THOSE REPORTS.
10. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

DEFERRED SUBMITTALS

1. FIRE SPRINKLER PLAN AND INSTALLATION - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMPONENTS AND MODIFICATIONS NECESSARY FOR FULL INTEGRATION OF NEW TO EXISTING SYSTEMS
2. FIRE ALARM PLAN AND INSTALLATION - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMPONENTS AND MODIFICATIONS NECESSARY FOR FULL INTEGRATION OF NEW TO EXISTING SYSTEMS

SITE DIAGRAM & KEY PLAN



KEYNOTES

1. EXISTING 9'-0" WIDE x 18'-0" DEEP PARKING STALL PER CITY STANDARDS
2. EXISTING 9'-0"x 18'-0" ACCESSIBLE PARKING SPACE WITH 3'-0"x3'-0" PAINTED STALL SIGN AND 70" SQ IN POLE MOUNTED PARKING SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH AN ADDITIONAL SIGN STATING "MINIMUM FINE $250.00" SIGN IS MOUNTED BELOW STATING "VAN ACCESSIBLE" PER CBC SECTION 1129B- HEIGHT TO THE BOTTOM OF ALL POLE SIGNS IS 80" MINIMUM
3. EXISTING 8'-0" WIDE ACCESSIBLE PARKING AISLE FOR VAN ACCESS OR 5'-0" WIDE FOR STANDARD ACCESS WITH THE WORDS "NO PARKING" IN 12" HIGH CONTRASTING LETTERS- SLOPE NOT TO EXCEED 2% IN ANY DIRECTION
4. EXISTING 4'-0" WIDE MINIMUM ACCESSIBLE CURB RAMP- SLOPE SHALL NOT EXCEED 8.33% AT MAIN SLOPE AND 20% AT FLARED SIDES WITH 4'-0" MINIMUM LANDING AT TOP AND RAISED TRUNCATED DOME TILES FOR THE FULL LENGTH AND WIDTH OF RAMP (EXCLUDING FLARED SIDES)
5. EXISTING LANDSCAPE AREA
6. EXISTING CONCRETE WALK WITH MAXIMUM 5% IN THE DIRECTION OF TRAVEL AND 2% CROSS SLOPE AND 3'-0" BORDER OF TRUNCATED DOME TILES AT FLUSH TRANSITION BETWEEN WALK AND VEHICLE DRIVE AISLE
7. DASHED LINE DENOTES EXTENT OF EXISTING MINIMUM 4'-0" WIDE ACCESSIBLE PATH OF TRAVEL FOR ACCESS FROM PUBLIC SIDEWALK AT SUNDALE AVENUE
8. EXISTING PARKING SHADE/SOLAR PANELS TO REMAIN

SCOPE OF WORK

THIS PROJECT SCOPE INCLUDES AN INTERIOR REMODEL OF THE EXISTING KHSD DISTRICT OFFICE AND AN ADJACENT STORAGE ROOM CONVERTED INTO AN ACCESSORY EMPLOYEE BREAK AREA. THERE ARE NO CHANGES OF USE OR OCCUPANCY PROPOSED WITH THIS SCOPE OF WORK

PROJECT ANALYSIS

DESIGN PROFESSIONAL
PDA INC.
1330 22ND STREET, SUITE 100
BAKERSFIELD, CA 93301
T: 661-326-8936

APPLICABLE CODES:
2022 CBC / 2022 CMC / 2022 CPC / 2022 CEC / 2022 CFC

CONSTRUCTION TYPE:	V-B
FIRE SPRINKLERS:	YES
EXISTING BUILDING AREA:	+/-11,050 SF
PROJECT AREA	3,190 SF
EXISTING OCCUPANCIES:	B, A-3, S-4 (SEPARATED)

(NO CHANGES IN USE OR OCCUPANCY ARE ASSOCIATED WITH THIS SCOPE OF WORK)

OCCUPANT LOAD
- SEE SHEET A-2.0 OVERALL FLOOR AND EXITING PLAN FOR OCCUPANT LOAD

PARKING ANALYSIS
- ALL PARKING REQUIRED FOR THESE IMPROVEMENT IS EXISTING NO CHANGE OF USE AND NO ADDITIONAL BUILDING AREA IS BEING PROPOSED WITH THIS PERMIT

REQUIRED SHORT/LONG TERM BICYCLE PARKING:
- NO SHORT-TERM BICYCLE PARKING IS REQUIRED PER CGBSC 5.106.4.1.1 EXCEPTION: ADDITIONS OR ALTERATIONS WHICH ADD NINE OR LESS VISITOR VEHICULAR PARKING SPACES
- NO LONG-TERM BICYCLE PARKING IS REQUIRED PER CGBSC 5.106.4.1.2: "...FOR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE TENANT VEHICULAR PARKING SPACES..." THIS TENANT IMPROVEMENT DOES NOT CHANGE THE OCCUPANCY USE OR REQUIRE ANY ADDITIONAL PARKING SPACES.

REQUIRED CLEAN AIR/VANPOOL/EV PARKING:
- NO DESIGNATED PARKING FOR CLEAN AIR/VANPOOL/EV VEHICLES PER CGBSC 5.106.5.2 "IN NEW PROJECTS OR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE VEHICULAR PARKING SPACES..." THIS TENANT IMPROVEMENT DOES NOT CHANGE THE OCCUPANCY USE OR REQUIRED ANY ADDITIONAL PARKING SPACES.

SHEET INDEX

PDA INCORPORATED ARCHITECTS

LICENSED ARCHITECT
ANDREW J. ERB
NO. C-34490
5-25
RENEWAL
STATE OF CALIFORNIA

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BAKERSFIELD, CALIFORNIA 93301
TELEPHONE: (661) 326-8936

NOTICE TO CONTRACTORS
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KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

DISTRICT OFFICE REMODEL

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BAKERSFIELD, CA

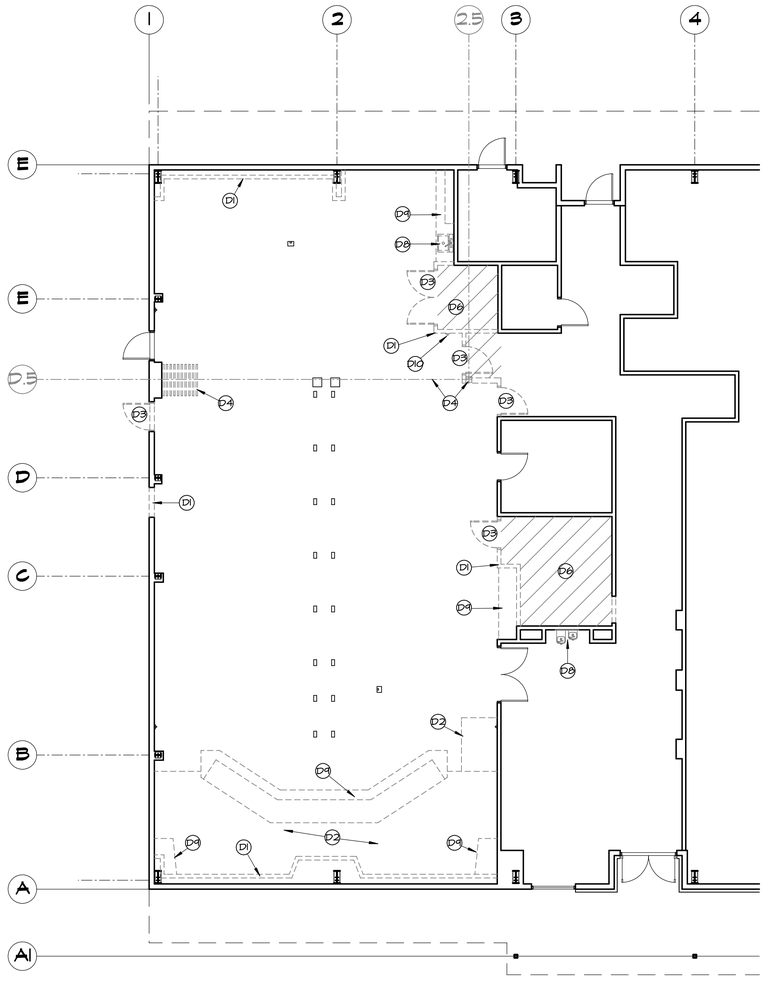
DATE	ISSUED FOR
9-3-24	BUILDING DEPT REVIEW
12-6-24	CORRECTIONS / PERMIT

NO.	REVISIONS
1	
2	
3	
4	

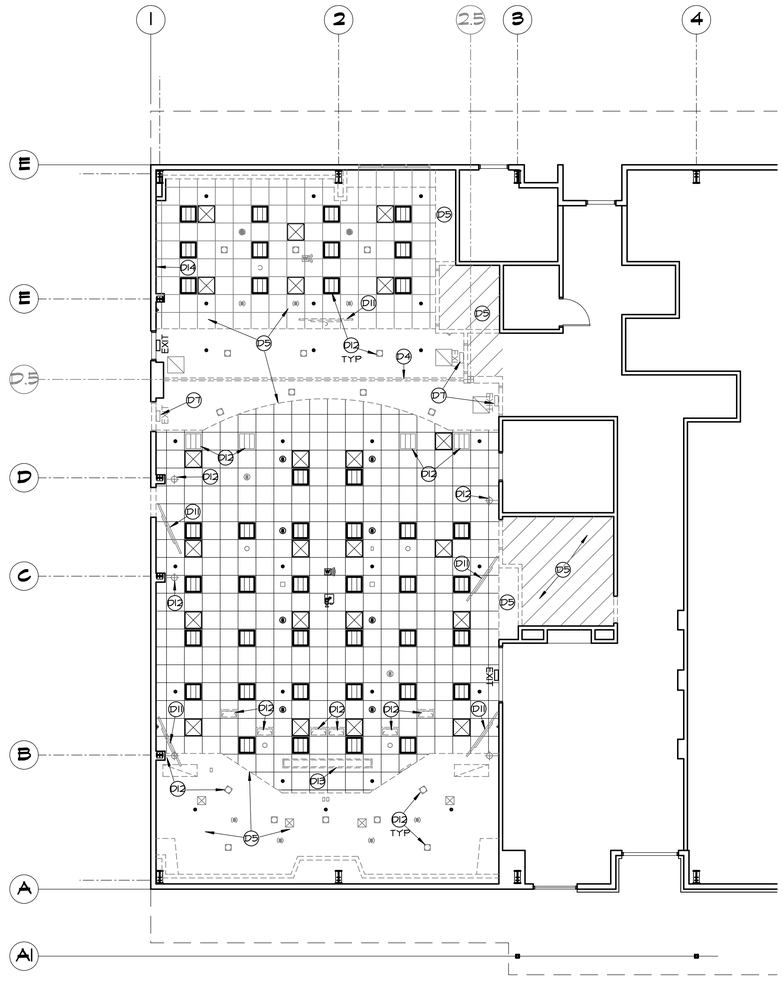
TITLE SHEET

FILE NAME: 4143T1-0

SHEET
T-1.0



N DEMOLITION FLOOR PLAN 1/8"



N DEMOLITION CEILING PLAN 1/8"

DEMOLITION NOTES

1. REMOVE FLOORING PER DEMOLITION PLAN AND PREP THE SLAB FOR NEW FLOORING UNLESS NOTED OTHERWISE
2. REMOVE ALL WALLS, PARTITIONS, DOORS AND FRAMES AS SHOWN ON DRAWINGS. VERIFY EXACT DIMENSIONS AND RE-USED ITEMS WITH FLOOR PLAN
3. ALL ITEMS DEEMED SALVAGEABLE BY OWNER WILL EITHER HAVE BEEN INDICATED ON THE DRAWINGS, REMOVED PRIOR TO START OF ALTERATION WORK, OR WILL BE DIRECTED BY OWNER TO BE STORED BY CONTRACTOR AND REMAIN THE PROPERTY OF THE OWNER.
4. ALL REMOVED ITEMS OR PORTIONS THEREOF AND MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL REMOVE THEM FROM THE PREMISIS. DO NOT STORE ON PREMISES.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY FEES ASSOCIATED WITH DEMOLITION WORK.
6. CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO MAINTAIN REMAINING UTILITIES IN A SAFE MANNER READY FOR INTEGRATION IN NEW SYSTEM.
7. REFER TO CEILING DEMOLITION PLAN AND REFLECTED CEILING PLAN FOR EXTENT OF CEILING MODIFICATION.
8. CAP ALL UNUSED WASTE AND WATER LINES IN THE ATTIC SPACE OVERHEAD OR FLUSH WITH ADJACENT WALL OR FLOOR TO PROVIDE A SMOOTH SURFACE.
9. ELECTRICAL - REMOVE LIGHTING, SWITCHES AND OUTLETS AS SHOWN, REMOVE ALL UNUSED WIRING BACK TO THE SOURCE AS APPROPRIATE.
10. PLUMBING - REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES AS SHOWN, REMOVE ALL UNUSED WATER LINES UP TO THE MAIN RUNS IN ATTIC AND CAP, CAP ALL WASTE LINES BELOW FLOOR SECURELY SO AS TO NOT ALLOW GAS FROM THE WASTE LINE TO ESCAPE.
11. EXISTING SUSPENDED CEILING TO BE REMOVED IN AREAS AS SHOWN UNLESS NOTED OTHERWISE
12. MECHANICAL - REMOVE ALL REGISTERS WITHIN CEILING AREAS BEING DEMOLISHED, REMOVE ALL RIGID AND FLEX DUCTS NOT BEING USED IN FINAL DESIGN- SEE MECHANICAL PLANS

DEMOLITION PLAN KEYNOTES

(D1) EXISTING WALL CONSTRUCTION TO BE REMOVED INCLUDING ALL FRAMING, WIRING, CONDUIT, PLUMBING, AND FINISHES BOTH VISIBLE AND CONCEALED WITHIN THE WALL CAVITY

(D2) EXISTING WOOD FRAMED RAMP AND RAISED FLOOR STRUCTURE TO BE REMOVED INCLUDING HANDRAILS, FRAMING, STRUCTURAL SUPPORTS, AND FINISHES

(D3) EXISTING DOOR, FRAME, AND HARDWARE TO BE REMOVED

(D4) EXISTING MOVABLE PARTITION WALL INCLUDING TRACK, SUPPORTING BEAM, AND INTERIOR COLUMN TO BE REMOVED- CONTRACTOR SHALL FIELD VERIFY ANY RELATED STRUCTURAL BRACING AND SUPPORTS THAT MAY REQUIRE REMOVAL

(D5) EXISTING SOFFIT, SUSPENDED CEILING, LIGHTING, AND CEILING MOUNTED HARDWARE OR ACCESSORIES TO BE REMOVED WITHIN ENTIRE ROOM/SPACE OR EXTENTS AS SHOWN

(D6) REMOVE EXISTING FLOORING AND ADHESIVE WITHIN THIS ROOM OR AREA AS NOTED IN DRAWINGS - SEE ALSO FINISH PLAN FOR EXTENTS OF NEW/EXISTING FLOORING

(D7) EXISTING ILLUMINATED EXIT SIGN TO BE REMOVED AND RELOCATED AS SHOWN SEE CEILING PLANS

(D8) EXISTING PLUMBING FIXTURE TO BE REMOVED

(D9) EXISTING CABINETRY/FURNITURE TO BE REMOVED

(D10) EXISTING FIRE STROBE TO BE REMOVED AND STORED FOR POSSIBLE REUSE- COORDINATE WITH KHSD FIRE ALARM VENDOR FOR ADDITIONAL INSTRUCTIONS

(D11) EXISTING WALL OR CEILING MOUNTED TV/MONITOR AND MOUNT TO BE REMOVED AND STORED PER OWNER'S INSTRUCTIONS

(D12) EXISTING WALL OR CEILING MOUNTED LIGHT FIXTURE TO BE REMOVED

(D13) EXISTING CEILING MOUNTED MOTORIZED PROJECTOR SCREEN TO BE REMOVED AND STORED PER OWNER'S INSTRUCTIONS

(D14) EXISTING WALL MOUNTED MARKER BOARD(S) TO BE REMOVED

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Est. 1905

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5801 SUNDALE AVE
BAKERSFIELD, CA

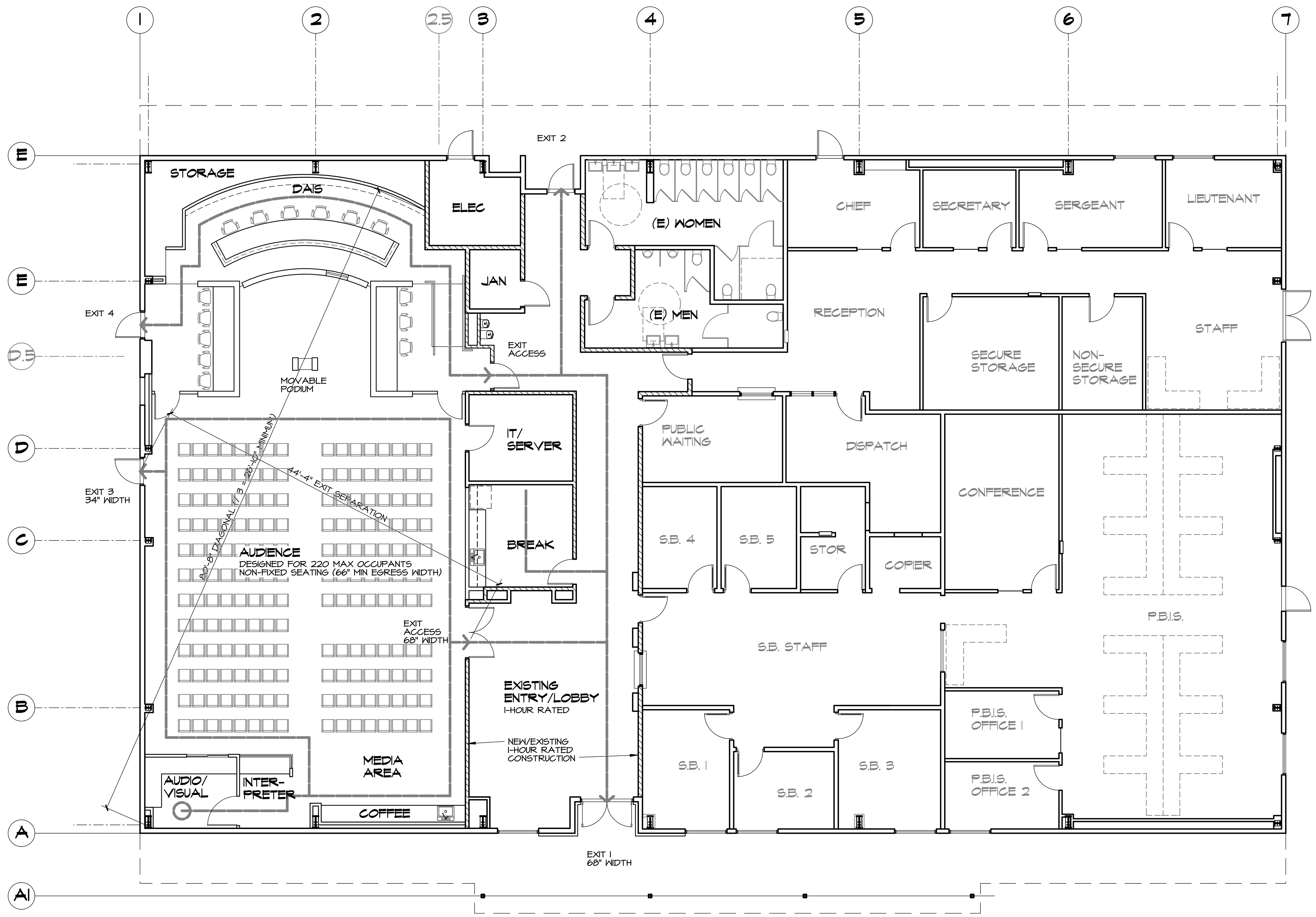
DATE	ISSUED FOR
4-2-24	BUILDING DEPT REVIEW
11-19-24	CORRECTIONS / PERMIT

NO.	REVISIONS
1	
2	
3	
4	

DEMOLITION PLANS

FILE NAME: 4143CDS

SHEET
A-1.0



N OVERALL FLOOR/EXITING PLAN 1/8"

