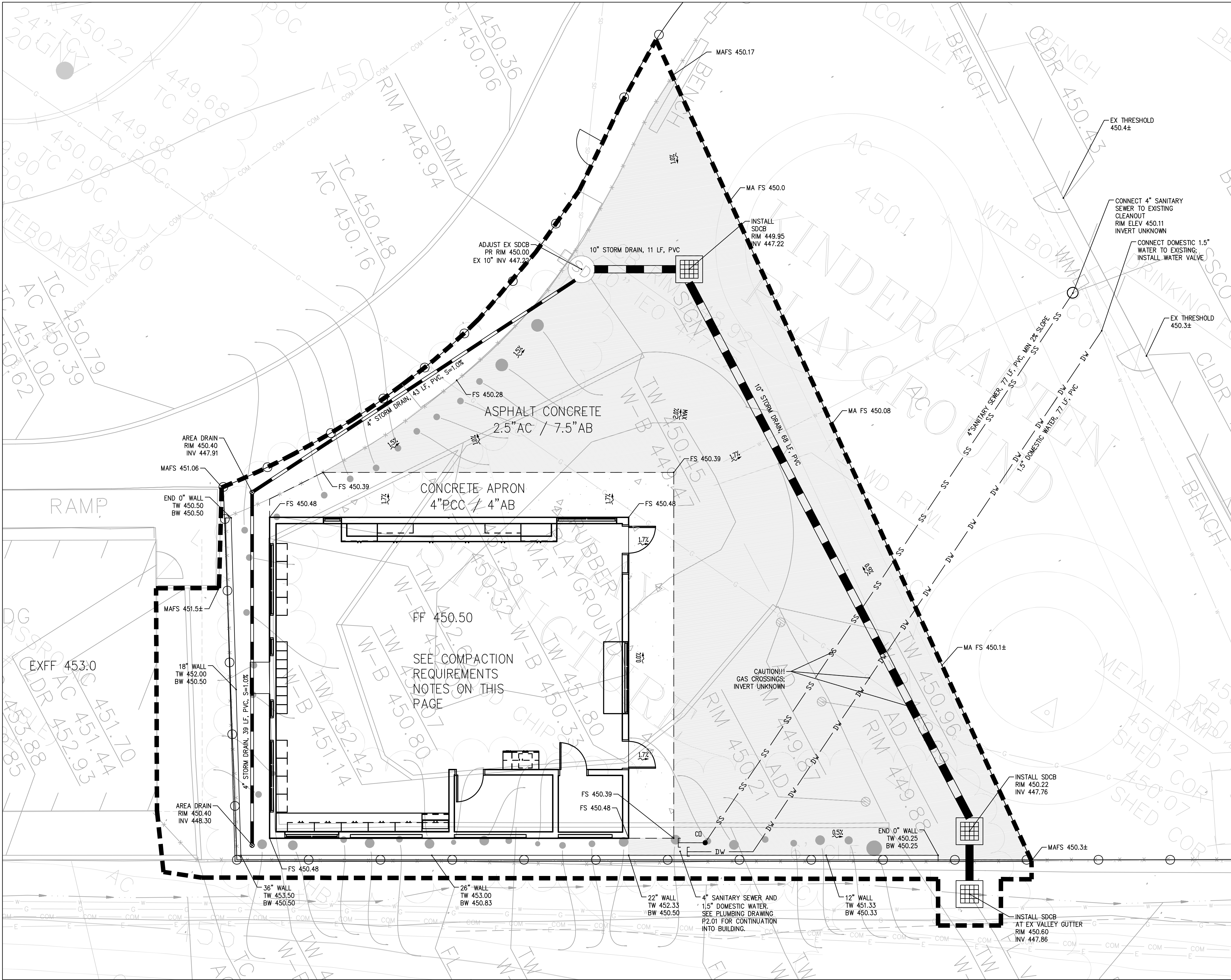
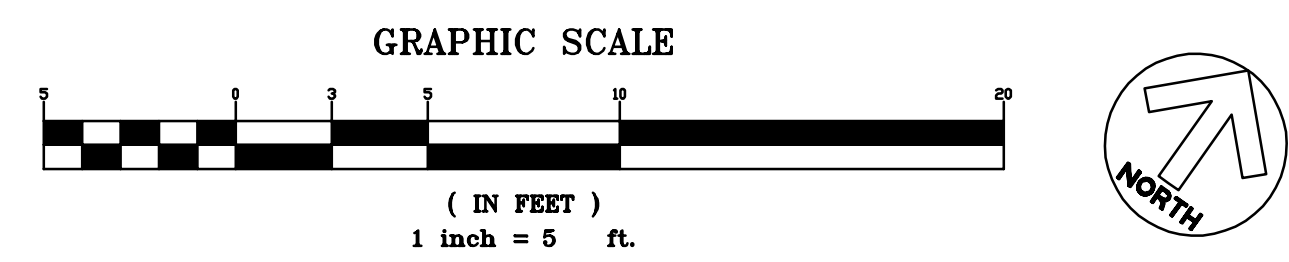


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GEOTECHNICAL NOTES

UNDOCUMENTED FILLS
ALL UNDOCUMENTED FILLS SHALL BE FULLY REMOVED AND REPLACED AS ENGINEERED FILL BENEATH PLANNED FOUNDATIONS.
EACH INDIVIDUAL FOOTING BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT, RESULTING IN A MINIMUM OF 12 INCHES OF ENGINEERED FILL BENEATH ALL NEW FOUNDATIONS.

SUBGRADE PREPARATION
AFTER SITE CLEARING AND DEMOLITION IS COMPLETE, AND PRIOR TO BACKFILLING ANY EXCAVATIONS RESULTING FROM FILL REMOVAL OR DEMOLITION, THE EXCAVATION SUBGRADE AND SUBGRADE WITHIN AREAS TO RECEIVE ADDITIONAL SITE FILLS, SLABS-ON-GRADE AND/OR PAVEMENTS SHOULD BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED AND COMPACTED.
DUE TO THE SANDY SOILS LIKELY TO BE ENCOUNTERED AT THE SUBGRADE ELEVATION, SUBGRADE COMPACTION AND PROOF ROLLING SHALL BE PERFORMED WITHIN 24 HOURS OF CAPILLARY BREAK LAYER OR SLAB-ON-GRADE CONSTRUCTION.

COMPACTION REQUIREMENTS
ALL FILLS, AND SUBGRADE AREAS WHERE FILL, SLABS-ON-GRADE, AND PAVEMENTS ARE PLANNED, SHOULD BE PLACED IN LOOSE LIFTS 8 INCHES THICK OR LESS AND COMPACTED IN ACCORDANCE WITH ASTM D1557 (LATEST VERSION) REQUIREMENTS AS SHOWN IN THE TABLE BELOW. IN GENERAL, CLAYEY SOILS SHOULD BE COMPACTED WITH SHEEPSFOOT EQUIPMENT AND SANDY/GRAVELLY SOILS WITH VIBRATORY EQUIPMENT; OPEN-GRADED MATERIALS SUCH AS CRUSHED ROCK SHOULD BE PLACED IN LIFTS NO THICKER THAN 18 INCHES AND CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT. EACH LIFT OF FILL AND ALL SUBGRADE SHOULD BE FIRM AND UNYIELDING UNDER CONSTRUCTION EQUIPMENT LOADING IN ADDITION TO MEETING THE COMPACTION REQUIREMENTS TO BE APPROVED. THE CONTRACTOR (WITH INPUT FROM A CORNERSTONE REPRESENTATIVE) SHOULD EVALUATE THE IN-SITU MOISTURE CONDITIONS, AS THE USE OF VIBRATORY EQUIPMENT ON SOILS WITH HIGH MOISTURES CAN CAUSE UNSTABLE CONDITIONS.

TRENCH BACKFILL
ALL UTILITY LINES SHOULD BE BEDDED AND SHADED TO AT LEAST 6 INCHES OVER THE TOP OF THE LINES WITH CRUSHED ROCK (¾-INCH-DIAMETER OR GREATER) OR WELL-GRADED SAND AND GRAVEL MATERIALS CONFORMING TO THE PIPE MANUFACTURER'S REQUIREMENTS. OPEN-GRADED SHADING MATERIALS SHOULD BE CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT AND WELL-GRADED MATERIALS SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION WITH VIBRATORY EQUIPMENT PRIOR TO PLACING SUBSEQUENT BACKFILL MATERIALS.
WHERE UTILITY LINES WILL CROSS PERPENDICULAR TO STRIP FOOTINGS, THE FOOTING SHOULD BE DEEPEMED TO ENCASE THE UTILITY LINE, PROVIDING SLEEVES OR FLEXIBLE CUSHIONS TO PROTECT THE PIPES FROM ANTICIPATED FOUNDATION SETTLEMENT, OR THE UTILITY LINES SHOULD BE BACKFILLED TO THE BOTTOM OF FOOTING WITH SAND-CEMENT SLURRY OR LEAN CONCRETE. WHERE UTILITY LINES WILL PARALLEL FOOTINGS AND WILL EXTEND BELOW THE FOUNDATION PLANE OF INFLUENCE, AN IMAGINARY 1:1 PLANE PROJECTED DOWN FROM THE BOTTOM EDGE OF THE FOOTING, EITHER THE FOOTING WILL NEED TO BE DEEPEMED SO THAT THE PIPE IS ABOVE THE FOUNDATION PLANE OF INFLUENCE, OR THE UTILITY TRENCH WILL NEED TO BE BACKFILLED WITH SAND-CEMENT SLURRY OR LEAN CONCRETE WITHIN THE INFLUENCE ZONE. SAND-CEMENT SLURRY USED WITHIN FOUNDATION INFLUENCE ZONES SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 75 PSI.

DEMOLITION NOTES

- EXISTING UTILITIES SHOWN ARE SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR TO EXPOSE (E) UTILITIES PRIOR OR DURING DEMOLITION/EXCAVATION TO EXPOSE (E) UTILITY SERVICES TO CONFIRM LOCATION AND DEPTH SUFFICIENT TO ALLOW CONSTRUCTION OF PLANNED PAVEMENT.
- THIS PLAN SHOWS GENERAL LIMITS OF DEMOLITION AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK NECESSARY TO INSTALL NEW UTILITIES, SITE WORK, PAVING, ETC.
- CLEAR AND GRUB WITHIN LIMITS OF DEMOLITION.
- REFER TO GRADING & DRAINAGE PLAN FOR LIMITS OF PROPOSED PAVING.
- SEE ARCHITECTURAL PLAN FOR TREE REMOVAL.
- ADJUST (E) UTILITY STRUCTURES WITHIN LIMITS OF DEMO TO REMAIN TO FINISH GRADE.
- AT LIMIT OF WORK LOCATIONS, SAWCUTS SHALL BE NEAT AND SQUARE. SAWCUTS IN CONCRETE SHALL BE AT EXISTING JOINTS OR SCORE MARKS.
- PROTECT ALL (E) BUILDINGS, STRUCTURES, AND UTILITIES TO REMAIN AND VERIFY EXISTING FEATURES WILL NOT BE IMPACTED BY DEMOLITION ACTIVITIES.

SPECIFICATIONS

- HEADERS SHALL BE CONSTRUCTION HEART GRADE REDWOOD, PER PARAGRAPH 114 OF THE STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
- STAKES SHALL BE REDWOOD OF GRADE SPECIFIED FOR HEADERS.
- NAILS SHALL BE COMMON, GALVANIZED, 12D MINIMUM.
- ASPHALT SHALL COMPLY WITH THE FOLLOWING PROVISIONS OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 203-1: PAVING ASPHALT - AR 4000; PRIME COAT - SC250; AND TACK COAT - SS-1H.
- HOT PLANT MIXED ASPHALTIC CONCRETE PAVING MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 203-6 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: BASE COURSE MIX - B; PARKING AREA DRIVE MIX - C2; HARDSCAPE AREA PLAY MIX - D2.
- ASPHALT CONCRETE PAVING MIX SHALL HAVE 5 TO 7 PERCENT ASPHALT CEMENT CONTENT BY WEIGHT IN ACCORDANCE WITH TAI PUBLICATION MS-2.
- SEAL COAT SHALL BE GUARDTOP MANUFACTURED BY INDUSTRIAL ASPHALT INC., (909) 626-1258.
- GRANULAR BASE MATERIAL SHALL BE SPREAD TO COMPACTED THICKNESS SHOWN ON THE PLANS. COMPACT TO AT LEAST 95 PERCENT RELATIVE COMPACTION.
- GRANULAR BASE THICKNESS TOLERANCE SHALL BE MINUS 0.0 INCH TO PLUS 0.5 INCH. SMOOTHNESS TOLERANCE SHALL BE ¾ INCH IN 10 FEET. DEVIATIONS SHALL BE CORRECTED BY REMOVING MATERIALS, REPLACING WITH NEW MATERIALS, AND REWORKING OR RECOMPACTING AS REQUIRED. MOISTURE CONTENT SHALL BE ONLY THE AMOUNT NEEDED TO ACHIEVE THE SPECIFIED COMPACTION.
- FOR PLACEMENT OF ASPHALTIC CONCRETE FINISHED PAVING: REMOVE ALL LOOSE MATERIALS FROM COMPACTED BASE; APPLY PRIME COAT AT THE RATE OF 0.10 AND 0.25 GALLON PER SQUARE YARD TO ALL AREAS TO BE PAVED; APPLY TACK COAT AT THE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD TO ALL EXISTING PAVEMENT, CURBS, GUTTERS, MANHOLES, AND THE LIKE IMMEDIATELY BEFORE ASPHALT CONCRETE IS PLACED; ADJUST FRAMES AND COVERS, IF SO REQUIRED, TO MEET FINAL GRADES.
- FOR SPREADING ASPHALTIC CONCRETE MATERIALS: SPREAD MATERIAL IN A MANNER WHICH REQUIRES THE LEAST HANDLING; SPREAD ASPHALT CONCRETE TO THICKNESS SHOWN ON PLANS; SPREAD IN ONE LAYER WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE 3 INCHES OR LESS, SPREAD IN TWO LAYERS WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE MORE THAN 3 INCHES, SURFACE COURSE SHALL BE A MINIMUM OF 1 INCH THICK.
- FOR ROLLING: AFTER MATERIAL HAS BEEN SPREAD TO PROPER DEPTH, ROLL UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THE THICKNESS AND ELEVATIONS SHOWN; ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
- BITUMINOUS CONCRETE PAVING SHALL: BE FREE FROM BIRDBATHS, HAVE A MAXIMUM FLATNESS VARIATION OF ¾ INCH IN 6 FEET, HAVE COMPACTED THICKNESS WITHIN ¼ INCH, AND HAVE VARIATION FROM TRUE ELEVATION WITHIN ¼ INCH.



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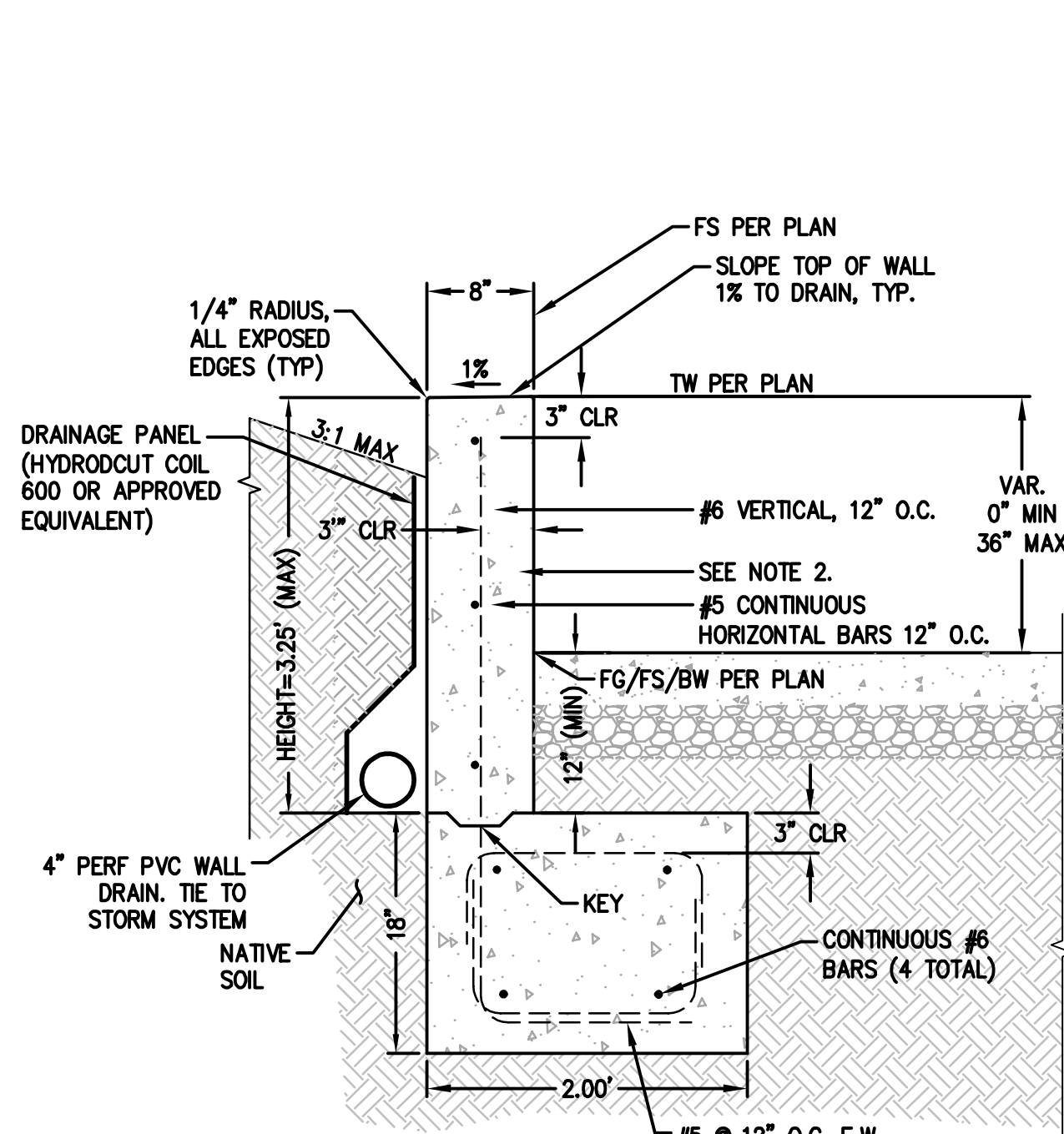
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Project No: 25007
Sheet Title:

PAVING, GRADING,
AND UTILITY PLAN

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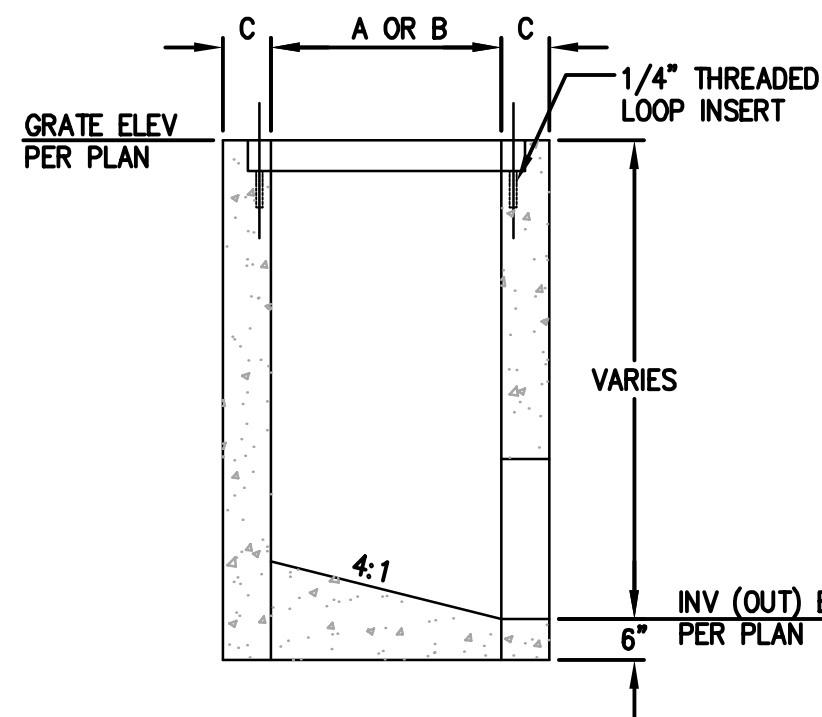
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- NOTES:**
1. PROVIDE EXPANSION JOINTS 20' O.C. WITH #4 SLIP DOWELS - 24" LONG.
 2. CONCRETE SHALL HAVE A MIN COMPRESSIVE STRENGTH OF 4,000 PSI @28 DAYS.
 3. REFER TO STRUCTURAL DETAILS FOR: REBAR SPLICE/HOOK/LAP DETAILS, WALL PENETRATIONS AND FOOTING STEPPING REQUIREMENTS.
 4. CONCRETE FINISH SHALL MATCH LANDSCAPE WALL FINISHES/DETAILS. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

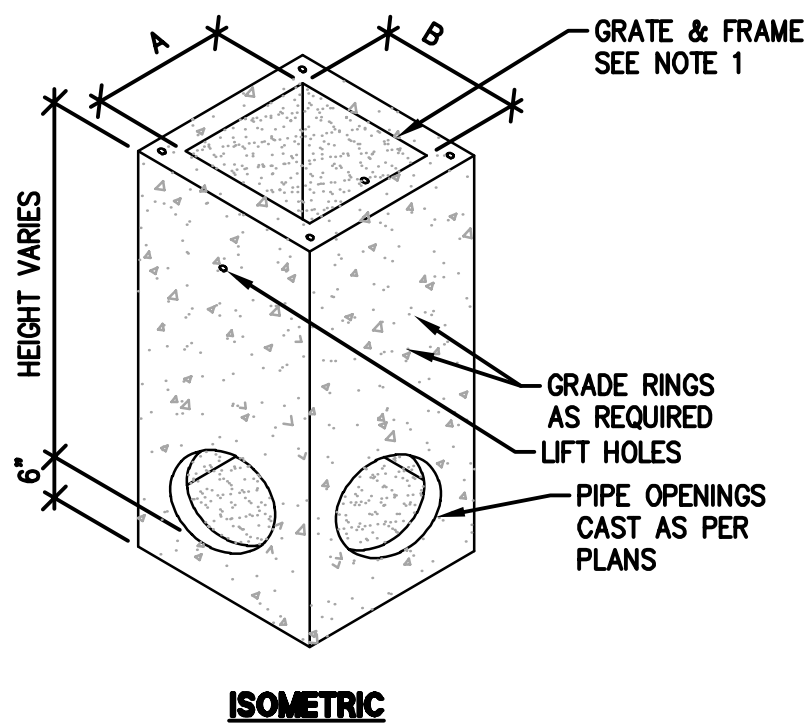
1 **SHORT WALL**
N.T.S.

TYPE	A	B	C	MODEL
1	12"	12"	4"	DI-1212
2	24"	24"	5"	DI-2424
3	24"	30"	5"	DI-2430
4	24"	36"	6"	DI-2436
5	36"	36"	6"	DI-3636

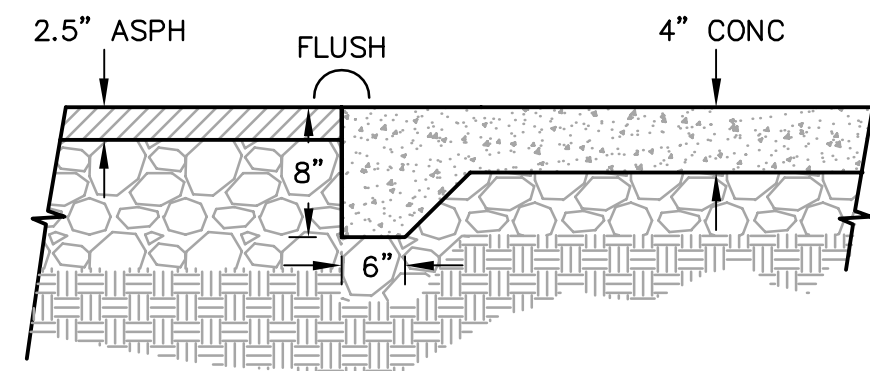


6 **DROP INLET**
N.T.S.

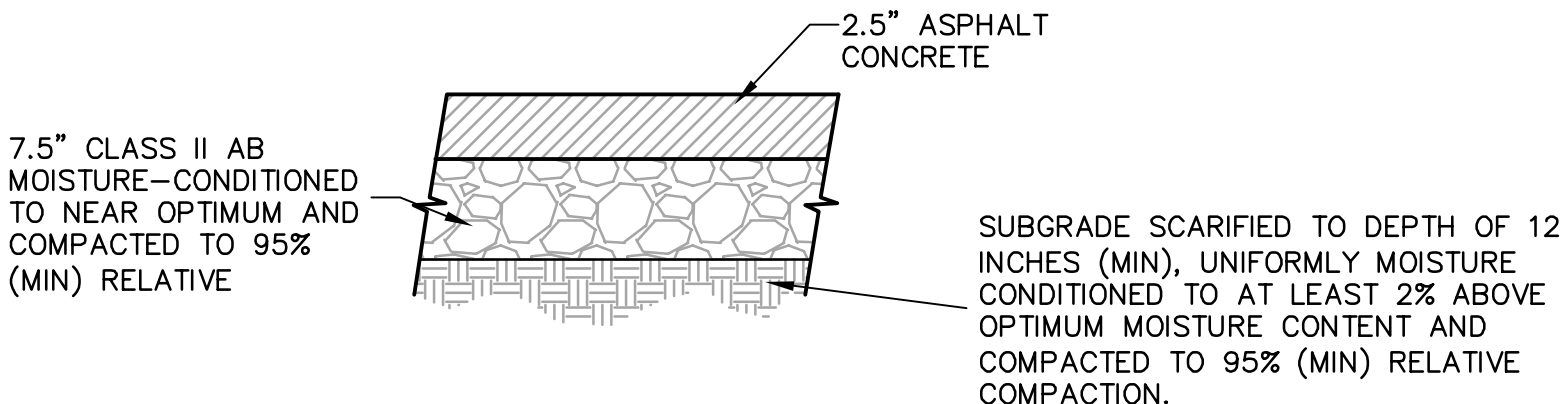
- NOTES:**
1. REFER TO OLDCASTLE PRE-CAST PRODUCTS OR APPROVED EQUIVALENT.
 2. DROP INLETS SHALL BE:
 - 2.1. RATED FOR H20 LOADING.
 - 2.2. HAVE A STANDARD HEAVY DUTY ADA COMPLIANT FRAME AND GRATE AND,
 - 2.3. SHALL BE PROVIDED WITH A LOCKING DEVICE AND,
 - 2.4. PER CBC 11B-302.3, GRATE OPENINGS IN PLAY AREAS SHALL HAVE OPENINGS NO LARGER THAN 1/2" IN ALL DIRECTIONS.