PDA INCORPORATED ARCHITECTS

LICENSED ARCHITECT ANDREW J. ERB NO. C-34490 5-25 RENEWAL STATE OF CALIFORNIA

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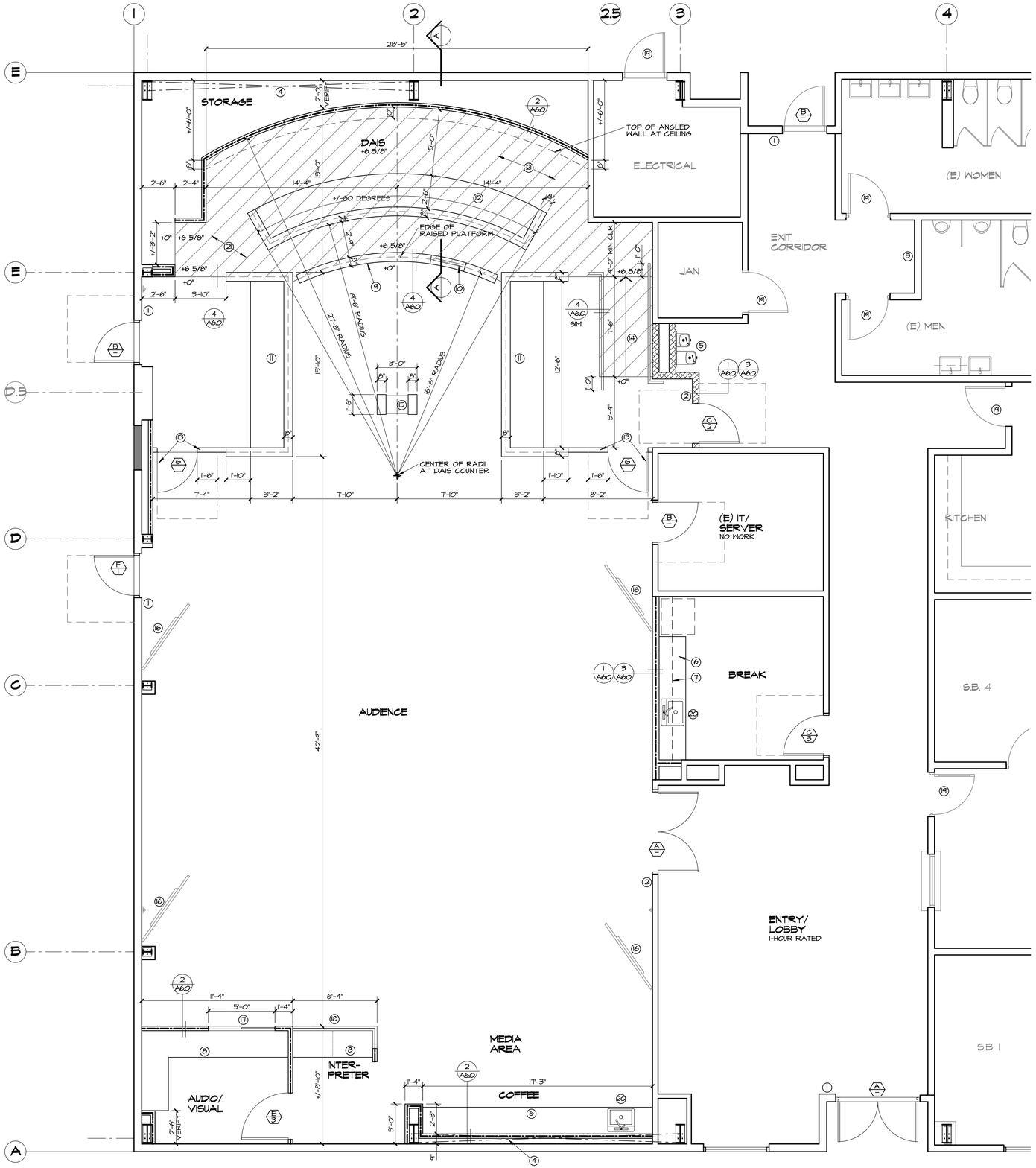
OVERALL FLOOR/EXITING PLAN

FILE NAME: 4143CDS

SHEET

A-2.0



N FLOOR PLAN 1/4"

WALL LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN- REPAIR, PATCH, AND PREP FOR PAINT AS NECESSARY TO ACHIEVE SMOOTH UNDETECTABLE APPEARANCE WHERE DAMAGED OR DISTURBED BY REMODEL
- NEW 6" 20-GAUGE METAL STUDS AT 16" O.C. WITH 5/8" GYP BOARD EACH SIDE FROM FLOOR TO DECK ABOVE FOR CONTINUOUS 1-HOUR ASSEMBLY (UL #U-419) SEE DETAIL 1 ON SHEET A-6.0
- NEW INFILL FRAMING WITH 6" x 20 GA METAL STUDS AT 16" O.C. WITH 5/8" GYP BOARD ON THE INTERIOR AND CEMENT PLASTER EXTERIOR FINISHES TO MATCH AND BLEND WITH THE EXISTING ADJACENT - INSTALL R-19 MINIMUM INSULATION
- NEW 3-5/8" X 20 GA METAL STUDS AT 16" O.C. WITH 5/8" GYP BOARD EACH SIDE FROM FLOOR TO UNDERSIDE OF EXISTING ROOF/FLOOR DECK. INSTALL R-11 INSULATION FOR SOUND (NON-RATED)- SEE DETAIL 2/A-6.0

FLOOR PLAN NOTES

1. ALL DIMENSIONS TO FACE OF STUD U.N.O.
2. BRACE ALL PARTITIONS TO STRUCTURE ABOVE WITH STUDS AT 8'-0" O.C. OR WALL MIDPOINTS AT 45 DEGREES AND PERPENDICULAR TO WALL - SEE ALSO TYPICAL DETAIL
3. PROVIDE HORIZONTAL BACKING FOR CABINETRY SHELVING AND ACCESSORIES AS REQUIRED FOR ALL CONTRACTOR AND OWNER SUPPLIED CABINETRY AND ACCESSORIES
4. FURR WALL FRAMING AS REQUIRED TO CONCEAL STRUCTURAL COLUMNS AND ELECTRICAL PANELS AS REQUIRED
5. DIMENSIONS NOTED AS "CLEAR" OR "CLR" SHALL INDICATE CRITICAL REQUIRED DIMENSIONS MEASURED FROM FINISHED SURFACE TO FINISHED SURFACE- NOTIFY ARCHITECT IMMEDIATELY WHEN DISCREPANCY IS IDENTIFIED
6. ALL PASSAGEWAYS AND OPENINGS SHALL BE MINIMUM 32" CLEAR

KEYNOTES

1. WALL MOUNTED TACTILE EXIT SIGN STATING "EXIT"- LOCATION SHALL MATCH SIGNAGE ON OPPOSITE SIDE OF GLAZING WHERE OCCURS - SEE DETAIL 11/A-6.0
2. TACTILE EXIT SIGN STATING "EXIT ROUTE" - SEE DETAIL 11/A-6.0
3. NEW SEMI-RECESSED ALUMINUM FIRE EXTINGUISHER CABINET ACADEMY MODEL 1027VO BY JL INDUSTRIES OR EQUAL- VERIFY FINAL LOCATIONS WITH FIRE DEPARTMENT PRIOR TO INSTALLATION - PAINT EXISTING TO REMAIN - INSTALL SO THAT NO PORTION EXTENDS BEYOND 4" MAXIMUM PROJECTION FROM WALL AND LEADING EDGES ARE BETWEEN 27" AND 80" A.F.F.
4. EXISTING ROD TYPE X-BRACING AT METAL BUILDING FRAME- CONCEAL WITH NEW WALL FRAMING
5. NEW OR RELOCATED HI-LOW DRINKING FOUNTAIN WITH INTEGRATED BOTTLE FILLER ABOVE - SEE DETAIL 9/A-6.0
6. STAIN GRADE BASE CABINETRY WITH 34" MAX HIGH SOLID SURFACE COUNTER AND SPLASH - SEE INTERIOR ELEVATIONS FOR FINISHES
7. STAIN GRADE UPPER CABINETRY WITH ADJUSTABLE SHELVES TO MATCH BUILDING STANDARD- SEE INTERIOR ELEVATIONS FOR FINISHES
8. SOLID SURFACE WORK COUNTER AND SPLASH AT 30" WITH DIAGONAL WALL BRACES AT 4'-0" O.C. MAX - SEE INTERIOR ELEVATIONS FOR FINISHES
9. CURVED SOLID SURFACE PARTIAL HEIGHT ACCENT WALL- SEE INTERIOR ELEVATIONS
10. ACRYLIC KHSD SEAL WITH FROSTED DETAILS- MOUNT TO SOLID SURFACE CURVED ACCENT WALL - SEE INTERIOR ELEVATIONS
11. BOARDROOM CABINETRY WITH CAPACITY FOR (5) SUPPORT STAFF SEATING POSITIONS AT +30" HIGH WORK COUNTER AND SOLID SURFACE SURROUND- SEE INTERIOR ELEVATIONS
12. CURVED BOARDROOM DAIS DESK WITH CAPACITY FOR (8) MEMBER SEATING POSITIONS AT +30" WORK COUNTER- SEE INTERIOR ELEVATIONS
13. 32" HIGH PARTIAL HEIGHT MILLWORK BARRIER AND 36" WIDE GATE- LEVER HARDWARE AND CLEARANCES SHALL COMPLY WITH ALL STANDARD DOOR REQUIREMENTS
14. NEW ACCESSIBLE RAMP RAMP TO RAISED FLOOR WITH 1:12 MAXIMUM SLOPE, LEVEL LANDING AT TOP AND +36" HIGH HANDRAILS EACH SIDE- SEE RAMP PLANS AND INTERIOR ELEVATIONS - RETURN EXTENSIONS AS SHOWN PER CBC EXCEPTION
15. CUSTOM MOVABLE PODIUM- SEE INTERIOR ELEVATIONS
16. WALL MOUNTED TV/MONITOR- COORDINATE WITH KHSD IT/AV DEPARTMENT- BOTTOM SHALL BE AT 80" MINIMUM A.F.F.
17. SLIDING TEMPERED GLASS PANEL IN ALUMINUM CHANNELS BY CRL OR EQUAL- SEE INTERIOR ELEVATIONS
18. FIXED TEMPERED GLASS PANEL IN ALUMINUM CHANNELS BY CRL OR EQUAL WITH BUTT-JOINTED CORNER- SEE INTERIOR ELEVATIONS
19. EXISTING 3'-0" WIDE DOOR AND HARDWARE TO REMAIN INCLUDING RATED ASSEMBLY AS REQUIRED - NOT WITHIN SCOPE OF WORK
20. COUNTER MOUNTED SINK WITH REAR DRAIN FOR ACCESSIBLE KNEE CLEARANCE REQUIREMENTS
21. HATCHED AREA DENOTES WOOD FRAMED RAISED FLOOR- 1 1/8" T&G PLYWOOD SHEATHING GLUED AND SCREWED TO PRESSURE TREATED 2x8 FRAMING AT 16" O.C. ON EXISTING CONCRETE SLAB- INCLUDE SOLID BLOCKING AT PANEL JOINTS - ATTACH TO SLAB WITH POWDER DRIVEN NAILS

DOOR SCHEDULE

- A - EXISTING 3'-0" WIDE DOUBLE DOORS, HARDWARE AND EXIT DEVICE TO REMAIN
- B - EXISTING 3'-0" WIDE DOOR, HARDWARE AND EXIT DEVICE OR LEVER LATCH/ LOCK TO REMAIN
- C - NEW 3'-0" x 7'-0" x 1 3/4" 20-MINUTE RATED SOLID CORE WOOD STAIN GRADE DOOR WITH 6"x30" VIEW PANEL WITH WIRE GLASS AND HOLLOW METAL FRAME TO MATCH EXISTING
- D - NEW 3'-0" x 7'-0" x 1 3/4" SOLID CORE WOOD STAIN GRADE DOOR WITH 6"x30" VIEW PANEL AND HOLLOW METAL FRAME TO MATCH EXISTING
- E - NEW 3'-6" x 7'-0" x 1 3/4" SOLID CORE WOOD STAIN GRADE DOOR WITH 24"x30" VIEW PANEL AND HOLLOW METAL FRAME TO MATCH EXISTING
- F - NEW 3'-0" x 7'-0" x 1 3/4" HOLLOW METAL DOOR AND HOLLOW METAL FRAME TO MATCH EXISTING
- G - NEW 3'-0" WIDE MILLWORK GATE - NO FRAME

DOOR HARDWARE SCHEDULE

1 - HOLLOW METAL DOOR (EXTERIOR)

1 1/2	PAIR HINGES	4 1/2"x4 1/2" #BB1279 BY "HAGAR"
1	EXIT DEVICE	EXIT DEVICE (PANIC) WITH RIM DEVICE (78 SERIES) AND EXTERIOR LEVER/LOCK (#TBOL) BY "VON DUPRIN" OR EQUAL
1	THRESHOLD	#2550 BY "PEMKO" ON EXTERIOR DOORS ONLY

2 - CLASSROOM LOCK (INTERIOR)

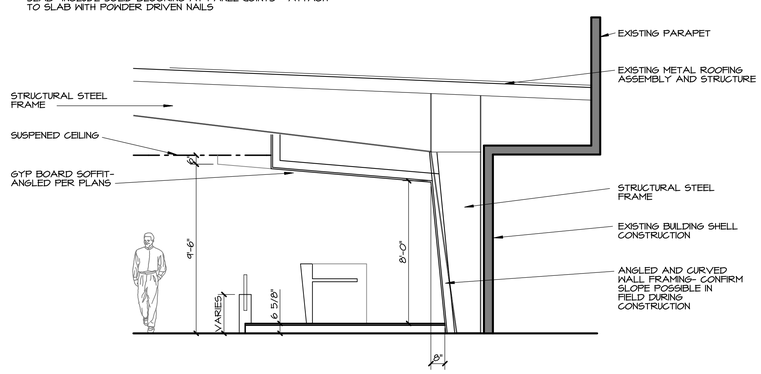
1 1/2	PAIR HINGES	4 1/2"x4 1/2" #BB1279 BY "HAGAR"
1	EXIT DEVICE	EXIT DEVICE (PANIC) WITH RIM DEVICE (78 SERIES) AND EXTERIOR LEVER/LOCK (#TBOL) BY "VON DUPRIN" OR EQUAL
1	DOOR STOP	WALL MOUNTED BY "QUALITY" OR EQUAL
2	KICKPLATES	10" EACH SIDE BY "QUALITY" OR EQUAL

3 - CLASSROOM LOCK (INTERIOR)

1 1/2	PAIR HINGES	4 1/2"x4 1/2" #BB1279 BY "HAGAR"
1	LOCK SET	STOREROOM LOCK #ND70PD BY "SCHLAGE"
1	DOOR STOP	WALL MOUNTED BY "QUALITY" OR EQUAL
2	KICKPLATES	10" EACH SIDE BY "QUALITY" OR EQUAL

DOOR / HARDWARE NOTES

1. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. SUCH PULL OR PUSH FORCE BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND CENTER PLANE OF SLIDING DOORS. UNLATCHING SHALL NOT REQUIRE MORE THAN ONE OPERATION. COMPENSATING DEVICES OR AUTOMATIC DOORS MAY BE USED TO MEET REQUIREMENTS. FIRE RATED DOORS MAY BE INCREASED TO 15 LBS.
3. ALL DOORS SHALL HAVE "SCHLAGE" "ND" SERIES WITH "RHODES" LEVER TYPE HARDWARE- #626 FINISH BY TO MATCH BUILDING STANDARD UNLESS NOTED OTHERWISE - MOUNTED AT +36" A.F.F.
4. FLOORS AND LANDINGS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE ADJACENT DOORWAY WITH A BEVELED CORNER NO GREATER THAN 50% IN SLOPE (1:2)
5. DOORS EQUIPPED WITH CARD READERS SHALL BE COORDINATED WITH OWNER, CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL ALL NECESSARY HARDWARE, JUNCTION BOXES, AND CONDUIT WITH PULL CORDS. FINAL CONNECTION SHALL BE MADE BY OWNER.
6. VERIFY KEYING SCHEDULE OF ALL DOORS WITH SECURITY / OWNER TO MATCH EXISTING BUILDING STANDARDS
7. PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY WHERE REQUIRED IF NOT EXISTING
8. ALL NEW DOORS, FRAMES, AND HARDWARE FINISHES SHALL MATCH EXISTING BUILDING STANDARD UNLESS NOTED OTHERWISE
9. COORDINATE ADDITIONAL REQUIREMENTS FOR SECURITY EQUIPMENT WITH OWNER
10. CONTRACTORS AND SUB-CONTRACTORS SHALL NOT "WEDGE" MATERIALS OR ITEMS UNDER DOORS EQUIPPED WITH SWEEPS AND SEALS DURING CONSTRUCTION. TENANT WILL PERFORM FINAL INSPECTION TO ENSURE THAT MECHANICAL DROP SEALS WORK PROPERLY AND RUBBER SEALS COME IN FULL CONTACT WITH DOOR WHEN CLOSED.
11. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING COORDINATING HARDWARE SETS AND CYLINDER TYPES DURING BIDDING AND SUBMITTAL REVIEW PROCESSES TO MEET KHSD STANDARDS



SECTION 'A' 1/4"

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DISTRICT OFFICE REMODEL

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4-2-24	BUILDING DEPT REVIEW
11-14-24	CORRECTIONS / PERMIT

NO.	REVISIONS
1	
2	
3	
4	

ENLARGED FLOOR PLAN

FILE NAME: 4143CDS

SHEET
A-2.1

TABLE 5504.4.1
ADHESIVE VOC LIMIT [1,2]

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVE	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT AND ASPHALT TILE ADHESIVES	50
DRYWALL AND PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVE NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP AND TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.
2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, HTTP://WWW.ARB.CA.GOV/DRDB/SC/CURHTML/R1168.PDF

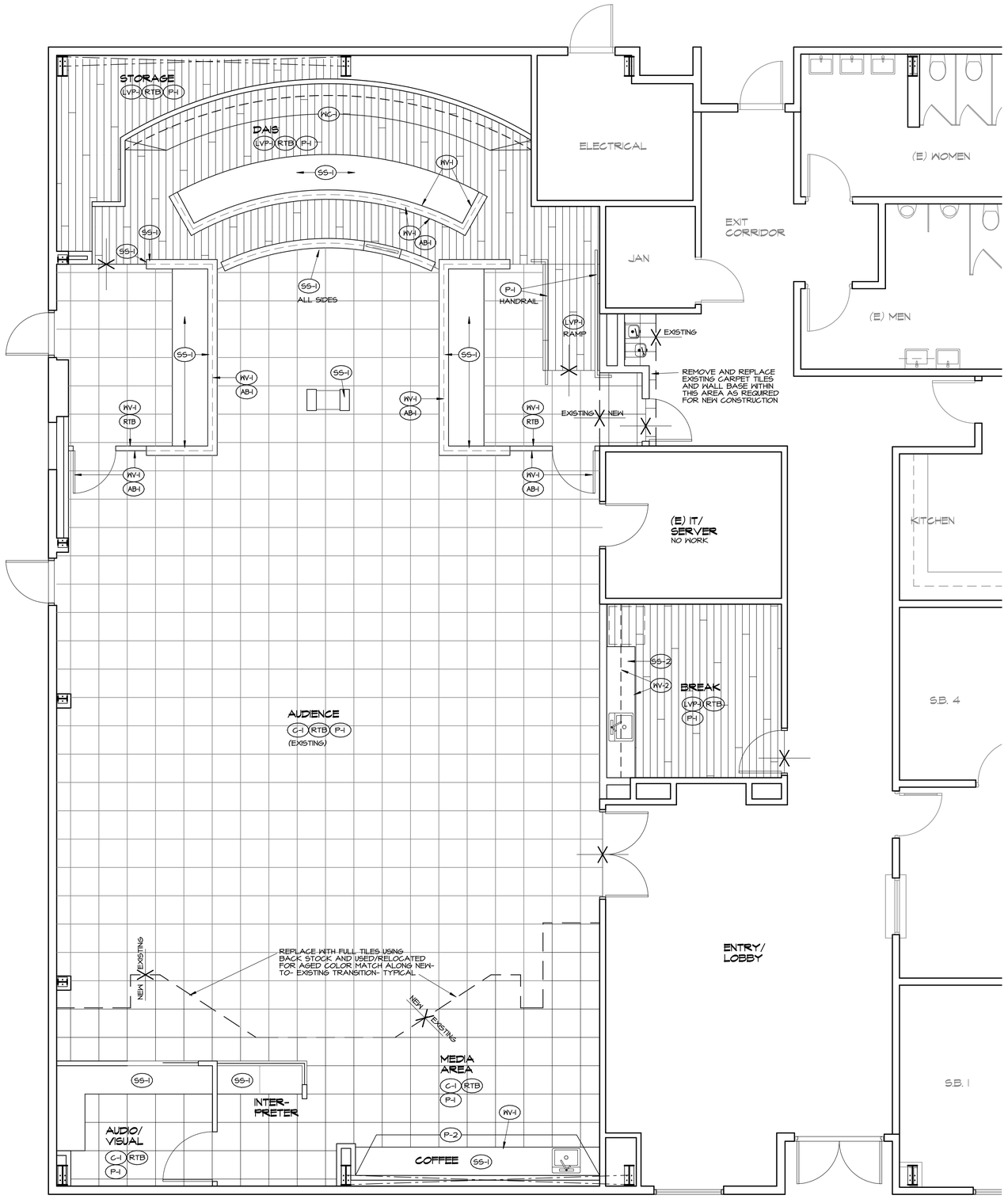
TABLE 5.504.4.2
SEALANT VOC LIMIT

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

TABLE 5504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS [2,3]

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATING	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS [1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS AND UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS AND UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB AND TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER AND INCLUDING EXEMPT COMPOUNDS.
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEBRUARY 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.