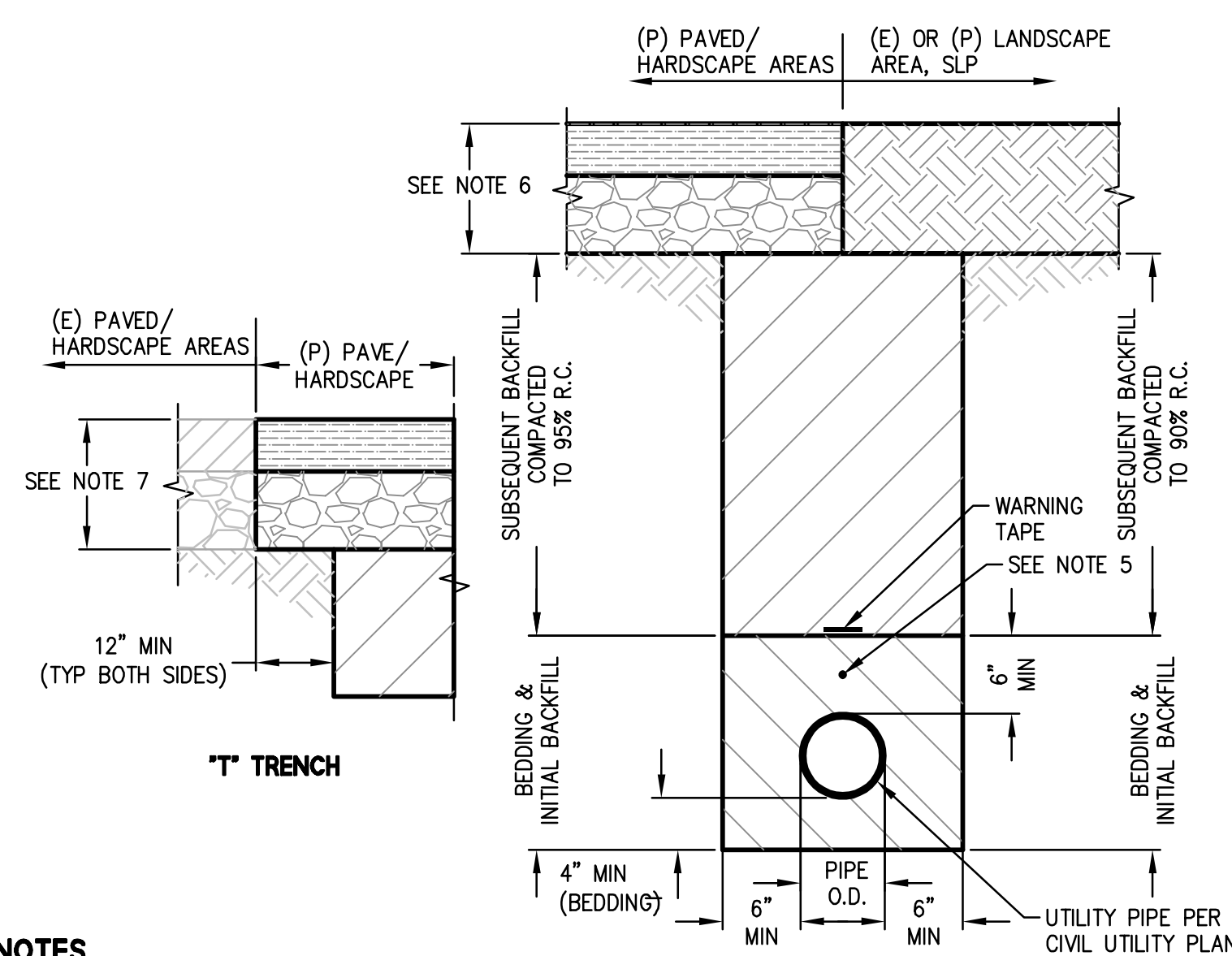
7 **ASPHALT TO EXISTING TRANSITION**
NTS



8 **ASPHALT TO CONCRETE TRANSITION**
NTS

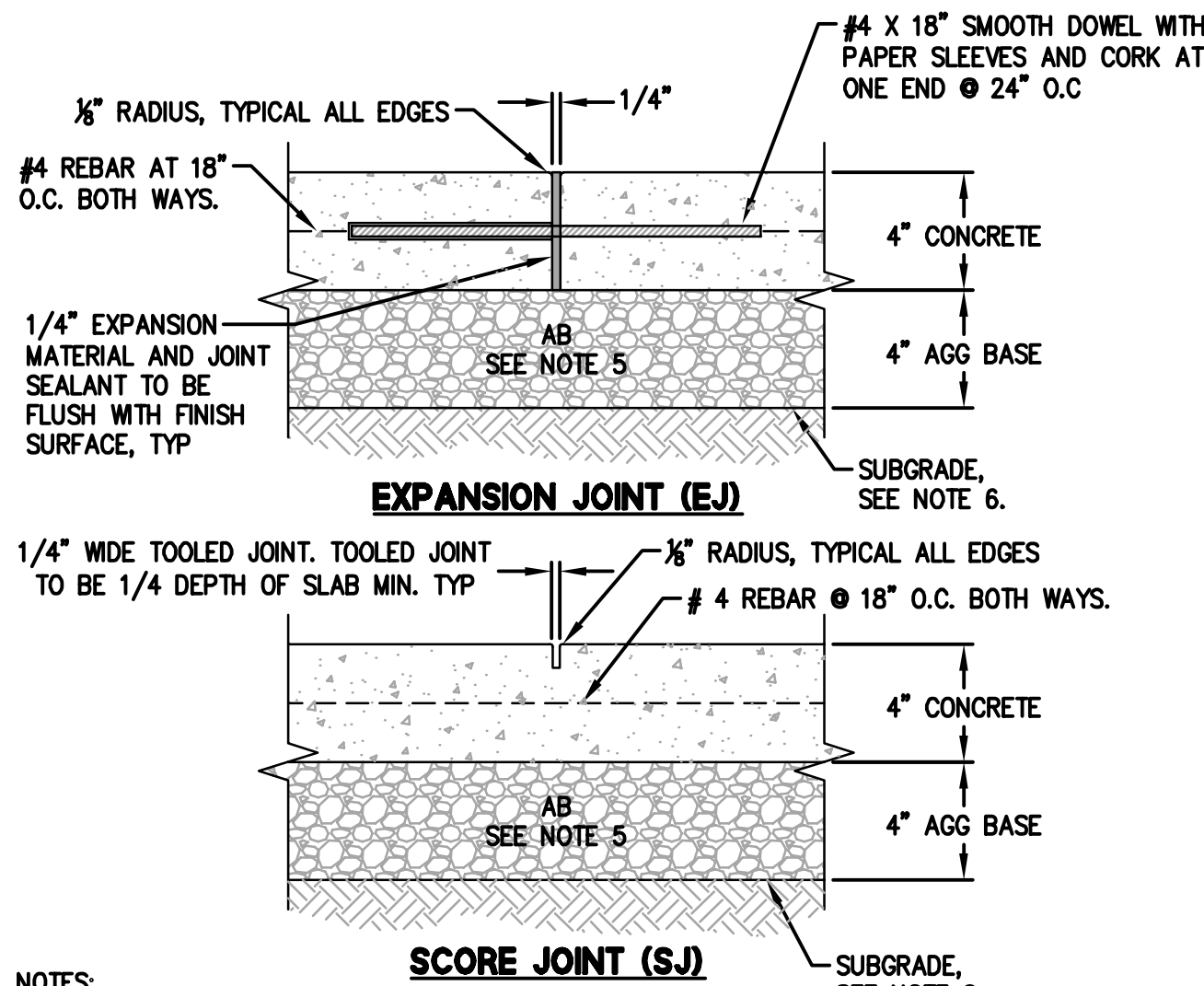


9 **AC PAVEMENT**
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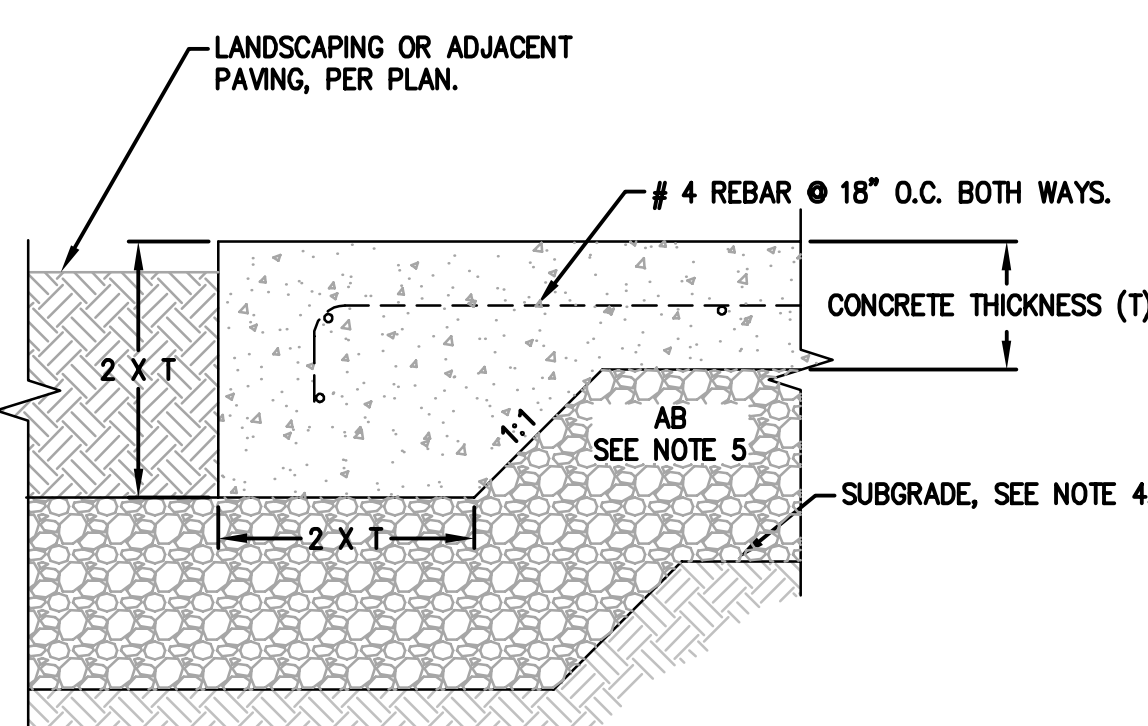
- NOTES:**
1. BEDDING AND INITIAL BACKFILL:
 - 1.1. SAND PER CALTRANS SPECIFICATION SECTION 19-302.5B, COMPACTED TO 95% R.C.
 - 1.2. UNDER SATURATED CONDITIONS AND APPROVED BY THE ENGINEER AND GEOTECHNICAL CONSULTANT - MANUFACTURED AGGREGATE PER ASTM 2321 CLASS IA (3/8" MAX). COMPACTION SHALL BE BY VIBRATORY EQUIPMENT OR AS APPROVED BY THE GEOTECHNICAL CONSULTANT.
 2. SUBSEQUENT BACKFILL:
 - 2.1. CLASS II AGGREGATE BASE PER CALTRANS SPECIFICATION SECTION 26 (3/4" MAX). REFER TO DETAIL FOR COMPACTION REQUIREMENTS.
 - 2.2. IMPORTED OR EXCAVATED ONSITE SOIL CONFORMING TO STRUCTURAL FILL PER SPECIFICATION SECTION 31.23 OR APPROVED BY THE GEOTECHNICAL CONSULTANT. REFER TO DETAIL FOR COMPACTION REQUIREMENTS.
 3. BACKFILL TO BE COMPACTED IN LIFTS NOT EXCEEDING 8-INCHES.
 4. ALL UTILITY TRENCHES THAT RUN BELOW CURBS, GUTTER AND SIDEWALKS SHALL BE PLUGGED AT LEAST 2- FEET THICK AND 2- FEET BEYOND TRENCH EDGE WITH COMPACTED CLAYEY-SOIL, COMPACTED BENTONITE, A BENTONITE-CEMENT OR SAND-CEMENT SLURRY MIXTURE.
 5. TRACER WIRE FOR NON-METALLIC UTILITY PIPES
 6. PAVEMENT SECTION. SEE PAVING PLANS FOR SECTION DETAILS.
 7. PAVEMENTS SECTION. MIN PAVING SECTION SHALL MATCH EXISTING OR SHALL BE PER PAVING PLAN, WHICHEVER IS GREATER.

10 **UTILITY TRENCH**
N.T.S.



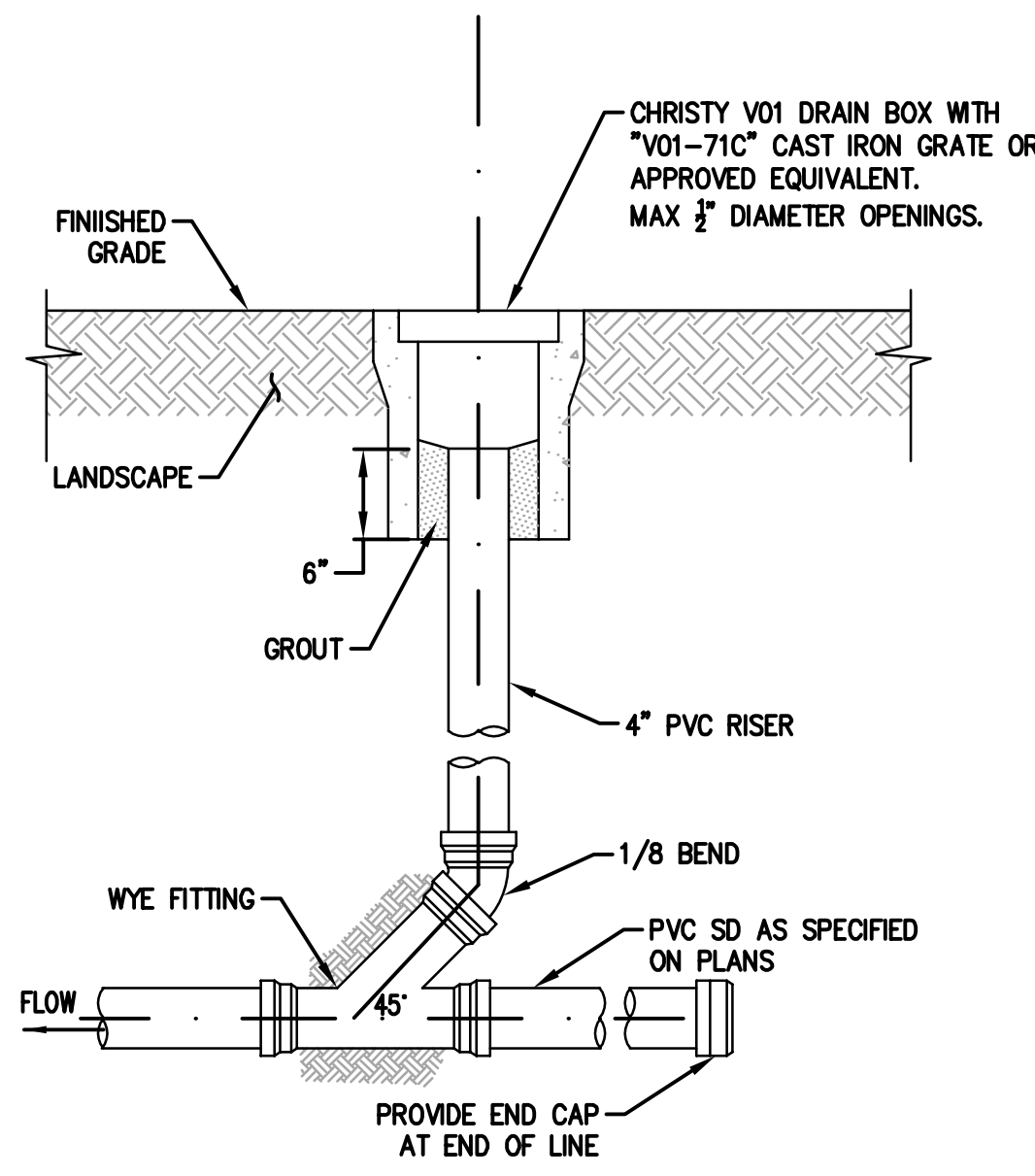
- NOTES:**
1. INTERRUPT REINFORCING STEEL AT EXPANSION JOINT.
 2. LOCATE COLD JOINTS ONLY AT EXPANSION JOINT OR SCORE JOINT LOCATIONS AS INDICATED ON LAYOUT PLAN. LOCATE COLD JOINTS AT EXPANSION JOINTS WHERE POSSIBLE. IF COLD JOINTS ARE LOCATED AT SCORE JOINT LOCATIONS AS SHOWN ON LAYOUT PLAN, REBAR CAN BE EXTENDED THROUGH THE JOINT AND STEEL DOWELS CAN BE ELIMINATED.
 3. PORTLAND CEMENT CONCRETE SHALL BE MINOR CONCRETE PER PROJECT SPECIFICATIONS.
 4. PROVIDE EXPANSION JOINTS 20' OC MAX SPACING AND AT CURB RETURNS. CONTROL JOINTS SHALL BE PROVIDED BETWEEN EXPANSION JOINTS AT 10' MAX SPACING.
 5. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
 6. SCARIFY UPPER 6" OF SUBGRADE AND COMPACT TO 95% RELATIVE COMPACTION PER GETOECH REPORT. REFER TO THE GETOECH REPORT FOR OVEREXCAVATION REQUIREMENTS.

2 **CONCRETE PAVEMENT**
N.T.S.

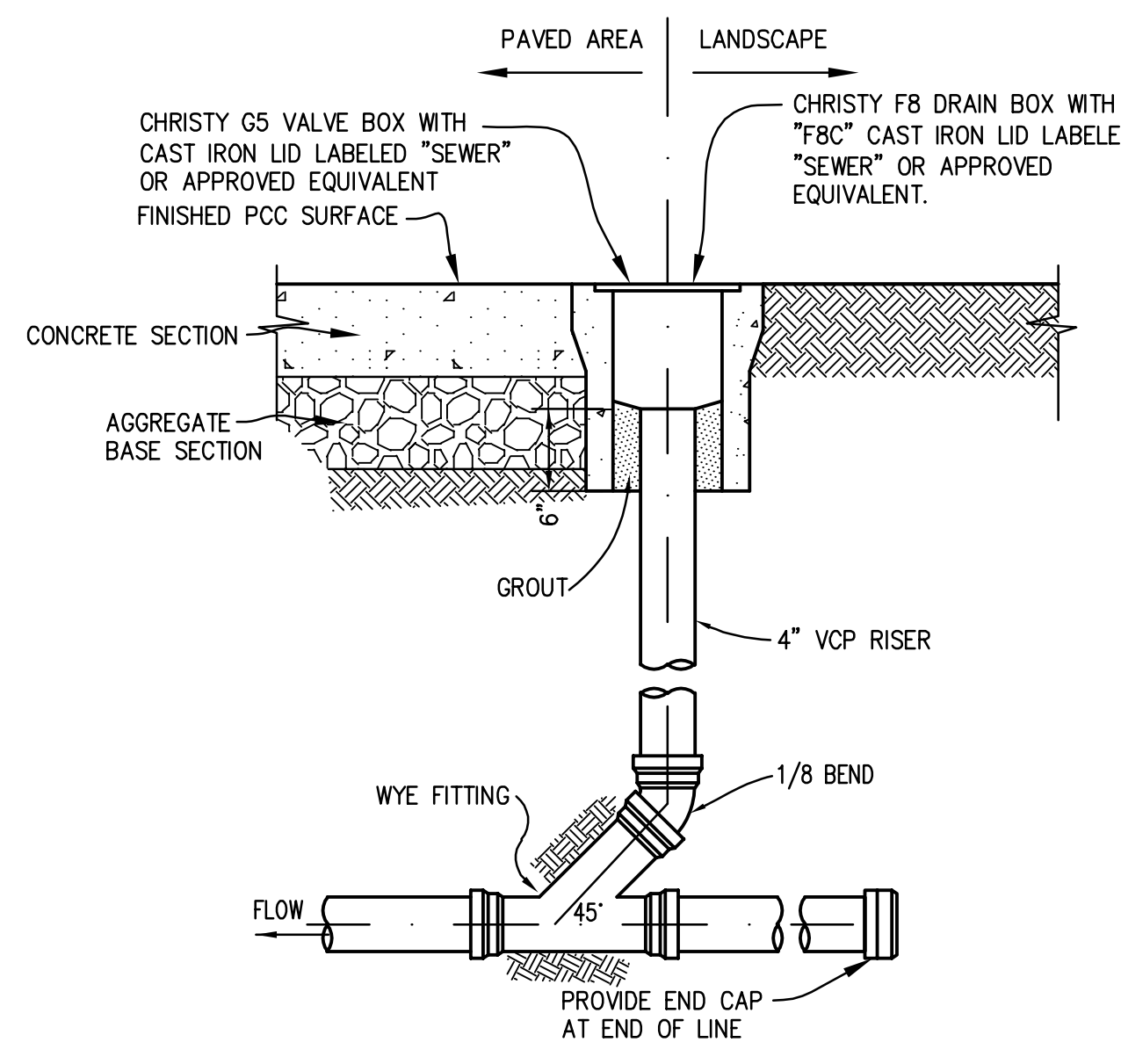


- NOTES:**
1. REFER TO PAVING PLAN AND SECTIONS FOR ADDITIONAL INFORMATION.
 2. PORTLAND CEMENT CONCRETE SHALL BE MINOR CONCRETE PER PROJECT SPECIFICATIONS.
 3. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
 4. SCARIFY UPPER 6" OF SUBGRADE AND COMPACT TO 95% RELATIVE COMPACTION PER GETOECH REPORT. REFER TO THE GETOECH REPORT FOR OVEREXCAVATION REQUIREMENTS.

3 **CONCRETE PAVEMENT**
N.T.S.

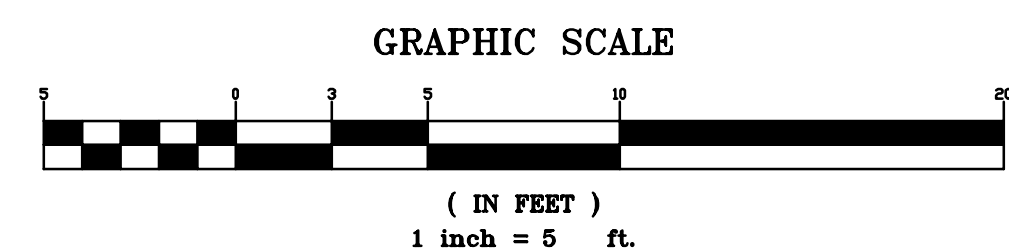
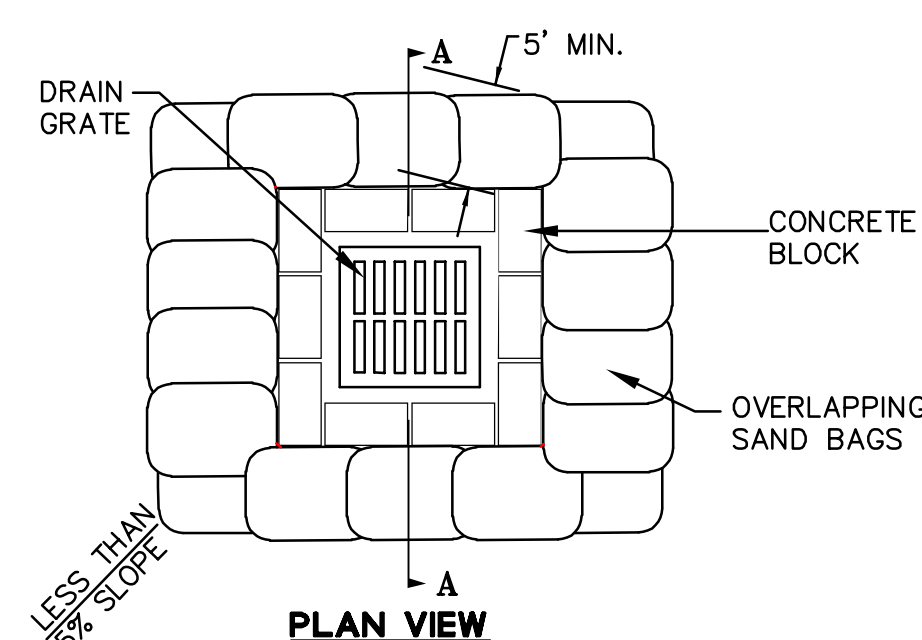
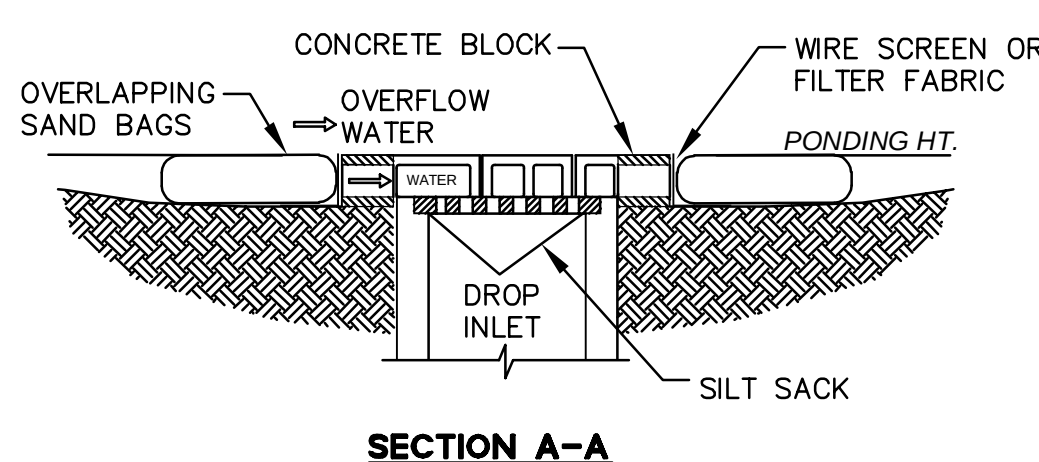
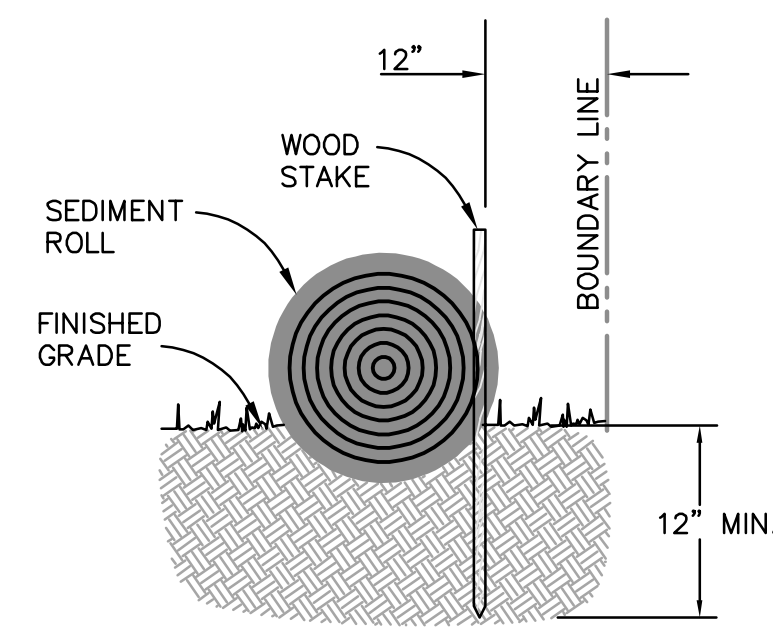
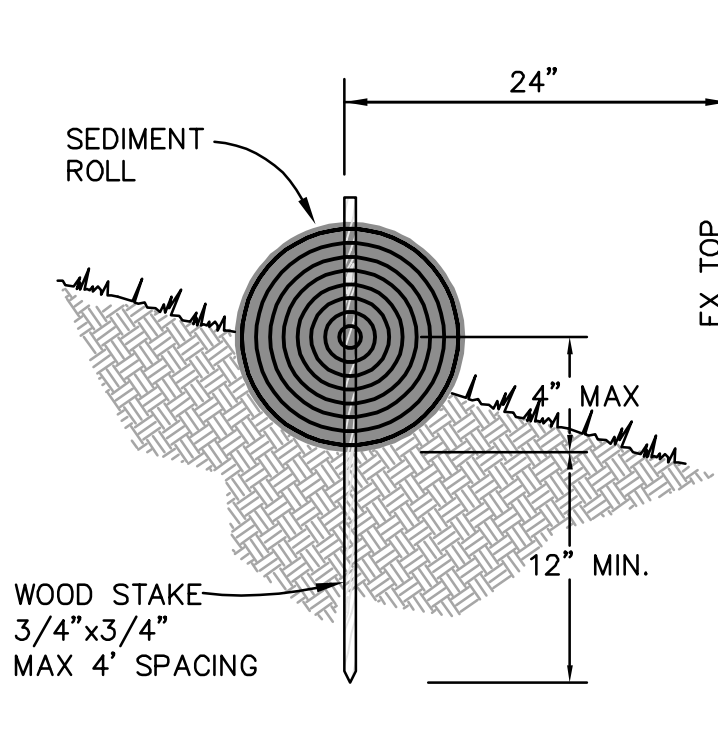


4 **AREA DRAIN**
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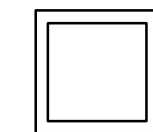


5 **SEWER CLEANOUT**
N.T.S.





SEDIMENT BARRIER
SEE DETAIL 1 BELOW



FIBER ROLL
SEE DETAIL 2 BELOW

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN EFFECT AND MAINTAINED BY THE CONTRACTOR ON A YEAR-ROUND BASIS UNTIL ALL DISTURBED CITY AREAS ARE STABILIZED.
2. ALL INLETS RECEIVING STORM WATER RUNOFF FROM THE PROJECT AREA MUST BE EQUIPPED WITH REQUIRED INLET PROTECTION.
3. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF ENTERING THE STORM DRAIN SYSTEM.
4. THE CONTRACTOR SHALL ADJUST THE EROSION CONTROL LAYOUT FOR SITE CONDITIONS. SEDIMENT LADEN RUNOFF SHALL NOT BE ALLOWED TO LEAVE THE SITE WITHOUT BEING ADEQUATELY FILTERED OR DETAINED TO ALLOW SETTLEMENT.
5. CONTRACTOR SHALL ALSO PROVIDE A QUALIFIED SWPPP PRACTITIONER TO IMPLEMENT ALL SWPPP NEEDS ON SITE FOR THE DURATION OF CONSTRUCTION.
6. THE PLAN MAY NOT COVER ALL SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT AND SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. FABRIC-WRAPPED CINDER BLOCKS, SAND BAGS, FIBER ROLLS AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT CONTROL METHODS SHOWN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED.
8. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE AT ALL TIMES UNTIL VEGETATION IS ESTABLISHED ON DISTURBED SURFACES.
9. HYDROSEED AND INITIAL LANDSCAPE PLANTING SHALL BE IN-PLACE NO LATER THAN SEPTEMBER 15. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIAL WATERING OF AREAS TO ESTABLISH GROWTH AND STABILIZE SLOPES BY OCTOBER 1.
10. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT AND SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
11. ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED.
12. BEFORE ANY STOCKPILING OF SOILS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.
13. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY.
14. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES.
15. DURING PERIODS WHEN STORMS ARE FORECASTED, EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS, ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY, WHERE STOCKPILING IS NECESSARY, USE A TARPULIN OR SURROUND THE STOCKPILED MATERIAL WITH STRAW BALES, SILT FENCE, OR OTHER RUNOFF CONTROLS; USE INLET CONTROLS FOR STORM DRAINS ADJACENT TO THE STOCKPILED; AND PROVIDE SWEEPING EQUIPMENT TO REMOVE SOILS FROM DRIVEWAYS AND PLACEMENT.
16. DURING PERIODS WHEN STORMS ARE NOT FORECASTED, PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM; THOROUGHLY REMOVE LOOSE SOIL VIA SWEEPING FOLLOWING REMOVAL OF DIRT.
17. OPEN SPACE AREAS ARE TO BE PLANTED BY SEPTEMBER 15. IF THIS CONDITION IS NOT MET, CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
18. DURING CONSTRUCTION, THE MAINTENANCE OF SUMMERTIME DRAINAGE THROUGH THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION, MAINTAIN SITE TO DRAIN END OF EVERY SHIFT.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH WORKING DAY.
20. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DURING GRADING OPERATION, BEFORE OCTOBER 1 AND PRIOR TO INSTALLATION OF STORM DRAINAGE SYSTEM. SUCH ADDITIONAL MEASURES WILL BE CONTINGENT UPON THE STAGE OF GRADING OPERATION.
21. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND MAKE ALL NECESSARY REPAIRS AFTER EACH STORM EVENT AND/OR AS NEEDED.
22. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ONTO ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND DESIGNATING AREAS FOR SOIL AND CONSTRUCTION MATERIALS STORAGE, AND WASTE COLLECTION AREAS. AREAS ARE TO BE COVERED AND SURROUNDED BY EARTHEN BARRIERS OR OTHER EROSION CONTROL MEASURES.
24. VACUUM SAW-CUTTING SLURRY IMMEDIATELY AND REMOVE FROM SITE. DO NOT ALLOW SAW-CUT SLURRY TO ACCUMULATE ON SURROUNDING PAVEMENT OR ENTER THE STORM WATER CONVEYANCE SYSTEM.

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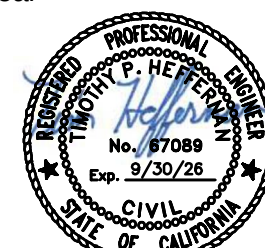


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Date:	01/06/2026
Revision Schedule	
No.	Date
Description	

Project No:	25007
Sheet Title:	

EROSION CONTROL PLAN AND DETAILS

Scale: As indicated

Sheet No:

C3.0

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DEMOLITION SITE LEGEND

EXISTING LANDSCAPE

EXISTING WALKWAYS

EXISTING TREE TO
BE DEMOLISHED,
SEE CIVIL
DRAWINGS

EXISTING TREE TO
REMAIN, PROTECT
IN PLACE, SEE CIVIL
DRAWINGS

DEMO FENCING AND GATE

DEMO ENTIRE FACILITY
(PLAY STRUCTURE,
LANDSCAPE, HARDSCAPE,
& OTHER VEGETATION),
SEE CIVIL DRAWINGS

DEMOLITION GENERAL NOTES

- DEMOLITION PLANS INDICATE SOME OF THE SCOPE OF WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.
- CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO DEMOLITION ACTIVITIES AND WORK.
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY UNFORESEEN CONDITIONS IN WRITING.
- CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK. PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
- CONTRACTOR SHALL NOT SCALE DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, TEMPORARY BRACING, AND OR TEMPORARY SUPPORTS AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING STRUCTURE TO REMAIN AND OR EXISTING BUILDING ELEMENTS TO REMAIN.
- CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES AND WORK.
- CONTRACTOR SHALL REMOVE TRASH AND DEBRIS REGULARLY AS NECESSARY TO ELIMINATED INTERFERENCE WITH ROADS, STREET, WALKS, AND ALL OTHER ADJACENT FACILITIES.
- CONTRACTOR SHALL REMOVE TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST AND OR SOUND PARTITION BETWEEN CONSTRUCTION AREA AND AREAS NOT IN SCOPE AS NECESSARY. DEMOLITION ACTIVITIES SHALL BE PERFORMED SO AS TO PRODUCE MINIMAL DISTURBANCE TO EXISTING FACILITY AND OCCUPANTS (I.E. MINIMIZE EXCESSIVE AND PROLONGED NOISE LEVELS AND DUST).
- CONTRACTOR SHALL REPAIR, REPLACE, OR PATCH EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, CANOPIES, AND OR PARKING AREAS DAMAGED, MODIFIED, AND OR DISTURBED BY DEMOLITION WORK AT NO COST TO THE OWNER.
- ALL EXISTING EQUIPMENT THAT REMAINS SHALL BE PROTECTED DURING DEMOLITION AND OR CONSTRUCTION TO PREVENT DAMAGE. ANY DAMAGE TO REMAINING EXISTING EQUIPMENT SUSTAINED DURING DEMOLITION AND OR CONSTRUCTION SHALL BE EQUIVALENTLY REPLACED OR EQUIVALENTLY REPAIRED AT NO COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE TRAFFIC HANDLING MEASURES TO PROTECT THE GENERAL PUBLIC AT ALL TIMES, AS NECESSARY AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- DO NOT INTERRUPT EXISTING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
- WHEN UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE BEFORE PROCEEDING WITH DEMOLITION.
- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ELECTRIC, GAS, WATER, TELEPHONE, STORM SEWER, AND SANITARY SEWER FOR FIELD LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, CONTRACTOR SHALL IDENTIFY ALL ELECTRICAL CIRCUITS SERVICING THE AREA INVOLVED WITH THIS DEMOLITION. THOSE CIRCUITS SHALL THEN BE LOCKED OUT AND TAGGED OUT IF THEY DO NOT SERVICE ANY OF THE REMAINING BUILDING THOSE CIRCUITS WHICH ARE IDENTIFIED TO SERVICE BOTH THE AREA TO BE DEMOLISHED AND THE REMAINING BUILDING SHALL BE SPLIT SO AS TO KILL ALL ELECTRICAL POWER TO THE AREA TO BE DEMOLISHED WHILE MAINTAINING POWER TO THE REMAINDER OF THE BUILDING.
- CONTRACTOR SHALL RELOCATE UTILITIES AND EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW HVAC, ELECTRICAL, PLUMBING, AND TECHNOLOGY REQUIREMENTS FOR NEW WORK.
- PROTECT EXISTING SITE ELEMENTS AND EXISTING LANDSCAPING TO REMAIN. PROTECTION SHALL INCLUDE BUT NOT BE LIMITED TO EXISTING TREES AND OTHER EXISTING VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIAL OR EXCAVATED MATERIAL WITHIN DRIP LINES.
- CONTRACTOR SHALL REGRADE AND HYDROMULCH AREAS AFFECTED BY DEMOLITION.
- OWNER HAS RIGHT OF FIRST REFUSAL OF ALL ITEMS REMOVED AS PART OF THE SCOPE OF WORK, WHETHER IDENTIFIED AS SALVAGE OR NOT.
- NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD AND CLEAN CONDITION.
- ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE OWNER AS NECESSARY PRIOR TO THE DEMOLITION WORK OF THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER AS REQUIRED.
- REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING AND OR ADJACENT CONSTRUCTION AT NO COST TO THE OWNER.
- MAINTAIN ANY AND ALL EXISTING FIRE-RATED ASSEMBLIES THAT ARE TO REMAIN, AND THEIR ASSOCIATED FIRE-RATINGS, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED EXISTING FIRE-RATED OPENINGS, ALL ASSOCIATED EXISTING FIRE-RATED PENETRATIONS, AND ALL ASSOCIATED EXISTING FIRE-RATED FIRESTOPPING CONDITIONS.
- WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
- EXISTING WALLS (OR PORTIONS OF WALLS) TO BE REMOVED SHALL BE CUT FLUSH WHERE INTERSECTING WITH WALLS TO REMAIN. REMAINING WALLS TO BE PATCHED AND FINISHED SMOOTH.
- NEW OPENING TO BE CUT IN EXISTING WALLS SHALL BE SAW-CUT AT LOCATIONS INDICATED TO THE HEIGHT AND WIDTH INDICATED. NEW LINTELS SHALL BE INSTALLED TO SUPPORT EXISTING WALL CONSTRUCTION ABOVE AS INDICATED ON THE DRAWINGS, OR IF NOT INDICATED, AS REQUIRED FOR NEW WALL CONSTRUCTION PER STRUCTURAL DRAWINGS. COORDINATE LOCATIONS OF ALL NEW OPENINGS IN EXISTING WALLS AND PARTITIONS WITH ARCHITECTURAL PLANS.
- WHERE EXISTING WALL OPENINGS ARE TO BE NEWLY CLOSED-OFF, REMOVE ANY EXISTING OPENING FRAME AND PATCH AND REPAIR EXISTING WALL TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES, UNLESS NOTED OTHERWISE.
- WHERE EXISTING INTERIOR WALLS ARE REPLACED OR REMOVED, REMOVE MEPT SYSTEMS BACK TO PANEL, OR MECHANICAL ROOM, OR FARTHEST POSSIBLE POINT WITHOUT DISTURBING EXISTING CONSTRUCTION. REMOVE EXISTING MECHANICAL EQUIPMENT, RELOCATE POWER PER MEPT DRAWINGS.
- REFER TO MEPT DRAWINGS FOR DEMOLITION OF MEPT SYSTEMS. IDENTIFY WORK REQUIRED BY THIS CONTRACTOR WHICH MAY AFFECT DEMOLITION AND OR REPAIRS OF ARCHITECTURAL ELEMENTS. COORDINATE WITH RELATED SUBCONTRACTORS THE EXTENT OF ALL DEMOLITION WORK.
- PATCH FLOORS, WALLS, CEILINGS WHICH REMAIN AT LOCATIONS WHERE PIPES, CONDUITS, ETC. ARE REMOVED AS REQUIRED TO MATCH EXISTING CONDITIONS OR TO RECEIVE NEW FINISHES.
- WHERE EXISTING FINISH FLOOR IS REMOVED, PREPARE FLOOR SURFACE TO RECEIVE NEW FLOORING.
- ALL RED DASHED LINES ARE DEMOLITION LINES U.N.O.