N FINISH PLAN

1/4"

INTERIOR FINISH LEGEND

FLOOR FINISHES

- LVP-1 — LAMINATE VINYL PLANK; METROFLOR LVT - "DOUBLE TAKE" 7"x48" 20 MIL WOOD LOOK PLANK - USE SCHLUTER VINYRO-RO ON OUTSIDE CORNERS AT RAMP AND RAISED PLATFORM
  COLOR: #DT20002 "CAMELBACK"
- C-1 — CARPET TILE; 24"x24" MOHAWK GROUP 'LITHOSPHERE' MONOLITHIC INSTALLATION TO MATCH AND ALIGN WITH EXISTING
  COLOR: #856 "SEDIMENT"

WALL BASE

- AB-1 — ALUMINUM REVEAL BASE; FRY REGLET 4" MILLWORK CHANNEL BASE WITH RETURN KEY - CUT DOWN TO PROVIDE 1" HIGH BASE - COORDINATE WITH MILLWORK SUBCONTRACTOR
- RTB — RUBBER TOP SET BASE- 4" STANDARD CONTINUOUS 'BURKE' BASE OR EQUAL- INCLUDE AT ALL NEW MILLWORK TOE KICKS
  COLOR: "BLACK- BROWN" TO MATCH EXISTING

WALL FINISHES

- P-1 — MAIN / FIELD PAINT; 'DUNN EDWARDS' OR EQUAL- EGGSHELL FINISH
  COLOR: TO BE DETERMINED
- P-2 — ACCENT PAINT; 'DUNN EDWARDS' OR EQUAL- EGGSHELL FINISH
  COLOR: TO BE DETERMINED
- P-3 — CEILING/SOFFIT PAINT; 'DUNN EDWARDS' OR EQUAL- EGGSHELL FINISH
  COLOR: TO BE DETERMINED
- WC-1 — CUSTOM GRAPHIC WALL COVERING WITH KHSD LOGO AND SEAL

CASEWORK

1. ALL COUNTER SHALL HAVE 1" RADIUSSED CORNERS
2. ALL PLASTIC LAMINATE COUNTER EDGES TO HAVE PVC TRIM UNLESS NOTED OTHERWISE

- MV-1 — STAIN GRADE WOOD VENEER; CLEAR GRAIN VENEER APPLIED OVER APPROVED PLYWOOD OR MDF SUBSTRATE
  COLOR: MATCH 'WILSONART' "RIVER CHERRY" #7987-38
- MV-2 — STAIN GRADE WOOD VENEER; CLEAR GRAIN VENEER APPLIED OVER APPROVED PLYWOOD OR MDF SUBSTRATE COLOR: MATCH BUILDING STANDARD
- SS-1 — SOLID SURFACES AND SPLASH; BY 'CORIAN' OR EQUAL
  COLOR: "SPARKLING WHITE"
- SS-2 — SOLID SURFACES AND SPLASH; BY 'CORIAN' OR EQUAL
  COLOR: MATCH BUILDING STANDARD

FLOORING TRANSITIONS

PROVIDE AND INSTALL RUBBER/VINYL EDGE TRANSITION/ REDUCER STRIPS BETWEEN ALL DIS-SIMILAR FLOORING MATERIALS UNLESS NOTED OTHERWISE
COLOR: TO BE ALUMNUM OR MATCH RUBBER TOPSET BASE

INTERIOR FINISH NOTES

1. INSTALL SELF-LEVELING CONCRETE FOR SMOOTH TRANSITIONS AT NEW TO EXISTING UN-EVEN CONCRETE AREAS AS NECESSARY
2. PROVIDE TRANSITION STRIPS BETWEEN DIS-SIMILAR FLOORING FINISHES PER FINISH SCHEDULE
3. INTERIOR GYPSUM BOARD JOINTS SHALL RECEIVE A SMOOTH LEVEL 4 FINISH AND SURFACES SHALL BE FINISHED WITH A HEAVY TROWEL TEXTURE- UNLESS NOTED OTHERWISE
4. ALL INTERIOR GYPSUM BOARD SHALL BE FINISHED WITH ONE COAT PRIMER AND TWO COATS SEMI-GLOSS ENAMEL TYPICAL THROUGHOUT- UNLESS NOTED OTHERWISE.
5. ALL GYP BOARD WALLS, CEILINGS, AND SOFFITS WITHIN THE PROJECT AREA NOT SPECIFICALLY NOTED SHALL BE PAINTED WITH (P-1) OR AS DIRECTED BY OWNER- UNLESS NOTED OTHERWISE
6. PAINT SHALL BE AS MANUFACTURED BY "SHERWIN WILLIAMS", OR EQUAL. PRIMERS AND UNDERCOAT PAINTS SHALL BE PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COAT.
7. EXTERIOR AND INTERIOR UNFINISHED METAL SHALL BE FINISHED WITH ONE COAT PRIMER AND TWO COATS SEMI-GLOSS ENAMEL- UNLESS NOTED OTHERWISE
8. INTERIOR WOOD/ TRIM SHALL BE FINISHED WITH ONE COAT INTERIOR OIL STAIN PER FINISH SCHEDULE AND TWO COATS CATALYZED VARNISH FINISH- UNLESS NOTED OTHERWISE.
9. ALL FINISH MATERIALS, COLORS, AND LOCATIONS SHALL BE PROPOSED TO AND APPROVED BY OWNER AND ARCHITECT. APPROVAL SHALL BE BASED ON ACTUAL MATERIAL AND COLOR SAMPLES.
10. PAINT EXPOSED SURFACES, EXCEPT WHERE INDICATED OTHERWISE. IF NOT SPECIFICALLY MENTIONED, PAINT THE ITEM OR SURFACE THE SAME AS SIMILAR ADJACENT MATERIALS OR SURFACES WHETHER OR NOT NOTED ELSEWHERE. DO NOT PAINT PRE-FINISHED ITEMS, CONCEALED SURFACES FINISHED METAL SURFACES OPERATING PARTS OR LABELS.
11. UPON COMPLETION OF THE WORK, DELIVER TO THE OWNER AN EXTRA STOCK EQUALING 10% OF EACH COLOR, TYPE AND GLOSS OF PAINT USED IN THE WORK. LABEL CONTAINERS WITH CONTENTS AND LOCATIONS WHERE USED.
12. ALL WALLS GYP BOARD CEILINGS WITHIN THE AREA OF WORK AND ADJACENT TO NEW CONSTRUCTION SHALL RECEIVE NEW PAINT UNLESS NOTED OTHERWISE

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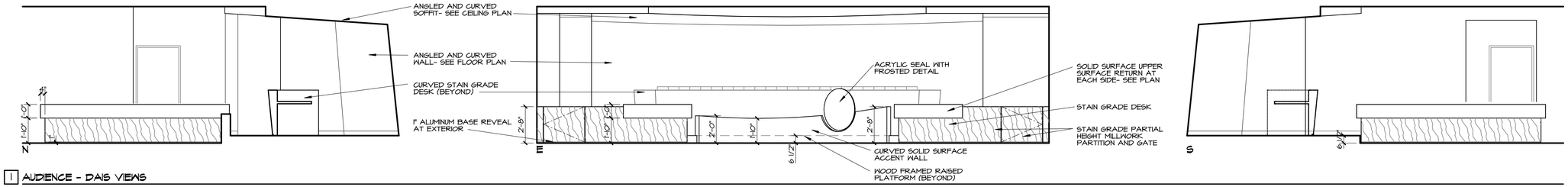
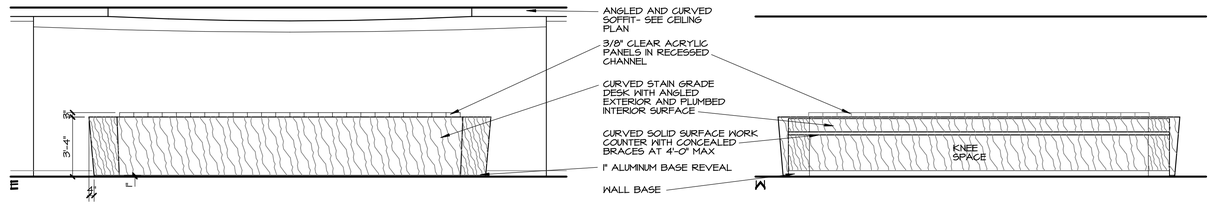
FINISH PLAN & SCHEDULE

FILE NAME: 4143CDS

SHEET
A-3.0

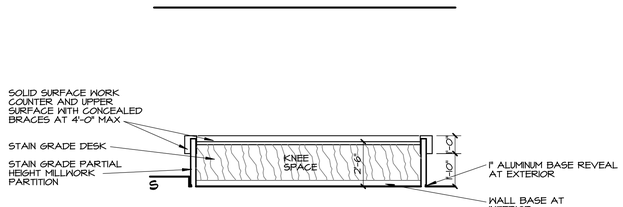


1 AUDIENCE - DAIS VIEWS

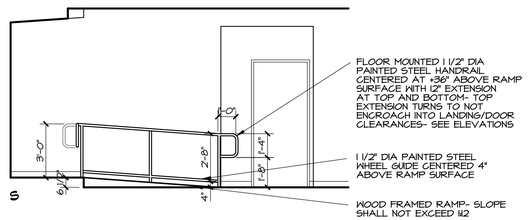


2 DAIS DESK (FRONT)

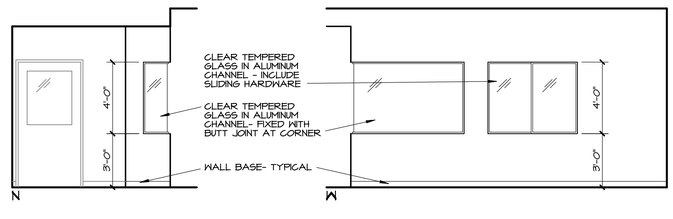
3 DAIS DESK (BACK)



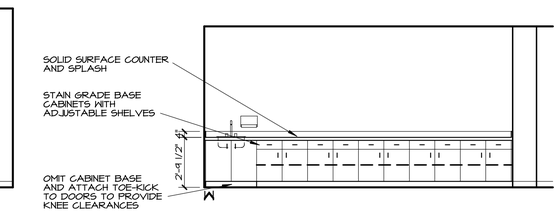
4 STAFF DESK - TYPICAL



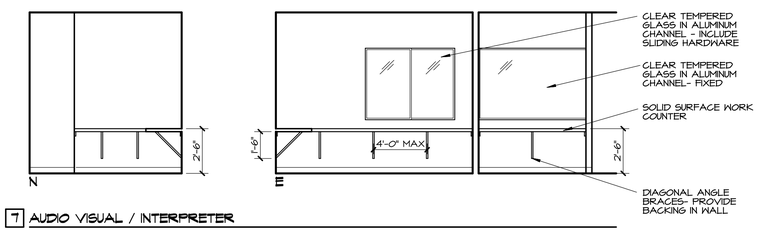
4 RAMP AT STAFF DESK



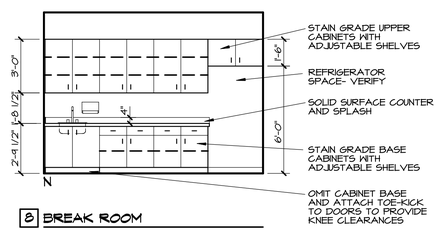
5 MEDIA / AUDIENCE



6 COFFEE



7 AUDIO VISUAL / INTERPRETER



8 BREAK ROOM

INTERIOR ELEVATION NOTES

1. ALL COUNTER TOPS SHALL BE BRACED AS REQUIRED WITH DIAGONAL SUPPORTS. MATERIAL AND FINISH SHALL MATCH ADJACENT CABINETRY.
2. WRAP ALL SINK DRAINS AND WATER LINES WITH INSULATION AS REQUIRED.
3. ALL CABINETRY, FIXTURES AND ACCESSORIES SHALL BE CONSTRUCTED AND INSTALLED PER APPLICABLE CODES.
4. FORCE REQUIRED TO ACTIVATE ALL FIXTURES SHALL BE NO GREATER THAN 5 LBF.
5. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CABINETS SHOWN ON FLOOR PLAN IN ADDITION TO THOSE SHOWN ON INTERIOR ELEVATIONS
6. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LB.
7. FAUCETS ON SELF-CLOSING FAUCET CONTROL VALVES, IF USED, SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS
8. EACH ACCESSIBLE SINK SHALL BE A MAXIMUM OF 6 1/2" DEEP, SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR. KNEE CLEARANCE THAT IS AT 27" HIGH, 30" WIDE AND 19" DEEP UNDERNEATH SINKS, SEE ALSO MINIMUM KNEE CLEARANCE DIAGRAM THIS SHEET.
9. ALL SWITCHES, OUTLETS, CONTROLS, THERMOSTATS, ETC. INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL COMPLY WITH CBC SECTION 308 AND DETAIL 9/A-3.0. LOW REACH RANGES SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX/CONTROL ELEMENT AND HIGH REACH RANGES SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX/CONTROL ELEMENT.

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INTERIOR ELEVATIONS

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SHEET
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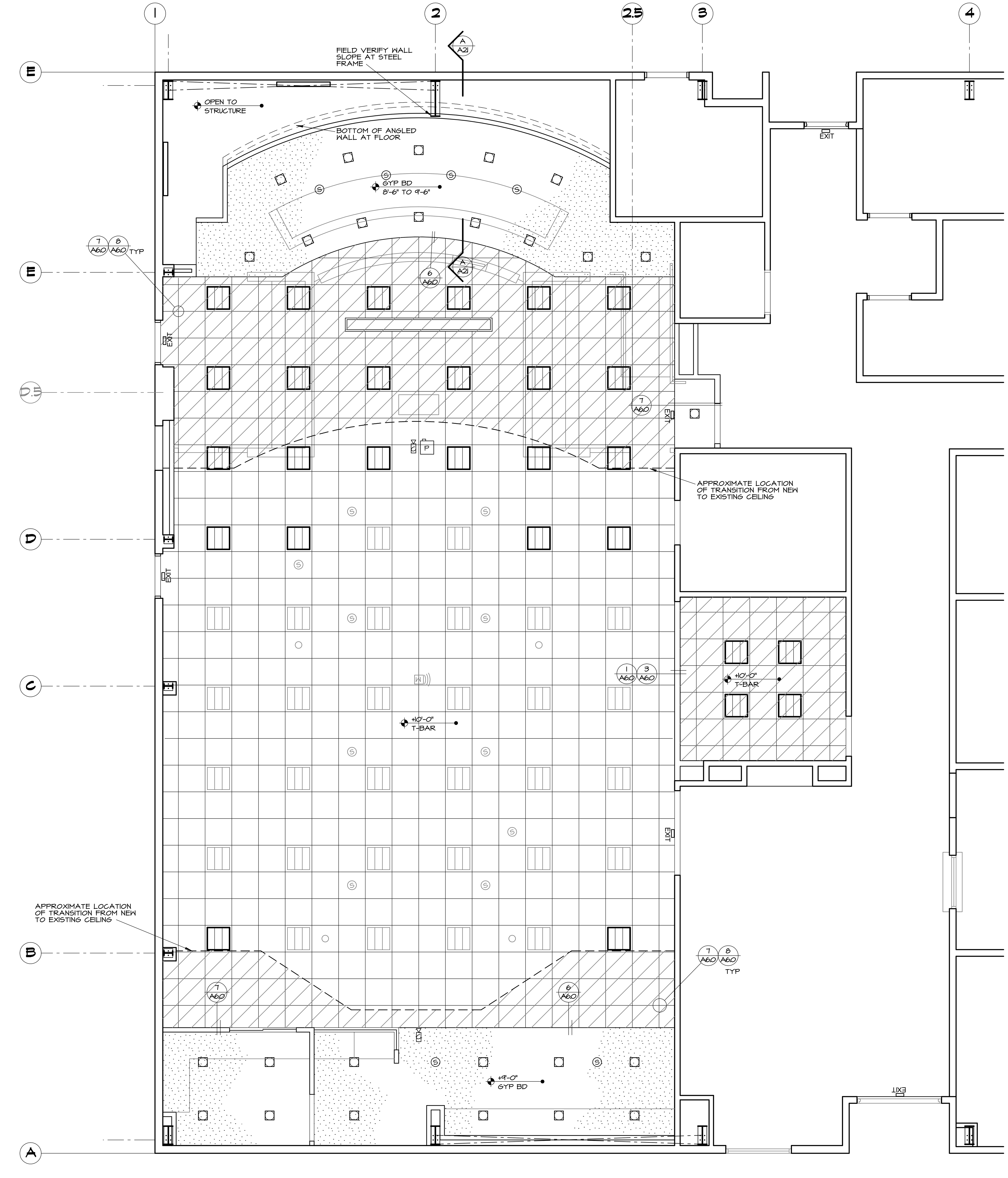

REFLECTED CEILING PLAN

1/4"

CEILING LEGEND

- EXISTING SUSPENDED T-BAR CEILING AND ACOUSTIC PANELS TO REMAIN
- APPROXIMATE EXTENT OF NEW SUSPENDED T-BAR CEILING AND ACOUSTIC PANELS TO MATCH EXISTING- CONNECT TO AND ALIGN WITH EXISTING T-BAR AS SHOWN
- NEW OR EXISTING 5/8" GYP BOARD OVER CEILING JOISTS AT 16" O.C.- SEE SPAN TABLE FOR APPROPRIATE MEMBER SIZE AND MIDSPAN BRACING REQUIREMENTS
- NEW OR RELOCATED 2x2 RECESSED MOUNTED LED LIGHT FIXTURES- SEE ELECTRICAL DRAWINGS FOR EMERGENCY BATTERY BACKUP LOCATIONS
- EXISTING 2x2 RECESSED MOUNTED LED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS FOR EMERGENCY BATTERY BACKUP LOCATIONS
- EXIT — NEW OR EXISTING WALL MOUNTED ILLUMINATED EXIT SIGN MOUNTED ABOVE THE EXIT DOORS AS SHOWN- SEE ELECTRICAL DRAWINGS
- 4"x4' WALL MOUNTED LED LIGHT FIXTURE AT +8'-0" A.F.F.- SEE ELECTRICAL DRAWINGS
- S — (E) CEILING MOUNTED SPEAKER TO REMAIN- COORDINATE CONNECTIONS WITH KHSD/IT EQUIPMENT REQUIREMENTS
- S — NEW OR RELOCATED CEILING MOUNTED SPEAKER- COORDINATE WITH KHSD AV/IT FOR FINAL LOCATION
- C — NEW/ RELOCATED CEILING MOUNTED STATIONARY CAMERA- COORDINATE WITH KHSD AV/IT FOR FINAL LOCATION
- P — NEW/ RELOCATED CEILING MOUNTED PROJECTOR- COORDINATE WITH KHSD AV/IT FOR FINAL LOCATION
- W — (E) CEILING MOUNTED WIFI TRANSMITTER- COORDINATE WITH KHSD AV/IT FOR FINAL LOCATION

CEILING PLAN NOTES

1. BRACE ALL NEW LIGHT FIXTURES AND MECHANICAL DUCTS TO STRUCTURE PER CBC, CEC, AND CMC REQUIREMENTS
2. ALL ACOUSTIC CEILING TILES SHALL HAVE A CLASS 'C' RATING: FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED RATING INDEX 0-450 AS REQUIRED FOR 'A' OCCUPANCIES PER 2022 CBC TABLE 803.9 AND / OR HAVE BEEN TESTED COMPLYING WITH TESTING PRACTICES IN ACCORDANCE TO NFPA 286 (PER 2022 CBC SECTION 803.1.2)
3. JOIST LAYOUTS AT GYPSUM BOARD CEILINGS SHALL BE WITHIN ALLOWANCES OF 6" METAL SPAN TABLE BELOW FOR CEILING JOIST USED
4. VERIFY LOCATIONS OF EMERGENCY EGRESS LIGHTING FIXTURES ON ELECTRICAL PLANS AS REQUIRED BY CBC 1006
5. CENTER SUSPENDED T-BAR CEILING GRIDS IN ROOM OR SPACE AS SHOWN- UNLESS NOTED OTHERWISE
6. ALL WALL PAINTED GYP BOARD CEILINGS SHALL BE "P-3" UNLESS NOTED OTHERWISE ON THE REFLECTED CEILING PLAN. (REFERENCE SHEET A-3.0 FOR MATERIALS SCHEDULE).
7. SEE ELECTRICAL SHEETS FOR LIGHTING LOCATIONS, TYPES, AND EMERGENCY BATTERY BACKUP FIXTURE LOCATIONS
8. SEE FIRE MECHANICAL PLANS FOR FINAL LOCATIONS OF HVAC SUPPLY AND RETURN REGISTERS
9. SEE FIRE SPRINKLER AND FIRE ALARM PLANS FOR LOCATIONS OF NEW/RELOCATED SPRINKLER HEADS AND FIRE ALARM COMPONENTS

CEILING JOIST SPAN TABLE 6" METAL STUDS

THICKNESS	13 PSF - MIDSPAN SUPPORTED		
	12" O.C.	16" O.C.	24" O.C.
25 GA	9'-0"	7'-11"	6'-7"
22 GA	10'-9"	9'-8"	8'-3"
20 GA	11'-9"	10'-9"	9'-2"
18 GA	12'-10"	11'-9"	10'-4"

SUSPENDED CEILING SEISMIC BRACING NOTES

1. PER ASTM E 580 SECTION 5.1.1, ONLY HEAVY-DUTY MAIN TEES SHALL BE USED
2. PER ASTM E 580 SECTION 5.2.2, THE PERIMETER SUPPORT ANGLE SHALL SUPPLY A SUPPORT LEDGE OF NOT LESS THAN 2 INCHES.
3. PER ASTM E 580 SECTION 5.2.3, THE MAIN RUNNER AND/OR CROSS RUNNER ENDS SHALL BE ATTACHED TO THE PERIMETER ON TWO ADJACENT WALLS. A CLEARANCE OF 3/4 INCH SHALL BE MAINTAINED BETWEEN THE MAIN RUNNER AND CROSS RUNNER ENDS AND THE PERIMETER MEMBERS ON THE TWO OPPOSITE WALLS
4. PER ASTM E 580 SECTION 5.2.3, WHERE THE TERMINAL END RUNNERS ARE NOT FIXED TO THE PERIMETER SUPPORTING CLOSURE, ALLOW FOR 3/4 INCH AXIAL MOVEMENT.
5. PER ASTM E 580 SECTION 5.2.4, TERMINAL ENDS OF MAIN RUNNERS AND CROSS MEMBERS SHALL BE TIED TOGETHER TO PREVENT SPREADING. STABILIZER BARS, CROSS TEES, OR OTHER MEANS TO PREVENT SPREADING SHALL OCCUR WITHIN 8 INCHES OF EACH WALL.
6. PER ASTM E 580 SECTION 5.2.5, DIRECT CONCEALED SUSPENDED CEILING SYSTEMS SHALL HAVE POSITIVELY CONNECTED STABILIZER BARS OR MECHANICALLY CONNECTED CROSS RUNNERS AT A MAXIMUM SPACING OF 60 INCHES PERPENDICULAR TO THE MAIN RUNNERS. STABILIZATION SHALL OCCUR WITHIN 24 INCHES OF EACH WALL.
7. PER ASTM E 580 SECTION 5.2.6, THE TERMINAL END OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDENTLY, A MAXIMUM OF 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY WITH NO. 12- GAUGE WIRE OR APPROVED WALL SUPPORT.
8. PER ASTM E 580 SECTION 5.2.7.1, SUSPENSION WIRE SHALL BE NO. 12-GAUGE MINIMUM SPACED AT 4 FEET ON CENTER ALONG EACH MAIN RUNNER UNLESS CALCULATIONS ARE PROVIDED.
9. PER ASTM E 580 SECTION 5.2.7.2, EACH VERTICAL WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER AND TO THE SUPPORT ABOVE WITH A MINIMUM OF THREE FULL TURNS WITHIN A 3 INCH LENGTH. CONNECTIONS SHALL BE CAPABLE OF CARRYING NOT LESS THAN A 100 POUND ALLOWABLE LOAD.
10. PER ASTM E 580 SECTION 5.2.7.3, SUSPENSION WIRES SHALL NOT HANG MORE THAN 1:6 OUT OF PLUMB.
11. PER ASTM E 580 SECTION 5.2.8.2, PROVIDE FOUR NO. 12- GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2 INCHES OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90⅛ FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45⅛ FROM THE PLANE OF THE CEILING EVERY 12 FEET ON CENTER IN BOTH DIRECTIONS AND BEGINNING WITHIN 6 FEET FROM EACH WALL.
12. PER ASTM E 580 SECTION 5.2.8.3, LATERAL RESTRAINT WIRES SHALL BE LOCATED A MINIMUM OF 6 INCHES FROM ALL UNRESTRAINED PIPING AND DUCTWORK.
13. PER ASTM E 580 SECTION 5.2.8.5, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2 INCH OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1 INCH IN ALL DIRECTIONS.
14. PER ASTM E 580 SECTION 5.2.8.7, CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENTLY OF THE CEILING.
15. PER ASTM E 580 SECTION 5.2.9.1, ALL CONTINUOUS CEILING AREAS EXCEEDING 2,500 FT2 SHALL HAVE A SEISMIC SEPARATION JOINT, BULKHEAD BRACED TO THE STRUCTURE, OR FULL HEIGHT PARTITION THAT BREAKS THE CEILING INTO AREAS OF NO MORE THAN 2,500 FT2 AND HAVING A 4:1 ASPECT RATIO. EACH AREA SHALL BE CAPABLE OF ALLOWING +/- 3/4 AXIAL MOVEMENT
16. PER ASTM E 580 SECTION 5.3.1, ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SYSTEM BY A MINIMUM OF TWO MECHANICAL CLIPS.
17. PER ASTM E 580 SECTION 5.3.3, WHEN THE LOAD CARRYING CAPABILITY OF CROSS TEES SUPPORTING LIGHT FIXTURES IS LESS THAN 16 PLF, SUPPLEMENTAL HANGER WIRES SHALL BE REQUIRED.
18. PER ASTM E 580 SECTION 5.3.4, LIGHTING FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE, NO. 12- GAUGE SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. WIRES NEED NOT BE TAUT.
19. PER ASTM E 580 SECTION 5.3.5, LIGHTING FIXTURES WEIGHTING MORE THAN 10 POUNDS BUT LESS THAN 56 POUNDS SHALL HAVE THREE NO. 12-GAUGE HANGER WIRES CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. WIRE NEED NOT BE TAUT.
20. PER ASTM E 580 SECTION 5.3.6, LIGHTING FIXTURES WEIGHTING 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
21. PER ASTM E 580 SECTION 5.3.7, PENDANT-HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE. THE CEILING SHALL NOT PROVIDE ANY DIRECT SUPPORT.
22. PER ASTM E 580 SECTION 5.3.8, RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.
23. PER ASTM E 580 SECTION 5.4.1, FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING LESS THAN 20 POUNDS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS THAT HAVE THE SAME CARRYING CAPACITY AS THE MAIN RUNNERS.
24. PER ASTM E 580 SECTION 5.4.1, FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING MORE THAN 20 POUNDS BUT LESS THAN 56 POUNDS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS THAT HAVE THE SAME CARRYING CAPACITY AS THE MAIN RUNNERS AND SHALL HAVE TWO NO. 12-GAUGE HANGER WIRES CONNECTED FROM THE TERMINAL OR SERVICE TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. WIRES NEED NOT BE TAUT.
25. PER ASTM E 580 SECTION 5.4.3, FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING MORE THAN 56 POUNDS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

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NOTICE TO CONTRACTORS
Written dimensions on these drawings shall take precedence over scaled dimensions. Contractor shall verify and be responsible for confirming all dimensions and shall notify the architect immediately of any discrepancies or field variations discovered.

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REFLECTED CEILING PLAN

FILE NAME: 4143CDS

SHEET
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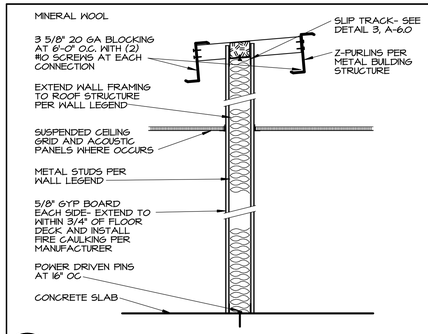
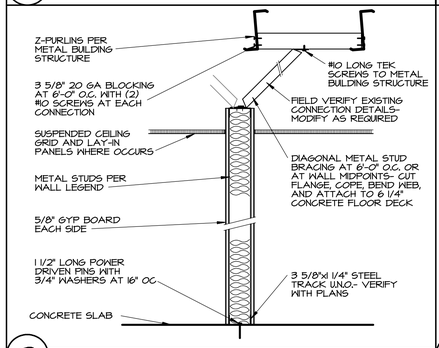
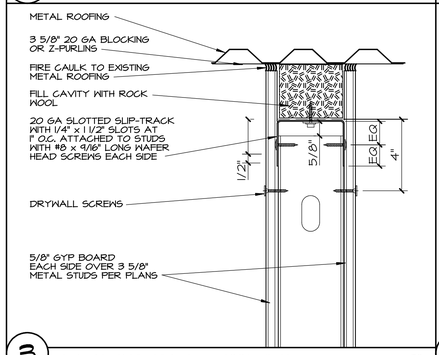


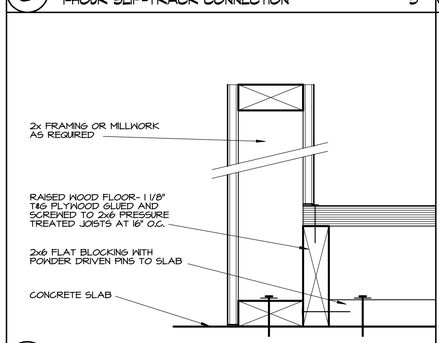
1 1-HOUR WALL CONNECTIONS 1"



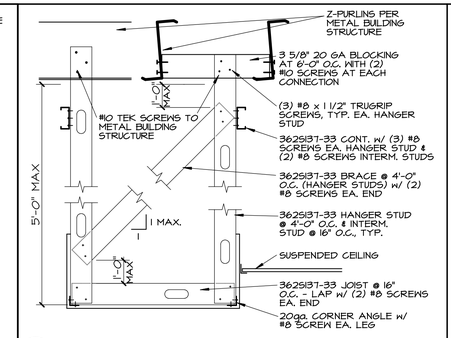
2 TYPICAL WALL CONNECTIONS 1"



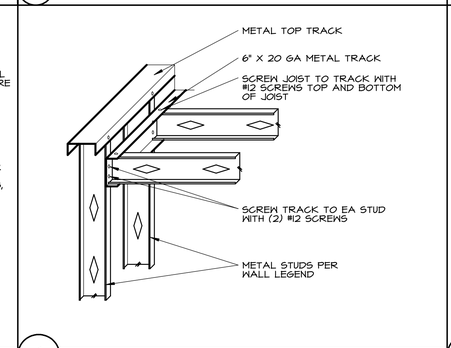
3 1-HOUR SLIP-TRACK CONNECTION 3"



4 RAISED FLOOR CONNECTIONS 3"

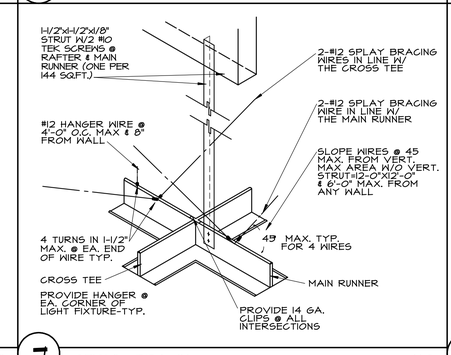


5 MTL STUD SOFFIT/CEILING CONNECTIONS NS

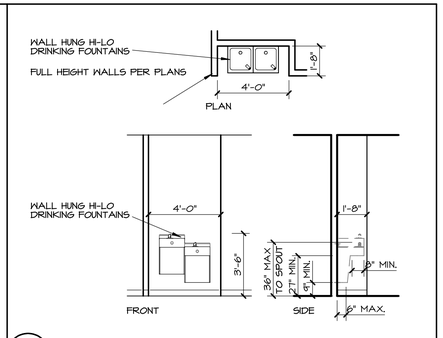


6 CEILING FRAMING N.S.

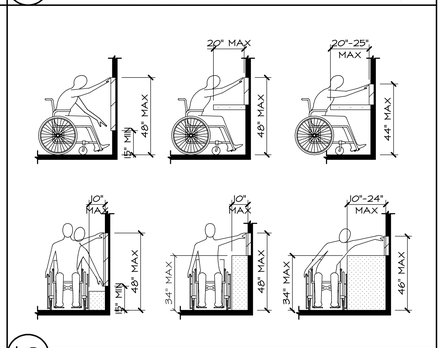
7 SEISMIC BRACING N.S.



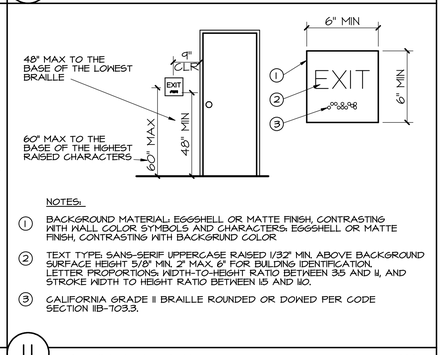
8 SEISMIC BRACING N.S.



9 HI-LO DRINKING FOUNTAIN 1/4"



10 ACCESSIBLE REACH RANGES NS



11 TACTILE EXIT SIGN NS

12

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DETAILS

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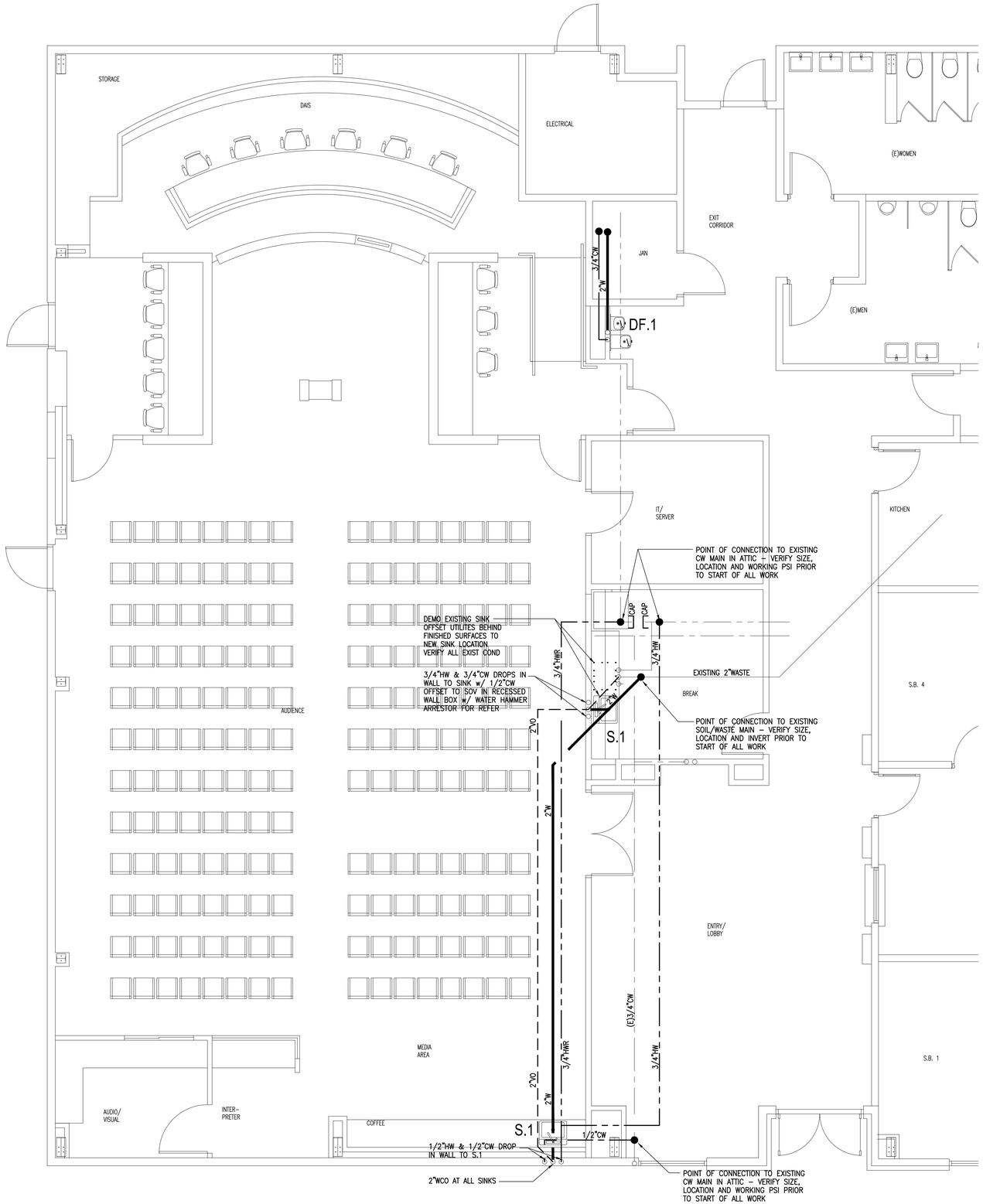

N PLUMBING PLAN

1/4"

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PLUMBING

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PLUMBING GENERAL NOTES

1 PROVIDE COMPLETE PLUMBING SYSTEM INCLUDING ALL FIXTURES, FIXTURE CONNECTIONS, PIPING AND CONNECTIONS TO WATER MAIN AND MAIN SEWER.