KEYNOTES

NOTE	DESCRIPTION
04	(E) SHED, PROTECT IN PLACE
06	(E) STORM DRAIN INLET TO REMAIN, PROTECT IN PLACE
11	DEMO (E) PLAY STRUCTURE, AND ASSOCIATED PLAYMATTING AND FOOTING
12	DEMO (E) FENCING
17	(E) FENCING AROUND (E) MECHANICAL EQUIPMENT SHALL REMAIN
18	REMOVE (E) PLAY YARD STRIPING AND PREPARE FOR NEW STRIPING

DEMOLITION SITE PLAN

1" = 10'-0"

1

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**MONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

OSA No.	01-122742	
Project Status:	CD	
Date:	01/13/2026	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

DEMOLITION SITE
PLAN

Scale: As indicated
Sheet No:

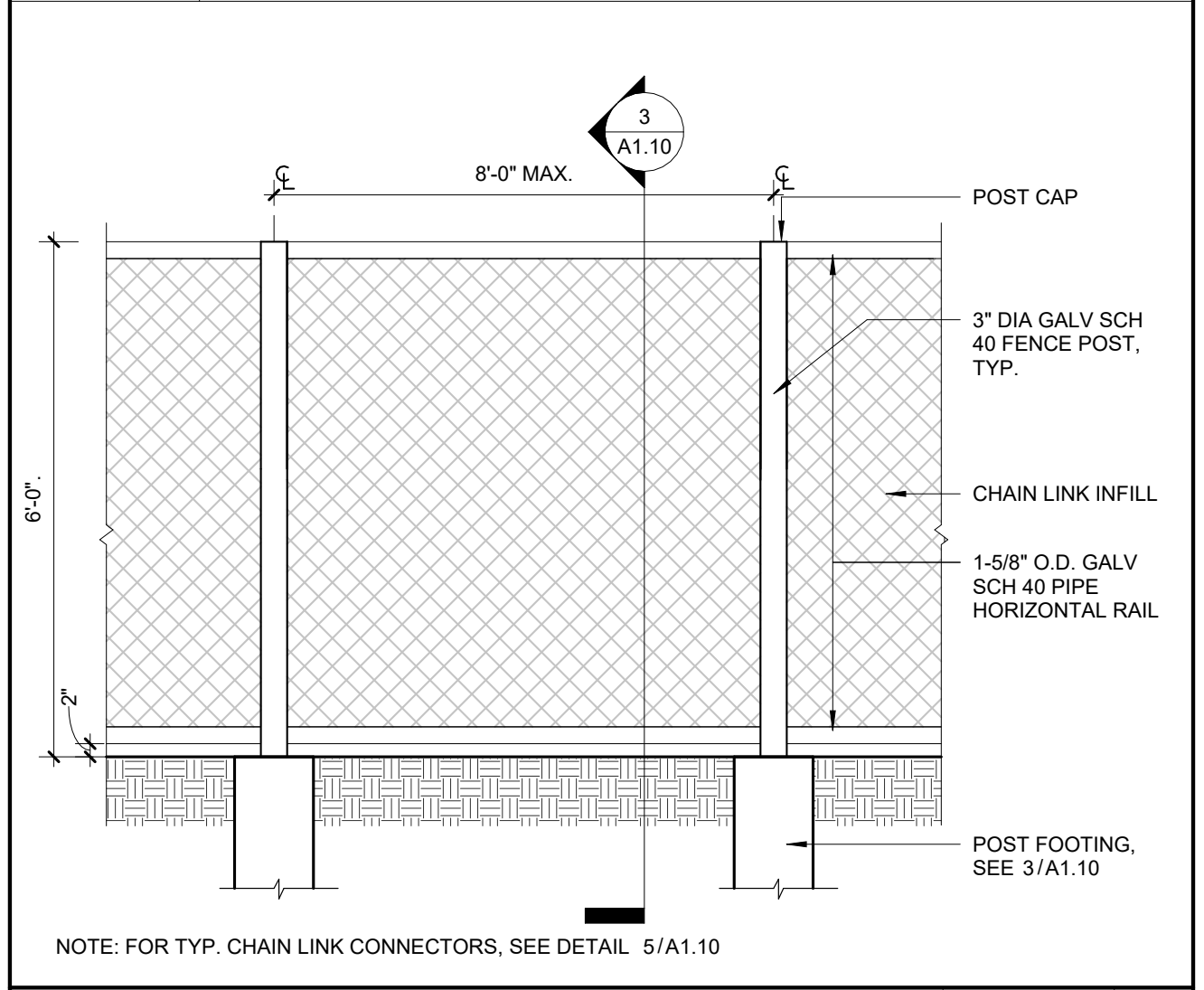
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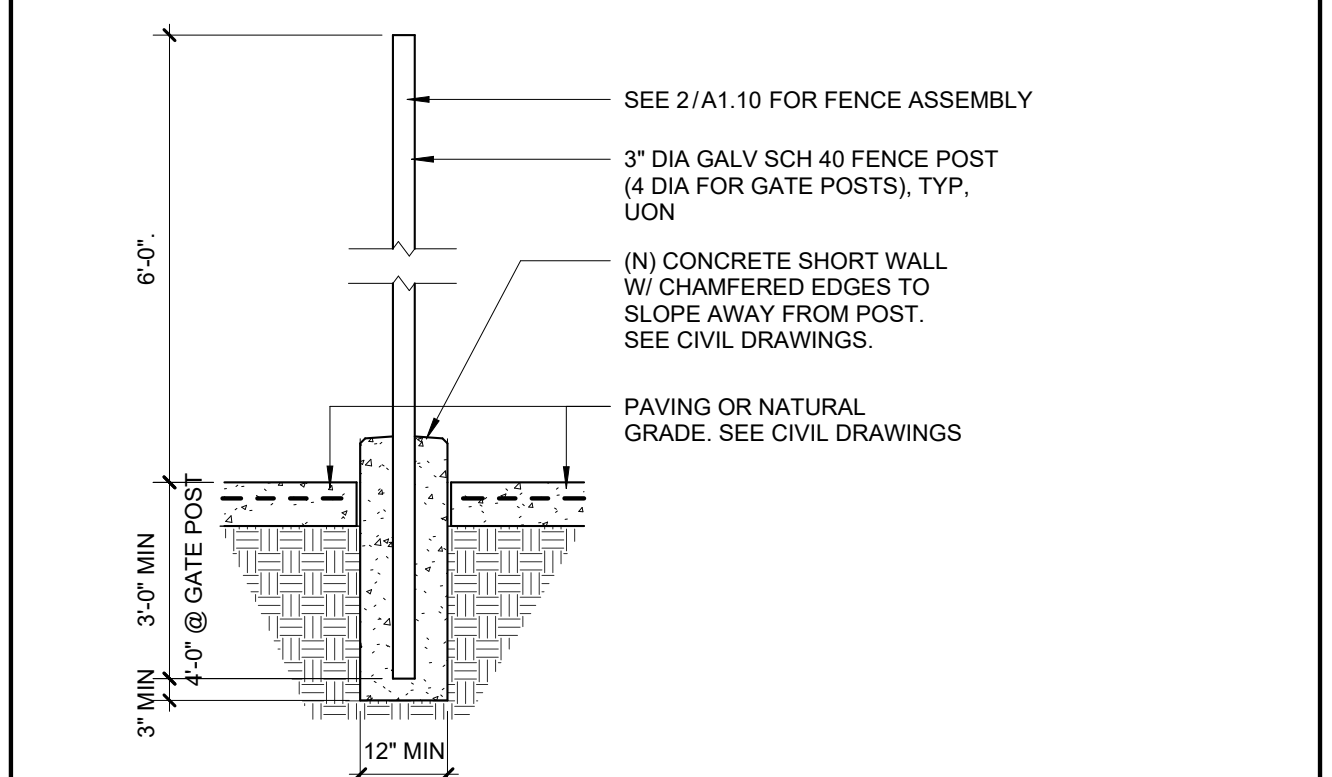
SITE PLAN LEGEND			
	(E) LANDSCAPING		(E) FIRE HYDRANT
	(E) CONCRETE PAVING		(N) CONCRETE PAVING, SEE CIVIL DRAWINGS
	(E) ASPHALT PAVING		(N) ASPHALT PAVING, SEE CIVIL DRAWINGS
	(E) FENCING TO REMAIN		(N) 6'-0" HIGH CHAIN LINK FENCING, SEE DETAIL 2/A1.10

- ### SITE PLAN GENERAL NOTES
- REFER TO CIVIL AND PC DRAWINGS FOR MORE INFORMATION.
 - COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH PC DRAWINGS, CIVIL, AND/OR STRUCTURAL DOCUMENTS.
 - REFER TO CIVIL DOCUMENTS FOR CONCRETE SIDEWALK EXPANSION JOINTS AND CONCRETE SIDEWALK CONTROL JOINTS.
 - VERIFY AND CONFIRM ALL JOINT LAYOUTS AT ALL CONCRETE SIDEWALKS WITH ARCHITECT PRIOR TO POURING OF CONCRETE.
 - PROVIDE AND INSTALL CONCRETE SIDEWALK EXPANSION JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT 50 FEET ON-CENTER MAX. U.N.O.
 - PROVIDE AND INSTALL CONCRETE SIDEWALK CONTROL JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT DISTANCES EQUIVALENT TO SIDEWALK WIDTH, BUT NOT TO EXCEED 10 FEET ON-CENTER MAX.
 - VERIFY ALL SITE SIGNAGE LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION OF SITE SIGNAGE.
 - FINAL KNOX BOX LOCATIONS TO BE DETERMINED BY CLIENT/OWNER AND/OR LOCAL FIRE MARSHAL.

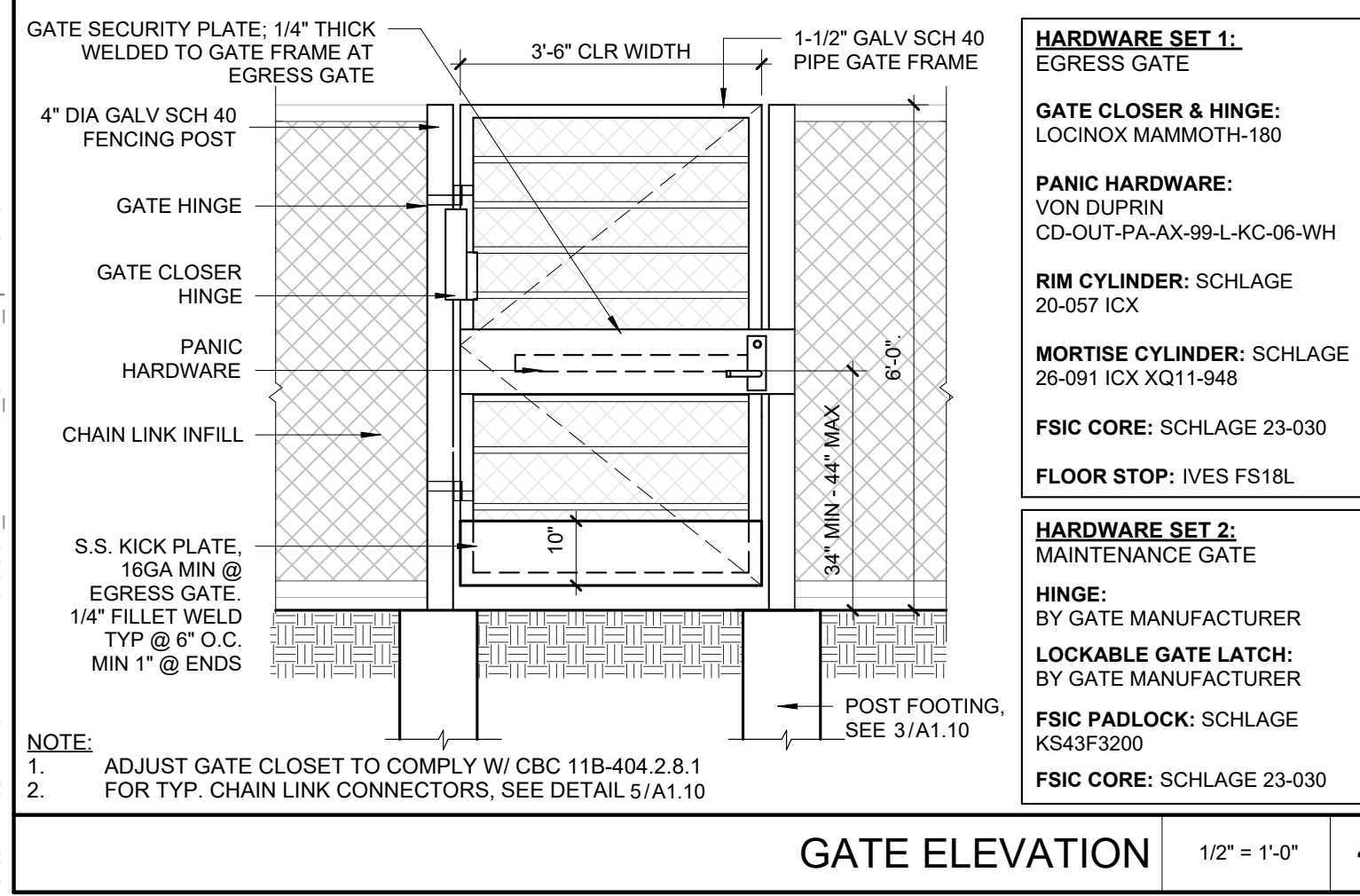
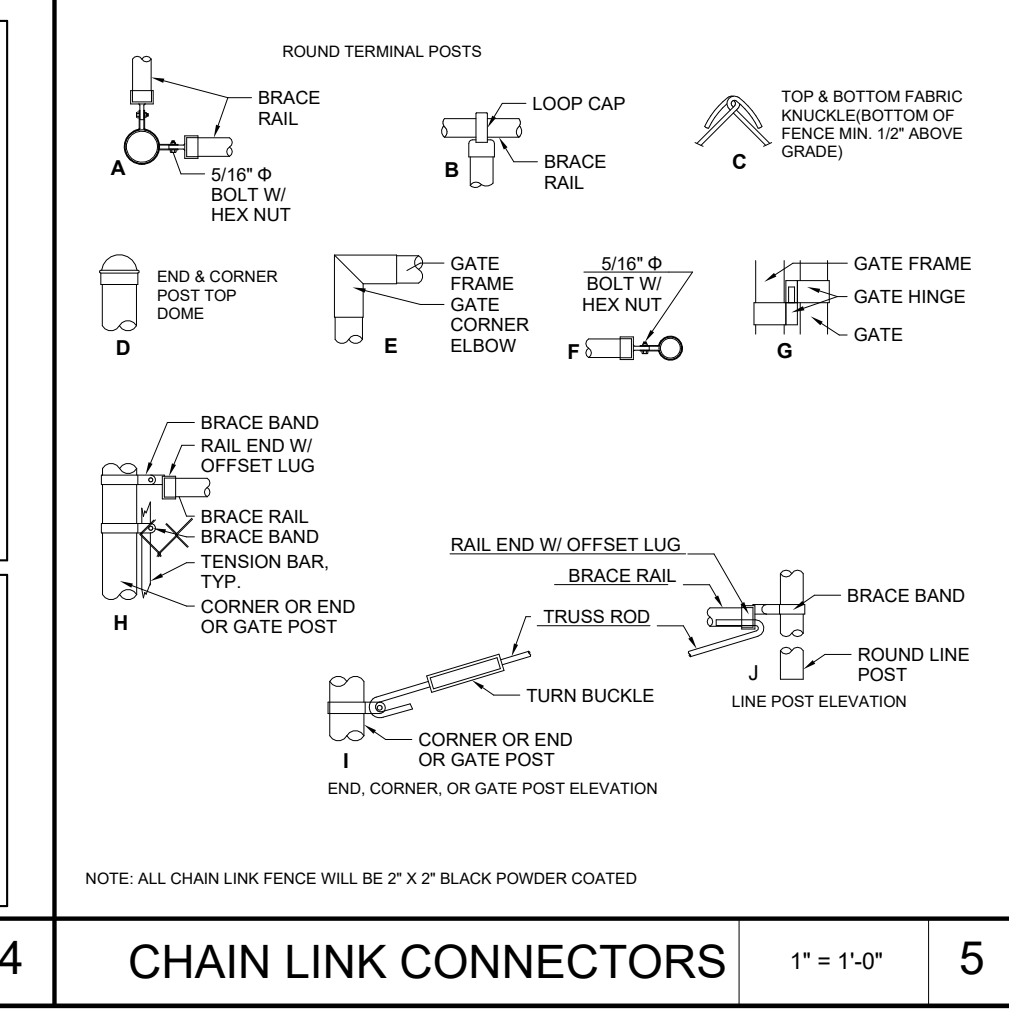
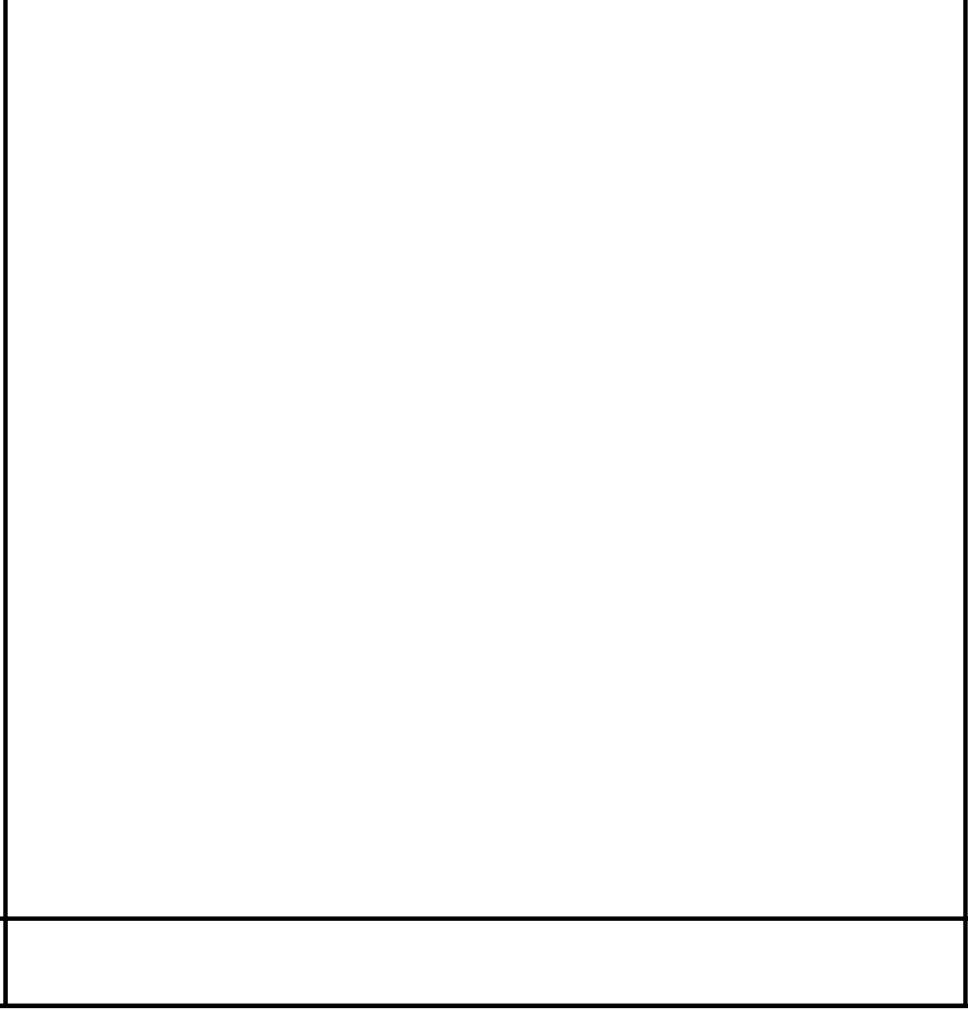
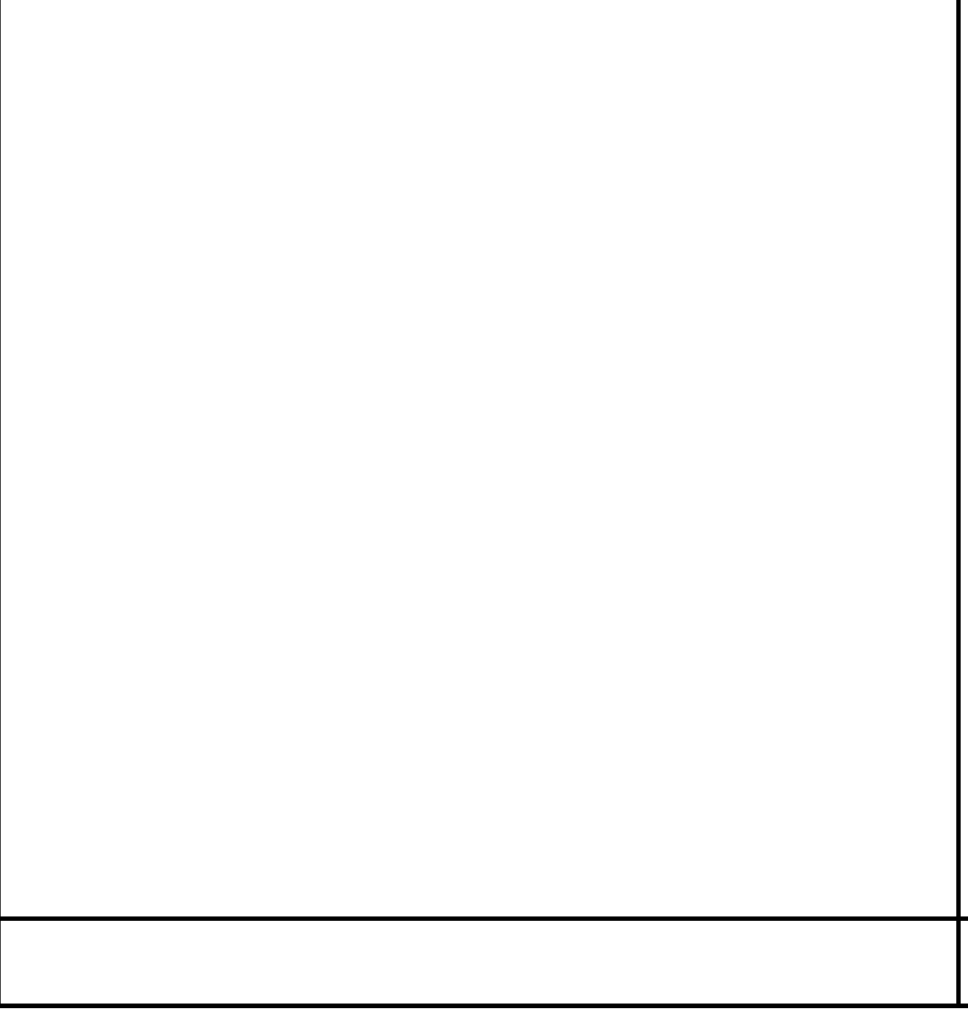
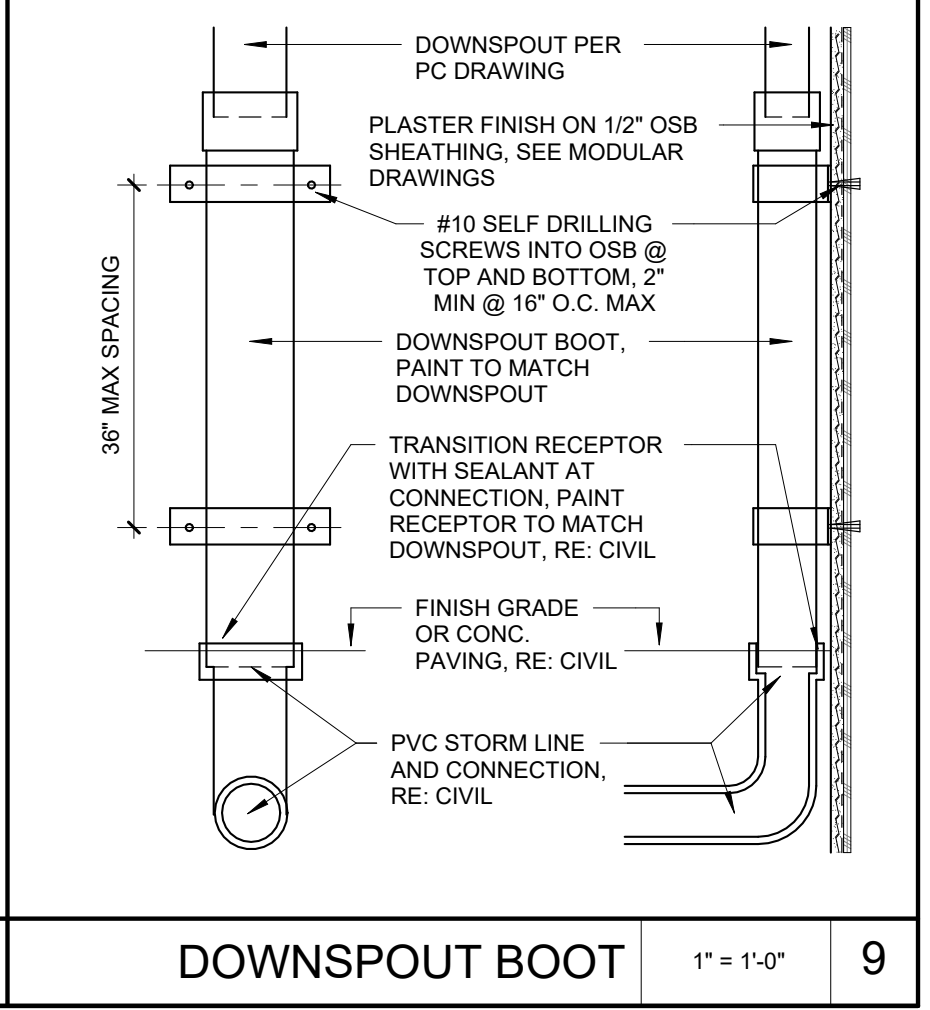
KEYNOTES	
NOTE	DESCRIPTION
06	(E) STORM DRAIN INLET TO REMAIN. PROTECT IN PLACE
09	(E) PLAY YARD STRIPING TO BE REINSTATED
21	(N) 3'-6" WIDE X 8'-0" HIGH CHAIN LINK GATE. SEE DETAIL 4/A1.10
23	60" X 60" MIN LANDING CLEARANCE AT PULL SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
23A	66" X 60" MIN LANDING CLEARANCE AT PULL SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
24A	54" X 48" MIN LANDING CLEARANCE AT PUSH SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
27	(N) ACCESSIBLE HI-LO DRINKING FOUNTAIN. SEE MODULAR MANUFACTURER DRAWINGS.



FENCE ELEVATION 1/2" = 1'-0" 2



FENCE SECTION 1/2" = 1'-0" 3



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MONTE VERDE ES TK BUILDING

2551 St Cloud Dr, San Bruno, CA 94066

DSA No. 01-122742

Project Status: CD

Date: 01/13/2026

Revision Schedule

No.	Date	Description
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Project No: 25007

Sheet Title:

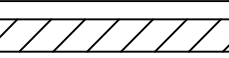
SITE PLAN

Scale: As indicated

Sheet No:

A1.10

GENERAL NOTES	
1	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.
2	EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
3	SEE ARCHITECTURAL DRAWINGS FOR ADA FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT AND COLD WATER AND DRAIN PIPING BELOW ADA LAVATORIES AND SINKS AND OFFSET P-TRAP AGAINST WALL. ALSO, ALL FLUSH VALVES SHALL BE TO WIDE SIDE OF STALL.)
4	TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
5	THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE IN THE NAME OF THE OWNER AND SHALL PAY ALL MATERIAL AND LABOR COSTS INCIDENTAL TO AN OPERABLE UTILITY SERVICE AS REQUIRED BY THE DESIGNATED GOVERNING AUTHORITIES OF THE CITY.
6	ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
7	THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND THE ELEC. LIGHTING LAYOUT.
8	THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS TO A POINT OF CONNECTION SHOWN ON FLOOR PLANS AND SHALL MEET THE INVERT ELEVATION AS FIELD VERIFIED WHILE MAINTAINING REQUIRED PIPE GRADE.
9	ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.
10	ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
11	CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AS MANUFACTURED BY JAY R. SMITH. WATER HAMMER ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS ON ALL DOMESTIC WATER BRANCH LINES SERVING FIXTURES.
12	ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
13	ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
14	CONTRACTOR SHALL COORDINATE LAYOUT OF ALL BELOW GRADE PIPING AND COMPONENTS WITH GENERAL CONTRACTOR PRIOR TO BID TO DETERMINE EXTENT OF REQUIRED SAW CUTTING, EXCAVATION, AND SUBSEQUENT REPAIR/RESTORATION OF ALL AFFECTED HARDSCAPE AND SOFTSCAPE SURFACES. ALL SUCH ITEMS SHALL BE INCLUDED IN BID.
15	BEFORE FABRICATION OR INSTALLATION THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
16	ALL POINTS OF CONNECTION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO BID.
17	ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
18	ALL VALVES, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
19	THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE A PART OF SEPARATE AND COMPLETE MECHANICAL SPECIFICATIONS.
20	CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A SIX INCH (6") SECTION OF RED BRASS PIPE.
21	ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
22	THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATIONS AND LOCATION OF EXISTING DRAINAGE SYSTEM PIPING PRIOR TO CONNECTION OF ANY PIPING.
23	ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH-IN SHALL BE STUBBED IN WALLS WHENEVER POSSIBLE.
24	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING TO REMAIN STRUCTURE AND NEW CONSTRUCTION DAMAGED BY HIS OPERATIONS.
25	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
26	ALL PATCHING AND REPAIRING OF CONCRETE PAVING AND/OR WALKS SHALL BE UNDER ANOTHER SECTION OF THE SPECIFICATIONS.
27	ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR AT NO COST TO THE OWNER.
28	ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
29	ALL PIPING, EXCEPT PIPING OF NONFERROUS MATERIAL, INSTALLED WITHIN THE GROUND SHALL BE PROTECTED AGAINST CORROSION BY A PROTECTIVE COVERING SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. ANY PIPING SUBJECT TO UNDUE CORROSIVE ACTION SHALL BE PROTECTED IN A MATTER SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
30	ALL PENETRATIONS AND OPENINGS IN PARTY WALLS AND ROOF/FLOOR/CEILING ASSEMBLIES DUE TO PLUMBING WORK SHALL BE SEALED LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE REQUIRED FIRE AND SOUND RATING.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
—————	W	SANITARY WASTE/SEWER PIPING
——GW——	GW	GREASE WASTE PIPING
——SD——	SD	STORM DRAIN PIPING
——OFD——	OFD	OVERFLOW DRAIN PIPING
— - - - -	V	WASTE/SANITARY VENT PIPING
——GV——	GV	GREASE VENT PIPING
		DEMO FIXTURE/PIPING
———(E)W———	(E)W	EXISTING SANITARY SEWER PIPING
———(E)V———	(E)V	EXISTING SANITARY VENT PIPING
———CW———	CW	DOMESTIC COLD WATER PIPING
———HW———	HW	DOMESTIC HOT WATER PIPING
———HWR———	HWR	DOMESTIC HOT WATER RETURN PIPING
———(E)CW———	(E)CW	EXISTING COLD WATER PIPING
———(E)HW———	(E)HW	EXISTING HOT WATER PIPING
———(E)HWR———	(E)HWR	EXISTING HOT WATER RETURN PIPING
——G——	G	NATURAL GAS PIPING
——MPG——	MPG	MEDIUM PRESSURE NATURAL GAS PIPING
——G——	(E)G	EXISTING NATURAL GAS PIPING
——MPG——	(E)MPG	EXISTING MEDIUM PRESSURE NATURAL GAS PIPING
——CD——	CD	CONDENSATE DRAIN PIPING
C		PIPE GOING DOWN
O		PIPE GOING UP
⌋		TEE
Φ ●	FCO	FLOOR CLEANOUT/CLEANOUT TO GRADE
∞		P-TRAP
	POC	POINT OF CONNECTION
⏏	WCO	WALL CLEANOUT
⌐		PIPE CAP
—+—	HB	HOSE BIBB
⋈	SOV	SHUT-OFF VALVE
	SOVAP	SHUT-OFF VALVE BEHIND ACCESS PANEL
	SOVYB	SHUT-OFF VALVE IN YARD BOX
		PLUG VALVE
	BV	BALANCING VALVE/CIRCUIT SETTER
		GAS COCK VALVE
		PRESSURE REDUCING VALVE
⌋		CHECK VALVE
	FD	FLOOR DRAIN
	FS	FLOOR SINK
XX.X		EQUIPMENT OR FIXTURE
	CONT.	CONTINUED/CONTINUATION
	DFM	DISTANCE FROM METER
	FR.	FROM
	BEL.	BELOW
	DN.	DOWN
	VTR	VENT THROUGH ROOF
	AP	ACCESS DOOR
	NIC	NOT IN CONTRACT
	REF.	REFERENCE
	S.A.D.	SEE ARCHITECTURAL DRAWINGS
	S.M.D.	SEE MECHANICAL DRAWINGS
	S.C.D.	SEE CIVIL DRAWINGS
	S.S.D.	SEE STRUCTURAL DRAWINGS
	SF	SQUARE FEET
LIST OF APPLICABLE CODES		
LIST OF CODES AND STANDARDS MODEL CODE EDITIONS EFFECTIVE JANUARY 1, 2023		
2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME #1 AND #2		
2022 CA ELECTRICAL CODE TITLE 24 PART 3		
2022 CA MECHANICAL CODE TITLE 24 PART 4		
2022 CA PLUMBING CODE TITLE 24 PART 5		
2022 CA FIRE CODE TITLE 24 PART 9		
2022 CA GREEN BUILDING STANDARDS TITLE 24 PART 11		