2 PLUMBING SYSTEM TO BE IN ACCORDANCE WITH GOVERNING CODES AND ORDINANCES AND APPROVED BY GOVERNING AGENCIES. PAY ALL CHARGES AND FEES. OBTAIN ALL PERMITS. OBTAIN AND PAY FOR GAS AND WATER SERVICES AND METERS.

3. INSULATE ALL HOT WATER LINES PER T-24

4 SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING, FIXTURES, DRAINS PIPE CHASES AND FURRING.

5 COORDINATE ALL LOCATIONS, SIZES AND ELEVATIONS OF ALL SLEEVES THRU WALLS AND SLABS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, AND FLOORS INCLUDING ALL SAW CUTTING AND CORE DRILLINGS.

7 COORDINATE & VERIFY EXACT LOCATIONS, SIZES POINTS OF CONNECTION & INVERT ELEVATIONS OF ALL EXISTING PIPING PRIOR TO INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

8 ACCESS DOORS TO BE J.R. SMITH #4760, #4730 IN TILE WALLS.

9 PLUMBING DRAWINGS ARE DIAGRAMMATIC. THE LOCATION AND ELEVATION OF ALL PLUMBING PIPING IS APPROXIMATE AND SHALL BE VERIFIED & COORDINATED WITH ALL OTHER TRADES, STRUCTURAL CONDITIONS, AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.

10 ALL VALVES SHALL BE LOCATED SO AS TO BE READILY ACCESSIBLE WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS OR ABOVE A CEILING AN ACCESS PANEL SHALL BE INSTALLED.

11 PROVIDE NON-CONDUCTIVE DIELECTRIC CONNECTIONS JOINING DISSIMILAR METALS.

12 ALL WORK SHALL CONFORM TO CODE. IN CASE OF CONFLICTS WITH CODE, DRAWINGS OR SPECIFICATIONS THE MOST STRINGENT SHALL PREVAIL.

13 ALL PIPING PENETRATIONS THRU A FIRE RATED WALL SHALL BE INSTALLED WITH AN APPROVED FIRESTOP SYSTEM.

14 SERVICE WATER HEATING EQUIP. SHALL MEET ALL OF THE REQUIREMENTS OF THE APPLICABLE EFFICIENCY STANDARDS AND SHALL BE CURRENTLY LISTED AS CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION.

15 ALL ADA ACCESSIBLE FIXTURES SHALL BE FURNISHED AND INSTALLED IN STRICT ACCORDANCE WITH THE C.A.C

16 COORDINATE WITH ARCHITECTURAL DRAWINGS FOR WALL AND PARTITION CONSTRUCTION AND THICKNESS WHERE PLUMBING PIPING OR EQUIPMENT IS INDICATED.

17 TEST ALL SOIL, WASTE, VENT, DRAINAGE, WATER & GAS LINES PER INSPECTORS ORDERS.

18 PIPE HANGER #104 GRINNEL CO. HANGER RODS #243GRINNEL CO. PROVIDE SEMCO TRISOLATOR AT EACH SUPPORT POINT ON ALL PIPING.

19 ALL PLUMBING FIXTURES TO BE SUPPLIED COMPLETE INCLUDING ALL "P" TRAPS, ANGLE OR STRAIGHT STOPS, ETC.

20 CLEANOUTS TO BE SMITH #4043 FINISHED FLOORS WITH NON-SKID BRONZE TDENTAL STATION WALL CLEANOUTS SMITH #4470. EXTERIOR CLEANOUTS #4253. SURFACE AREAS, USE #4425 ON NON-SURFACE AREA PROVIDE 16" X 16" X 6" CAST CONCRETE RING AT TOP OF BOX AND FLUSH WITH GRADE.

21 HANGERS & SUPPORTS: INSTALL PIPE THAT IT MAY EXPAND OR CONTRACT FREELY. HORIZONTAL STEEL OR COPPER PIPING SHALL HAVE

22 ALL FLOOR TYPE WATER CLOSETS SHALL BE SET ON SMITH SLOTTED CAST IRON FLOOR FLANGE.

23 ALL SOIL & WASTE LINES TO SLOPE 2% INSIDE & 1% OUTSIDE MINIMUM, VERIFY INVERTS BEFORE STARTING WORK.

24 INSULATE ALL HOT WATER LINES & 'P' TRAPS W/BROCAR #500RCW UNDER ALL LAVS AND SINKS

25 INSTALL ALL NEW PLUMBING AND PIPING WORK TO AVOID INTERFERENCE WITH NEW AND EXISTING MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT WHERE REQUIRED, OFFSET NEW PIPING TO CLEAR EXISTING INSTALLATION.

26 ALL REQUIRED CLEANOUTS SHALL BE INSTALLED AS PER CHAPTER 7 OF THE 2022 CPC.

27 NEW OR REPAIRED POTABLE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD SET IN CHAPTER 6 SEC 609.9 1 THRU 4 OF THE 2022 CPC.

(1) THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT THE POINTS OF OUTLET.

(2) THE SYSTEM OR PARTS THEREOF SHALL BE FILLED WITH A WATER CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF CHLORINE, AND THE SYSTEM OR PART THEREOF SHALL BE VALVED-OFF AND ALLOWED TO STAND FOR 24 HOURS; OR, THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS.

(3) FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER.

(4) THE PROCEDURE SHALL BE REPEATED WHERE IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSISTS IN THE SYSTEM.

28 ACCESSIBLE WATER HAMMER ARRESTERS SHALL BE INSTALLED FOR QUICK-ACTING VALVES. LOCATION AND METHOD OF INSTALLATION SHALL COMPLY WITH THE MANUFACTURE'S RECOMMENDATIONS.

29 CONTRACTOR TO PERFORM A SCOPE OF THE EXISTING UNDER GROUND SEWER PIPES WITH THE BUILDING FOOT PRINT TO DETERMINE CONDITION, DEPTH, AND EXACT LOCATIONS OF SANITARY SEWER PIPES. CONTRACTOR WILL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

30 CONTRACTOR TO PROVIDE A HYDRO JETTING CLEANING OF ALL EXISTING SANITARY SEWER PIPES

31 BEFORE COMMENCEMENT OF WORK THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR PROBLEMS.

32 TRAPS FOR ALL LAVATORIES AND SINKS SHALL BE TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITH THE WALL.

33 ALL PLUMBING WORK SHALL BE INSTALLED TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.

34 CONTRACTOR SHALL COORDINATE WITH THE GAS COMPANY FIELD PLANNER FOR ALL GAS COMPANY WORK RELATED TO THE METER AND SERVICE LOCATION PRIOR TO ANY OTHER OTHER WORK TO ENSURE A COMPLETE AND OPERABLE SERVICE PRIOR TO FINAL.

35 CONTRACTOR SHALL PROVIDE 6 BOUND COPIES OF SUBMITTAL DATA ON ALL FIXTURES, MATERIAL AND EQUIPMENT. A LIST OF NAMES IS NOT A VALID SUBMITTAL. ALL ITEMS NOT SUBMITTED SHALL BE AS SPECIFIED ON PLANS.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	DCW	DHW	S&W	TRAP	VENT	DESCRIPTION
S.1	*SINK*	*3/4"*	*3/4"*	*2"*	*1-1/4"*	*2"*	*JUST #SL-ADA-2017-A-GR SINGLE COMPARTMENT SINK - 304 STAINLESS STEEL - 20"X17" O.D. - 6 1/2" DEEP - 18 GAUGE - SELF RIMMING - UNDERCOATED (2)#J-35-FS FLAT STRAINER - MOEN #8137 SINGLE LEVER FAUCET (2) ANGLE WALL STOPS W/FLEX RISERS - "P"TRAP*
DF.1	*HI-LO WATER COOLER*	*3/4"*		*2"*	*2"*	*2"*	*ELKAY #LZSTL8WSSK BARRIER-FREE WATER COOLER / BOTTLE FILLER - STAINLESS STEEL CABINET 7.0 F.I.A @ 120v - VERIFY RECOMMENDED MOUNTING HEIGHT MOUNTING HEIGHT FOR HANDI-CAP*

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	(BF)	BELOW FLOOR
	CV	CHECK VALVE
	CO	CLEANOUT
	COTG	CLEANOUT TO GRADE
	CP	CIRCULATING PUMP
	COND	CONDENSATE DRAIN
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
	TW	DOMESTIC TEMPERED WATER
	(E)	EXISTING
		EXISTING WASTE OR SOIL & WASTE
	EXP	EXPOSED
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	FTR	FLUE THRU ROOF
	GAS	GAS
	HB	HOSE BIBB
	HP	HIGH PRESSURE
	HP	HIGH PRESSURE
	LPG	LIQUID PETROLEUM GAS
	MH	MANHOLE
	NIC	NOT IN CONTRACT
	POC	POINT OF CONNECTION
	SOV	SHUT-OFF VALVE
		SHUT-OFF VALVE IN YARDBOX
	S&W	SOIL & WASTE
	TP	TRAP PRIMER
	TV	TEMPERING VALVE
	VO	VENT OFFSET
	VTR	VENT THRU ROOF
	WCO	WALL CLEANOUT
	W	WASTE

PIPING MATERIALS

SOIL\WASTE AND VENT - CAST IRON
WATER (DOMESTIC) - TYPE "L" HARD DRAWN COPPER - LEAD FREE JOINTS
GAS - SCH 40 BLACK STEEL
CONDENSATE - TYPE "M" HARD DRAWN COPPER

NOTES

GALVANIZED MALLEABLE IRON, GALVANIZED WROUGHT IRON, OR GALVANIZED STEEL ARE PROHIBITED MATERIALS FOR WATER SUPPLY AND BUILDING WATER PIPING BOTH UNDERGROUND AND IN BUILDINGS

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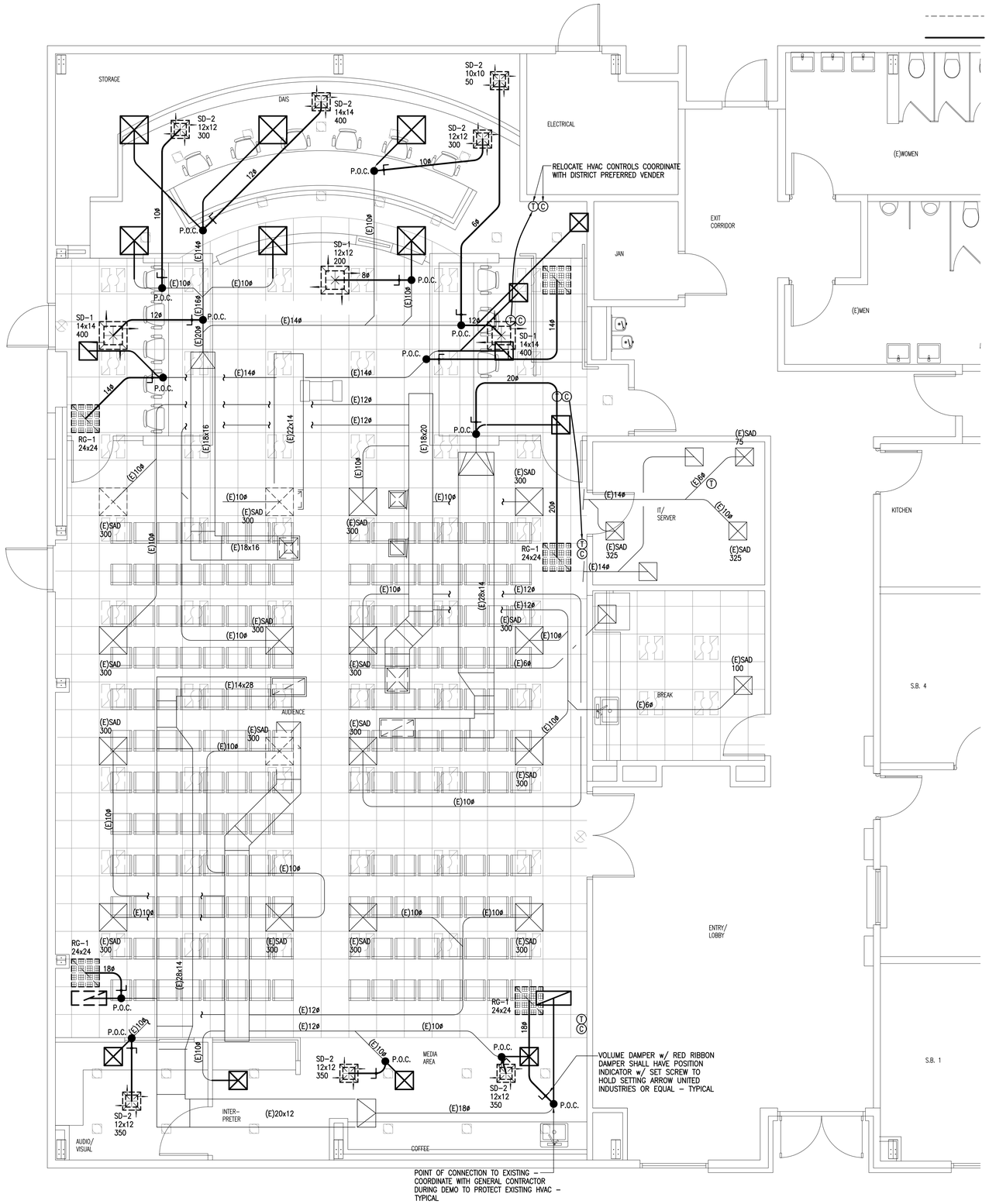
LINE TYPE LEGEND

- EXISTING WORK TO BE REMOVED
- EXISTING WORK TO REMAIN
- NEW WORK



N

MECHANICAL PLAN

1/4"

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MECHANICAL

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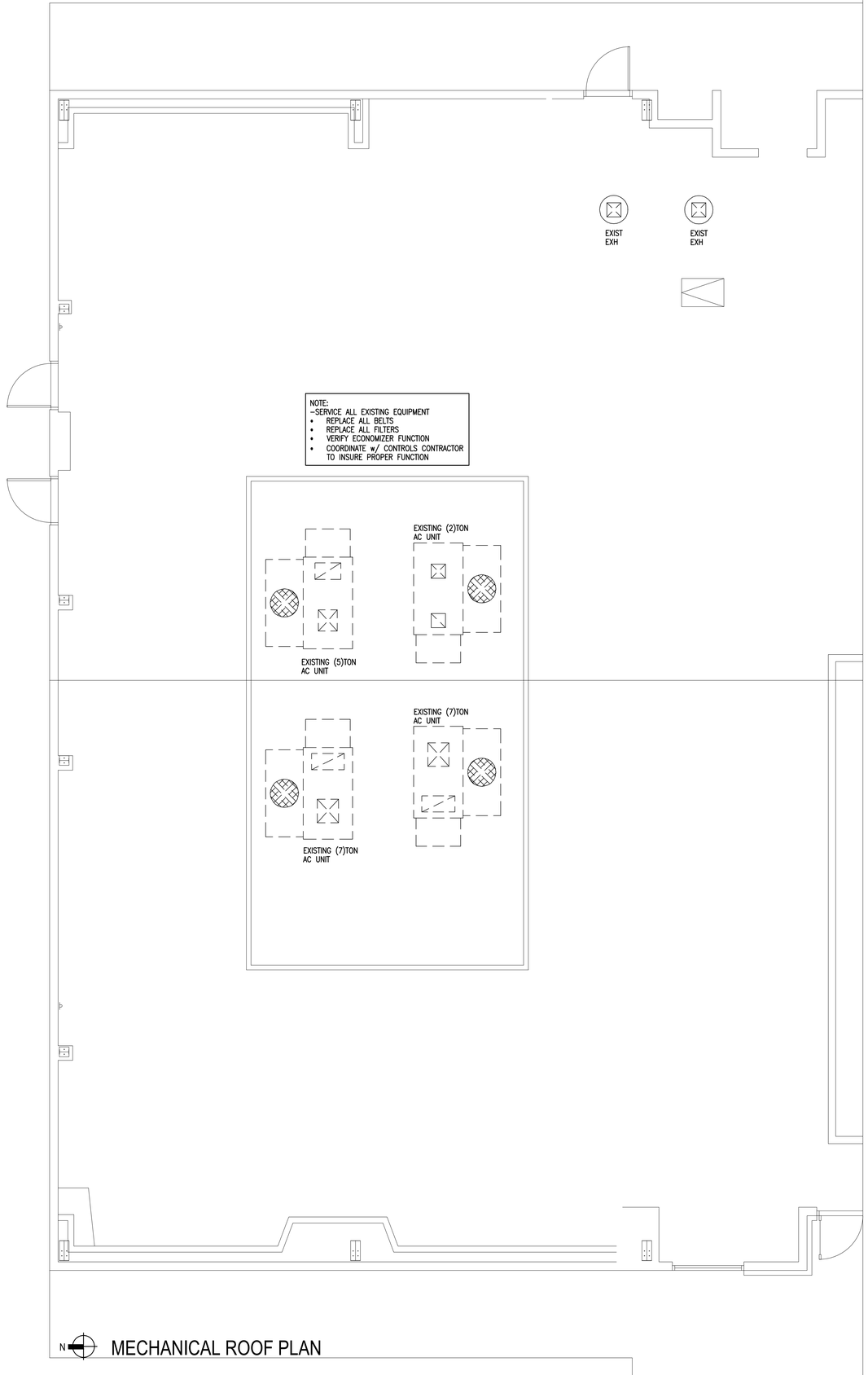

N MECHANICAL ROOF PLAN

1/4"

PDA INCORPORATED ARCHITECTS

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MECHANICAL NOTES

1. ALL GRILLES TO BE TITUS MCD SERIES AND EGG CRATE FOR RETURN
2. ALL DUCT WORK TO BE METAL – FLEX PERMITTED LAST 5FT
3. SEAL ALL JOINTS W/ HIGH PRESSURE DUCT SEALANT
4. INSULATE ALL DUCT WORK w/ 3" FOIL FACE FIBERGLAS
5. LINING MATERIALS INSTALLED WITHIN DUCTS TO HAVE MOLD, HUMIDITY AND EROSION RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF CMC STD6–1, CMC 604.2
6. ALL FACTORY MAD AIR DUCTS SHALL BE CLASS 1 OR CLASS 0
7. INSULATION MATERIALS APPLIED TO THE EXTERIOR OF DUCTS LOCATED IN THE BUILDING TO HAVE A FLAME SPREAD OF NOT MORE THAN 25 & SMOKE DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION
8. DUCTWORK TO BE SUPPORTED PER THE REQUIREMENTS OF UMC TABLE 6–E AND SHALL BE BRACED AND GUYED TO PREVENT LATERAL OR HORIZONTAL SWING. THE SMACNA SEISMIC LATERAL OR HORIZONTAL RESTRAINT GUIDELINES IS ALSO APPLICABLE
9. PROVIDE PERMANENT AND UNIQUE IDENTIFICATION FOR ALL EQUIPMENT SERVING DIFFERENT AREAS OF THE BUILDING TO INCLUDE AREA SERVED.
10. ALL HVAC UNITS SHALL BE EQUIPPED WITH MERV 8 FILTERS – CHANGE OUT RECOMMENDATIONS SHALL BE INCLUDED IN OPERATIONS MANUAL.
11. AT TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATION EQUIP–MENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WIT TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING OGENCY TO REDUCE THE AMOUNT OF DUST WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
12. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION
13. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER–PROOFED.
14. COORDINATE THE LOCATION OF ALL ROOF OPENINGS AND LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION. PROVIDE THE EQUIPMENT WEIGHT, AND PLATFORM AND CURB SIZES.
15. PLATFORMS, CURBS, AND FLASHINGS FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE.
16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURE'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
17. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MANUFACTURE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
18. CONTROL SCHEMATICS ARE FOR SEQUENCE ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ALL ELECTRICAL DEVICES REQUIRED.
19. ALL AIR CONDITIONING UNIT SUPPLY FANS SHALL BE WIRED FOR CONSTANT BLOWER OPERATIONS.
20. ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT AND LINE VOLTAGE WIRING, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTORS AS INDICATED ON THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF ALL GOVERNING BODIES HAVING JURISDICTION THEREOF.
21. BEFORE BIDDING ON THIS WORK, THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES, EXISTING EQUIPMENT AND SERVICES. HE SHALL DEFINITELY DETERMINE IN ADVANCE, THE METHODS OF INSTALLING AND CONNECTING THE NEW EQUIPMENT WITH ITS ASSOCIATED DUCTWORK, THE MEANS TO BE PROVIDED FOR GETTING THE EQUIPMENT AND MATERIALS INTO PLACE AND SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH ALL OF THE REQUIREMENTS OF THE PROJECT.
22. ALL DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE.
23. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH EFFICIENCY STANDARDS.
24. PROVIDE BACKDRAFT DAMPERS FOR FRESH AIR INTAKES ON ALL UNITS AND EXHAUST FANS SERVING CONDITIONED SPACES.
25. CONTRACTOR TO SUBMIT ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, AND OTHER ACCESSORIES TO THE ARCHITECT FOR APPROVAL PRIOR TO ANY ORDERING OF SUCH ITEMS.
26. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION INCLUDING CBC (CALIFORNIA BUILDING CODE) AND CMC/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE)
27. THE CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
28. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK THIS CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES.
29. THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE THE WORK OF HIS SECTION WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
30. THE INSTALLATION OF ACCESS PANEL OR OTHER INDICATING EQUIPMENT OR SPECIALITIES REQUIRED READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
31. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL.
32. PROVIDE MANUAL VOLUME DAMPERS AT UPSTREAM PORTION OF ALL TERMINAL AIR BRANCHES. THESE SHALL BE OF THE LOCKING QUADRANT TYPE. WHERE LOCATED OVER SLOPPED OR HARD CEILINGS, PROVIDE DURO–DYNE ANGLE GEAR DRIVE OR BOWDEN CABLE CONTROL SYSTEM OR PROVIDE UNITED ENERTECH POWERBALANCE SYSTEM. REMOTE PLATE LOCATIONS TO BE LOCATED AS DETERMINED BY ARCHITECT.
33. WHEN A FIRE ALARM SYSTEM WITH FULL COVERAGE SMOKE DETECTORS ARE PROVIDED, DUCT SMOKE DETECTORS MAY BE ELIMINATED. FIRE ALARM CONTRACTOR SHALL WIRE SMOKE/FIRE DAMPER ACTIVATORS TO AREA DETECTORS.
34. UNLESS OTHERWISE STATED, MAXIMUM LENGTH FOR FLEXIBLE DUCTWORK SHALL NOT EXCEED FIVE FEET (5'–0"). ALUMINUM FLEX DUCTWORK WILL NOT BE ALLOWED ON ANY PORTION OF THE DUCTWORK SYSTEM.
35. ANY SUBSTITUTION MADE BY THE CONTRACTOR THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTAL AS TO ALL THAT IS BEING SUBSTITUTED.
36. ALL MECHANICAL CERTIFICATE OF ACCEPTANCE FORMS AND ALL RELATED ACCEPTANCE DOCUMENTS SHALL BE SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THESE FORMS ARE REVIEWED AND APPROVED.
37. ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 120.3, 120.4 AND 120.7 TITLE 24 ENERGY STANDARDS AND CHAPTER 6 OF CMC.

    INSULATION PROTECTION. PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND. PROTECTION SHALL, AT MINIMUM, INCLUDE THE FOLLOWING:

    1. PIPE INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED BY A COVER SUITABLE FOR OUTDOOR SERVICE. THE COVER SHALL BE WATER RETARDANT AND PROVIDES SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL. ADHESIVE TAPE SHALL NOT BE USED TO PROVIDE THIS PROTECTION.
    2. PIPE INSULATION COVERING CHILLED WATER PIPING AND REFRIGERANT SUCTION PIPING LOCATED OUTSIDE THE CONDITIONED SPACE SHALL INCLUDE, OR BE PROTECTED BY, A CLASS I OR CLASS II VAPOR RETARDER. ALL PENETRATIONS AND JOINTS SHALL BE SEALED.
    3. PIPE INSULATION BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NONCRUSHABLE CASING OR SLEEVE.

    INSULATION THICKNESS

    1. FOR INSULATION WITH A CONDUCTIVITY IN THE RANGE SHOWN IN TABLE 120.3–A FOR THE APPLICABLE FLUID TEMPERATURE RANGE, THE INSULATION SHALL HAVE THE APPLICABLE MINIMUM THICKNESS OR R–VALUE SHOWN IN TABLE 120.3–A.
    2. FOR INSULATION WITH A CONDUCTIVITY OUTSIDE THE RANGE SHOWN IN TABLE 120.3–A FOR THE APPLICABLE FLUID TEMPERATURE RANGE, THE INSULATION SHALL HAVE A MINIMUM R–VALUE SHOWN IN TABLE 120.3–A OR THICKNESS AS CALCULATED:
38. ALL HVAC SYSTEM SHALL MEET THE CONTROL REQUIREMENTS PER SECTION 110.2 AND 120.2 E.E.S.
39. ALL HVAC SYSTEM SHALL MEET THE CONTROL REQUIREMENTS PER SECTION 110.1–110.3, 110.5, 120.1–120.4 TITLE 24 ENERGY STANDARDS.
40. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH CAL GREEN SECTIONS 5.558.1.1 AND 5.508.12 HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC'S AND SHALL NOT CONTAIN HALONS. (CAL GREEN SECTION 5.508.1)
41. IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE–CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE THE SYSTEM IN ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING ADJUSTING & BALANCING BUREAU NATIONAL STANDARDS (NEBB).
42. PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED O&M INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM. O&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA REQUIREMENTS IN CCR, TITLE 8, SECTION 5142, AND OTHER RELATED REGULATIONS.

GENERAL NOTES:

LAYOUT OF DUCTWORK IS GENERALLY DIAGRAMMATIC UNLESS DIMENSIONED. THE ACTUAL LOCATION AND ROUTING OF MECHANICAL EQUIPMENT, DUCTWORK OR PIPING SHALL BE CAREFULLY PLANNED IN AN EFFORT TO AVOID INTERFERENCES WITH STRUCTURAL, ARCH ELECTRICAL OR OTHER ELEMENTS PRIOR TO START OF ANY WORK.

IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES THAT MAY BE REQUIRED. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING , MECHANICAL ELECTRICAL, PLUMBING, ARCHITECTURAL, STRUCTURAL DRAWINGS AND ANY FIELD CONDITIONS THAT COULD AFFECT THE INSTALLATION OF THE MECHANICAL SYSTEM, THE CONTRACTOR MAY CHANGE THE DUCT SHAPE WHERE DUCTS CROSS IN AREAS OF LIMITED SPACE PROVIDED THE CROSS SECTIONAL AREA OF THE DUCT IS NOT CHANGED.

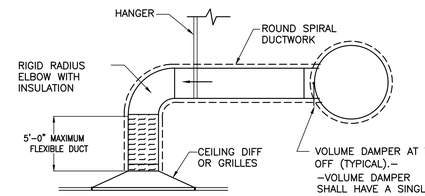
DUCT SIZING

(CHAPTER 6 C.M.C.)

0–90 CFM	600 FPM	.08 LOSS PER 100FT	6" DIAMETER
90–200 CFM	*600 FPM*	*.08 LOSS PER 100FT*	*8" DIAMETER*
200–375 CFM	*700 FPM*	*.08 LOSS PER 100FT*	*10" DIAMETER*
375–600 CFM	*800 FPM*	*.08 LOSS PER 100FT*	*12" DIAMETER*
600–900 CFM	*875 FPM*	*.08 LOSS PER 100FT*	*14" DIAMETER*
900–1200 CFM	*900 FPM*	*.08 LOSS PER 100FT*	*16" DIAMETER*
1200–1600 CFM	*900 FPM*	*.08 LOSS PER 100FT*	*18" DIAMETER*
1600–2000 CFM	*900 FPM*	*.08 LOSS PER 100FT*	*20" DIAMETER*
2000–2400 CFM	*900 FPM*	*.08 LOSS PER 100FT*	*22" DIAMETER*

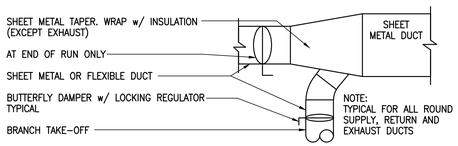
CEILING LEGEND

MARK	TYPE	MTG	STYLE	MFGR
SD–1	*SUPPLY*	*"T"BAR*	*MODULAR CORE*	*TITUS*
SD–2	*SUPPLY*	*PLASTER*	*MODULAR CORE*	*TITUS*
RG–1	*RETURN*	*"T"BAR*	*EGG CRATE*	*TITUS*
RG–2	*RETURN*	*PLASTER*	*EGG CRATE*	*TITUS*
EG–1	*EXHAUST*	*"T"BAR*	*EGG CRATE*	*TITUS*
EG–2	*EXHAUST*	*PLASTER*	*EGG CRATE*	*TITUS*



NOTE: TOP OF DIFF AND BOTTOM OF RIGID ELBOW SHALL BE ALIGNED, NOT TO EXCEED 12" HORIZONTAL OFFSET.

SUPPLY FLEXIBLE DUCTWORK



BRANCH DUCT

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KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — EST. 1893

DISTRICT OFFICE REMODEL

5801 SUNDALE AVE
BAKERSFIELD, CA

DATE	ISSUED FOR
7–29–24	OWNER/DESIGN REVIEW
11–18–24	
NO.	REVISIONS
△	
△	
△	
△	

FLOOR PLAN

FILE NAME: 4143CDS

SHEET
M-3.0

ELECTRICAL NOTES

1. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE EXACT ROUTING REQUIRED. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF INSTALLATION.

2. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY-RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF INSTALLATION.

3. DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT DEVICE LOCATIONS SHALL BE AS INDICATED ON THE ARCHITECTURAL PLANS OR AS DIMENSIONED. IF NOT SHOWN ON THE ARCHITECTURAL PLANS OR DIMENSIONED ON THE ELECTRICAL PLANS, VERIFY EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.

4. ALL WIRE COUNTS ARE TYPICALLY NOT SHOWN BETWEEN LIGHT FIXTURES OR RECEPTACLES. PROVIDE ALL REQUIRED EVEN WHERE NOT SHOWN.

5. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, CIRCUITS SHALL CONSIST OF #12 PHASE AND GROUNDED (NEUTRAL CONDUCTORS) AND A #12 CU GROUND IN 3/4" CONDUIT.

6. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD.

7. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL, PLUMBING AND GENERAL CONTRACTORS, PRIOR TO ORDERING OR INSTALLATION OF ANY EQUIPMENT, MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS ARE PROVIDED IN THE ELECTRICAL DESIGN. THE CONTRACTOR WILL NOT BE COMPENSATED FOR COSTS ASSOCIATED WITH CHANGING THE ELECTRICAL SYSTEMS TO MATCH UTILIZATION EQUIPMENT, EVEN IF THE ELECTRICAL WORK IS INSTALLED PER THE ELECTRICAL DRAWINGS.

8. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL PLANS, PRIOR TO BID, AND DETERMINE THE LOCATION OF SMOKE OR FIRE/SMOKE DAMPERS, IF ANY. UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS, EACH SMOKE OR FIRE/SMOKE DAMPER SHALL BE CONNECTED TO THE NEAREST RECEPTACLE CIRCUIT, NOT TO EXCEED THREE (3) DAMPERS ADDED TO ANY CIRCUIT. INCLUDE IN THE BASE BID BID ONE (1) DUCT SMOKE DETECTOR PER SMOKE OR FIRE/SMOKE DAMPER SHOWN ON THE MECHANICAL PLANS.

9. UNLESS NOTED OTHERWISE, EACH DAMPER DUCT SMOKE DETECTOR SHALL BE RATED 24VAC AND SHALL BE CONNECTED TO THE FIRE ALARM PANEL (IF ANY) ON A SEPARATE ZONE.

10. SMOKE OR FIRE/SMOKE DAMPERS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM (IF ANY) AND SHALL BE CONTROLLED BY THE FIRE ALARM CONTROL PANEL (IF ANY).

11. COORDINATION OF OVERCURRENT PROTECTIVE DEVICES SHALL BE BY ELECTRICAL CONTRACTOR INCLUDING SETTINGS OF CIRCUIT BREAKERS.

12 SOME CONDUCTOR SIZES ARE BASED ON THE USE OF 75 DEGREE C CONDUCTOR RATINGS. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR CONDUIT FEEDING ANY EQUIPMENT, THAT ALL ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75 DEGREE C WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C CONDUCTORS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR EVALUATION/CORRECTION.

13. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. COMPONENTS NOT SHOWN, BUT REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE PROJECT.

14. THE CONTRACTOR SHALL PERFORM ALL ACCEPTANCE TESTS REQUIRED OR RECOMMENDED BY EQUIPMENT MANUFACTURERS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT SEVEN (7) DAYS PRIOR TO TESTING AND SHALL ALLOW OBSERVATION OF THE TESTING BY THE ENGINEER.

15. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF A SINK SHALL BE GFCI PROTECTED.

16. UNLESS OTHERWISE NOTED, ALL EQUIPMENT DISCONNECTS SHALL BE NEMA TYPE 3R, FUSIBLE, 30A, 3 POLE. FUSE PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.

17. DEVICE BOXES SHOWN BACK-TO-BACK SHALL BE OFFSET A MINIMUM OF TWELVE (12) INCHES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.

18. ALL 15- AND 20-AMPERE. 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES IN THE AREAS SPECIFIED IN 406.12(1) THROUGH (7) SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
    (1) DWELLING UNITS IN ALL AREAS SPECIFIED IN 210.52 AND 550.13
    (2) GUEST ROOMS AND GUEST SUITES OF HOTELS AND MOTELS
    (3) CHILD CARE FACILITIES
    (4) PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES
    (5) BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE IN CLINICS, MEDICAL AND DENTAL OFFICES AND OUTPATIENT FACILITIES
    (6) SUBSET OF ASSEMBLY OCCUPANCIES DESCRIBED IN 518.2 TO INCLUDE PLACES OF WAITING TRANSPORTATION. GYMNASIUMS. SKATING RINKS, AND AUDITORIUMS
    (7) DORMITORIES

19. PRIOR TO TRENCHING IN ANY AREA, THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA, CABLE TV, GAS, AND WATER UTILITY PROVIDERS (BLUE STAKE) AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY ANY OBSTACLES IN THE PATH OF TRENCHING (PRIOR TO COMMENCING WORK). DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.

20. LIGHT FIXTURES IN SUSPENDED CEILINGS SHALL BE INSTALLED IN COMPLIANCE WITH BUILDING CODE & 2010 CEC. REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
    a. LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM.
    b. INSTALL (OR VERIFY THE EXISTENCE OF) A #12 GAGE HANGER WIRE WITHIN 3" OF EACH CORNER OF THE LIGHT FIXTURE.
    c. PENDANT-HUNG FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH (2) #9 GAGE WIRES OR OTHER APPROVED SUPPORT METHOD WHICH DOES NOT DEPEND ON THE CEILING SUPPORT SYSTEM.

21. LIGHT FIXTURES MOUNTED IN CEILINGS WHICH FORM AN AIR-HANDLING SPACE (PLENUM) SHALL BE SPECIFICALLY LISTED FOR SUCH INSTALLATION.

22. LIGHT FIXTURES MOUNTED IN FIRE-RATED CEILINGS SHALL BE SPECIFICALLY LISTED TO MAINTAIN THE FIRE RATING.

23. WHERE THE PLANS INDICATE A LIGHT FIXTURE IS TO BE PROVIDED WITH SPECIAL FEATURES/SWITCHING (DIMMING, EMERGENCY, THREE-LEVEL, ETC) THE CONTRACTOR SHALL PROVIDE THESE FIXTURES WITH THE APPROPRIATE BALLASTING TO ACCOMMODATE THE SPECIAL FEATURE. THE CONTRACTOR SHALL PROVIDE THE FIXTURES AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE, WITH MODIFICATIONS AS REQUIRED BY PLAN NOTES.

24. WHERE A MANUAL MOTOR STARTER IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL VERIFY THE DEVICE PROVIDED IS LABELED "SUITABLE AS MOTOR DISCONNECT".

25. WHERE A COMBINATION CONTROLLER IS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL VERIFY THE DEVICE PROVIDED IS LABELED "SUITABLE AS MOTOR DISCONNECT" AND IS LISTED AS A BRANCH CIRCUIT OVERLOAD AND SHORT-CIRCUIT PROTECTIVE DEVICE.

26. UTILITY COORDINATION
    a. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF DRAWINGS TO ELECTRICAL AND TELCO UTILITIES WITHIN ONE WEEK OF NOTICE TO PROCEED.
    b. THE CONTRACTOR SHALL NOT TRENCH OR INSTALL CONDUITS (ON THE UTILITY OR LOAD SIDE) TO THE SES TO THE UTILITY TRANSFORMER (PRIMARY OR SECONDARY), OR TO THE UTILITY CONNECTION POINT BEFORE RECEIVING A FINAL DESIGN FROM THE UTILITY.
    c. THE CONTRACTOR SHALL NOT INSTALL EQUIPMENT PADS FOR THE SES OR ANY UTILITY EQUIPMENT (TRANSFORMERS, SWITCHING CABINETS, ETC) PRIOR TO RECEIPT OF FINAL PLANS FROM THE UTILITY.
    d. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR ADDITIONAL WORK REQUIRED TO MEET THE REQUIREMENTS OF THE UTILITY WHICH IS THE RESULT OF PROCEEDING PRIOR TO RECEIPT OF A FINAL UTILITY DESIGN.