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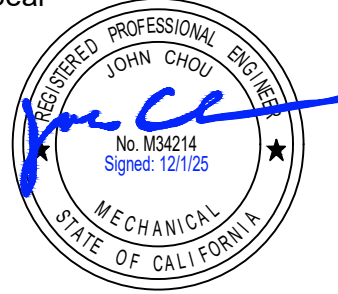
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Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

PLUMBING:GENERAL
NOTES AND LEGEND

Scale: NONE
Sheet No:

P0.01



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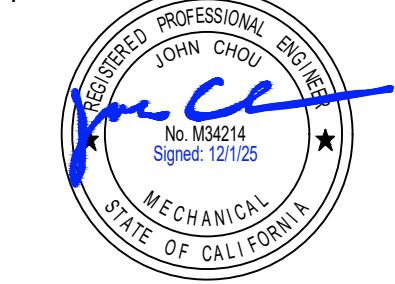
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**ONTE VERDE ES TK
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Division Schedule

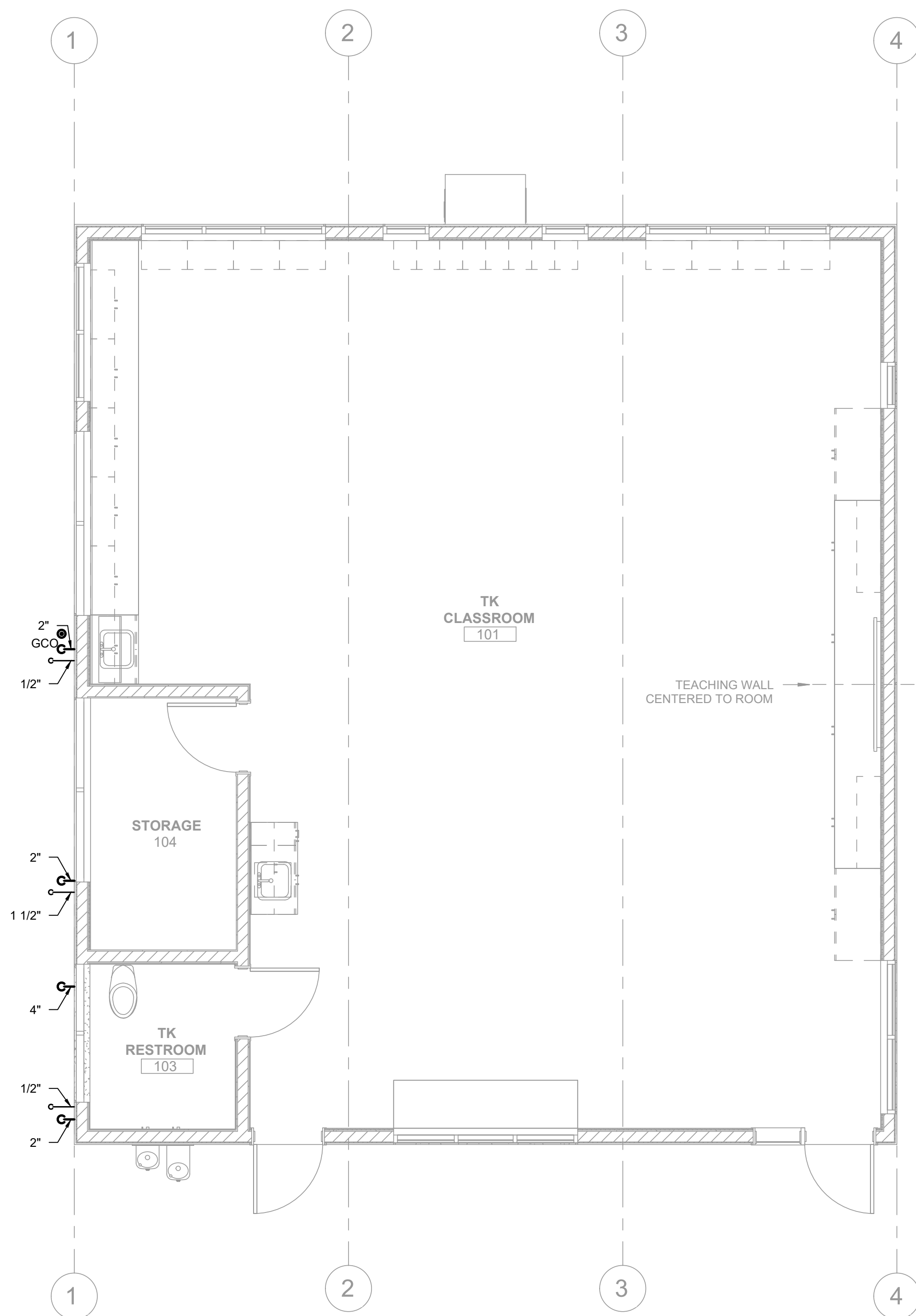
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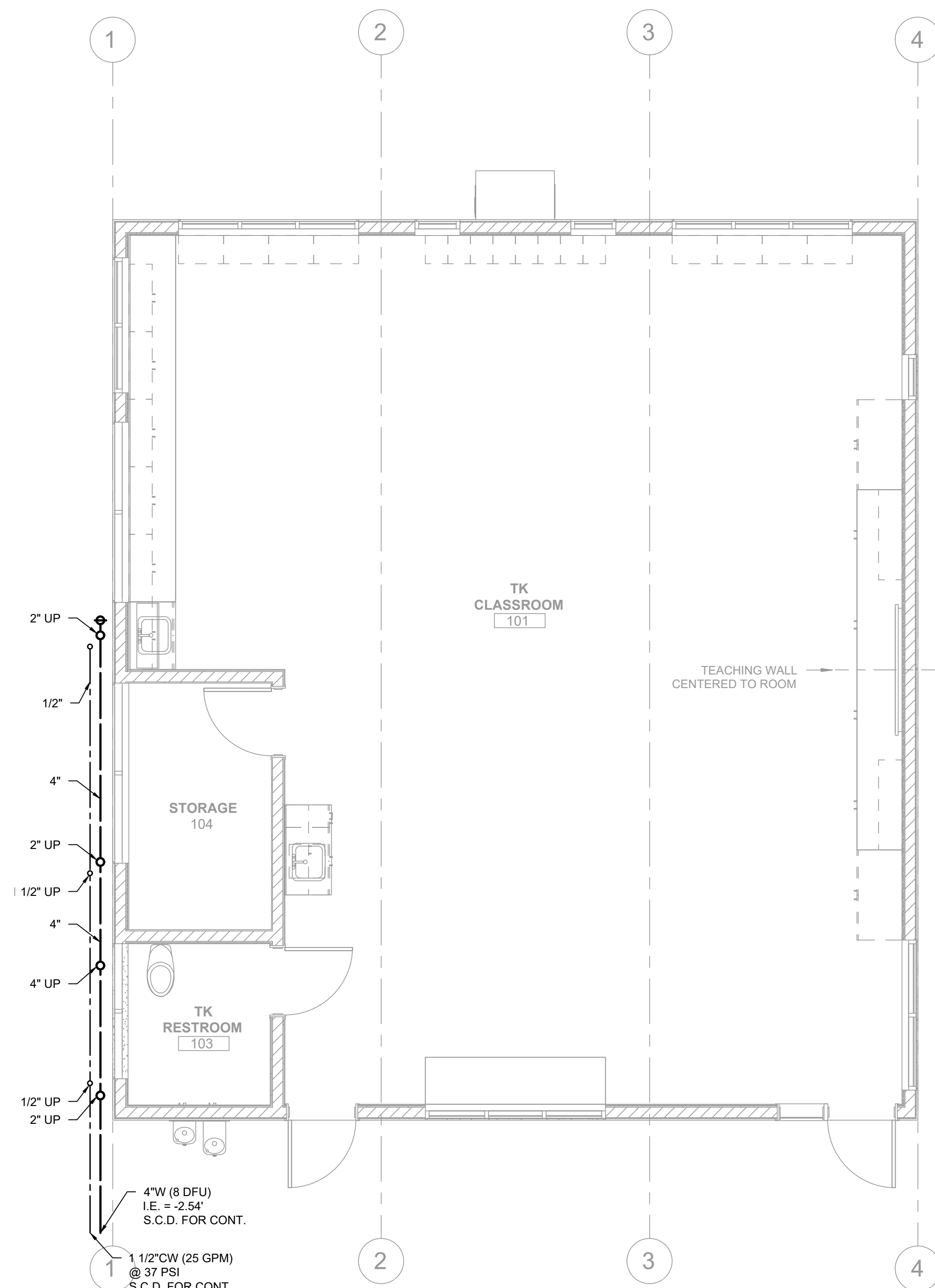
PLUMBING: FLOOR PLANS

le: $1/4'' =$
et No:

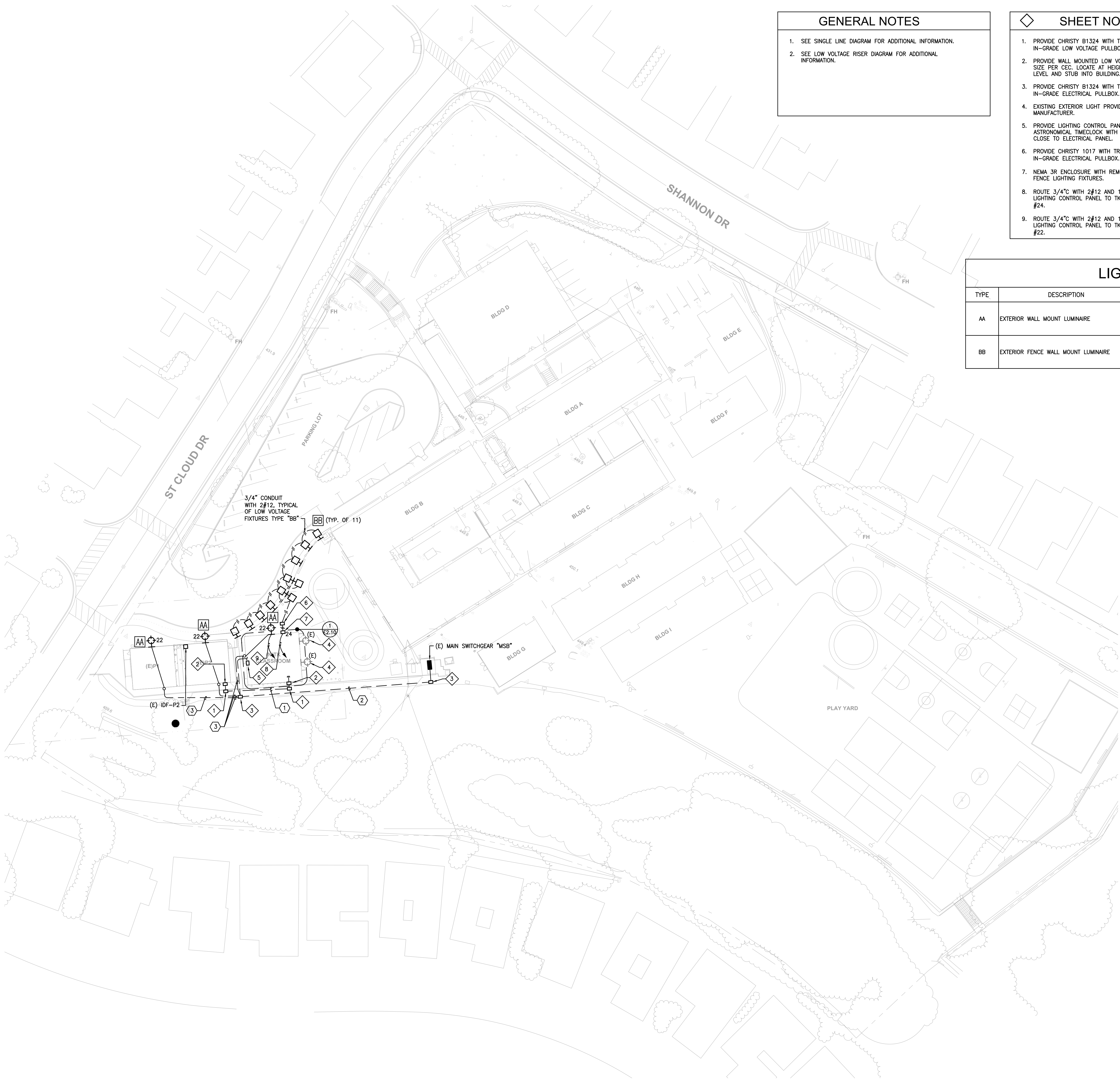
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2 FLOOR PLAN



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



GENERAL NOTES

1. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. SEE LOW VOLTAGE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SHEET NOTES

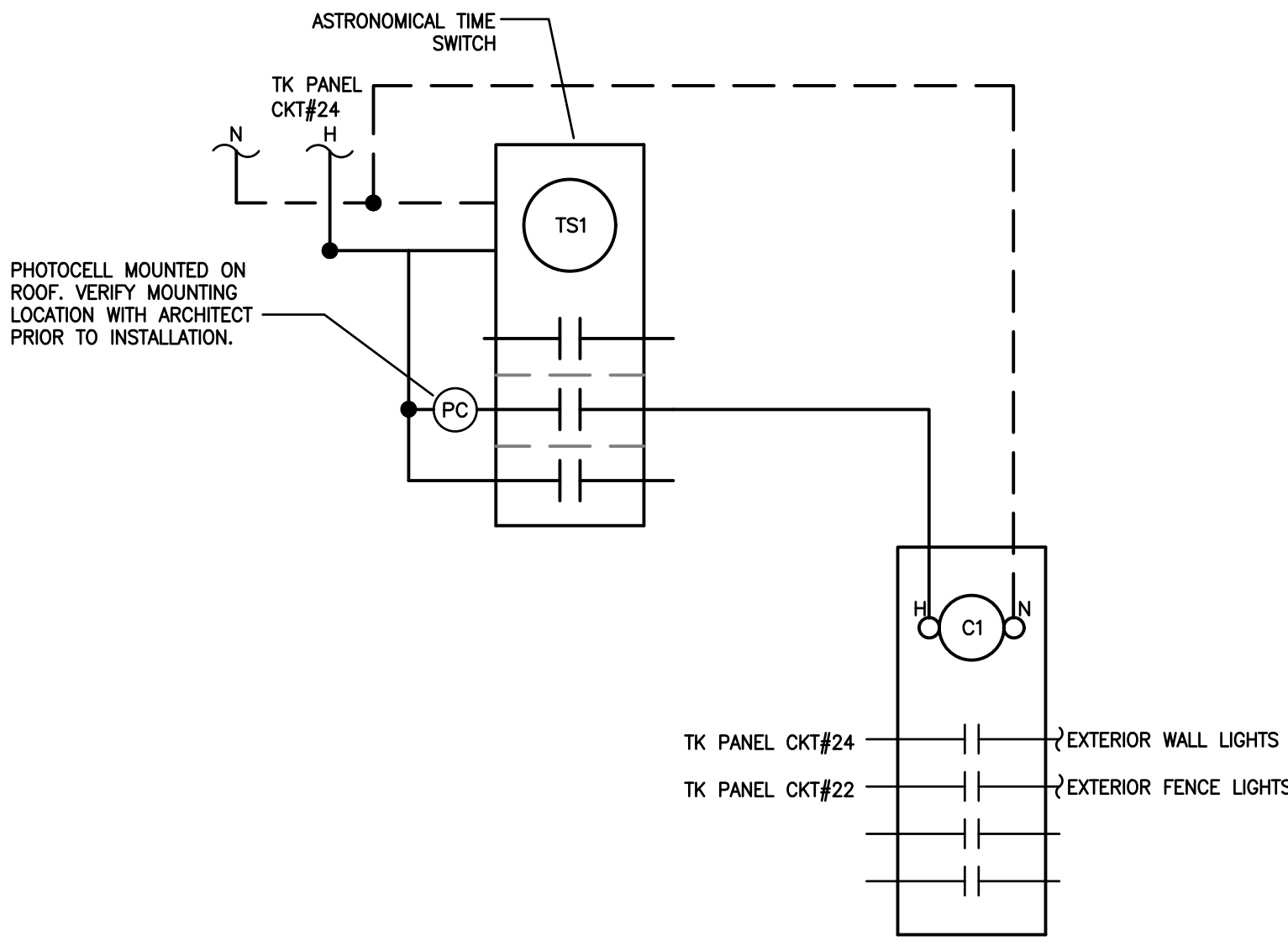
1. PROVIDE CHRISTY B1324 WITH TRAFFIC RATED LID FOR IN-GRADE LOW VOLTAGE PULLBOX. LABEL LID "LOW VOLTAGE".
2. PROVIDE WALL MOUNTED LOW VOLTAGE NEMA 3R PULL CAN. SIZE PER CEC. LOCATE AT HEIGHT ABOVE ACCESSIBLE CEILING LEVEL AND STUB INTO BUILDING.
3. PROVIDE CHRISTY B1324 WITH TRAFFIC RATED LID FOR IN-GRADE ELECTRICAL PULLBOX. LABEL LID "ELECTRICAL".
4. EXISTING EXTERIOR LIGHT PROVIDED BY MODULAR MANUFACTURER.
5. PROVIDE LIGHTING CONTROL PANEL – INTERMATIC, ASTRONOMICAL TIMECLOCK WITH PHOTOCELL CONTROL. LOCATE CLOSE TO ELECTRICAL PANEL.
6. PROVIDE CHRISTY 1017 WITH TRAFFIC RATED LID FOR IN-GRADE ELECTRICAL PULLBOX. LABEL LID "ELECTRICAL".
7. NEMA 3R ENCLOSURE WITH REMOTE DRIVER FOR TYPE "BB" FENCE LIGHTING FIXTURES.
8. ROUTE 3/4" C WITH 2#12 AND 1#12 GROUND THROUGH LIGHTING CONTROL PANEL TO TK ELECTRICAL PANEL CIRCUIT #24.
9. ROUTE 3/4" C WITH 2#12 AND 1#12 GROUND THROUGH LIGHTING CONTROL PANEL TO TK ELECTRICAL PANEL CIRCUIT #22.

SHEET NOTES

1. NEW (2) 2" C – DATA
2. NEW (1) 1-1/2" C – POWER
3. NEW (1) 1" C – LIGHTING

LIGHTING FIXTURES SCHEDULE

TYPE	DESCRIPTION	MFR/MODEL	LAMP	REMARKS
AA	EXTERIOR WALL MOUNT LUMINAIRE	INVUE LIGHTING – #CCW-VA2-730-U-T2-FINISH-WPSXX-B3/CCXX	41WATTS, 3000K	PROVIDE WITH MOTION CONTROL SENSOR TO REDUCE LIGHTING BY 50% WHEN UNOCCUPIED PER TITLE 24 REQUIREMENTS.
BB	EXTERIOR FENCE WALL MOUNT LUMINAIRE	KLIK USA LIGHTING – LPMISTKO28-REC-30K-A-2.0W-FLD-FLT-FINISH-REMOTE DRIVER	2WATTS, 3000K	PROVIDE 40WATT REMOTE BATTERY. PROVIDE EXTERIOR NEMA 3R ENCLOSURE ACCESSORY FOR REMOTE DRIVER



2 LIGHTING CONTROL PANEL
N.T.S.

1 SITE ELECTRICAL PLAN

SCALE: 1" = 30'-0"



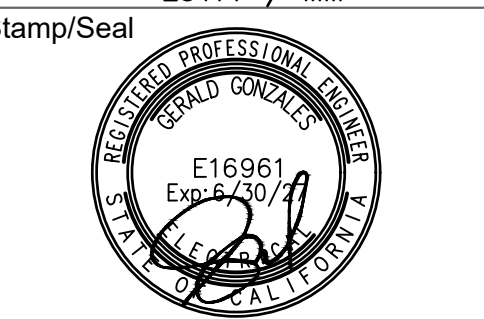
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25177 / MM



MONTE VERDE ES TK BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

Date: 10/20/2025
Revision Schedule
No. Date Description

Project No: 25007
Sheet Title:

SITE ELECTRICAL PLAN

Scale: As indicated
Sheet No:

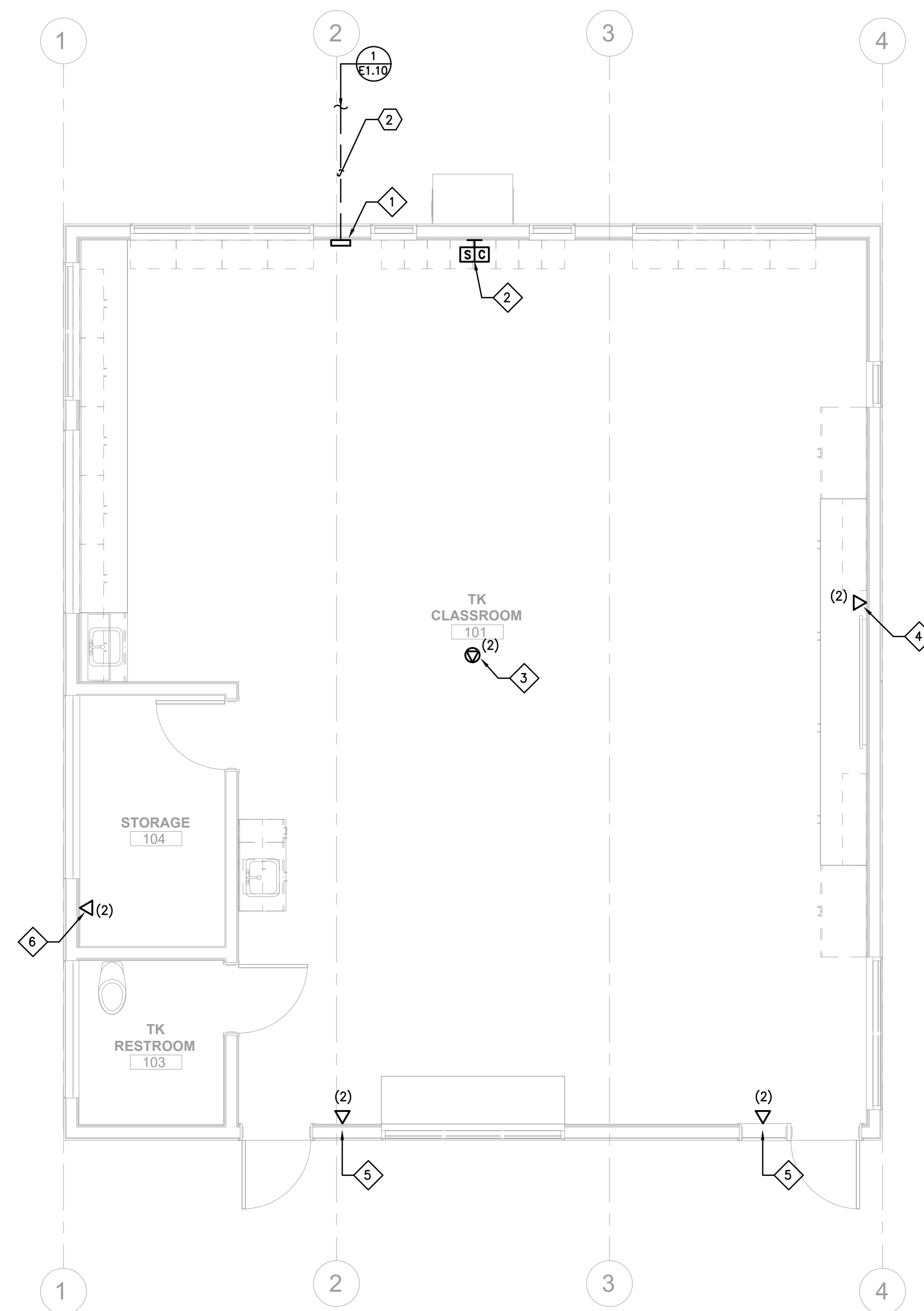
E1.10

1. EXISTING ELECTRICAL PANEL, BY PORTABLE MANUFACTURER.
2. NEW PA SPEAKER/MESSAGE BOARD COMBO. MATCH DISTRICT STANDARD.
3. NEW 2--DROP CAT6A DATA OUTLET, CEILING MOUNTED FOR WIFI.
4. NEW 2--DROP CAT6A DATA OUTLET AT 15" AFF FROM BOTTOM OF BOX, UO/N.
5. NEW 1--DROP CAT6A DATA OUTLET, WALL MOUNTED FOR FUTURE SECURITY CAMERA. PROVIDE 3" COIL TO EXTEND TO CAMERA LOCATION. COORDINATE WITH DISTRICT FOR EXACT HEIGHT AND LOCATION.
6. NEW 2--DROP CAT6A DATA OUTLET, WALL MOUNTED FOR FUTURE PROVISIONS. PROVIDE 3" COIL TO EXTEND TO FUTURE LOCATION. COORDINATE WITH DISTRICT FOR EXACT HEIGHT AND LOCATION.

1. EXISTING ELECTRICAL PANEL, BY PORTABLE MANUFACTURER.
2. NEW PA SPEAKER/MESSAGE BOARD COMBO. MATCH DISTRICT STANDARD.
3. NEW 2--DROP CAT6A DATA OUTLET, CEILING MOUNTED FOR WIFI.
4. NEW 2--DROP CAT6A DATA OUTLET AT 15" AFF FROM BOTTOM OF BOX, UO/N.
5. NEW 1--DROP CAT6A DATA OUTLET, WALL MOUNTED FOR FUTURE SECURITY CAMERA. PROVIDE 3" COIL TO EXTEND TO CAMERA LOCATION. COORDINATE WITH DISTRICT FOR EXACT HEIGHT AND LOCATION.
6. NEW 2--DROP CAT6A DATA OUTLET, WALL MOUNTED FOR FUTURE PROVISIONS. PROVIDE 3" COIL TO EXTEND TO FUTURE LOCATION. COORDINATE WITH DISTRICT FOR EXACT HEIGHT AND LOCATION.

1. NOT USED.
2. NEW (1) 1-1/2" C - POWER

1. NOT USED.
2. NEW (1) 1-1/2" C - POWER



1 FLOOR PLAN



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amp/Seal



**MONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

Due Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No:	25007
Sheet Title:	

ENLARGED
ELECTRICAL
PLAN

Scale:	As indicated
Sheet No:	

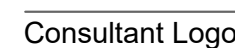
E2.10



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No.	Date
	Description

Project No:	25007
Sheet Title:	

SINGLE LINE DIAGRAM

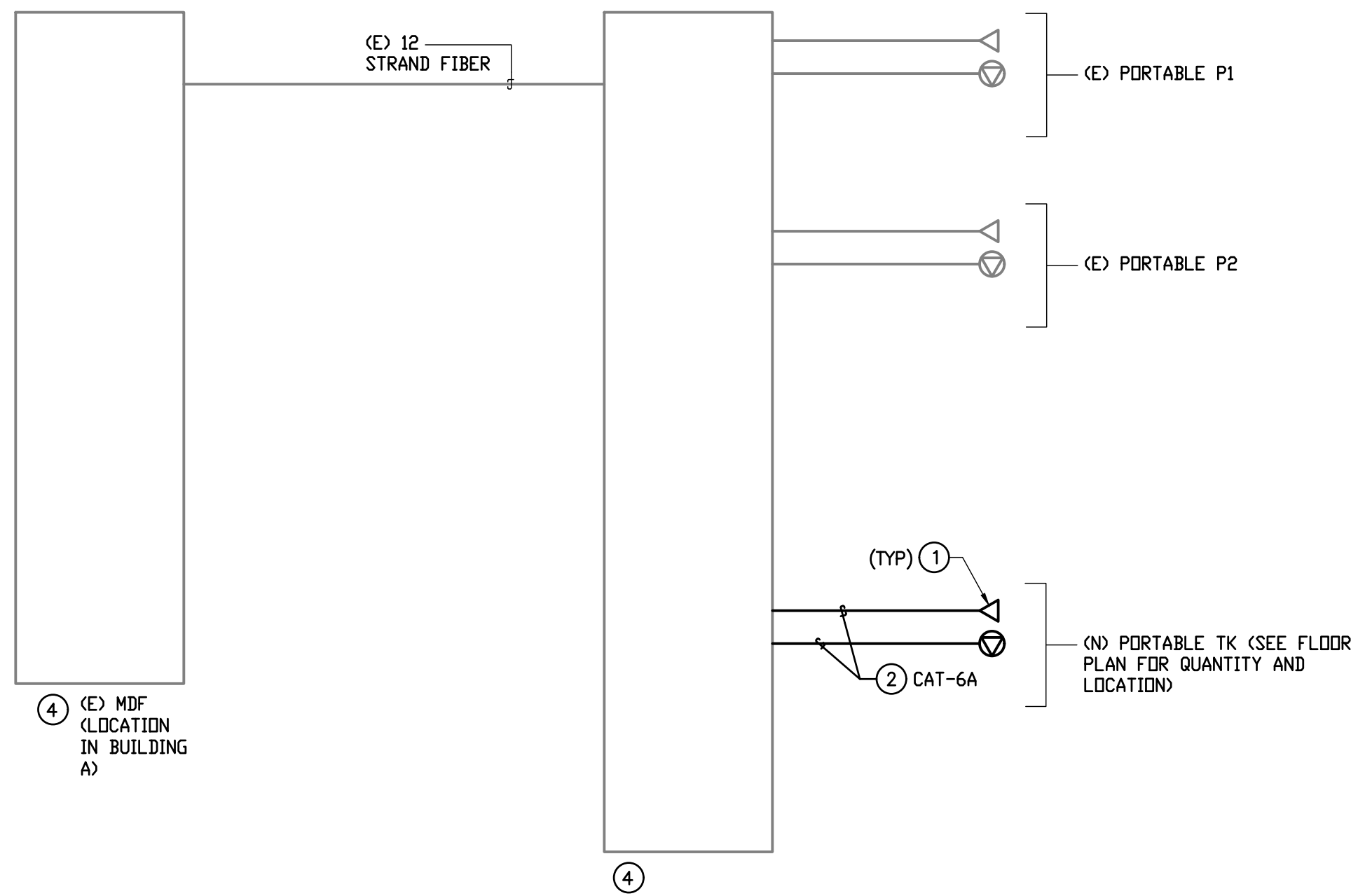
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Sheet No:

E3.10

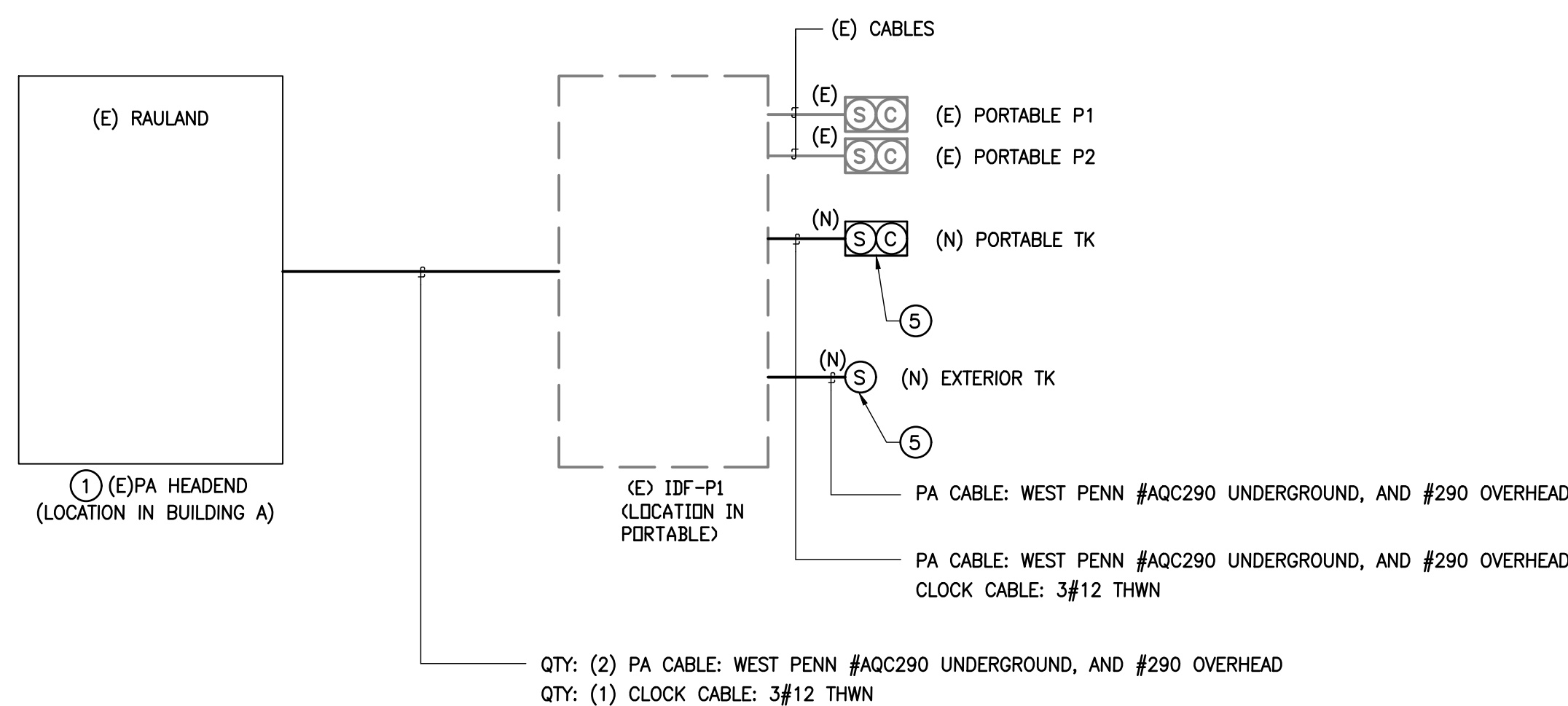


- ① NEW DATA OUTLET. SEE FLOOR PLAN FOR LOCATION AND QUANTITY.
- ② PROVIDE NEW CAT-6A CABLES BETWEEN NEW DATA OUTLETS AND NEW IDF. TERMINATE CABLES AT DATA OUTLET DEVICE AND IDF TERMINALS AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM. SEE FLOOR PLANS FOR QUANTITY AND LOCATION OF CABLES.
- ③ NOT USED.
- ④ COORDINATE WITH DISTRICT IT REPRESENTATIVE AND PROVIDE ALL CONNECTIONS / PROGRAMMING AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ⑤ ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
- ⑥ NOT USED.
- ⑦ NOT USED.



1 DATA RISER DIAGRAM 5

- ① PROVIDE ALL PROGRAMMING REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM
- ② ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
- ③ NOT USED.
- ④ PROVIDE WIRING DIAGRAM AS PART OF SUBMITTAL PACKAGE.
- ⑤ PROVIDE NEW CLOCK/SPEAKER AND EXTERIOR SPEAKERS PER DISTRICT STANDARD.
- ⑥ FIELD VERIFY EXISTING CABLE IN ORDER TO MATCH EXISTING STANDARD. NOTIFY ARCHITECT AND OWNER IF FIELD VERIFICATION YIELDS DIFFERENT CONDITIONS THAN WHAT IS SHOWN IN DESIGN DOCUMENTS.



2 PA SPEAKER RISER DIAGRAM 2 4 6



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**ONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

Date:	10/20/2025
Revision Schedule	
No.	Date
	Description

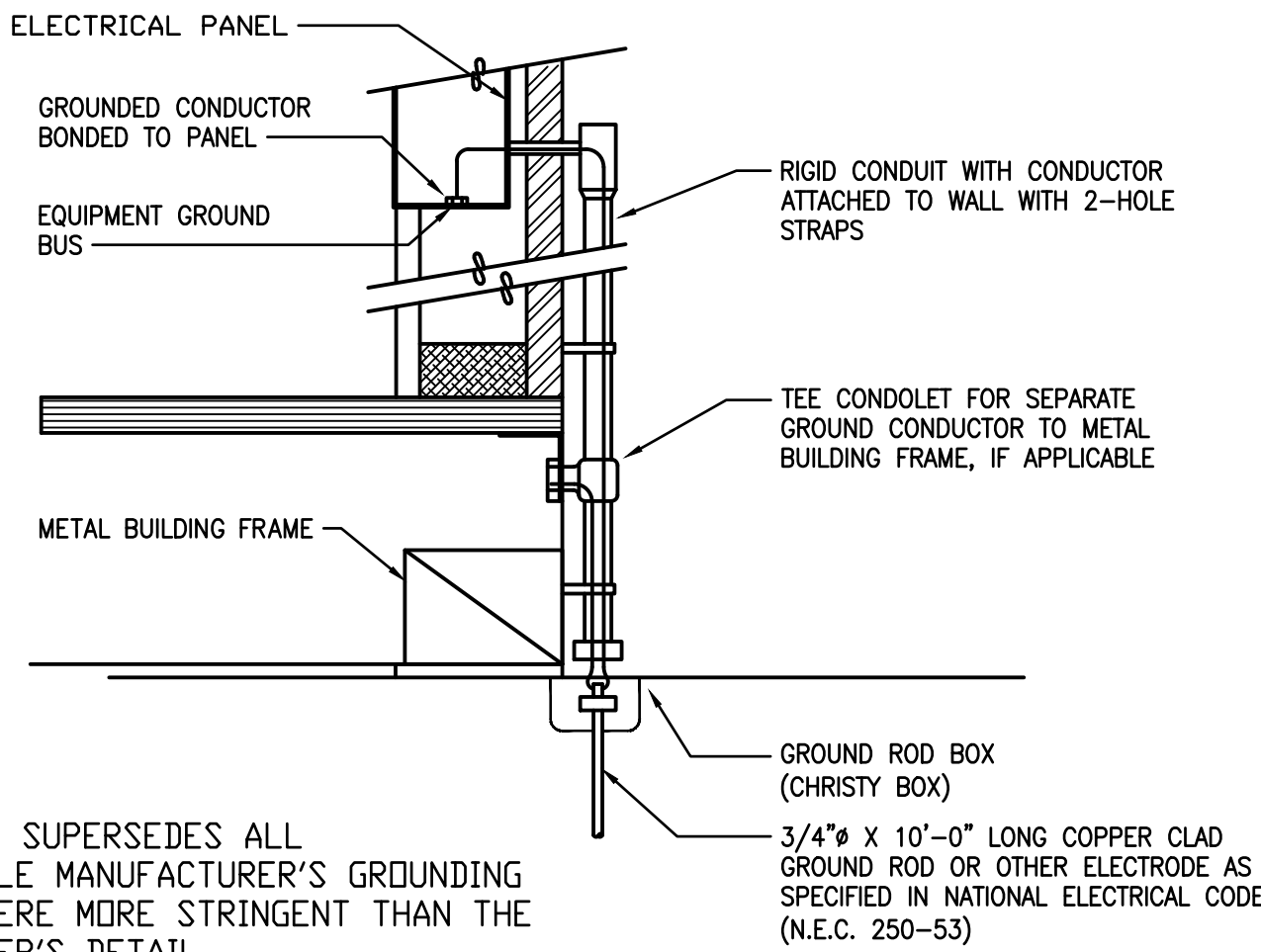
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LOW VOLTAGE RISER DIAGRAM

Scale: As indicated

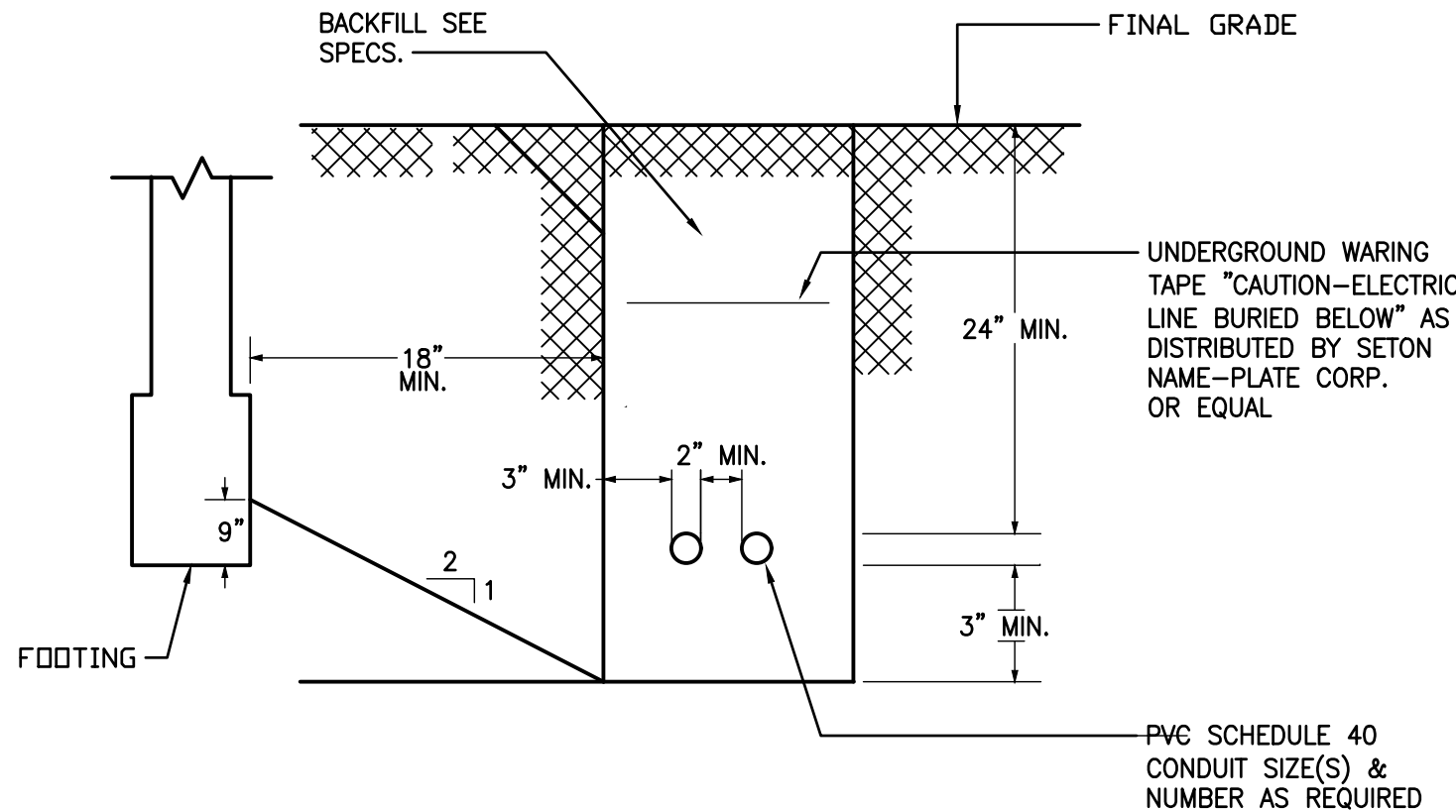
Sheet No:

E4.10

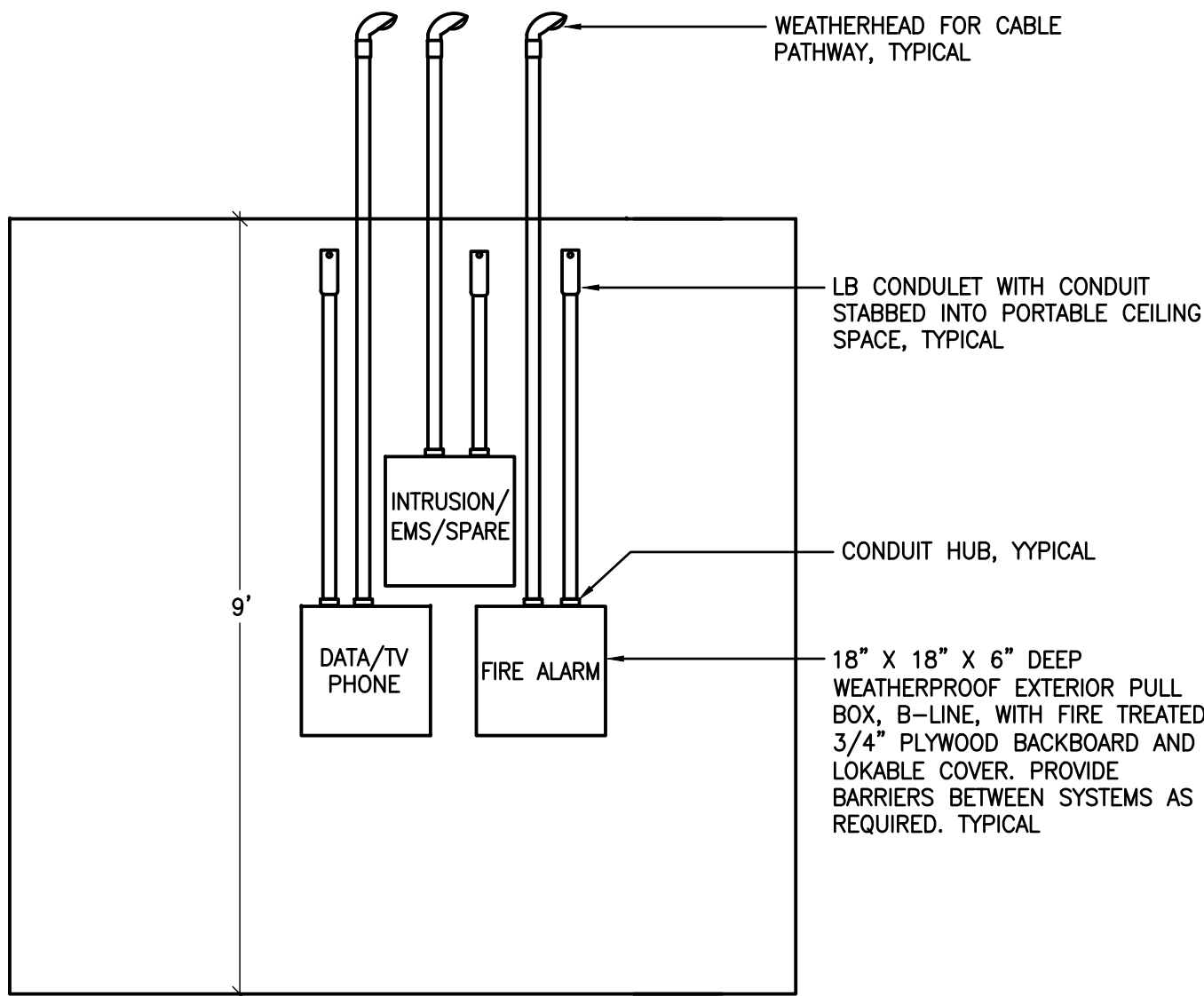


THIS DETAIL SUPERSEDES ALL RELOCATABLE MANUFACTURER'S GROUNDING DETAILS WHERE MORE STRINGENT THAN THE MANUFACTURER'S DETAIL.

1 TYPICAL MODULAR CLASSROOM GROUNDING DETAIL
NOT TO SCALE



2 TRENCH SECTION
NOT TO SCALE



3 TYPICAL 'STC' PULLBOX ELEVATION DETAIL
SCALE: NONE



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MONTE VERDE ES TK
BUILDING
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Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

ELECTRICAL
DETAILS

Scale: As indicated
Sheet No:

E5.10

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)(2) for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)(6), 180.1(a) and 180.2(b)(4)(b) for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: Monte Verde ES TK

Report Page: (Page 1 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

A. GENERAL INFORMATION

01 Project Location (city)

San Bruno

04 Total Illuminated Hardscape Area (ft²)

12400

02 Climate Zone

3

03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):

☐ LZ-0: Very Low - Undeveloped Parkland

☒ LZ-2: Moderate - Urban Clusters

☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval

☐ LZ-1: Low - Rural Areas

☐ LZ-3: Moderately High - Urban Areas

05 Occupancy Types within Project

• All Other Occupancies

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)(b) for alterations.

My Project Consists of:

01

02

☒ New Lighting System

Must Comply with Allowances from 140.7 / 170.2(e)(6)

☐ Altered Lighting System

Is your alteration increasing the connected lighting load (Watts)?

☒ Yes

☐ No

03

04

05

% of Existing Luminaires Being Altered¹

Sum Total of Luminaires Being Added or Altered

Calculation Method

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 2 of 7)

Date Prepared: 12/16/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)(b)

01

02

03

04

05

06

07

08

09

General Hardscape Allowance 140.7(d)(1) / 170.2(e)(6) (See Table I)

+

Per Application 140.7(d)(2) / 170.2(e)(6) (See Table J)

+

Sales Frontage 140.7(d)(2) (See Table K)

+

Ornamental 140.7(d)(2) / 170.2(e)(6) (See Table L)

+

Per Specific Area 140.7(d)(2) / 170.2(e)(6) (See Table M)

OR

Existing Power Allowance 141.0(b)(2) / 180.2(b)(4)(b) (See Table N)

=

Total Allowed (Watts)

≥

Total Actual (Watts)

07 must be >= 08

436

OR

=

436

≥

145

COMPLIES

Shielding Compliance (See Table G for Details)

N/A

Controls Compliance (See Table H for Details)

COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 3 of 7)

Date Prepared: 12/16/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)(6) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Watts per luminaire¹,²

How is Wattage determined

Total Number Luminaires²

Luminaire Status³

Excluded per 140.7(a) / 170.2(e)(6)A

Design Watts

Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)(1)⁴

Field Inspector

Pass

Fail

AA

AA - 41W LED

☐ Linear

41

Mfr. Spec

3

New

☐

123

NA: < 6200 lumens

☐

☐

BB

BB - 2W LED

☐ Linear

2

Mfr. Spec

11

New

☐

22

NA: < 6200 lumens

☐

☐

Total Design Watts:

145

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
Ex: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b).

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b).
² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c).

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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Schema Version: rev 20220101

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 4 of 7)

Date Prepared: 12/16/2025

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01

02

03

04

05

Area Description

Shut-Off 130.2(c)(1) / 160.5(c)

Auto-Schedule 130.2(c)(2) / 160.5(c)

Motion Sensor 130.2(c)(3) / 160.5(c)

Field Inspector

Pass

Fail

EXTERIOR

Photocontrol

Provided

Provided

☐

☐

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from II and III.

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 5 of 7)

Date Prepared: 12/16/2025

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A / Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

01

02

03

04

05

06

07

08

09

☒ General Hardscape Allowance Table I (below)

☐ Per Application Table J

☐ Sales Frontage Table K

☐ Ornamental Table L

☐ Per Specific Area Table M

Area Description

Illuminated Area (ft²)

Allowed Density (W/ft²)

Area Allowance (Watts)

Perimeter Length (lf)

Allowed Density (W/lf)

Linear Allowance (Watts)

Total General AWA + LWA (Watts)

Pedestrian Hardscape

12400

0.019

235.6

0

0.2

0

236

Initial Wattage Allowance for Entire Site (Watts):

200

Instances of Initial Wattage Allowance (LZ 0 only)¹

200

Total General Hardscape Allowance (Watts):

436

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

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CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 6 of 7)

Date Prepared: 12/16/2025

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.

Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.

Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title

Systems/Spaces To Be Field Verified

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 200 luminaires.

EXTERIOR;

Generated Date/Time:

Documentation Software: EnergyPro

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 7 of 7)

Date Prepared: 12/16/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:

Belden Consulting Engineers

Company:

Belden Consulting Engineers

Address:

4457 Willow Road

City/State/Zip:

Pleasanton CA 94588

Documentation Author Signature:

Signature Date:

2025-12-16

CEA/ HERS Certification Identification (if applicable):

Phone:

925-621-5300

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:

GERALD GONZALES

Company:

BELDEN CONSULTING ENGINEERS

Address:

4457 WILLOW RD, STE 100

City/State/Zip:

PLEASANTON CA 94588

Responsible Designer Signature:

Date Signed:

2025-12-16

License:

E16961

Phone:

925-621-5300

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Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

Report Generated: 2025-12-16 15:39:13

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MONTE VERDE ES TK
BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

Date: 10/20/2025
Revision Schedule
No. Date Description

Project No: 25007
Sheet Title:

TITLE 24

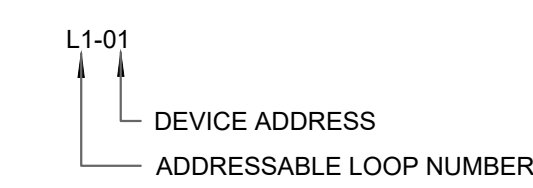
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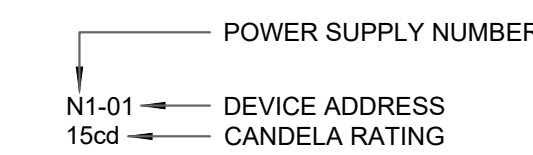
SCOPE OF WORK		FIRE ALARM SYSTEM NOTES	
<p>1. NEW TK BUILDING IS BEING INSTALLED. EXISTING SIEMENS MXL-QX PANEL IS BEING UPGRADED WITH NEW SIEMENS DESIGO FIRE ALARM VOICE EVACUATION PANEL. NEW INITIATING DEVICES (SMOKES, ATTIC HEATS, ETC.) AND NOTIFICATION DEVICES (SPEAKERS, STROBES, ETC.) AND WIRING TO BE PROVIDED FOR THE NEW TK CLASSROOM BUILDING.</p>		<p>1. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA PROJECT INSPECTOR (PI). LOCAL FIRE ASSISTANT SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.</p> <p>2. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATER-TIGHT FITTINGS. (CEC 110-11 AND 300-6)</p> <p>3. FIRE ALARM DEVICE MOUNTING HEIGHTS: · PULL STATION: 48" TO TOP OF HANDLE ABOVE FINISHED FLOOR. (CEC 380-8.3) · HORN INTERIOR, MINIMUM 80" TO TOP OF DEVICE ABOVE FINISHED FLOOR, NOT LESS THAN 6" FROM CEILING. (2022 NFPA72-18.4.8.1) · WALL MOUNTED STROBE OR HORN/STROBE: MINIMUM 80" TO BOTTOM OF STROBE LENS AND NOT GREATER THAN 80" TO TOP OF STROBE LENS. ABOVE FINISHED FLOOR, NOT LESS THAN 6" FROM CEILING. (2022 NFPA72-18.5.5.1)</p> <p>4. TO ENSURE THAT AUDIBLE PUBLIC MODE SIGNALS ARE CLEARLY HEARD, UNLESS OTHERWISE PERMITTED BY 2022 NFPA72-18.4.3.2 THROUGH 18.4.3.5, THEY SHALL HAVE A SOUND LEVEL AT LEAST 15db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5db ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5 FT (1.5m) ABOVE THE FLOOR IN THE AREA REQUIRED TO BE SERVED BY THE SYSTEM USING THE A-WEIGHTED SCALE (dBA).</p> <p>5. AUDIBLE DEVICES SHALL SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE.</p> <p>6. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH EVERY SECOND. (2022 NFPA72-18.5.3.1)</p> <p>7. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE PROJECT INSPECTOR (PI) / DSA AFTER COMPLETION OF OPERATION ACCEPTANCE TESTS. (2022 NFPA 72-14.6.2.4 AND FIGURE 14.6.2.4)</p> <p>8. ALL CIRCUITS SHALL BE SUPERVISED AGAINST OPENS, SHORTS AND GROUNDS.</p> <p>9. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.</p> <p>10. MARK ALL WIRES IN ACCORDANCE WITH 760-10.</p> <p>11. ALL OUTSIDE FIRE ALARM DEVICES SHALL BE CFSM FOLLOWING AS WEATHER PROOF TYPE.</p> <p>12. EXISTING CAMPUS FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM SCHOOL DISTRICT. 48 HOUR NOTICE SHALL BE PROVIDED TO LOCAL FIRE AUTHORITY PRIOR TO FIRE ALARM SYSTEM SHUTDOWN.</p> <p>13. ALL FIRE ALARM WIRING SHALL BE CONTINUOUS WITHOUT SPLICES AND TERMINATED IN TERMINAL BLOCKS OF THE DEVICE OR FIRE ALARM APPROVED TERMINAL BLOCKS IN TERMINAL CABINETS OR JUNCTION BOXES.</p> <p>14. ALL FIRE ALARM WIRING INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.</p> <p>15. ALL WIRING TO BE RUN IN FIRE ALARM DEDICATED CONDUIT IN EXPOSED AREAS. ALL NEW FA WIRING SHALL BE INSTALLED IN CONDUIT MINIMUM SIZE 3/4" U.O.N. USE EXISTING FIRE ALARM CONDUITS WHERE PRACTICAL. TO INSTALL A NEW FA WIRING, FIELD VERIFY EXACT EXISTING CONDUIT ROUTING IN ACCESSIBLE CEILING. FIRE POWER INSTALLED PLENUM CABLE SUPPORTED BY J-HOOKS AND/OR D-RINGS IS ALLOWED.</p> <p>16. ALL SHIELDS TO BE CONTINUOUS, DRY AND FREE FROM ALL GROUNDS AND SHORTS.</p> <p>17. ELECTRICAL/FIRE ALARM CONTRACTOR SHALL VERIFY EXISTING AVAILABLE ADDRESSES ON EXISTING SYSTEM AND CORRECT ON AS-BUILT DRAWINGS FOR SUBMITTAL TO SCHOOL DISTRICT AT END OF PROJECT.</p> <p>18. THIS CAMPUS HAS AN EXISTING UL LISTED CENTRAL MONITORING STATION. SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA72 AS AMENDED BY CFC CHAPTER 60. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFC OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.</p> <p>19. A DOCUMENTATION CABINET SHALL BE INSTALLED PROXIMAL TO THE FACP PER 2022 NFPA 72, 7.7.2.1.</p> <p>20. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET PER 2022 NFPA 72, 7.7.2.3.</p> <p>21. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED <u>SYSTEM RECORD DOCUMENTS</u> PER NFPA72, 7.7.2.5.</p> <p>22. NFPA 72 2022 CODE SECTION 14.4.2 REACCEPTANCE TESTING REQUIREMENT, "10 PERCENT OR A MAXIMUM OF 50 DEVICES ALREADY INSTALLED."</p> <p>23. UPON COMPLETION AND ACCEPTANCE OF THE PROJECT, A REPRODUCIBLE "AS-BUILT" SET OF DRAWINGS OF THE ENTIRE FIRE ALARM SYSTEM OR THE AREAS WORKED UPON SHALL BE PROVIDED TO THE OWNER OR THE OWNER'S REPRESENTATIVE.</p>	
TYPE OF SYSTEM			
<p>1. CLASS 'B' INITIATING</p> <p>2. SYSTEM IS A PROTECTED PREMISIS AND REQUIRES 24 HOUR STANDBY.</p> <p>3. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFC OR INITIATING</p> <p>4. DEVICES FOR AREA OF WORK SHALL BE AUTOMATIC TYPE AS REQUIRED BY FIRE PROTECTION ACT (§8575) GREEN OAKS FAMILY ACADEMY MIDDLE SCHOOL.</p> <p>5. BUILDINGS ARE TYPE 'E' OCCUPANCY.</p> <p>6. SYSTEM DESIGNER: GERALD GONZALES, BELDEN CONSULTING ENGINEERS</p>			
APPLICABLE CODES			
<p>1. CBC 2022; CEC 2022, CMC 2022</p> <p>2. TITLE 19 PUBLIC SAFETY - CALIFORNIA STATE FIRE MARSHAL REQUIREMENTS</p> <p>3. NFPA 72 (NATIONAL FIRE ALARM CODE) 2022 EDITION WITH CALIFORNIA AMENDMENTS</p>			
FIRE ALARM SYMBOLS			
	WALL MOUNTED JUNCTION OR OUTLET BOX WITH BLANK COVER, FLUSH, HEIGHT AS INDICATED.		
	JUNCTION OR OUTLET BOX - MOUNT ABOVE CEILING WITH BLANK COVER. (F= FLUSH IN FINISHED CEILING)		
	BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED IN CEILING SPACE OR WALL		
	BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND.		
	BRANCH CIRCUIT HOMERUN TO PANEL. (FOR MECHANICAL EQUIPMENT SEE "MECHANICAL EQUIPMENT SCHEDULE")		
	FLEXIBLE CONDUIT		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT SUBTIED OUT IN ACCESSIBLE LOCATION. CAP AND MARK LOCATION.		
	GENERAL SHEET NOTES		
	MECHANICAL UNIT TAG. SEE MECHANICAL EQUIPMENT SCHEDULE.		
	DETAIL TAG.		
(E)	EXISTING TO REMAIN		
(N)	NEW		
FACP	FIRE ALARM CONTROL PANEL		
RPS	REMOTE POWER SUPPLY		
NTS	NOT TO SCALE		
WP	WEATHERPROOF		

FIRE ALARM SYMBOLS	
SIGNAL	DESCRIPTION
	<p>FIRE ALARM CONTROL PANEL "FACP": SIEMENS #DESIGN DESIMO MODULAR KIT: SIEMENS #MD0-250-7CMBEP CABINET: SIEMENS #CAD3-BB, #CAB3-BD-OD-LP BATTERY CABINET: SIEMENS CAB-BATT DIALER MODULE (DACT): SIEMENS #FCA2015-U1 LED MODULE: SIEMENS #LCM-8 INNER DOOR LED MODULE MODULE: SIEMENS #IM-MP LOCAL PAGE BOARD: SIEMENS #RPS LIVE VOICE MASTER MICROPHONE: SIEMENS #LMV CARD CAGE: SIEMENS #HC-5 MODULAR VOICE CONTROL CARD: SIEMENS #XVCC (6) NAC ZONES: SIEMENS #ZIC-8B MXL LINE CARD: SIEMENS #MLC</p> <p>C.S.F.M. #7165-0067-0508</p>
	<p>12V-55AH BATTERIES: (2) POWER SONIC #PPW-PS12550</p> <p>C.S.F.M. #N/A</p>
	<p>UNIVERSAL FACU COMMUNICATOR: STAR LINK FIRE #SLE-MAX2-CFBFP5</p> <p>C.S.F.M. #7300-0992-0503</p>
	<p>DOCUMENTS CABINET: SPACE AGE ELECTRONICS #SSU00625 (DSB ACE-12)</p> <p>C.S.F.M. #7300-0553-0110</p>
	<p>ADDRESSABLE SMOKE DETECTOR: SIEMENS #FD0421 INTELLIGENT BASE: SIEMENS #DB-11</p> <p>C.S.F.M. #7272-0067-0258 / BASE C.S.F.M. #7300-0067-0134</p>
	<p>ADDRESSABLE HIGH HEAT DETECTOR FIXED 175" (ATTIC): SIEMENS #FDT421 INTELLIGENT BASE: SIEMENS #DB-11</p> <p>CSFM #7320-0067-0262 / BASE C.S.F.M. #7300-0067-0134</p>
	<p>WALL MOUNTED SPEAKER-STROBE (MULTI CANDELA): SIEMENS #SC-SS-WW-F CSFM #7320-0067-0521</p>
	<p>WALL MOUNTED STROBE (MULTI CANDELA): SIEMENS #SC-SP-WW-F CSFM #7320-0067-0521</p>
	<p>WEATHERPROOF SPEAKER: SIEMENS #SL24XSP-NW CSFM #7320-0067-0526</p>

ADDRESSABLE DEVICE LABEL



NOTIFICATION APPLIANCE LABEL



FIRE ALARM CABLE SCHEDULE					
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
A	1 PR. #16 AWG SOLID UNSHIELDED FPL	CORNING WEST PENN #D990 OR EQUIVALENT	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE-INTERIOR
AS	1 PR. #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	SITE ADDRESSABLE SLC LOOP CABLE- EXTERIOR/OUTDOOR
B	1 PR. #14 AWG SOLID SHIELDED, FFLP	WEST PENN #609928	RED	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT-INTERIOR
BS	1 PR. #14 AWG SOLID SHIELDED, FPL	WEST PENN #AQC295	BLACK	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT-EXTERIOR/OUTDOOR
C	1 PR. #12 SOLID UNSHIELDED FFLP	WEST PENN #60996B	RED	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT-INTERIOR
CS	1 PR. #12 STRANDED UNSHIELDED FPL	WEST PENN #AQ227	BLACK	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT-EXTERIOR/OUTDOOR

SHEET INDEX	
SHEET NO.	SHEET TITLE
FA0.10	GENERAL NOTES AND SPECIFICATIONS
FA1.10	SITE FIRE ALARM PLAN
FA2.10	ENLARGED FIRE ALARM PLAN
FA3.10	FIRE ALARM RISER DIAGRAM
FA4.10	FIRE ALARM BATTERY CALCULATIONS
FA5.10	FIRE ALARM DETAILS