27. HOMERUNS SHALL NOT BE GANGED TOGETHER UNLESS SHOWN GANGED.

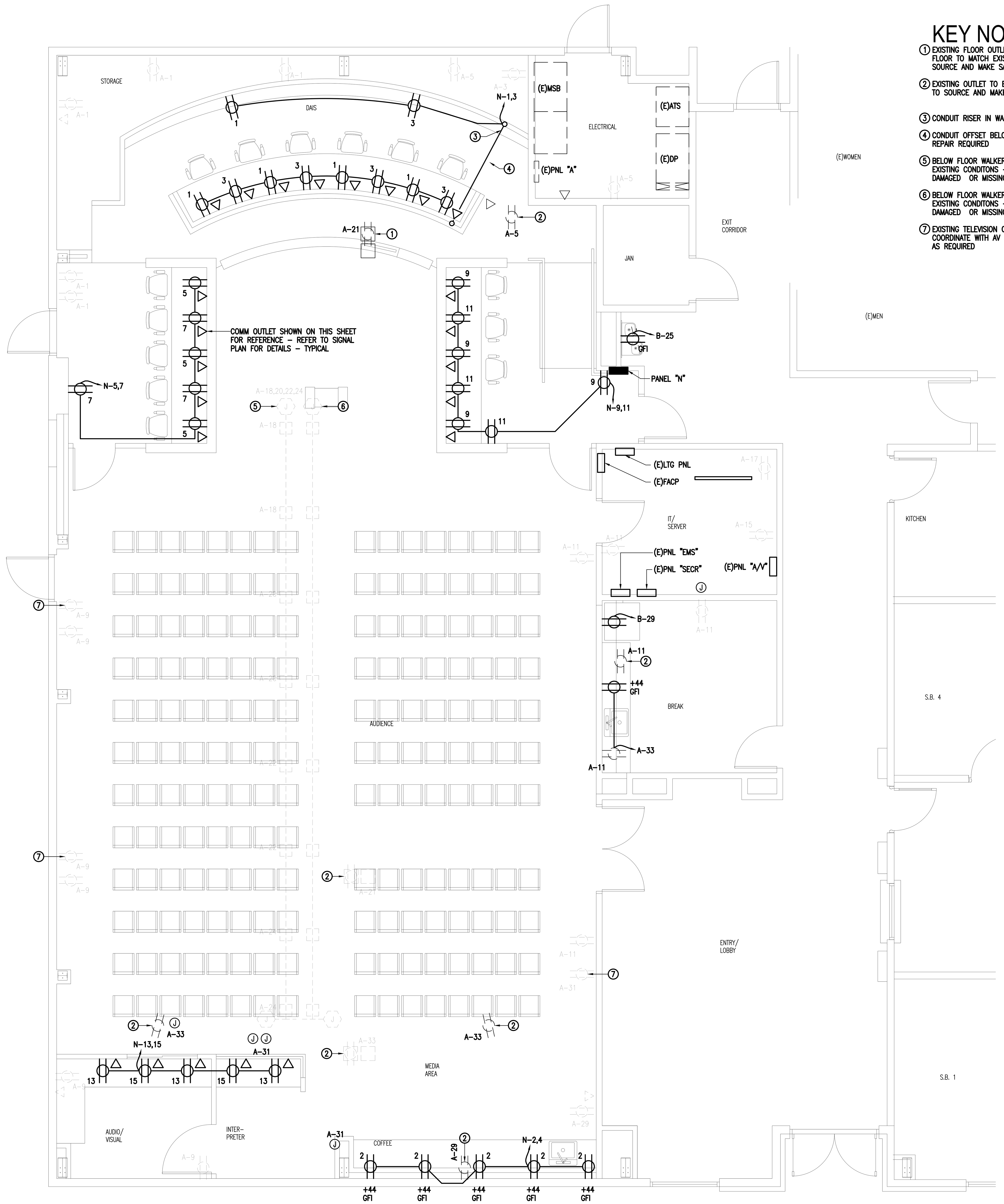
28. CONTRACTOR SHALL CONTACT ARCHITECT IN WRITING (RFI) PRIOR TO PROCEEDING WITH ANY WORK NOT CLEARLY SHOWN ON THESE CONTRACT DOCUMENTS. ARCHITECT WILL NOT ACCEPT ANY RESPONSIBILITY FOR WORK HE HAS NOT EXPLICITLY AUTHORIZED.

29. PER 2010 CEC, PROVIDE IDENTIFICATION AT THE DISTRIBUTION PANEL FOR BRANCH CIRCUITS THAT FEED UNIT EQUIPMENT. PROVIDE ENGRAVED NAMEPLATES AND ATTACH TO PANEL WITH STAINLESS SCREWS.

30. PER 2010 CEC. ELECTRICAL EQUIPMENT THAT IS LIKELY TO REQUIRE MAINTENANCE WHILE ENERGIZED SHALL BE PROPERLY MARKED TO WARN PERSONNEL OF ARC FLASH HAZARD.

31. IN EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND A NOTE ON THE DRAWINGS, THE DRAWING NOTES SHALL SUPERSEDE THE SPECIFICATIONS.

32. ALL 15- AND 20-AMPERE. 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES IN THE AREAS SPECIFIED IN 406.12(1) THROUGH (7) SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
    (1) DWELLING UNITS IN ALL AREAS SPECIFIED IN 210.52 AND 550.13
    (2) GUEST ROOMS AND GUEST SUITES OF HOTELS AND MOTELS
    (3) CHILD CARE FACILITIES
    (4) PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES
    (5) BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE IN CLINICS, MEDICAL AND DENTAL OFFICES AND OUTPATIENT FACILITIES
    (6) SUBSET OF ASSEMBLY OCCUPANCIES DESCRIBED IN 518.2 TO INCLUDE PLACES OF WAITING TRANSPORTATION. GYMNASIUMS. SKATING RINKS, AND AUDITORIUMS
    (7) DORMITORIES



POWER PLAN

1/4"

KEY NOTES:

① EXISTING FLOOR OUTLET TO BE REMOVED – PATCH FLOOR TO MATCH EXISTING – PULL WIRE BACK TO SOURCE AND MAKE SAFE

② EXISTING OUTLET TO BE REMOVED – PULL WIRE BACK TO SOURCE AND MAKE SAFE

③ CONDUIT RISER IN WALL TO CLEAR ATTIC

④ CONDUIT OFFSET BELOW FLOOR – SAW CUT PATCH AND REPAIR REQUIRED

⑤ BELOW FLOOR WALKER DUCT – POWER – VERIFY EXISTING CONDITONS – REPLACE AND BROKEN / DAMAGED OR MISSING COVER PLATES OR OUTLETS

⑥ BELOW FLOOR WALKER DUCT – COMM / DATA – VERIFY EXISTING CONDITONS – REPLACE AND BROKEN / DAMAGED OR MISSING COVER PLATES OR OUTLETS

⑦ EXISTING TELEVISION OUTLET MOUNTED AT +84"AFF – COORDINATE WITH AV CONTRACTOR – ADJUST PLACEMENT AS REQUIRED

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NOTICE TO CONTRACTORS
Written dimensions on these drawings shall take precedence over scaled dimensions. Contractor shall verify and be responsible for confirming all dimensions and shall notify the architect immediately of any discrepancies or field variations discovered.

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

DISTRICT OFFICE REMODEL

5801 SUNDALE AVE
BAKERSFIELD, CA

DATE	ISSUED FOR
7-29-24	OWNER/DESIGN REVIEW
11-18-24	

NO.	REVISIONS
1	
2	
3	
4	

ELECTRICAL

FILE NAME: 4143CDS

SHEET
E-1.0

LIGHTING PLAN

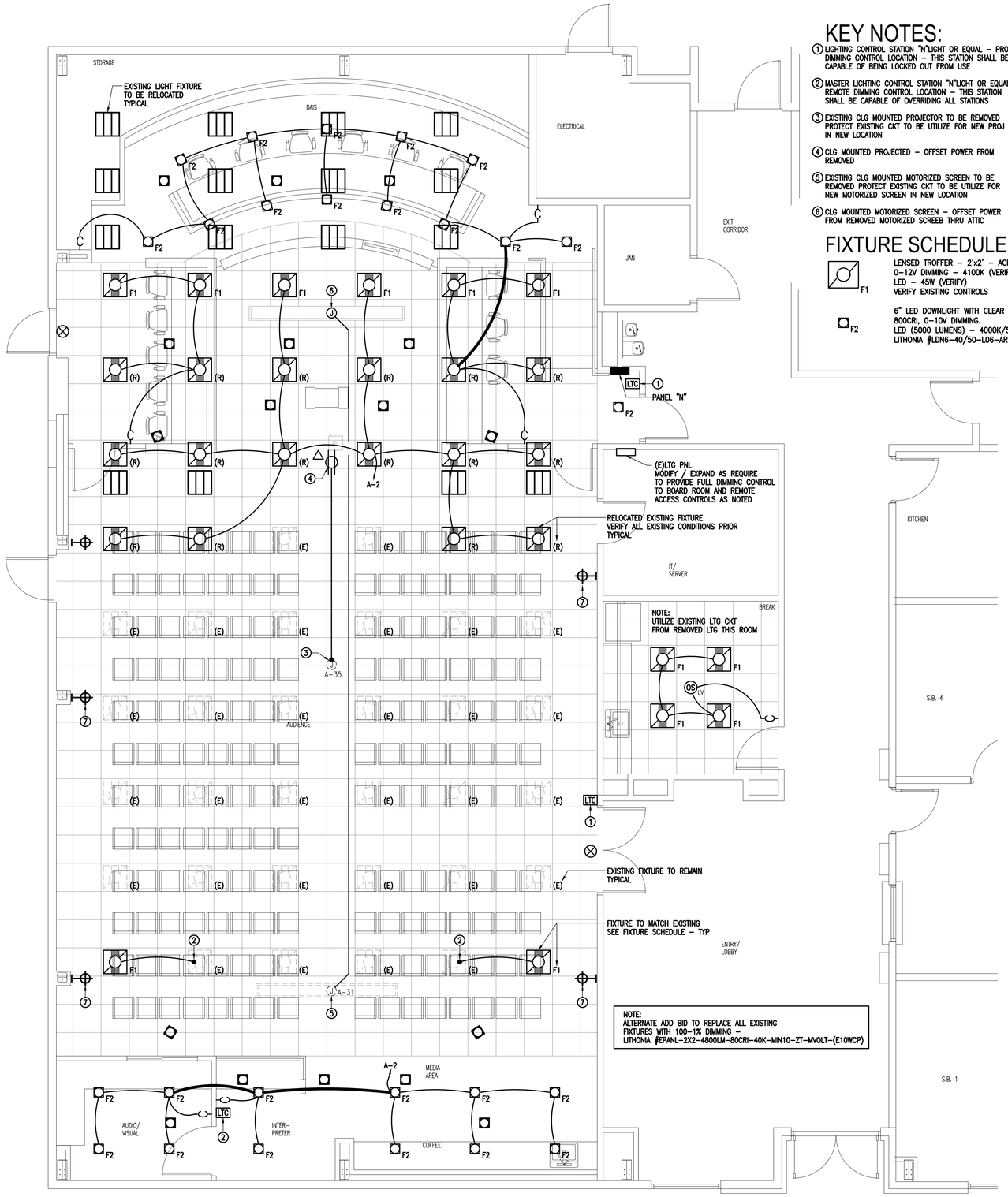
1. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELEVATION OF ALL LIGHTING FIXTURES AND ALL DEVICES. ALL WALL-MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. VERIFY EXACT CEILING CONSTRUCTION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND PROVIDE LIGHTING FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE.
3. ALL RECESSED FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED STRUCTURAL SUPPORTS AS REQUIRED BY THE CURRENTLY ADOPTED ISSUE OF THE IBC, OR CBC WHERE ADOPTED, IN ADDITION TO ANY LOCAL CODES.
4. ALL COVE MOUNTED FIXTURES SHALL EXTEND THE FULL LENGTH OF THE COVE. CONTRACTOR TO FIELD MEASURE COVE LENGTH AND ORDER QUANTITY OF FIXTURES AS REQUIRED.
5. ALL DIMMING BRANCH CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH ZONE/CHANNEL.
6. ALL EMERGENCY BATTERY PACK FIXTURES SHALL BE PROVIDED WITH A CONSTANT HOT CONNECTION TO THE CHARGING LEAD. SEE GENERAL LIGHTING FIXTURE SCHEDULE NOTES FOR MORE INFORMATION.
7. WHEN EXPOSED CEILINGS OR OPEN GRID CONDITIONS OCCUR, THE CONTRACTOR WILL NEED TO PROVIDE THE FOLLOWING ITEMS:
   - ALL BRANCH CIRCUITS SHALL BE IN EMT.
   - ALL BRANCH CIRCUITS SHALL BE ROUTED NEATLY TRAINED AND IN PARALLEL TO STRUCTURES OR DUCT WORK. THE TERM "TRAINED" MEANS ALL PARALLEL CONDUITS SHALL MAINTAIN THE SAME SPATIAL RELATIONSHIP WITH EACH OTHER FOR ENTIRE RUN TO INCLUDE RADIUS BENDS AND SWEEPS.
8. VISIBILITY OBJECTIONABLE BRANCH CIRCUITS WILL BE REROUTED AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST.
9. ALL LED REMOTE INDICATORS FOR DUCT DETECTORS AND FIRE\SMOKE DAMPERS REQUIRED BY THE LOCAL AHJ SHALL BE LOCATED IN CEILINGS IN COORDINATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
10. RECESSED FIXTURES LOCATED IN A FIRE-RATED CEILING OR WALL SHALL BE PROVIDED WITH A 5-SIDED RATED ENCLOSURE SO CONSTRUCTED AS TO ALLOW CODE AND MANUFACTURER-REQUIRED CLEARANCES BETWEEN THE FIXTURE AND THE ENCLOSURE.

LIGHTING CONTROL

CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING SYSTEM PROGRAMING REQUIRES TRAINING BY MFGR REPRESENTATIVE AND PURCHASE OF CONFIGURATION TOOL

ELECTRICAL CONTRACTOR SHALL HIRE OWNER'S CALCTP-ATT CERTIFIED LIGHTING CONTROLS AT TECHNICIAN CONSULTANT

CONTRACTOR SHALL HIRE CONSULTANT PRIOR TO MATERIAL BEING ORDERED. CONSULTANT TO REVIEW PLANS FOR CONSISTENCY WITH CERTIFICATION REQUIREMENTS PRIOR



N LIGHTING PLAN 1/4"

KEY NOTES:

1. LIGHTING CONTROL STATION "N"LIGHT OR EQUAL - PROGRAMMABLE REMOTE DIMMING CONTROL LOCATION - THIS STATION SHALL BE CAPABLE OF BEING LOCKED OUT FROM USE
2. MASTER LIGHTING CONTROL STATION "N"LIGHT OR EQUAL - PROGRAMMABLE REMOTE DIMMING CONTROL LOCATION - THIS STATION SHALL BE CAPABLE OF OVERRIDING ALL STATIONS
3. EXISTING CLG MOUNTED PROJECTOR TO BE REMOVED PROTECT EXISTING CKT TO BE UTILIZE FOR NEW PROJ IN NEW LOCATION
4. CLG MOUNTED PROJECTED - OFFSET POWER FROM REMOVED
5. EXISTING CLG MOUNTED MOTORIZED SCREEN TO BE REMOVED PROTECT EXISTING CKT TO BE UTILIZE FOR NEW MOTORIZED SCREEN IN NEW LOCATION
6. CLG MOUNTED MOTORIZED SCREEN - OFFSET POWER FROM REMOVED MOTORIZED SCREEB THRU ATTIC

FIXTURE SCHEDULE

F1 — LENSED TROFFER - 2'x2' - ACRYLIC PRISMATIC LENS
0-12V DIMMING - 4100K (VERIFY)
LED - 45W (VERIFY)
VERIFY EXISTING CONTROLS

F2 — 6" LED DOWNLIGHT WITH CLEAR SPECULAR REFLECTOR, 80CRI, 0-10V DIMMING, LED (5000 LUMENS) - 4000K/57.7W
LITHONIA #LDN6-40/50-L06-AR-LSS-MVOLT-GZ10-(E10WCP)

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KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — EST. 1930

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COMMUNICATIONS PATHWAYS NOTES

1. CONDUITS SHALL, (a) CONTAIN NO CONTINUOUS SECTIONS LONGER THAN 30M (90 FT.) AND (b) CONTAIN NO MORE THAN (2) 90° BENDS OR (1) REVERSE BEND WITHOUT INSTALLING A PULLBOX. SPLIT CONDUITS IN PLACE OF PULLBOXES ARE UNACCEPTABLE.
2. CONDUITS SHALL CONTAIN PLASTIC OR NYLON PULL TYPE RATED AT 200 LBS. WITH A MINIMUM OF 5 FEET OF EXTRA PULL TAPE COILED AT EACH END.
3. CONDUIT BEND RADIUS SHALL BE (a) A MINIMUM OF 6 TIMES THE INTERNAL CONDUIT DIAMETER FOR CONDUITS 2" IN DIAMETER OR LESS, AND, (b) 10 TIMES THE INTERNAL CONDUIT DIAMETER FOR CONDUITS MORE THAN 2" IN DIAMETER.
4. TERMINATE CONDUIT STUBS AND SLEEVES THAT PROTRUDE THROUGH STRUCTURAL FLOORS 2"–3" ABOVE THE FLOOR SURFACE.
5. INSTALL BUSHINGS OR BELL ENDS AS REQUIRED ON ALL CONDUITS.
6. FLEX CONDUIT IS UNACCEPTABLE FOR USE AS A COMMUNICATIONS CONDUIT EXCEPT AT SEISMIC JOINTS AND/OR IF APPROVED IN WRITING BY THE ARCHITECT.
7. ALL UNDER SLAB OR IN–SLAB CONDUITS SHALL BE INSTALLED IN A MANNER THAT PREVENTS WATER INFILTRATION OF THE CONDUIT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GROUND WATER, RAIN WATER OR CONSTRUCTION WATER IS PREVENTED FROM ENTERING AND/OR REMOVED FROM THE CONDUITS PRIOR TO PLACEMENT OF COMMUNICATIONS CABLES.
8. ALL PULLBOXES SHALL BE SIZED AND INSTALLED PRE ANSI–TIA–569–C. PULLBOXES FOR IN/UNDER SLAB CONDUIT RUNS ARE NOT PERMITTED UNLESS OTHERWISE NOTED. PULLBOXES FOR OVERHEAD CONDUIT RUNS SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS WITH THE ACCESSIBLE CEILING SPACE AND SUPPORTED INDEPENDENTLY FROM THE STRUCTURE AND CONDUIT SUPPORTS. PULLBOXES FOR ROOF MOUNTED OR EXTERIOR ABOVE GRADE APPLICATIONS SHALL BE NEMA 3R RATED. PULLBOXES SHALL BE SIZED ACCORDING TO THE FOLLOWING:

CONDUIT SIZE	WIDTH	LENGTH	DEPTH	WIDTH INCREASE PER ADDITIONAL CONDUIT
1"	4"	16"	3"	2"
2"	8"	36"	4"	5"
3"	12"	48"	5"	6"
4"	15"	60"	8"	8"

FOR ADDITIONAL SIZES REFER TO ANSI/TIA–569–C TABLE 12.LATEST PUBLISHED EDITION.

9. CONDUIT(S) SHALL EXIT A PULLBOX ON THE WALL OPPOSITE THE WALL ENTERED.
10. PROVIDE LABELING OF EACH CONDUIT PER GENERAL ELECTRICAL SPECIFICATIONS.
11. PROVIDE INTERNAL/EXTERNAL GAS AND WATER TIGHT MECHANICAL SEALING/PLUGGING OF EACH BUILDING ENTRY CONDUIT AS SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS.

GENERAL REQUIREMENTS

CONTRACTOR WILL BE REQUIRED TO PROVIDE APPLICABLE STATE LICENSE FOR THE SCOPE OF CONTRACTOR DESCRIBED HEREIN. THE CONTRACTOR'S QUOTE SHALL INCLUDE A WARRANTY FOR ALL WORK TO BE PERFORMED FOR LESS THAN 12 MONTHS FROM THE DATE OF COMPLETION.

CLEAN UP WORK WILL BE PERFORMED DAILY AND WILL BE REQUIRED IN ONE AREA BEFORE MOVING TO ANOTHER AREA TO PERFORM WORK.