SYSTEM INPUTS		SYSTEM OUTPUTS																									
		CONTROL UNIT ANNUNCIATOR										NOTIFICATION				REQUIRED FIRE SAFETY CONTROL				SUPPLEMENTARY							
		ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY INDICATOR	ACTUATE SUPERVISORY SIGNAL	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE ZONE OR DEVICE SIGNAL ALARM INDICATOR	ACTUATE EVACUATION SIGNAL	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RECALL ELEVATORS TO PRIMARY RECALL FLOOR	SHUTDOWN HVAC EQUIPMENT												
		A	B	C	D	E	F	G	H	I	J	K	L		M					N							
1	MANUAL FIRE ALARM BOXES	●	●					●	●	●	●																
2	SMOKE DETECTOR	●	●					●	●	●	●				●												
3	HEAT DETECTORS	●	●					●	●	●	●				●												
4	AREA OF REFUGE 2-WAY COMM. STATUS			●	●			●				●															
5	FIRE ALARM SYSTEM AC POWER FAILURE					●	●						●														
6	FIRE ALARM SYSTEM LOW BATTERY					●	●						●														
7	OPEN CIRCUIT					●	●						●														
8	GROUND FAULT					●	●						●														
9	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●						●														
		A	B	C	D	E	F	G	H	I	J	K	L		M					N							

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**MONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

Date:	10/20/2025
Revision Schedule	
No.	Description

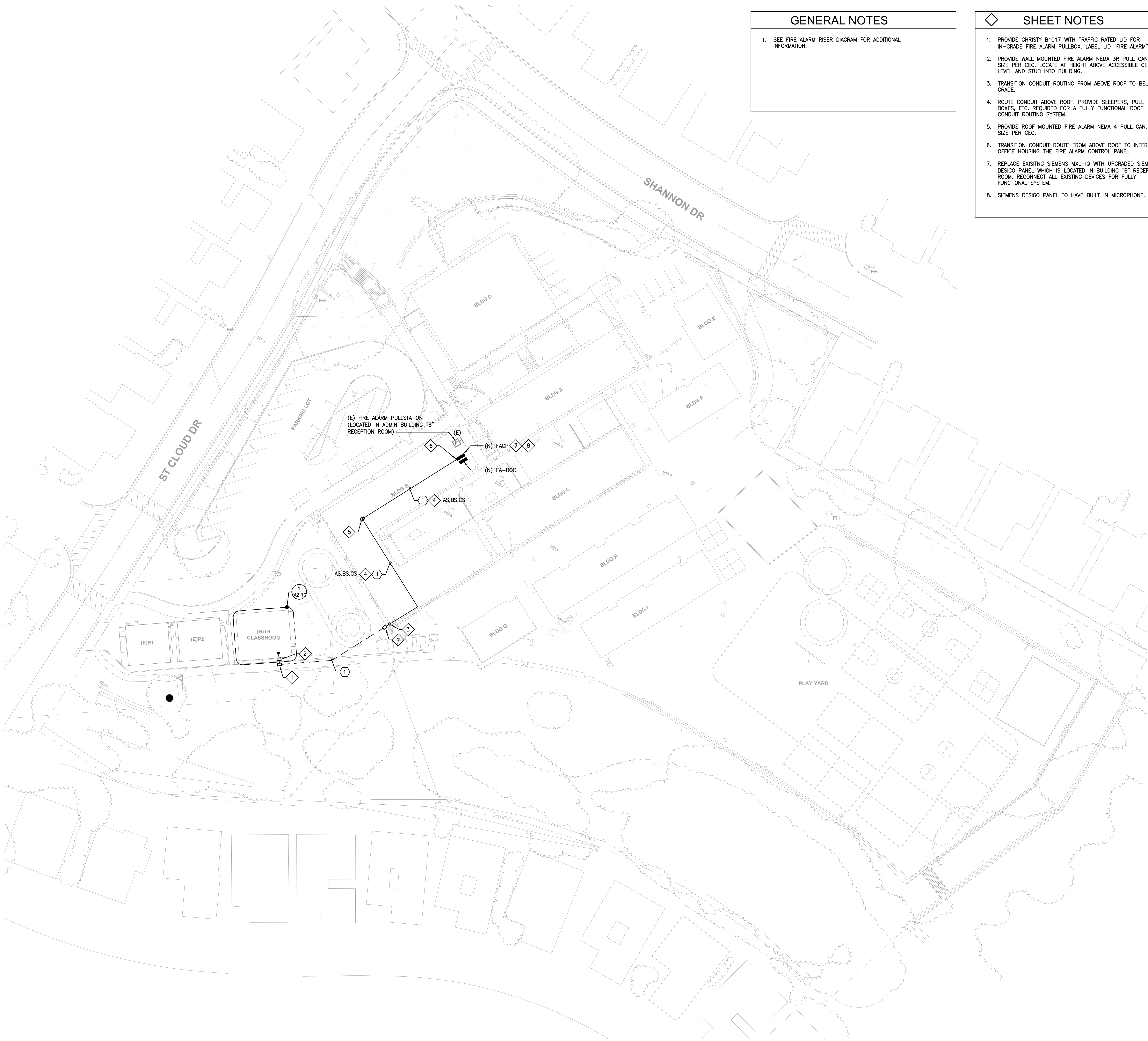
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GENERAL NOTES AND SPECIFICATIONS

Scale: As indicated

Sheet No:

FA0.10



GENERAL NOTES

1. SEE FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.



SHEET NOTES

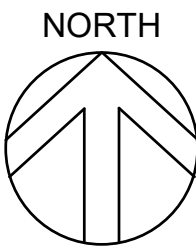
1. PROVIDE CHRISTY B1017 WITH TRAFFIC RATED LID FOR IN-GRADE FIRE ALARM PULLBOX. LABEL LID "FIRE ALARM".
2. PROVIDE WALL MOUNTED FIRE ALARM NEMA 3R PULL CAN. SIZE PER CEC. LOCATE AT HEIGHT ABOVE ACCESSIBLE CEILING LEVEL AND STUB INTO BUILDING.
3. TRANSITION CONDUIT ROUTING FROM ABOVE ROOF TO BELOW GRADE.
4. ROUTE CONDUIT ABOVE ROOF. PROVIDE SLEEPERS, PULL BOXES, ETC. REQUIRED FOR A FULLY FUNCTIONAL ROOF CONDUIT ROUTING SYSTEM.
5. PROVIDE ROOF MOUNTED FIRE ALARM NEMA 4 PULL CAN. SIZE PER CEC.
6. TRANSITION CONDUIT ROUTE FROM ABOVE ROOF TO INTERIOR OFFICE HOUSING THE FIRE ALARM CONTROL PANEL.
7. REPLACE EXISTING SIEMENS MXL-IQ WITH UPGRADED SIEMENS DESIGO PANEL WHICH IS LOCATED IN BUILDING "B" RECEPTION ROOM. RECONNECT ALL EXISTING DEVICES FOR FULLY FUNCTIONAL SYSTEM.
8. SIEMENS DESIGO PANEL TO HAVE BUILT IN MICROPHONE.



SHEET NOTES

1. NEW (1) 2" - FIRE ALARM

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



MONTE VERDE ES TK
BUILDING
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Date:	10/20/2025	
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SITE FIRE
ALARM PLAN

Scale: As indicated
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FA1.10

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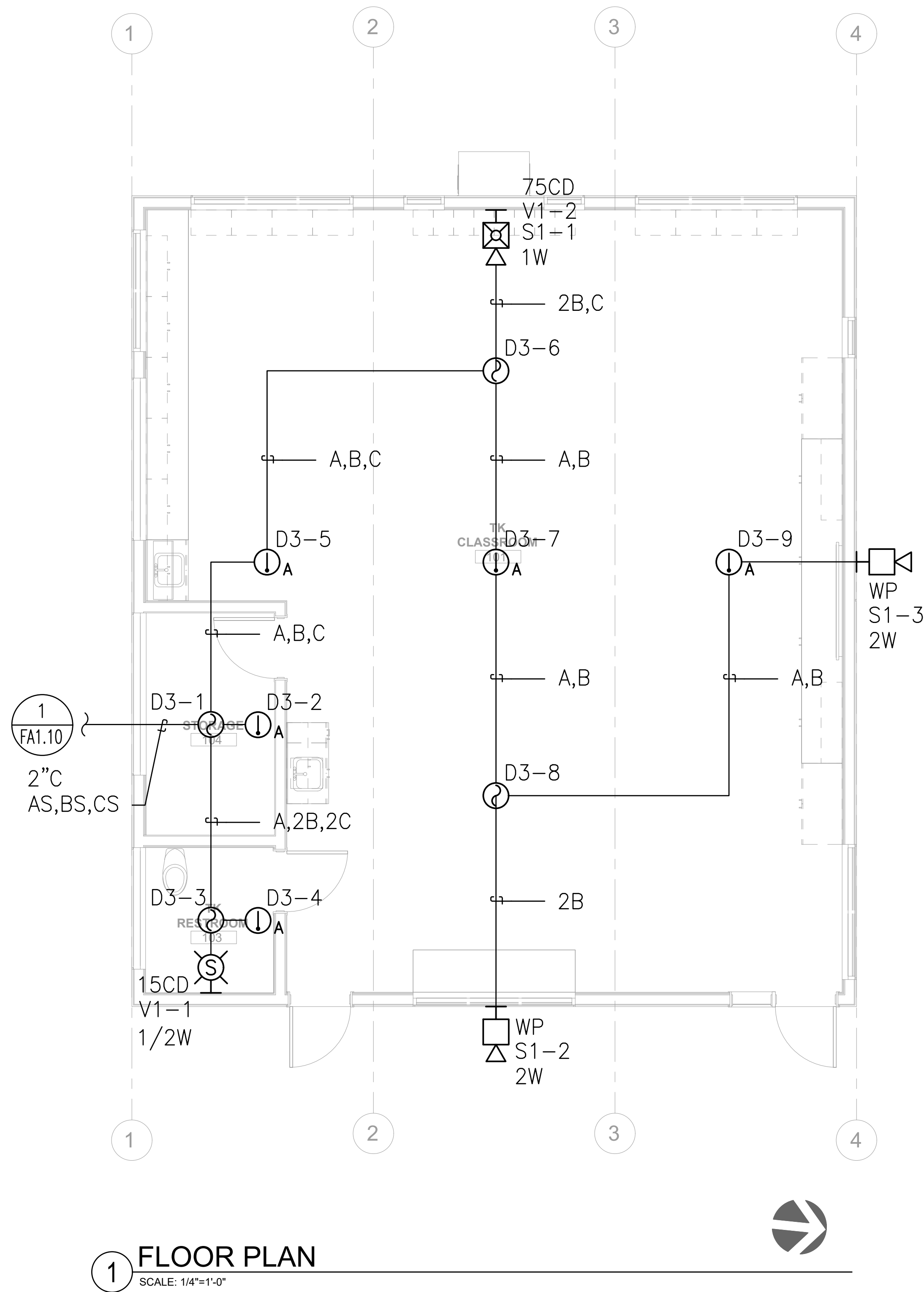
Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

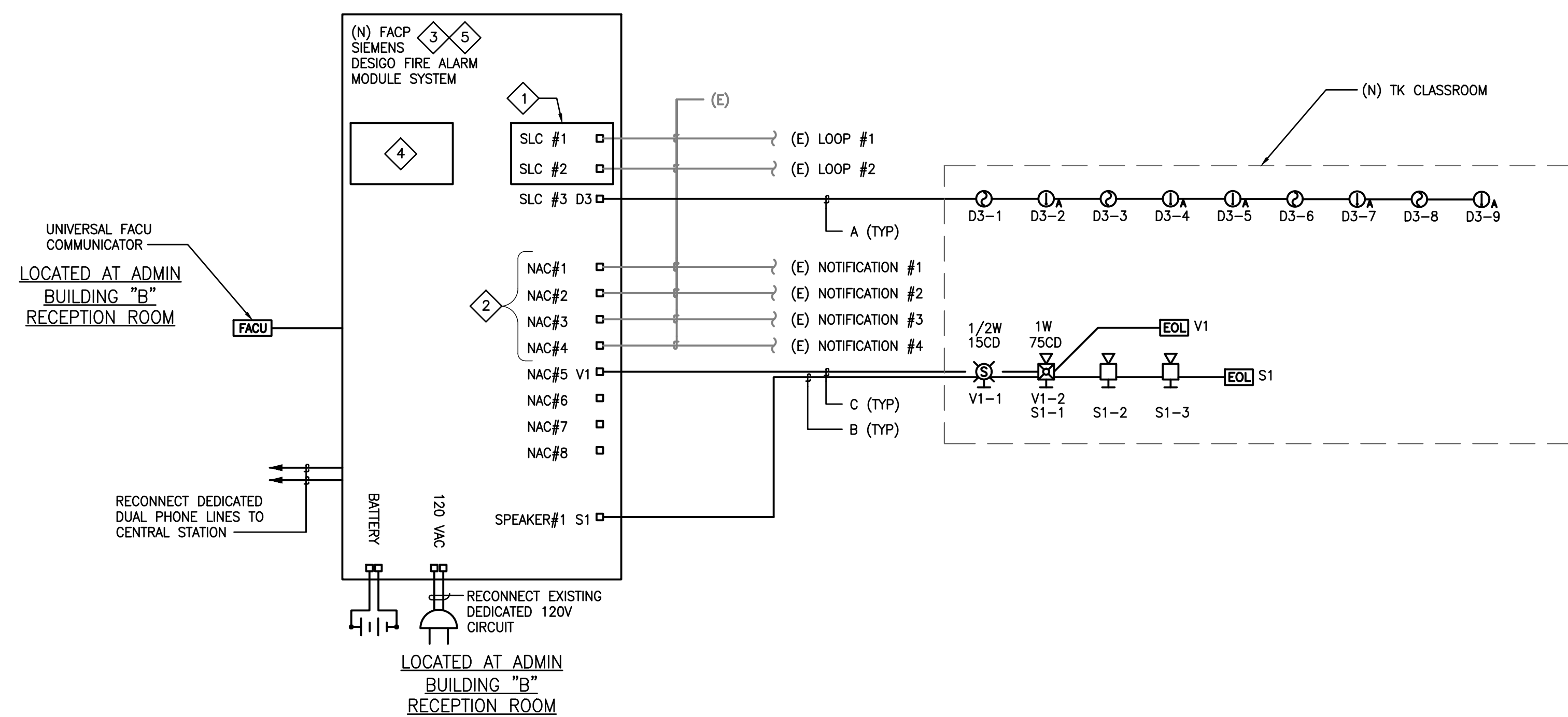
ENLARGED
FIRE ALARM
PLAN

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Sheet No:

FA2.10



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



SHEET NOTES

1. RECONNECT EXISTING SLC CIRCUITS TO NEW MCL CARD.
2. RECONNECT EXISTING NAC CIRCUITS TO NEW (8) NAC ZIC-8B CARD.
3. REPLACE EXISTING SIEMENS MXL-IQ PANEL WITH UPGRADED SIEMENS DESIGO PANEL. RECONNECT ALL EXISTING DEVICES FOR A FULLY FUNCTIONAL SYSTEM.
4. INTEGRAL LVM MODULE INCLUDES MICROPHONE WITH A PUSH-TO-TALK SWITCH AND RETRACTABLE COILED CORD.
5. PROVIDE FULL SET OF SUBMITTALS INCLUDING CUTSHEETS AND SHOP DRAWINGS FOR REVIEW PRIOR TO PROCUREMENT AND START OF CONSTRUCTION.

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25177 / MM

**ONTE VERDE ES TK
BUILDING**

Due Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No:	25007
Sheet Title:	

FIRE ALARM RISER DIAGRAM

Scale:	As indicated
Sheet No:	

FA3.10

NEW FIRE ALARM CONTROL PANEL BATTERY CALCULATIONS (SIEMENS #DESIGO FIRE SAFETY MODULAR SYSTEM)

QTY	DESCRIPTION	STANDBY		ALARM	
		EACH	TOTAL	EACH	TOTAL
1	CLASS X DEVICE LOOP CARD (#XDLIC)	0.000145	0.0001	0.000375	0.0004
1	OPERATOR INTER-PHONE (#OP-INT-PH)	0.000125	0.0001	0.075000	0.0750
1	ZONE INDICATING CARD (#ZIC BNC)	0.109500	0.1050	0.017000	0.0170
1	CARD GAGE (#CCG-S)	0.000000	0.0000	0.000000	0.0000
1	POWER SUPPLY (#PSC-12)	0.150000	0.1500	0.075000	0.0750
1	MULTI POINT DIGITAL ALARM COMMUNICATION (#WCA2015-U1)	0.033500	0.0335	0.046500	0.0465
1	LOCAL PAGE BOARD (#LPB)	0.230000	0.2300	0.230000	0.2300
1	LIVE VOICE MASTER MICROPHONE (#LVM)	0.025000	0.0250	0.025000	0.0250
1	MODULAR SYSTEM VOICE CONTROL CARD (#MVCC)	0.220000	0.2200	0.220000	0.2200
1	MIX LINE CARD (#MLC MAX 2 LOOPS 120 DEVICES TOTAL)	0.300000	0.3000	0.180000	0.1800
1	ZONE AMPLIFIER CARD (#ZAC-40)	0.150000	0.1500	0.150000	0.1500
	EXISTING STANDBY CURRENT		2.13770		
	EXISTING ALARM CURRENT				1.015875

NEW FIELD DEVICES

QTY	DESCRIPTION	STANDBY		ALARM	
		EACH	TOTAL	EACH	TOTAL
4	SMOKE DETECTOR	0.0003	0.0010	0.0004	0.0016
5	HIGH HEAT DETECTOR	0.0002500	0.0013	0.000410	0.0021
1	WALL MOUNT STROBE 15CD	0.000000	0.0000	0.024000	0.0240
1	WALL MOUNT SPEAKER STROBE 75CD (1W)	0.000000	0.0000	0.039000	0.0390
	NEW STANDBY CURRENT		0.002250		
	NEW ALARM CURRENT				0.066690

TOTAL SYSTEM CURRENT

DESCRIPTION	STANDBY	ALARM
NEW LOAD PANEL	1.213770	1.015875
NEW LOAD FIELD DEVICES	0.002250	0.066900
TOTAL STANDBY CURRENT	1.216020	
X 24 HOUR STANDBY	29.184480	
TOTAL ALARM CURRENT		1.082565
15 MINUTES OF ALARM (X 25)		0.270641
TOTAL BATTERY REQUIREMENT		29.455121
TOTAL BATTERY WITH 25% SAFETY MARGIN		36.8189
NEW BATTERY SUPPLIED		(2) 55AH

VOLTAGE DROP (VD) CALCULATION

PROJECT NAME: MONTE VERDE ESTK
SIGNAL CIRCUIT #: V1

DEVICE #	1	2	3	4	5	6	7	8	9	10
GAUGE WIRE	12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)	350	70	0	0	0	0	0	0	0	0
AMPS OF DEVICE	0.024	0.039	0	0	0	0	0	0	0	0
TOTAL AMPS @DEV.	0.063	0.039	0	0	0	0	0	0	0	0
VOLT. DROP @ DEV.	0.072937	0.00903	0	0	0	0	0	0	0	0

[illegible]

		WIRE SIZE	RESIS. /M.FT.	CIRC. MILS.	
TOTAL CKT. AMPS	0.063 AMPS	10	1.24	10380	
TOTAL CKT V DROP =	0.082 VDC	12	1.59	6530	** FORMULA **
		14	2.52	4110	
CKT VOLTAGE =	20.4	16	4.02	2580	1" FEET * 21.6
		18	6.39	1620	
% VOLTAGE DROP=	0.4%	20	10.1	1020	C.M.

MONTE VERDE ES - TK CLASSROOM BUILDING - SPEAKER CIRCUIT SCHEDULE

SPEAKER CIRCUIT LOAD CALCULATION

SPEAKER CIRCUIT DESCRIPTION	PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14, 12)	CIRCUIT VOLTAGE (65 OR 70 VRMS)	SPEAKER TAPPED AT 0.25 WATTS	SPEAKER TAPPED AT 0.5 WATTS	SPEAKER TAPPED AT 1 WATT	SPEAKER TAPPED AT 2 WATT	SPEAKER TAPPED AT 4 WATT	TOTAL CIRCUIT LOAD (WATTS)	ESTIMATED CIRCUIT LENGTH (FEET)
TK CLASSROOM SPEAKER (OKT. ST)	OKT#1	16	25 vrms	0	1	1	2	0	4WATTS	525 FT.
				APPLIANCE SUMMARY					TOTAL LOAD (WATTS)	
				0	1	1	2	0	4	

APPLIANCE SUMMARY

0	1	1	2	0	4
---	---	---	---	---	---



Architecture • Planning • Interiors
3675 Mt. Diablo Blvd., Suite 310
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www.simarchitectsinc.com

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Client Logos



Consultant Logo



Stamp/Sea

**ONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

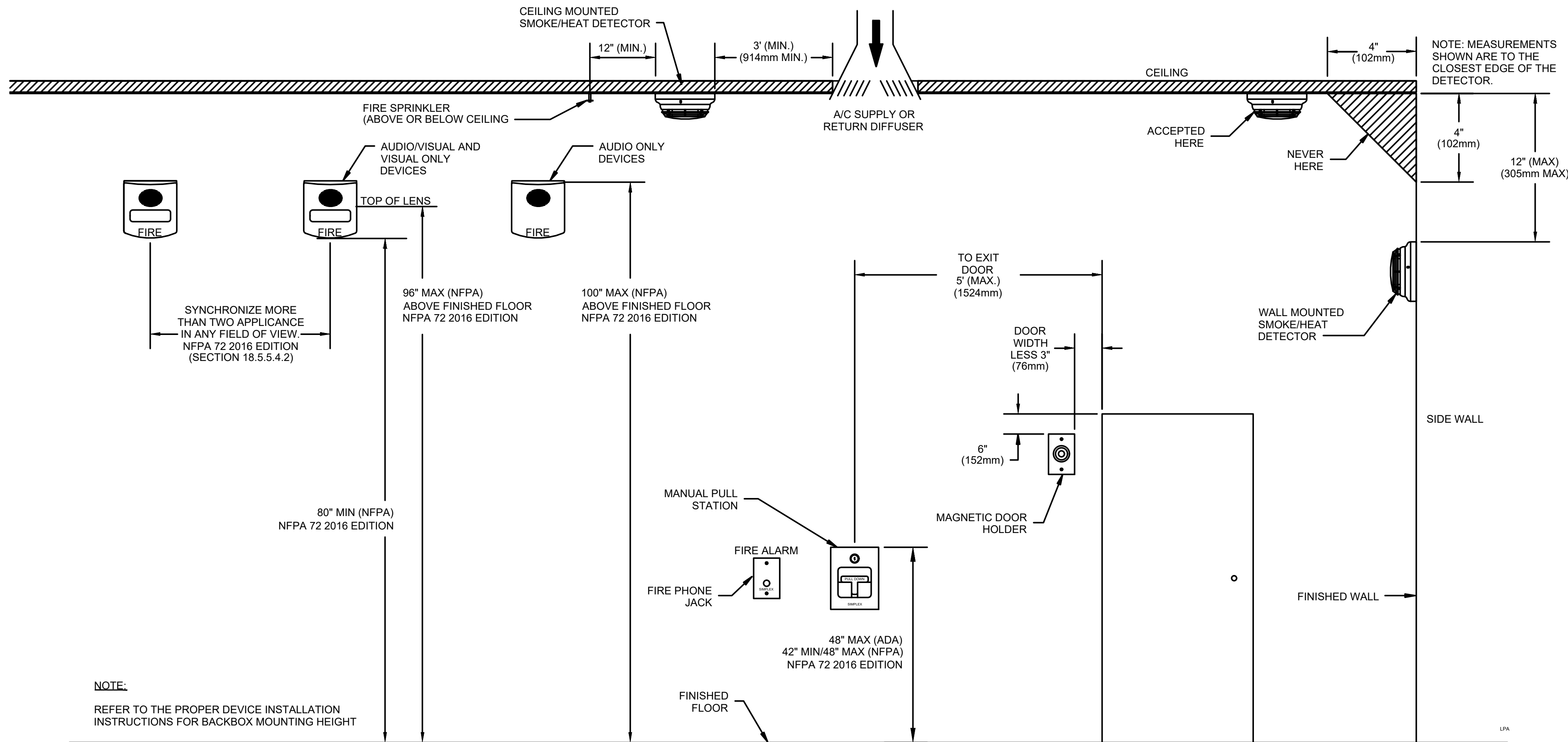
Project No:	25007
Sheet Title:	

FIRE ALARM BATTERY CALCULATIONS

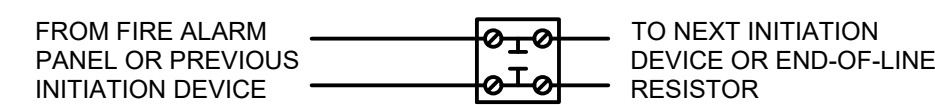
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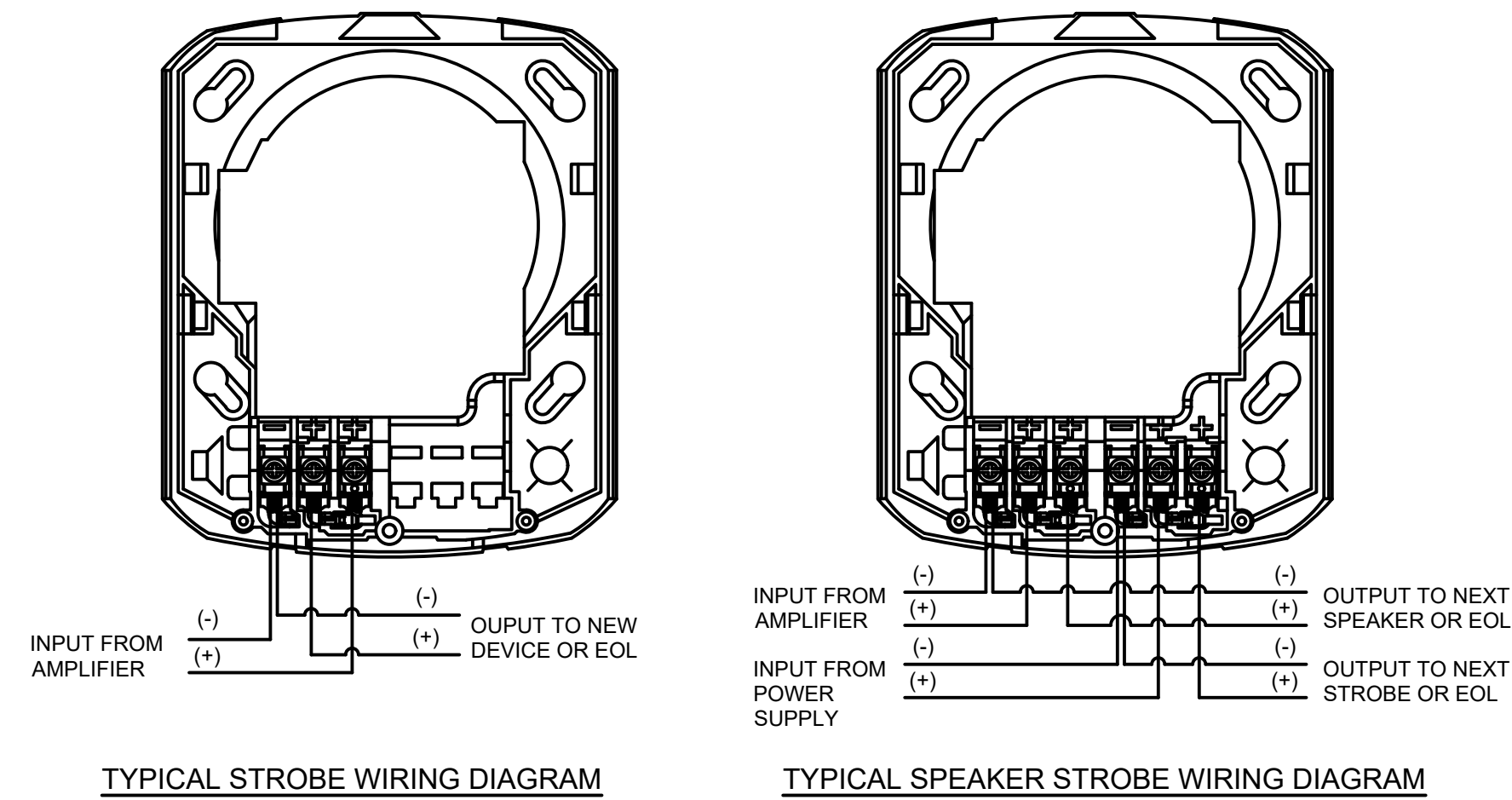
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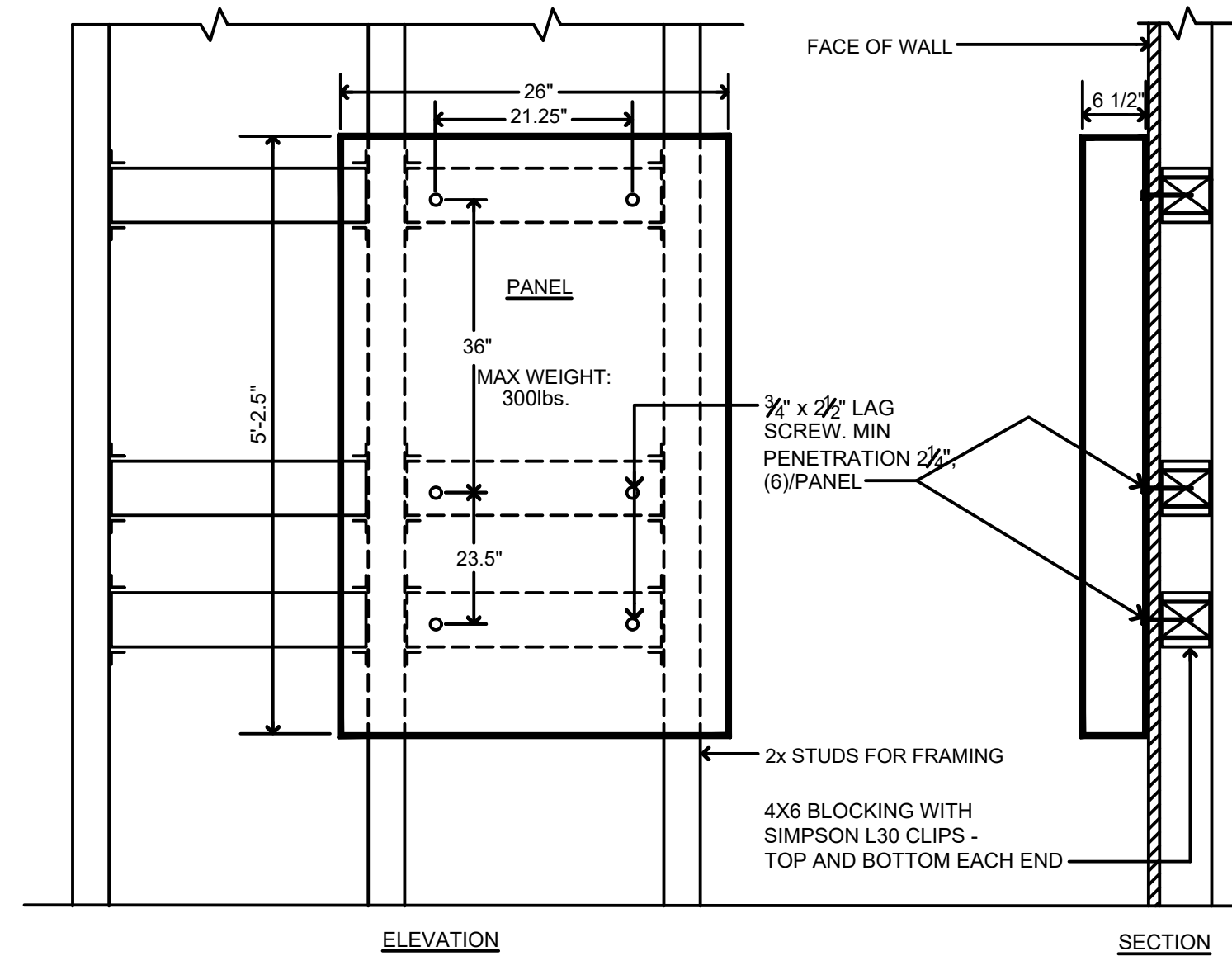
4 TYPICAL DEVICE MOUNTING DETAILS
NO SCALE



1 TYPICAL PULLSTATION-DETECTOR WIRING DIAGRAM (FIRE ALARM)
NO SCALE



2 TYPICAL STROBE AND SPEAKER/STROBE WIRING DIAGRAM (FIRE ALARM)
NO SCALE



3 SURFACE MTD PANEL DETAIL
NO SCALE

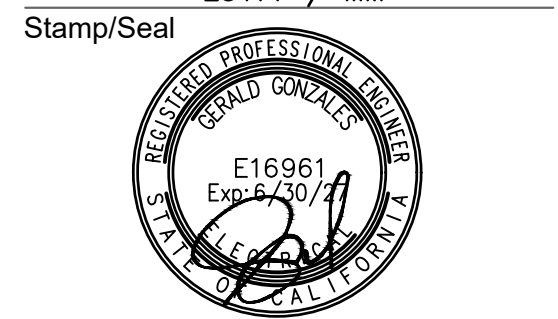


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Client Logo



Consultant Logo
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belden@beldeninc.com
25177 / MM



MONTE VERDE ES TK BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

Date: 10/20/2025
Revision Schedule

No.	Date	Description
-----	------	-------------

Project No: 25007
Sheet Title:

FIRE ALARM DETAILS

Scale: As indicated
Sheet No:

FA5.10

MODULAR CLASSROOM BUILDING
BUILDING SIZE: 36’ x 40’
(BASED ON PC 04-121999)

BY SILVER CREEK MODULAR LLC
2830 BARRET AVE. PERRIS, CA 92571

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
MONTE VERDE ELEMENTARY SCHOOL
TK-CLASSROOM
PROJECT NO. 11657

GENERAL NOTES

REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION

BUILDING DATA

REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION

REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION

APPLICABLE STANDARDS

REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION

APPLICABLE CODES

REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION

SHEET INDEX - PROJECT SPECIFIC

SHEET ARCHITECTURAL

- A-0N COVER SHEET
- A-0.2N SCHEDULES
- A-0.54N ENERGY CALCULATIONS
- A-0.55N ENERGY CALCULATIONS
- A-1.02N FLOOR PLAN
- A-2.02N REFLECTED CEILING PLAN
- A-4.02N EXTERIOR ELEVATIONS
- A-6.02N INTERIOR ELEVATIONS
- F-2.11N CONCRETE FOUNDATION PLAN
- M-1.02N MECHANICAL PLAN
- E-1.02N ELECTRICAL PLAN

PC SHEET INDEX

SHEET ARCHITECTURAL

- A-0 COVER SHEET
- A-0A T & I FORMS
- A-0B T & I FORMS
- A-0.1 SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
- A-0.2 SCHEDULES
- A-0.3 TYPICAL KEY PLANS - 36' x 40'
- A-0.51 DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC
- A-0.57 PRF FORMS - ZONE 36x40 - 14 WORST CASE
- A-0.58 PRF FORMS - ZONE 36x40 - 15 WORST CASE
- A-0.59 PRF FORMS - ZONE 36x40 - 16 WORST CASE
- A-0.6A CERTIFICATE OF COMPLIANCE FORMS
- A-0.6B CERTIFICATE OF COMPLIANCE FORMS
- A-0.6C CERTIFICATE OF COMPLIANCE FORMS
- A-0.7 PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CAL GREEN SPEC'S
- A-1.02 FLOOR PLAN - 36' x 40'
- A-2.02 REFLECTED CEILING PLAN - 36' x 40'
- A-2.20 CEILING DETAILS - T-GRID
- A-2.21 CEILING DETAILS - HARD LID
- A-3.02 ROOF PLAN - 36' x 40' - METAL DECK - MONO SLOPE
- A-3.50 ROOF DETAILS - STANDING SEAM ROOF DECK
- A-4.02 EXTERIOR ELEVATIONS - 36' x 40' - SINGLE SLOPE
- A-5.01 CROSS SECT. - DUAL SLOPE
- A-5.05 CROSS SECTION
- A-5.51 ARCHITECTURAL DETAILS - WOOD STUD - PLASTER
- A-5.70 ARCHITECTURAL DETAILS - FLOOR
- A-5.72 DETERIORATION PROTECTION STUCCO FINISH W/ CONC FLOOR - WD STUDS
- A-5.80 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
- A-5.81 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
- A-6.02 INTERIOR ELEVATIONS - 36' x 40'

SHEET FOUNDATION

- F-2.11 CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
- F-2.50 CONCRETE FOUNDATION DETAILS - BELOW GRADE
- F-2.51 FOUNDATION DETAILS - CONCRETE

SHEET STRUCTURAL

- S-0.1 STRUCTURAL SPECIFICATIONS
- S-1.11 FLOOR FRAMING PLAN - CONCRETE FLOOR
- S-1.60 FLOOR FRAMING DETAIL - CONCRETE FLOOR
- S-2.01 ROOF FRAMING PLAN - MONO SLOPE
- S-2.50 ROOF FRAMING DETAILS - MONO SLOPE
- S-2.60 ROOF FRAMING DETAILS
- S-2.90 ROOF FRAMING DETAILS - TRUSS
- S-3.01 BUILDING SECTION - MONO SLOPE
- S-5.00 WALL FRAMING ELEVATIONS - WOOD STUDS
- S-5.10 WALL FRAMING DETAILS - WOOD STUDS
- S-5.11 WALL FRAMING DETAILS - WOOD STUDS

SHEET PLUMBING

- P-1.01 PLUMBING DETAILS AND SCHEDULE

SHEET MECHANICAL

- M-0.1 MECHANICAL NOTES, SCHEDULES, AND DETAILS
- M-1.02 MECHANICAL PLAN - WALL MOUNT - 36' x 40'

SHEET ELECTRICAL

- E-1.02 ELECTRICAL PLAN AND SCHEDULE - 36' x 40'

TOTAL SHEETS: 58

TOTAL SHEETS 58

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

COVER SHEET

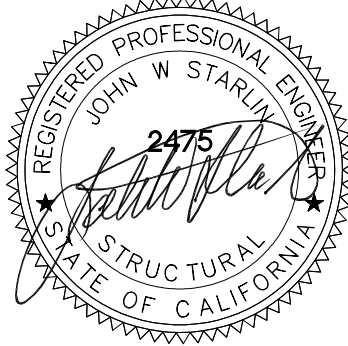


Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

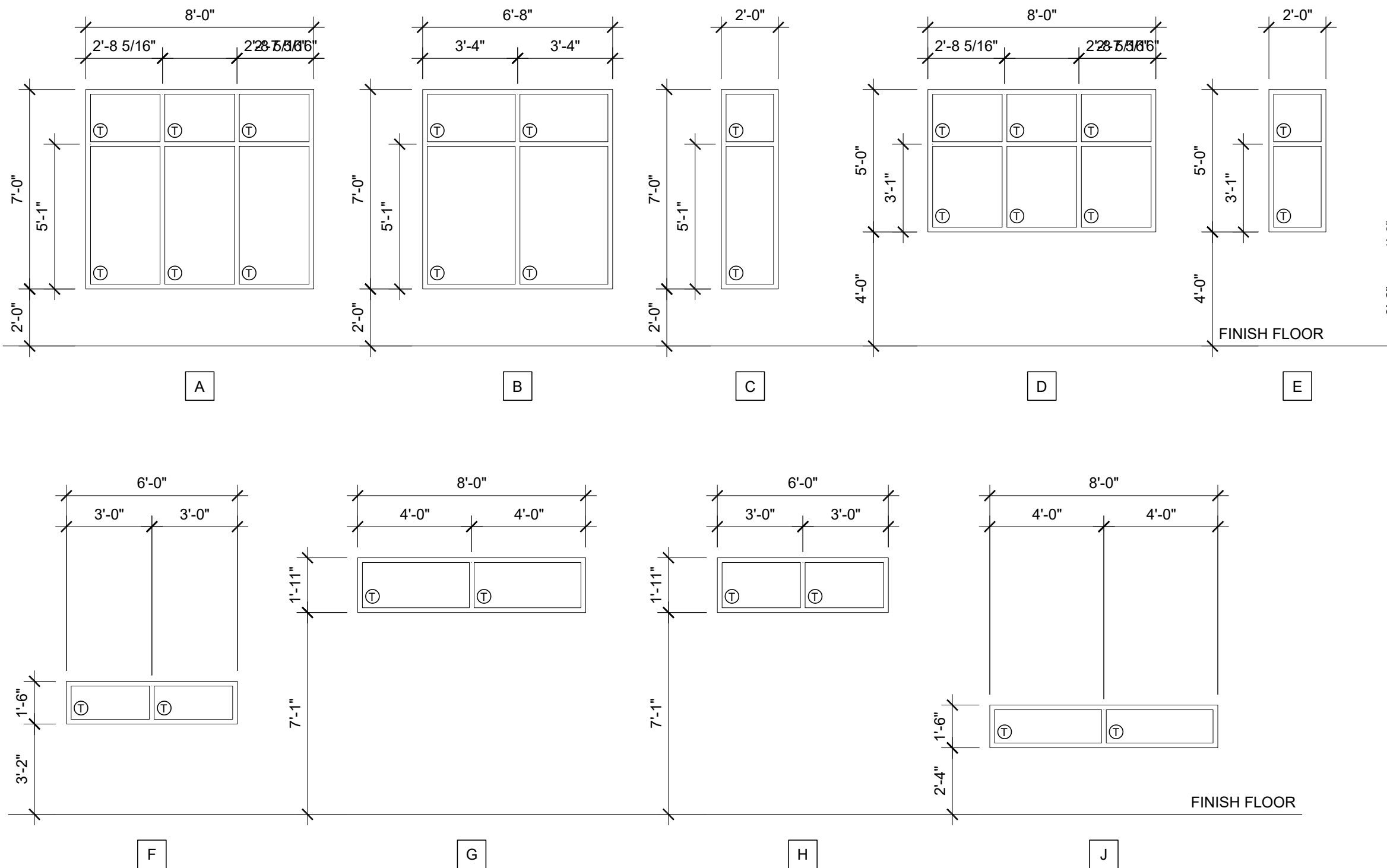
SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-0N

WINDOW TYPES



WINDOW SCHEDULE

WINDOW TYPE	SIZE		FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES
	WIDTH	HEIGHT								
A	8'-0"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
B	6'-8"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
C	2'-0"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
D	8'-0"	5'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
E	2'-0"	5'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
F	6'-0"	1'-6"	ANOD	NO	0.29	0.35	0.70	YES	DP	
G	8'-0"	1'-11"	ANOD	NO	0.29	0.35	0.70	YES	DP	
H	6'-0"	1'-11"	ANOD	NO	0.29	0.35	0.70	YES	DP	
J	8'-0"	1'-6"	ANOD	NO	0.29	0.35	0.70	YES	DP	

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM STOREFRONT FRAME
DP: INSULATED GLASS UNIT, 3/16" (MIN) SOLARBAN 62 (2) CLEAR OVER 3/16" (MIN) CLEAR
T: TEMPERED GLASS

NOTES:
1. INDICATED U, SHGC + VT VALUES ARE CENTER OF GLASS
2. TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
①	3'-0"	7'-0"	A	AL/DP	AL	HW - 1	YES	
②	3'-0"	7'-0"	B	AL/DP	AL	HW - 1	YES	
③	3'-0"	7'-0"	C	SCB	KD	HW - 3	NO	
④	3'-0"	7'-0"	C	SCB	KD	HW - 2	NO	

DOOR MATERIAL AND FINISH ABBREVIATIONS

AL: ALUMINUM STOREFRONT
DP: INSULATED GLASS UNIT, 3/16" (MIN) SOLARBAN 62 (2) CLEAR OVER 3/16" (MIN) CLEAR
T: TEMPERED GLASS

KD: KNOCK DOWN FRAME
SCB: SOLID CORE WOOD BIRCH

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
TK-CLASSROOM 101	LVT	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
STORAGE 102	LVT	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
TK-RESTROOM 103	EPX	6" EPX	COR	COR	COR	COR	GPB	9'-0"	

FLOOR, WALL, CEILING MATERIALS

FLOORING
LVT: ALLURA DECIBEL 0.8 AD8 LVT FLOORING
EPX: DEX-O TEX EPOXY FLOORING

BASE
4" TS: 4" TOP SET BASE
EPX: DEX-O TEX EPOXY, CONTINUE FLOORING 6" UP THE WALL

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING OR RIGID INSULATION W/ ADHESIVE
COR: CORIAN SOLID SURFACE OVER 1/2" WATER RESISTANT GYPSUM BOARD

CEILING
CP: ARMSTRONG ULTIMA 1938 SQUARE LAY-IN 3/4" THICK, 2X4 ACOUSTICAL LAY IN GRID CEILING PANELS
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

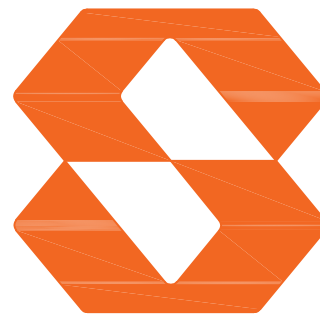
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

SCHEDULES



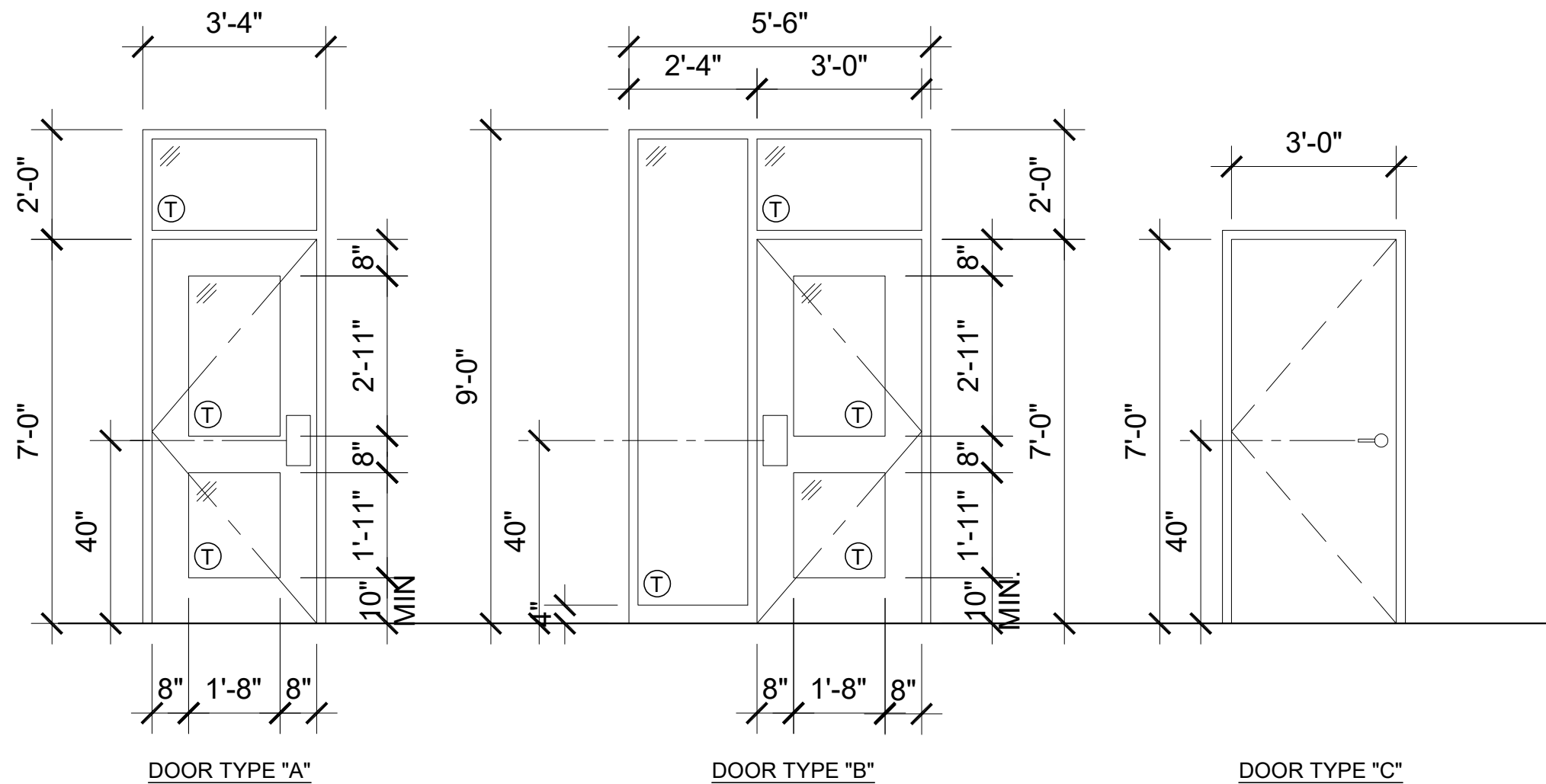
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ARCHITECT OF RECORD

DOOR TYPES & NOTES

- DOOR HANDLE FOR LOCK SETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF
- ALL EXIT DOORS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE ANY SPECIAL TOOLS, KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
- ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
- CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
- PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
-THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF OF THE DOOR LEAF WIDTH.
- THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
- ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES
- ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE AND WILL OPERATE WITH W/ 5 LBS OR LESS FORCE.
- FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.



DOOR HARDWARE

CLASSROOM DOOR -		EXTERIOR DOOR HW-1	
HINGE	224XY 83"	ALUM	IVE
EXIT DEVICE	AX-FA CDSI 99EO X 110MD-NL 425-SNB	626	VON
CORE	20-079	626	SCH
MORTISE HOUSING	28-094	626	SCH
CORE	23-030 C12223 1-BITTED	626	SCH
CONTROL KEY	1-BITTED		
PULL	VR910NL	630	IVES
CLOSER	4040XP EDA	ALUM	LCN
THRESHOLD	NEED	ALUM	PEM
DOOR BOTTOM	NEED		PEM
SEAL			PEM
STOP	1209	630	TRIM

WORK ROOM -		INTERIOR DOOR HW-2	
LOCKSET	L9071R 03A L283-711	626	SCH
HINGES	5BB1HW 4 1/2" x 4 1/2"	652	IVES
CLOSER	1250	626	LCN
STOP	FS439	630	IVES

REST ROOM -		INTERIOR DOOR HW-3	
LOCKSET	L9010 03A L283-711	626	SCH
HINGES	5BB1HW 4 1/2" x 4 1/2"	652	IVES
CLOSER	1250	626	LCN
KICK PLATE	8400 10"x2" LDW B-CS	630	IVES
STOP	FS439	630	IVES

REVISIONS

1	
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7	
8	

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-0.2N

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 1 of 19)

Project Name:

SSFUSD - MONTE VERDE

Date Prepared:

2025-11-14

A. General Information

1

Project Name

SSFUSD - MONTE VERDE

2

Run Title

3

Project Location

- specify -

4

City

- specify -

5

Standards Version

Compliance 2022

6

Zip code

94080

7

Compliance Software (version)

CBECC 2022.2.1 SP1 (1298)

8

Climate Zone

3

9

Building Orientation (deg)

90

10

Building Type(s)

• Relocable Public School Building for use in all climate zones Occupancy: E

11

Weather File

OAKLAND-INTL_STYP20.epw

12

Project Scope

• New complete scope

13

Number of Dwelling Units

0

14

Total Conditioned Floor Area in Scope (ft²)

1440

15

Total # of hotel/motel rooms

0

16

Total Unconditioned Floor Area (ft²)

0

17

Fuel Type

None

18

Nonresidential Conditioned Floor Area

1440

19

Total # of Stories (Habitable Above Grade)

1

20

Residential Conditioned Floor Area

0

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 2 of 19)

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance

Envelope (See Table G)

Nonres

Performance

Solar Thermal Water Heating (See Table I3)

☐

Performance

Mechanical (See Table H)

Nonres

Performance

Covered Process: Commercial Kitchens (see Table J)

☐

Performance

Domestic Hot Water (See Table I)

Nonres

Not Included

Covered Process: Laboratory Exhaust (see Table J)

☐

Performance

Lighting (Indoor Conditioned, see Table K)

Nonres

Performance

Photovoltaics (see Table F)

☐

Performance

MultiFam

Not Included

Not Included

Not Included

Not Included

Not Included

Battery (see Table F)

☒

Not Included

☒

Not Included

☒

Not Included

☒

Not Included

The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).

Indoor Lighting (Unconditioned) 140.6 & 170.2(e)

NRCC-LTI-E is required

Outdoor Lighting 140.7 & 170.2(e)

NRCC-LTO-E is required

Sign Lighting 140.8 & 170.2(e)

NRCC-LTS-E is required

Building Components Complying with Mandatory Measures

Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)

Electrical Power Distribution 110.11

NRCC-ELC-E is required

Commissioning 120.8

NRCC-CXR-E is required

Solar and Battery 110.10

NRCC-SAB-E is required

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 3 of 19)

C1. COMPLIANCE SUMMARY

COMPLIES¹

Time Dependent Valuation (TDV)

Source Energy Use

Efficiency¹ (kBtu/ft² - yr)

Total² (kBtu/ft² - yr)

Total² (kBtu/ft² - yr)

Standard Design

212.4

212.4

18.93

Proposed Design

164.56

164.56

13.9

Compliance Margins

47.84

47.84

5.03

Pass

Pass

Pass

¹ Efficiency measures include improvements like a better building envelope and more efficient equipment

² Compliance Totals include efficiency, photovoltaics and batteries

³ Building complies when efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 4 of 19)

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES²

Energy Component

Standard Design (TDV)

Proposed Design (TDV)

Compliance Margin (TDV)¹

Space Heating

19.76

23.02

-3.26

Space Cooling

26.6

29.03

-2.43

Indoor Fans

134.1

89.56

44.54

Heat Rejection

0

0

0

Pumps & Misc.

0

0

0

Domestic Hot Water

0

0

0

Indoor Lighting

31.94

22.95

8.99

Flexibility

EFFICIENCY COMPLIANCE TOTAL

212.4

164.56

47.84 (22.5%)

Photovoltaics

Batteries

TOTAL COMPLIANCE

212.4

164.56

47.84 (22.5%)

¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 5 of 19)

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹

Non-Regulated Energy Component

Standard Design (TDV)

Proposed Design (TDV)

Compliance Margin (TDV)¹

Receptacle

60.45

60.45

Process

Other Ltg

Process Motors

TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)

272.85

225.01

47.84 (17.5%)

¹ Notes: This table is not used for Energy Code Compliance.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 6 of 19)

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

COMPLIES²

Energy Component

Standard Design (SOURCE)

Proposed Design (SOURCE)

Compliance Margin (SOURCE)¹

Space Heating

2.83

3.25

-0.42

Space Cooling

0.53

0.53

0

Indoor Fans

13.03

8.3

4.73

Heat Rejection

0

0

0

Pumps & Misc.

0

0

0

Domestic Hot Water

0

0

0

Indoor Lighting

2.54

1.82

0.72

Flexibility

EFFICIENCY COMPLIANCE TOTAL

18.93

13.9

5.03 (26.6%)

Photovoltaics

Batteries

TOTAL COMPLIANCE

18.93

13.9

5.03 (26.6%)

¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 7 of 19)

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹

Non-Regulated Energy Component

Standard Design (SOURCE)

Proposed Design (SOURCE)

Compliance Margin (SOURCE)¹

Receptacle

4.5

4.5

Process

Other Ltg

Process Motors

TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)

23.43

18.4

5.03 (21.9%)

¹ Notes: This table is not used for Energy Code Compliance.

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1

☐ This project is pursuing CalGreen Tier 2

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 8 of 19)

C7. ENERGY USE SUMMARY

Energy Component

Standard Design Site (MWh)

Proposed Design Site (MWh)

Margin (MWh)

Standard Design Site (MBtu)

Proposed Design Site (MBtu)

Margin (MBtu)

Space Heating

0.9

1.1

-0.2

Space Cooling

0.7

0.6

0.1

Indoor Fans

6.8

4.5

2.3

Heat Rejection

Pumps & Misc.

Domestic Hot Water

Indoor Lighting

1.7

1.3

0.4

Flexibility

Photovoltaics

Batteries

ENERGY USE SUBTOTAL

10.1

7.5

2.6

0

0

0

Receptacle

3.5

3.5

0

Process

Other Ltg

Process Motors

ENERGY USE TOTAL

13.6

11

2.6

0

0

0

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 9 of 19)

C8. ENERGY USE INTENSITY (EUI)

Standard Design (kBtu/ft² / yr)

Proposed Design (kBtu/ft² / yr)

Margin (kBtu/ft² / yr)

Margin Percentage

GROSS EUI¹

32.22

26.06

6.16

19.12

NET EUI¹

32.22

26.06

6.16

19.12

¹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

D1. EXCEPTIONAL CONDITIONS

• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

• The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

• Project is claiming Exception 2 to Section 140.10(a): No PV system is required where the required PV system size is less than 4 kWdc.

• Project is claiming Exception 2 to Section 140.10(b): No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated capacity.

• Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01

02

03

04

Opaque Surfaces & Orientation

Total Gross Surface Area (ft²)

Total Fenestration Area (ft²)

Window to Wall Ratio (%)

North-Facing¹

460

61

13.26

East-Facing²

432

86

19.91

South-Facing³

460

65

14.13

Notes

¹North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),

²East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),

³South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),

⁴West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 10 of 19)

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01

02

03

04

Opaque Surfaces & Orientation

Total Gross Surface Area (ft²)

Total Fenestration Area (ft²)

Window to Wall Ratio (%)

West-Facing¹

396

100

25.25

Total

1748

312

17.85

Roof

1440

0

0

Notes

¹North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),

²East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),

³South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),

⁴West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),

G4. NONRESIDENTIAL AIR BARRIER

01

02

Building Story Name

Air Barrier

BuildingStory 1

Air barrier - not verified

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 12 of 19)

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01

02

03

04

05

06

07

08

09

Fenestration Assembly Name

Fenestration Type/ Product Type / Frame Type

Certification Method¹

Assembly Method

Area (ft²)

Overall U-factor

Overall SHGC

Overall VT

Status²

NFRC #INT-A-73-00213-00011

Vertical fenestration Operable window N/A

NFRC

Site built

312

0.52

0.35

0.61

N

¹ Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

² Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01

02

03

04

05

06

07

08

09

10

11

12

Equipment Name

Equipment Type

Qty

Total Heating Output (kBtu/h)

Supp Heat Output (kBtu/h)

Efficiency Unit

Efficiency

Total Cooling Output (kBtu/h)

Efficiency Unit

Efficiency

Economizer Type (if present)

Status¹

AirSystem 101

Single Package VHP Air System

1

52.5

0

COP

3.3

54.5

EER

11

Fixed DB

N

¹ Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01

02

03

04

05

06

07

08

09

10

11

12

13

Name or Item Tag

Qty

Design OA CFM

Supply Fan

Return / Relief Fan

Status¹

AirSystem 101

1

505.19

CFM

Power

Power Units

Control

Fan Type

CFM

Power

Power Units

Control

N

¹ Status: N - New, A - Altered, E - Existing

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ENERGY
CALCULATIONS

ARCHITECT OF RECORD

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-0.54N

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method ¹	Assembly Method	Area (ft ²)	Overall U-factor	Overall SHGC	Overall VT	Status ²
NFRC #INT-A-73-00213-00011	Vertical fenestration Operable window N/A	NFRC	Site built	312	0.52	0.35	0.61	N

¹ Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

² Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)											
01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling				Status ¹
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	
AirSystem 101	Single Package VHP Air System	1	52.5	0	COP	3.3	54.5	EER	11	Fixed DB	N

² Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY												
01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status ¹
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
AirSystem 101	1	505.19	1,750	1	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

² Status: N - New, A - Altered, E - Existing

01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status ¹
Ex	ThermalZone 101	1	100	0.08	BHP	No	N

¹ Status: N - New, A - Altered, E - Existing

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n) ¹	Other Special Features and Controls
AirSystem 101	Single Package VHP Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

² Yes = Interlocks are provided, No = Interlocks are not provided, NA means no operable openings.

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ThermalZone 101	Education - Classrooms (ages 5-8) Exhaust - Toilets, public Misc - All others	32.91	505.19	100	1440	DCV

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
TerminalUnit 101	Uncontrolled	1	N/A	N/A	1,750	N/A	0	N/A	N/A	N/A	☐

01	02	03	04	05	06
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	1300	510	0	0	0
Restroom	63	51	0	0	0
GeneralStorage	77	51	0	0	0
Building Totals:	1440	612	0	0	0

¹See Table 140.6-C

²See NRCC-LTI-E for unconditioned spaces

³Lighting information for existing spaces modeled is not included in this table

K2. INDOOR CONDITIONED LIGHTING SCHEDULE					
Luminaire Schedule (Includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft ² in offices)					
01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (I.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
SCI - 2x4 LED	---	51	According to 130.0(c)	12	612

¹If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)								
01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-4)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
Classroom 101	Classroom, Lecture, or Training Vocational	N/A	N/A	SCI - 2x4 LED	51	6	306	0
Classroom 101	Classroom, Lecture, or Training Vocational	N/A	N/A	SCI - 2x4 LED	51	4	204	0
Restroom	Restroom	N/A	N/A	SCI - 2x4 LED	51	1	51	0
Storage	GeneralStorage	N/A	N/A	SCI - 2x4 LED	51	1	51	0
Lighting Control Credits (Conditioned) Total (Watts)							0	

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL	
See NRCC-LTI-E for mandatory controls	

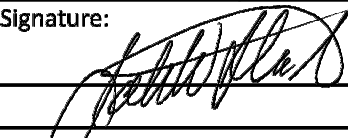
L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).	
Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NFRC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
Mechanical	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	
Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation
Mechanical	NRCV-MCH-32 Local Mechanical Exhaust

Documentation Author's Declaration Statement	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: SILVER CREEK	Documentation Author Signature: 
Company: SILVER CREEK	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip: ,	Phone: 951-943-5393

Responsible Person's Declaration statement	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none">The information provided on this Certificate of Compliance is true and correct.I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.	

Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Envelope
Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Lighting

Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Mechanical

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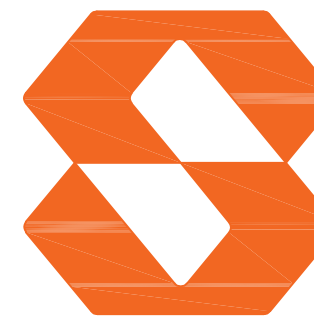
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ENERGY
CALCULATIONS



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



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- 8

SILVER CREEK INDUSTRIES

JOB #: 11657

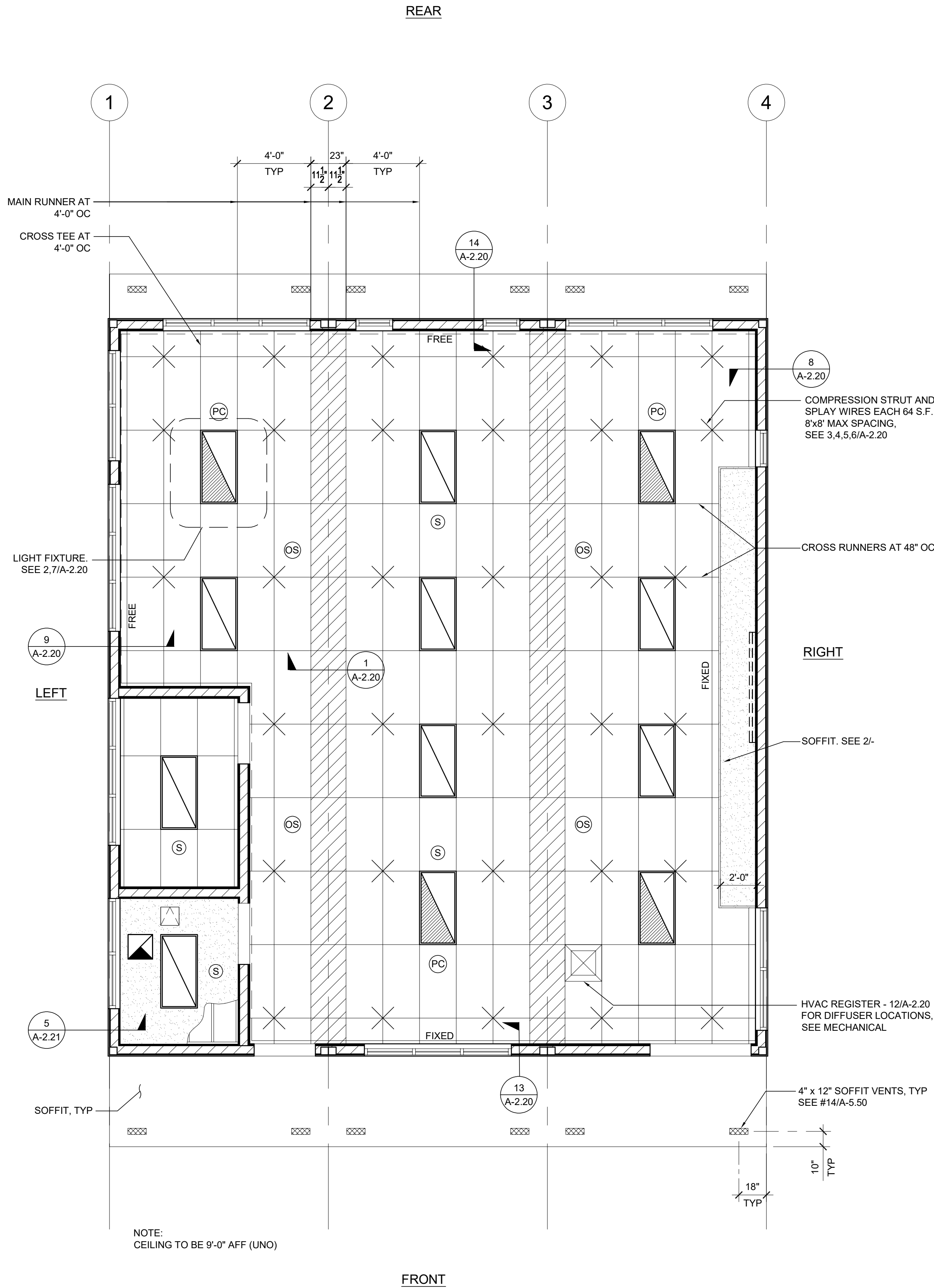
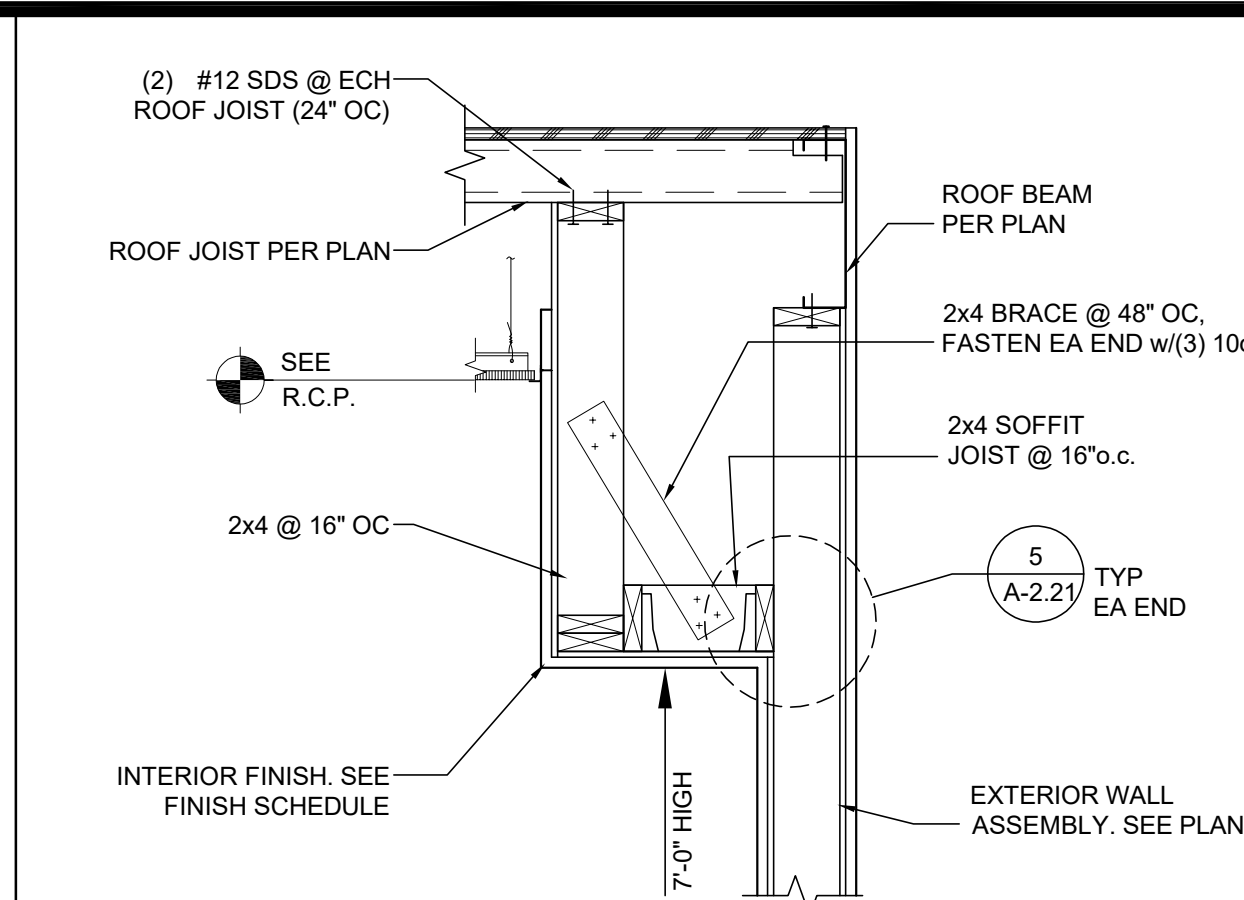
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SCALE: AS NOTED