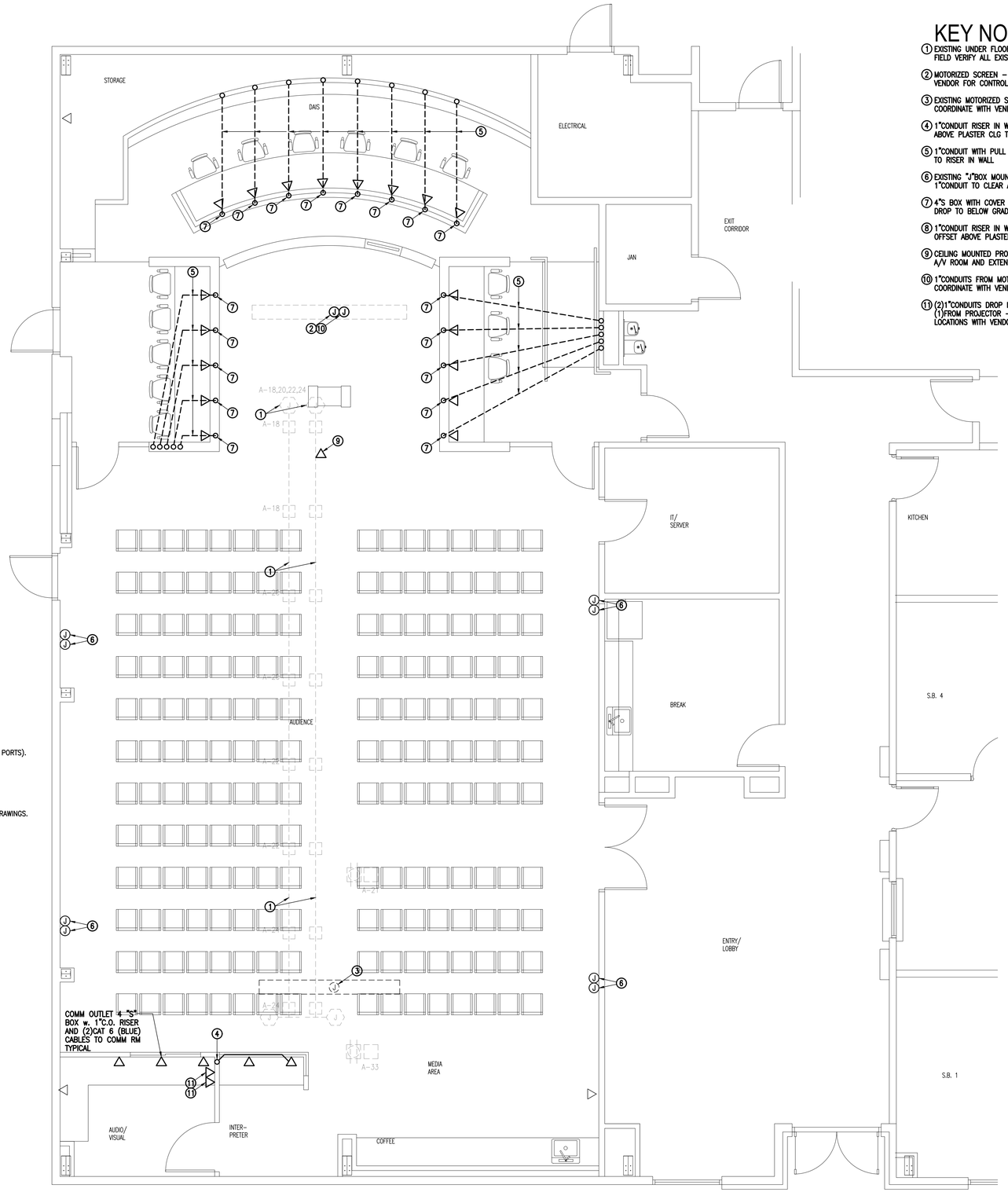
THE INSTALLATION SCHEDULE PERTAINING TO THIS BID PACKAGE MUST BE ADHERED TO BY THE CONTRACTOR OR LIQUIDATED DAMAGE WILL BE ASSESSED BY THE OWNER IN THE AMOUNT LISTED IN THE AGREEMENT. NO EXTENSION OF TIME WILL BE GRANTED UNLESS WRITTEN CONSENT FROM THE OWNER IS GIVEN.

BUILDING WILL BE AVAILABLE TO THE CONTRACTOR DURING REGULAR BUSINESS HOURS FOR INVESTIGATION AND PREP WORK. CONTRACTOR'S PRICE WILL INCLUDE INSTALLATION, CUTOVER AND TESTING OF EQUIPMENT AFTER 4:00PM AND BEFORE 7:00AM OF THE NEXT BUSINESS DAY.

INCLUDED IN THE CONTRACTOR'S SCOPE

THE FOLLOWING ITEMS ARE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT:

1. NEW CATEGORY 6 CABLES TO EACH DESIGNATED LOCATION FROM EQUIPMENT CABINETS/RACKS.
2. PATCH CABLES SHALL BE PROVIDED WITH EACH CAT 6 CABLE OUTLETS INSTALLED (PROVIDE 24 SPARE PORTS).
3. ALL NECESSARY SITE CONDUIT AND PATHWAY SYSTEMS, INCLUDING; TRENCHING, CONDUIT, AND/OR PULL BOXES, STUBS, J–HOOKS, SURFACE MOUNT RACEWAY, AND SURFACE MOUNT BOXES REQUIRED FOR THE NEW CABLE.
4. PROVIDE ALL FIBER AND COPPER PATCH CORDS, AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
5. PROVIDE TESTING, LABELING, AND WARRANTIES AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
6. PROVIDE PERMANENT LABELS ON FACEPLATE AND IN DATA ROOM FOR EACH CABLE CONSISTENT WITH DRAWINGS.



KEY NOTES:

1. EXISTING UNDER FLOOR RACEWAY TO REMAIN FIELD VERIFY ALL EXISTING CONDITIONS
2. MOTORIZED SCREEN – COORDINATE WITH VENDOR FOR CONTROL REQUIREMENTS
3. EXISTING MOTORIZED SCREEN TO BE REMOVED COORDINATE WITH VENDOR
4. 1"CONDUIT RISER IN WALL TO ATTIC – OFFSET ABOVE PLASTER CLG TO "T"BAR
5. 1"CONDUIT WITH PULL ROPE OFFSET BELOW FLOOR TO RISER IN WALL
6. EXISTING "J"BOX MOUNTED AT +84"AFF & +12" WITH 1"CONDUIT TO CLEAR ATTIC – VERIFY EXISTING COND
7. 4"S BOX WITH COVER – 1"CONDUIT WITH PULL ROPE DROP TO BELOW GRADE
8. 1"CONDUIT RISER IN WALL FROM BELOW GRADE – OFFSET ABOVE PLASTER CLG TO "T"BAR CLG
9. CEILING MOUNTED PROJECTOR – EXTEND 1"CO TO A/V ROOM AND EXTEND 1"CONDUIT TO "IT"/SERVER RM
10. 1"CONDUITS FROM MOTORIZED SCREEN CONTROL COORDINATE WITH VENDOR
11. (2)1"CONDUITS DROP IN WALL – (1)FROM SCREEN (1)FROM PROJECTOR – COORDINATE STUB OUT LOCATIONS WITH VENDOR / END USER

N SIGNAL PLAN 1/4"

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EXISTING PANEL A

BUS 225 3PH 4W — VOLTS 120/208V — MFR. MATCH EXISTING — AIC RATING SERIES — MAIN AMPS MLO

DESCRIPTION	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	BKR. AMP	BKR. P	WIRE AWG	BUS CONNECTION	BUS CONNECTION	WIRE AWG	BKR. P	BKR. AMP	OUTLETS MISC	OUTLETS REC	OUTLETS LTG	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	DESCRIPTION
(E)RECEPTACLES	900			·	·	·	20	1	12	1	2	12	1	20	·	·	·	826			(E)LIGHTS
(E)RECEPTACLES		800		·	·	·	20	1	12	3	4	12	1	20	·	·	·		1266		(E)LIGHTS
(E)RECEPTACLES			1000	·	·	·	20	1	12	5	6	12	1	20	·	·	·			1152	(E)LIGHTS
(E)RECEPTACLES	900			·	·	·	20	1	12	7	8	12	1	20	·	·	·	462			(E)LIGHTS
(E)RECEPTACLES		1000		·	·	·	20	1	12	9	10	12	1	20	·	·	·		806		(E)LIGHTS
(E)RECEPTACLES			1200	·	·	·	20	1	12	11	12	12	1	20	·	·	·			1296	(E)LIGHTS
(E)FACO CTL POWER	180			·	·	·	20	1	12	13	14	12	1	20	·	·	·	1296			(E)LIGHTS
(E)RECEPTACLES		180		·	·	·	20	1	12	15	16	12	1	20	·	·	·		550		(E)LIGHTS
(E)RECEPTACLES			180	·	·	·	20	1	12	17	18	12	1	20	·	·	·			720	(E)FLOOR REC
(E)RECEPTACLES	180			·	·	·	20	1	12	19	20	12	1	20	·	·	·	720			(E)FLOOR REC
(E)RECEPTACLES		300		·	·	·	20	1	12	21	22	12	1	20	·	·	·		720		(E)FLOOR REC
(E)RECEPTACLES			1080	·	·	·	20	1	12	23	24	12	1	20	·	·	·			720	(E)FLOOR REC
(E)RECEPTACLES	800			·	·	·	20	1	12	25	26	12	1	20	·	·	·	300			(E)GENERATOR
(E)RECEPTACLES		500		·	·	·	20	1	12	27	28	12	1	20	·	·	·		300		(E)GENERATOR
① **BREAK RM REFER**			**1000**	·	·	·	20	1	12	29	30	12	1	20	·	·	·			1080	(E)GENERATOR
(E)RECEPTACLES	540			·	·	·	20	1	12	31	32	12	1	20	·	·	·	–			–
① **BREAK RM CONV**		**360**		·	·	·	20	1	12	33	34	12	1	20	·	·	·		–		–
(E)RECEPTACLES			180	·	·	·	20	1	12	35	36	12	1	20	·	·	·			–	–
(E)RECEPTACLES	300			·	·	·	20	1	12	37	38	3		90	·	·	·	2800			PANEL "N"
(E)SPRINKLER CONTROL		180		·	·	·	20	1	12	39	40	3			·	·	·		2600		
SPARE			–	·	·	·	20	1	12	41	42	3	3		·	·	·			1200	
CONNECTED LOAD	3800	3320	4640															6404	6242	6168	CONNECTED LOAD

PHASE A VOLT-AMPS : 10204 VA.
PHASE B VOLT-AMPS : 9562 VA.
PHASE C VOLT-AMPS : 10808 VA.

① UTILIZE EXISTING CIRCUIT BREAKER REVISE LOAD – UPDATE PANEL SCHEDULE

TOTAL DEMAND AMPS = 30574 VOLTS-AMPS ÷ (√3 * PHASE VOLTAGE 208 VOLTS) = 85 AMPS

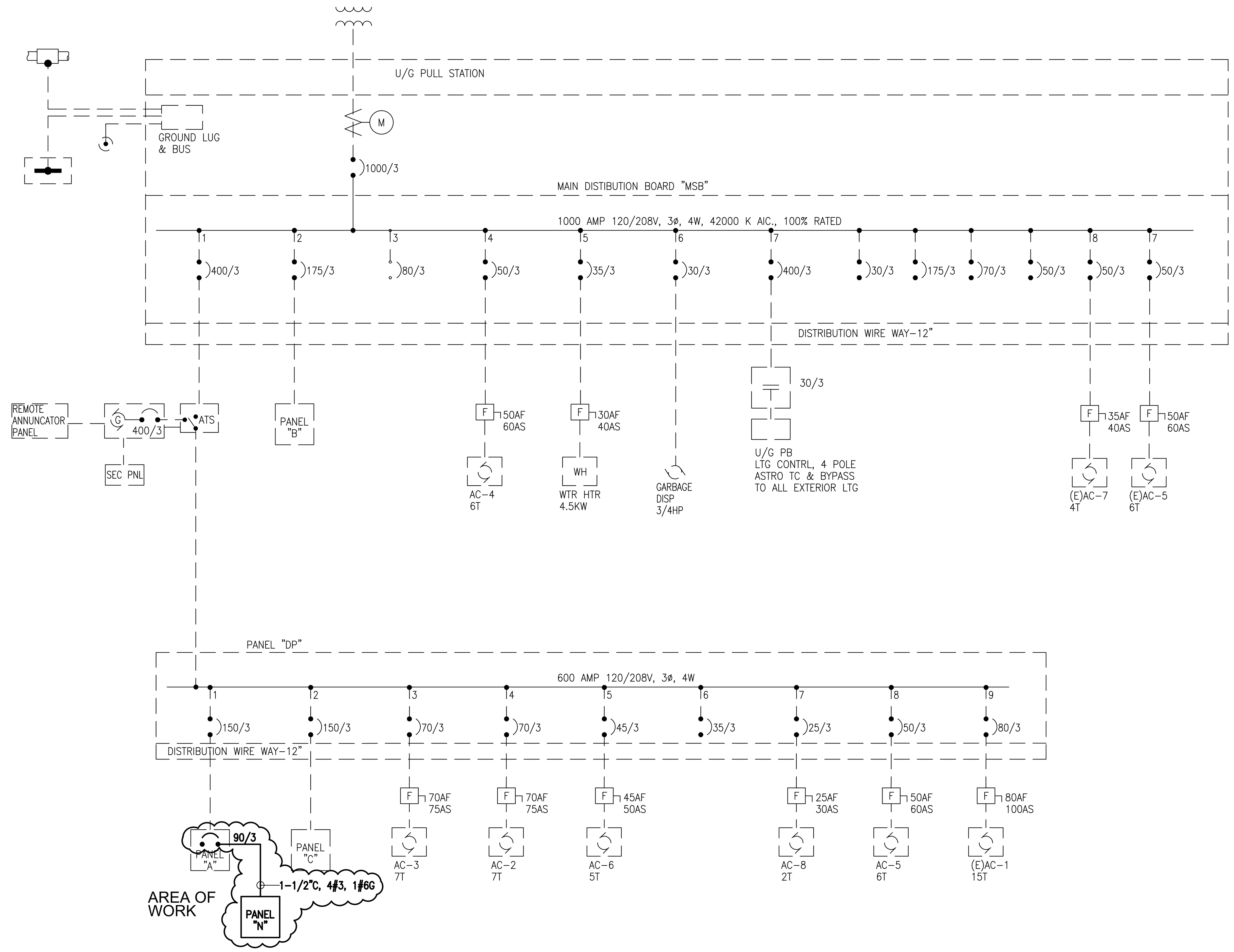
PANEL N

BUS 225 3PH 4W — VOLTS 120/208V — MFR. MATCH EXISTING — AIC RATING SERIES — MAIN AMPS MLO

DESCRIPTION	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	BKR. AMP	BKR. P	WIRE AWG	BUS CONNECTION	BUS CONNECTION	WIRE AWG	BKR. P	BKR. AMP	OUTLETS MISC	OUTLETS REC	OUTLETS LTG	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	DESCRIPTION
REC	1000			·	5	·	20	1	12	1	2	12	1	20	·	3	·	600			COUNTER REC
REC		1000		·	5	·	20	1	12	3	4	12	1	20	·	2	·		400		COUNTER REC
REC			600	·	3	·	20	1	12	5	6	12	1	20	·	·	·			–	–
REC	600			·	3	·	20	1	12	7	8	12	1	20	·	·	·	–			–
REC		800		·	4	·	20	1	12	9	10	12	1	20	·	·	·		–		–
REC			600	·	3	·	20	1	12	11	12	12	1	20	·	·	·			–	–
REC	600			·	3	·	20	1	12	13	14	12	1	20	·	·	·	–			–
REC		400		·	2	·	20	1	12	15	16	12	1	20	·	·	·		–		–
–			–	·	·	·	20	1	12	17	18	12	1	20	·	·	·			–	–
–	–			·	·	·	20	1	12	19	20	12	1	20	·	·	·	–			–
–		–		·	·	·	20	1	12	21	22	12	1	20	·	·	·		–		–
–			–	·	·	·	20	1	12	23	24	12	1	20	·	·	·			–	–
–	–			·	·	·	20	1	12	25	26	12	1	20	·	·	·	–			–
–		–		·	·	·	20	1	12	27	28	12	1	20	·	·	·		–		–
–			–	·	·	·	20	1	12	29	30	12	1	20	·	·	·			–	–
–	–			·	·	·	20	1	12	31	32	12	1	20	·	·	·	–			–
–		–		·	·	·	20	1	12	33	34	12	1	20	·	·	·		–		–
–			–	·	·	·	20	1	12	35	36	12	1	20	·	·	·			–	–
–	–			·	·	·	20	1	12	37	38	12	1	20	·	·	·	–			–
		–		·	·	·	20	1	12	39	40	12	1	20	·	·	·		–		–
–			–	·	·	·	20	1	12	41	42	12	1	20	·	·	·			–	–
CONNECTED LOAD	2200	2200	1200															600	400	–	CONNECTED LOAD

PHASE A VOLT-AMPS : 2800 VA.
PHASE B VOLT-AMPS : 2600 VA.
PHASE C VOLT-AMPS : 1200 VA.

TOTAL DEMAND AMPS = 6600 VOLTS-AMPS ÷ (√3 * PHASE VOLTAGE 208 VOLTS) = 18 AMPS



SINGLE LINE DIAGRAM

BRANCH CIRCUIT WIRING SCHEDULE

TO BE USED FOR BRANCH CIRCUIT WIRING UNLESS NOTED OTHERWISE

OC RATING	POLES	HOT NO.	HOT AWG	NEUTRAL NO.	NEUTRAL AWG	GROUND AWG	CONDUIT
15A	1	1	12	1	12	12	3/4"
	2	2	12	–	–	12	3/4"
	3	3	12	–	–	12	3/4"
20A	1	1	12	1	12	12	3/4"
	2	2	12	–	–	12	3/4"
	3	3	12	–	–	12	3/4"
25A	1	1	10	1	10	10	3/4"
	2	2	10	–	–	10	3/4"
	3	3	10	–	–	10	3/4"
30A	1	1	10	1	8	10	3/4"
	2	2	10	–	–	10	3/4"
	3	3	10	–	–	10	3/4"
35A	1	1	8	1	8	10	3/4"
	2	2	8	–	–	10	3/4"
	3	3	8	–	–	10	3/4"
40A	1	1	8	1	8	10	3/4"
	2	2	8	–	–	10	3/4"
	3	3	8	–	–	10	3/4"
45A	1	1	8	1	8	10	3/4"
	2	2	8	–	–	10	3/4"
	3	3	8	–	–	10	3/4"
50A	1	1	8	1	6	10	3/4"
	2	2	8	–	–	10	3/4"
	3	3	8	–	–	10	3/4"
60A	1	1	6	1	6	10	1"
	2	2	6	–	–	10	1"
	3	3	6	–	–	10	1"

NOTES:
1. THE ABOVE SCHEDULE IS BASED ON COPPER, 75 DEGREE CONDUCTORS

VOLTAGE DROP FOR BRANCH CIRCUITS

BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION. INCREASE EQUIPMENT GROUND AND CONDUIT SIZE PER NATIONAL ELECTRIC CODE.

20A – 120V CIRCUITS:	20A – 277V CIRCUITS:
#12 WIRE – 75' LENGTH MAXIMUM	#12 WIRE – 200' LENGTH MAXIMUM
#10 WIRE – 125' LENGTH MAXIMUM	#10 WIRE – 285' LENGTH MAXIMUM
#8 WIRE – 190' LENGTH MAXIMUM	#8 WIRE – 440' LENGTH MAXIMUM

NOTES:
1. *INFORMATION ABOVE DESIGNED TO PREVENT A VOLTAGE DROP EXCEEDING 3% FOR BRANCH CIRCUIT CONDUCTORS PER CEC REQUIREMENTS.*
2. *BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS A GUIDELINE FOR VOLTAGE DROP COMPENSATION. INCREASE EQUIPMENT GROUND AND CONDUIT SIZE PER CEC AS NECESSARY.*
3. *INFORMATION BASED ON 50% DIVERSITY AND 75°C TERMINATIONS.*

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NOTICE TO CONTRACTORS
Written dimensions on these drawings shall take precedence over scaled dimensions. Contractor shall verify and be responsible for confirming all dimensions and shall notify the architect immediately of any discrepancies or field variations discovered.

KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — Est. 1893

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