DATE: 10/18/2025

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A-0.55N

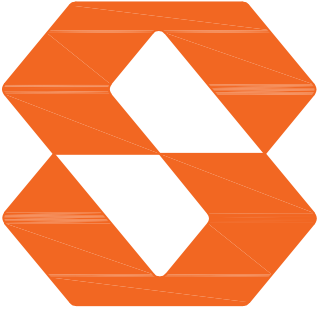


SEE EQUIVALENT PC SHEET A-2.02 FOR NOTES & SYMBOL LEGENDS

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PROJECT NAME:
S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:
REFLECTED CEILING
PLAN


Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

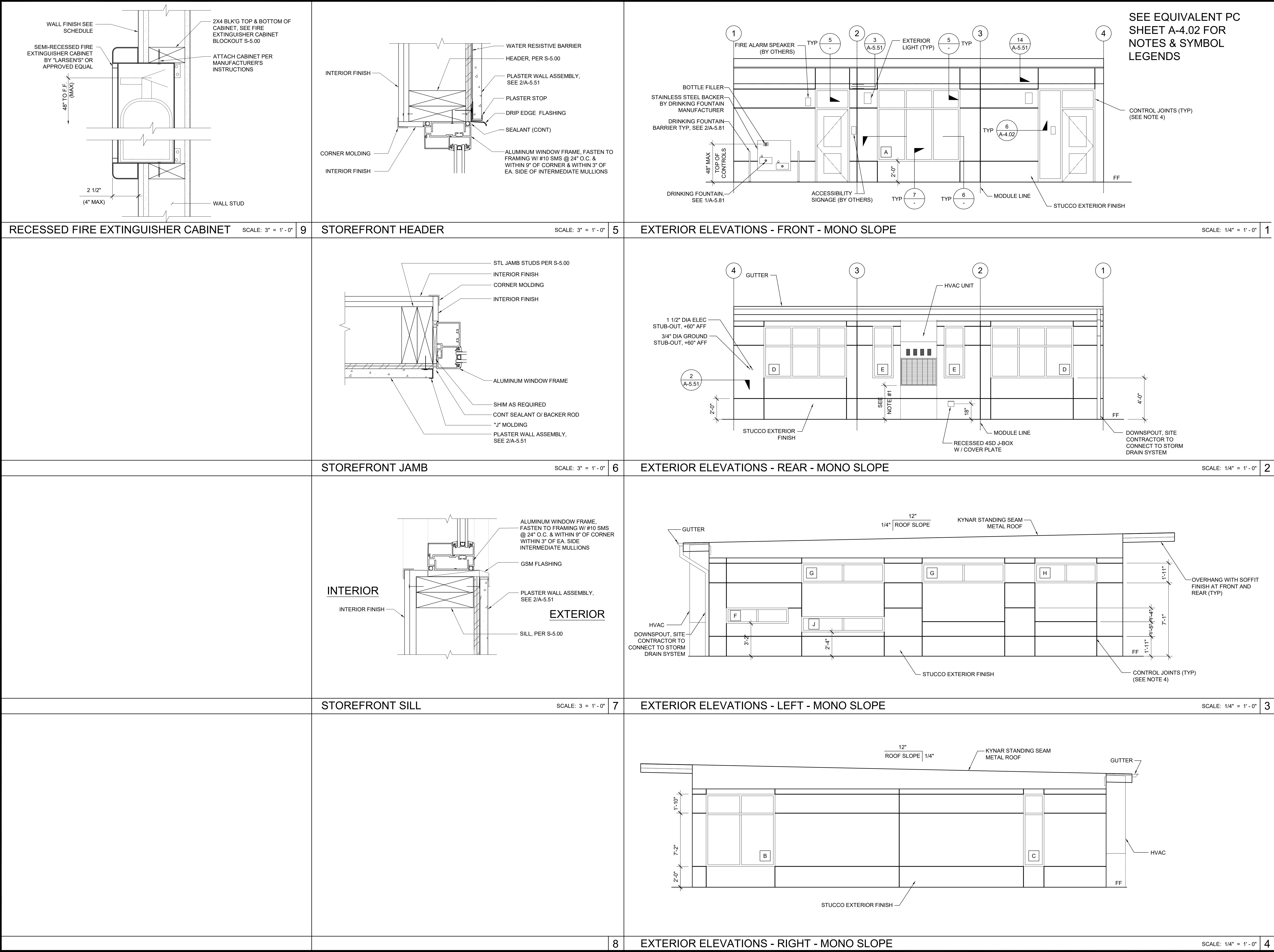
MODULAR STRUCTURAL ENGINEER



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1	
2	
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8	

SILVER CREEK INDUSTRIES	
JOB #:	11657
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A-2.02N



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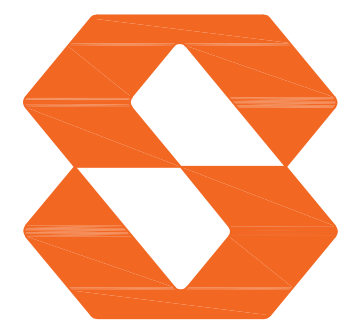
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

EXTERIOR ELEVATION



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

JOB #: 11657

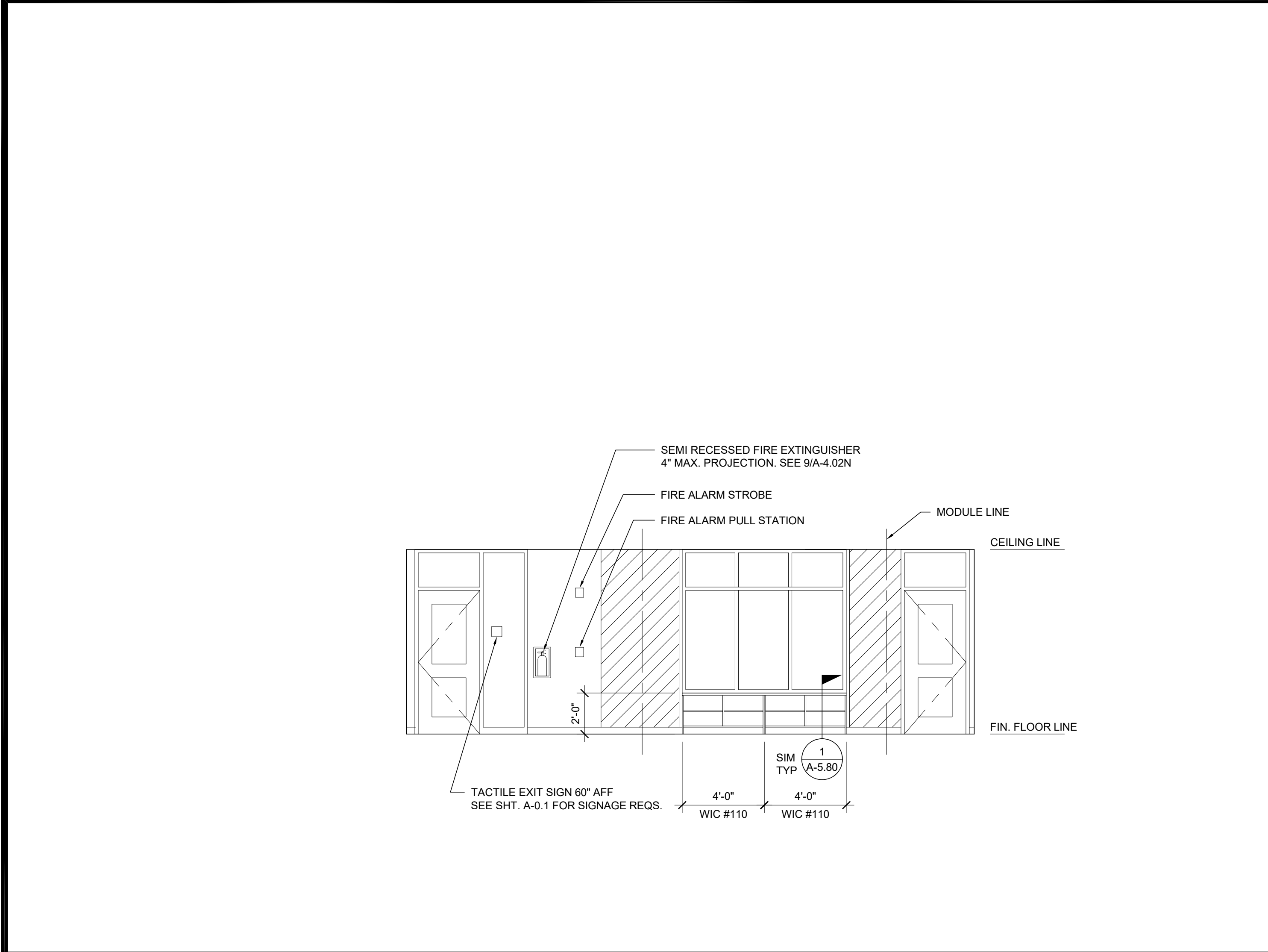
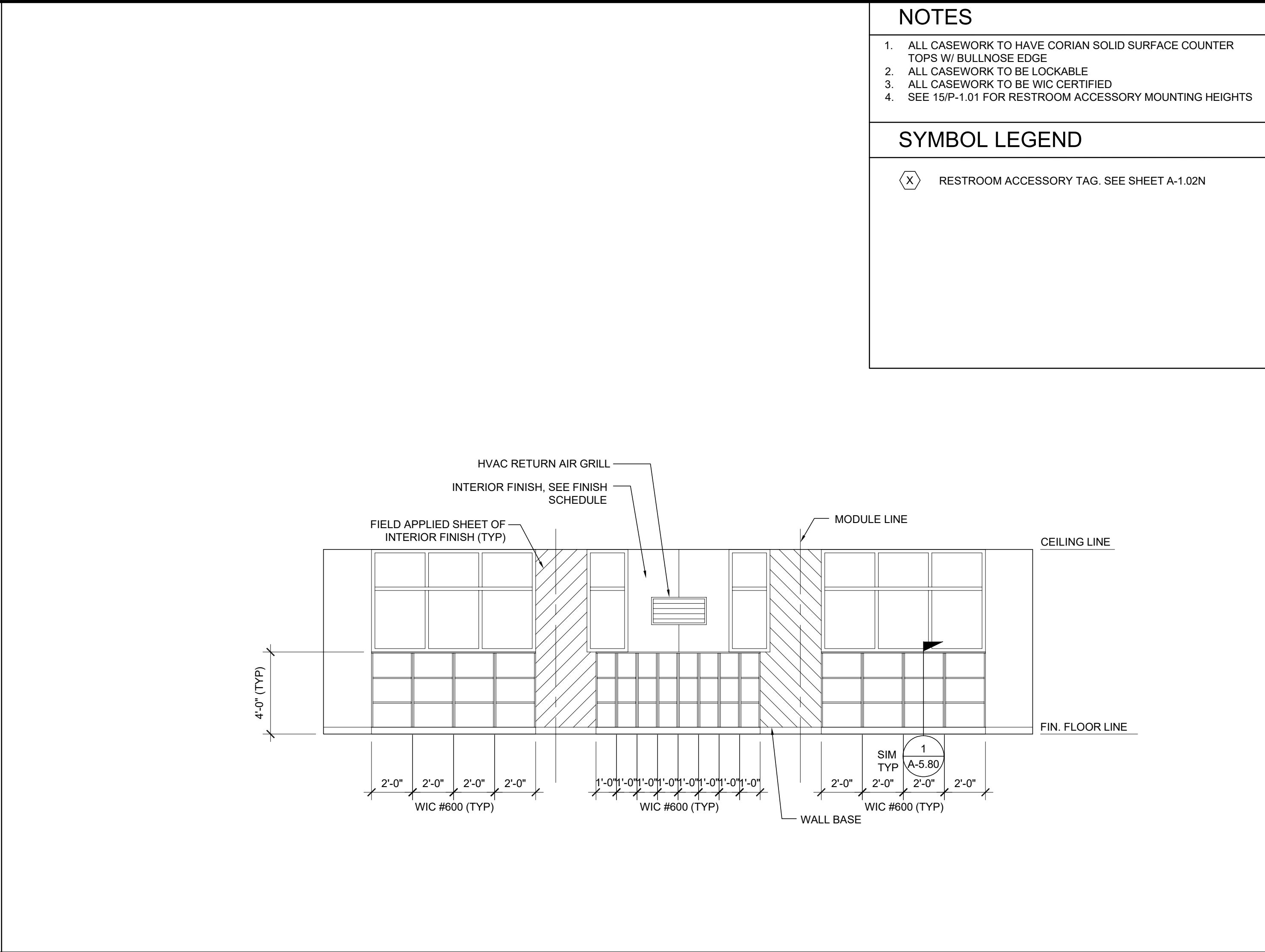
DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-4.02N



NOTES

1.

ALL CASEWORK TO HAVE CORIAN SOLID SURFACE COUNTER TOPS W/ BULLNOSE EDGE

2.

ALL CASEWORK TO BE LOCKABLE

3.

ALL CASEWORK TO BE WIC CERTIFIED

4.

SEE 15/P-1.01 FOR RESTROOM ACCESSORY MOUNTING HEIGHTS

SYMBOL LEGEND

(X)

RESTROOM ACCESSORY TAG. SEE SHEET A-1.02N

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

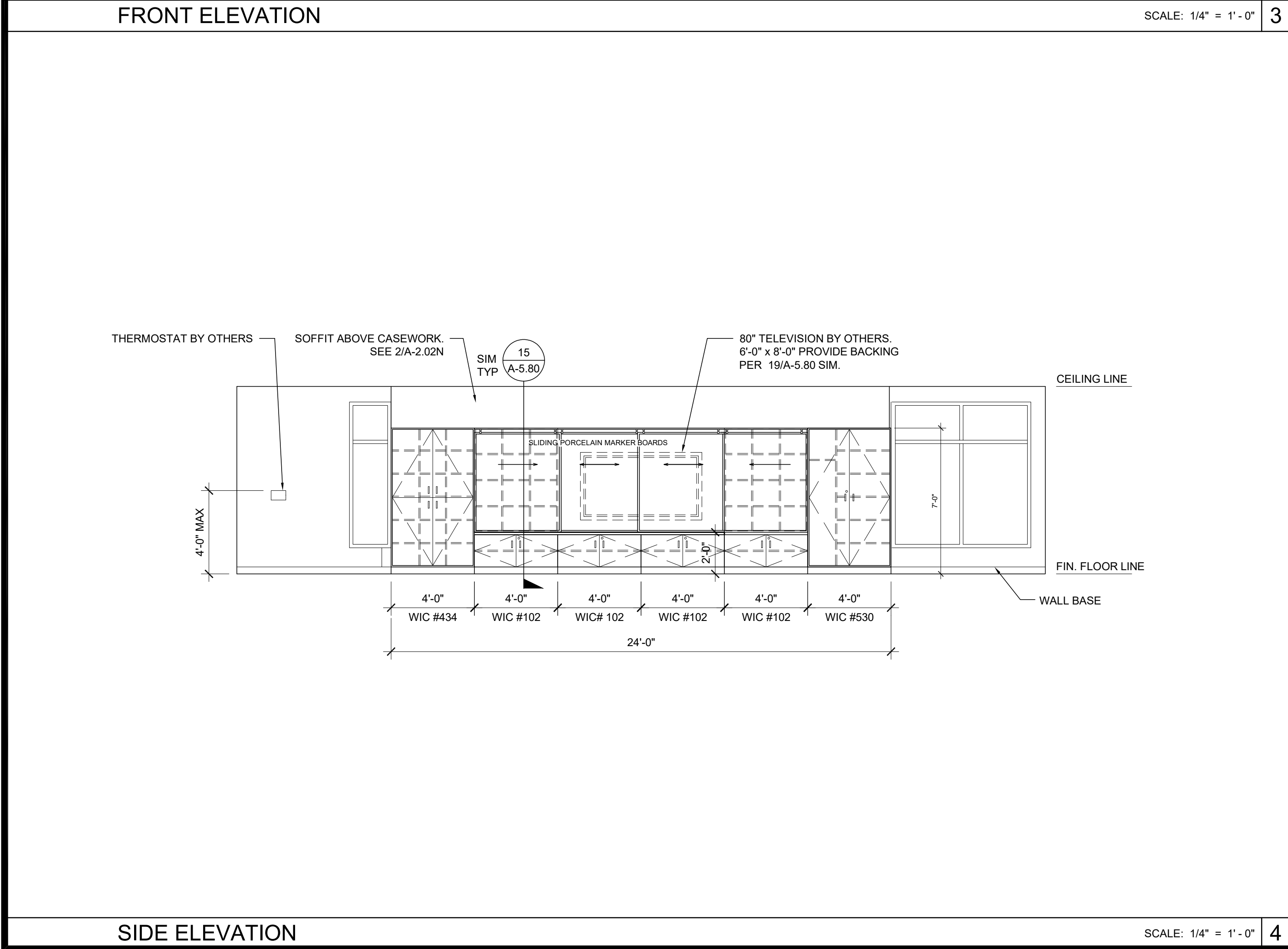
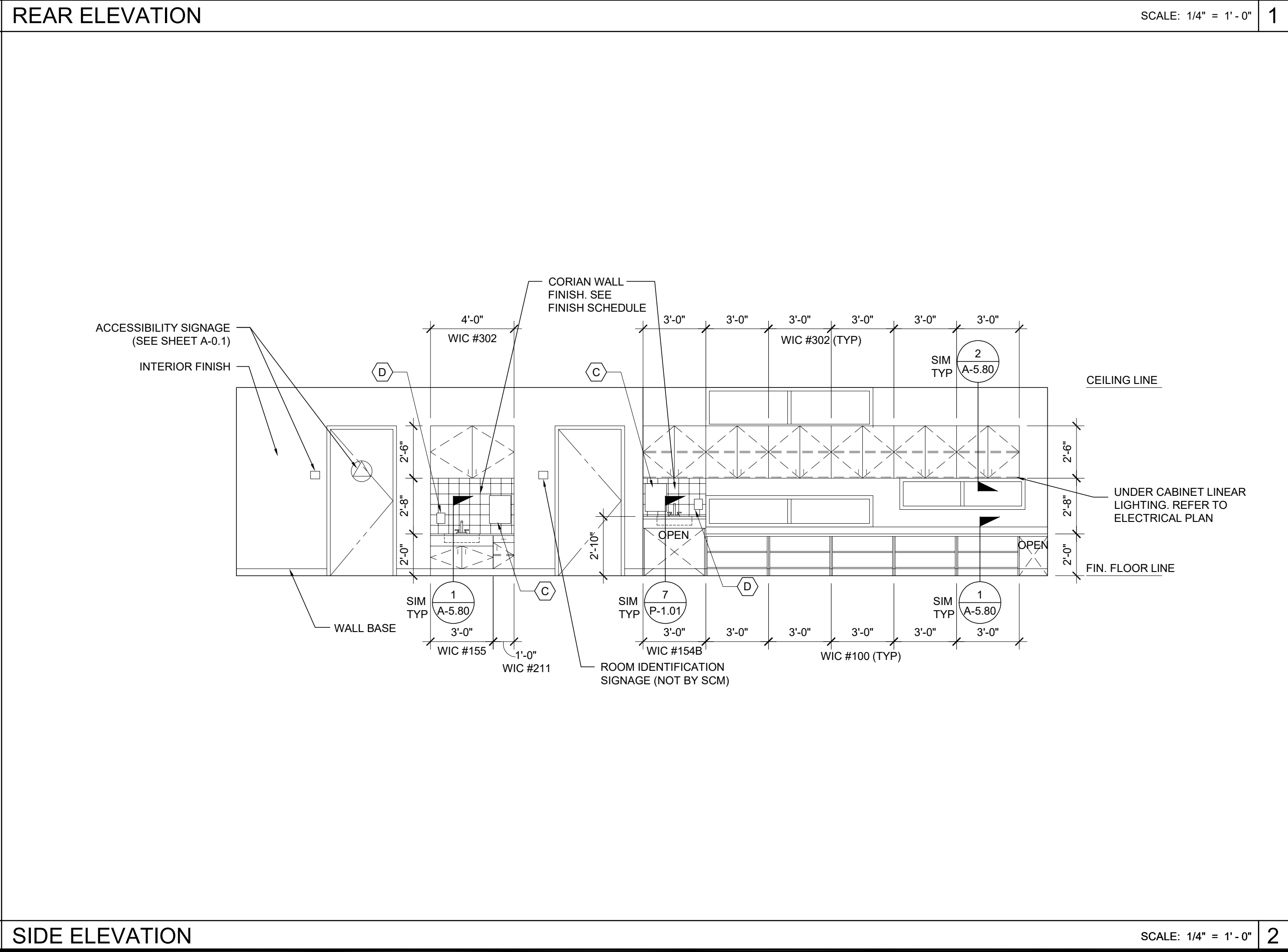
INTERIOR ELEVATIONS



Silver Creek

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PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD



ARCHITECT OF RECORD

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2

3

4

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6

7

8

SILVER CREEK INDUSTRIES

JOB #: 11657

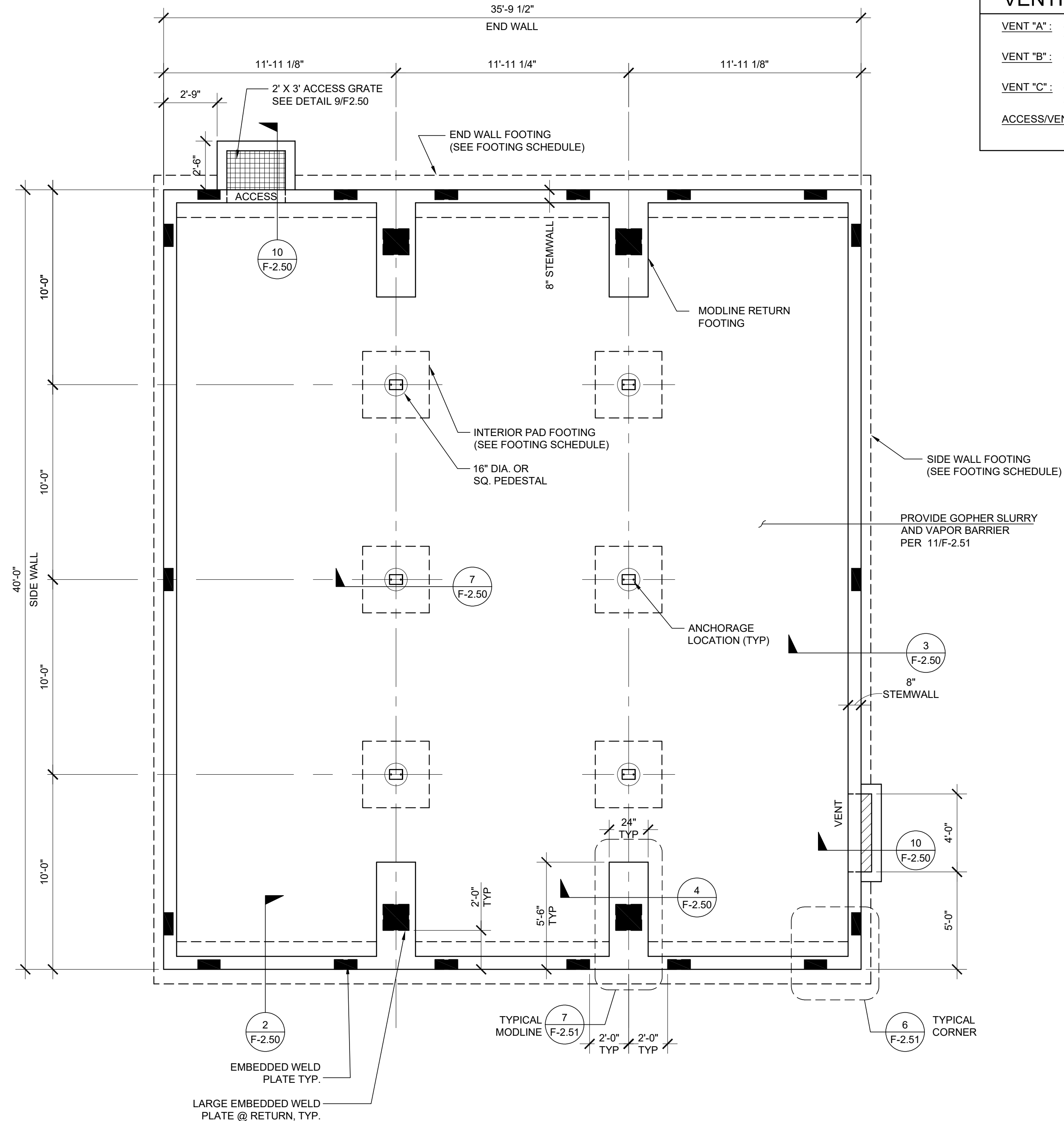
DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/19/2025

SHEET NUMBER

A-6.02N



VENTING CALCULATION:

PROJECT SPECIFIC VENT CALCULATION:

36' x 40' BUILDING; 36' x 40' = 1,440SF / 1500 (VAPOR BARRIER) = 0.96 SF VENT. REQUIRED

TOTAL PROVIDED:

(1) VENT 'C' @ 1.59 EA =	1.59 SF
(1) VENT 'D' @ 4.25 =	<u>4.25 SF</u>

TOTAL SF VENTILATION PROVIDED 5.84

TOTAL PROVIDED 5.84 SF > TOTAL REQUIRED 0.96 SF

VENTING SCHEDULE

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION

VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION

VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION

ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

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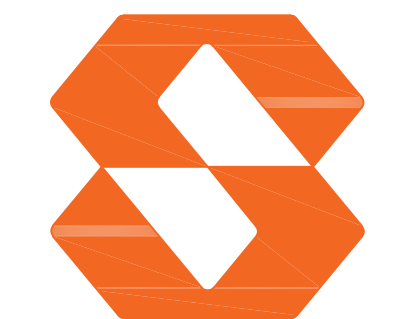
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CONCRETE FOUNDATION PLAN



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS

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SILVER CREEK INDUSTRIES

JOB #:	11657
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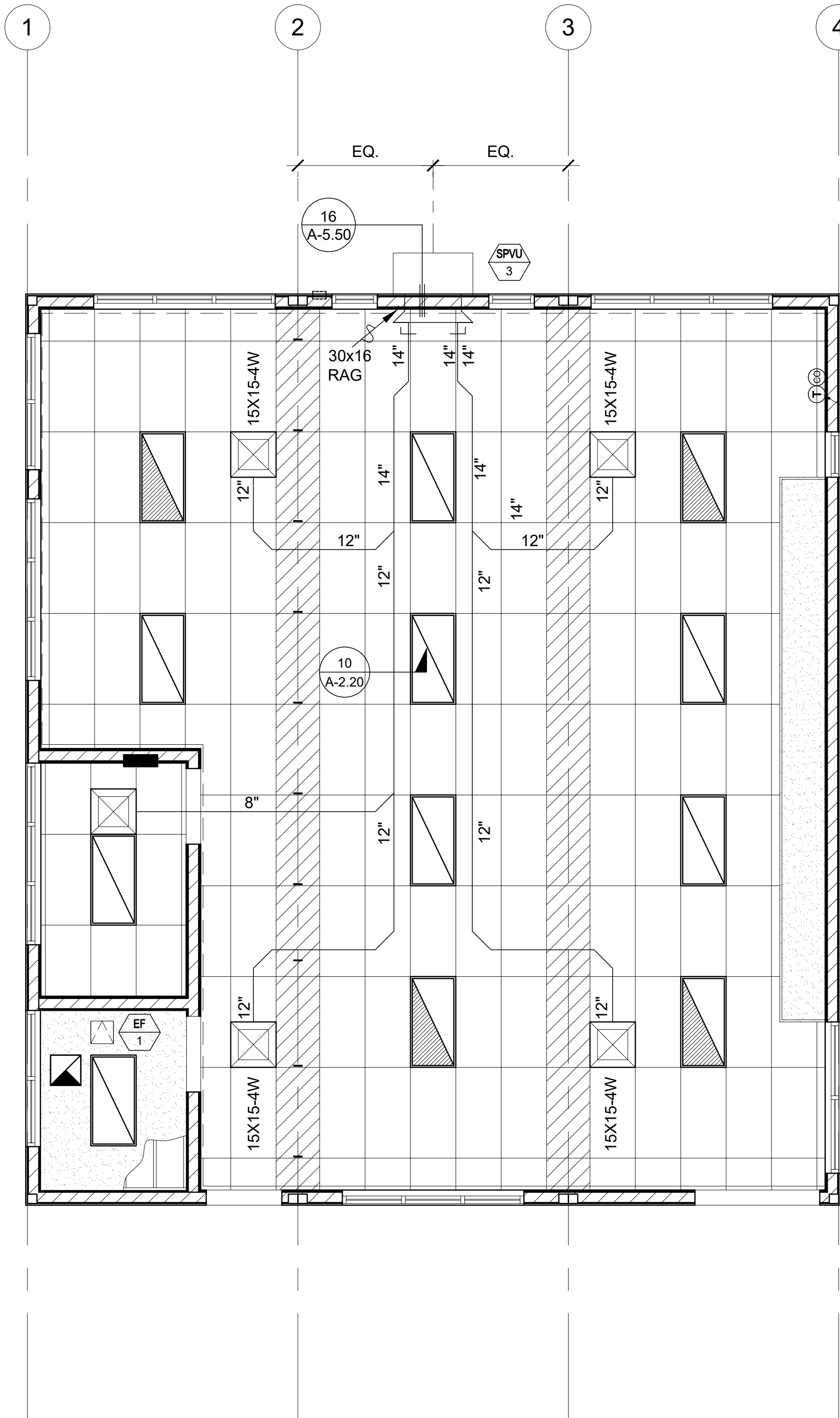
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SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

F-2.11N



THERMOSTAT BY OTHERS.
CONDUIT PATHWAY TO THE
MECHANICAL UNIT BY SCM.
MOUNT AT 48" TO THE TOP
MAX A.F.F.

WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE		
	SPVU-3	
HVAC EQUIPMENT MAKE AND MODEL	BARD C60HF-BOZYN4X4E	
BTUH:		
HEATING	52,500	
COOLING	55,500	
INDOOR/ BLOWER FAN:		
BHP/HP	0.75/0.75	
CFM	1,750	
STRIP HEATING	NA	
SEER	NA	
EER	11.0	
HSPF	NA	
COP	3.3	
VOLTAGE	230/208 - 3	
MCA	28	
MCOP	36	
WIRE SIZE (PWR/ GRND)	8/8	
THERMOSTAT:		
MAKE AND MODEL	INTEGRATED	
CONTROLS	FIXED DRY BULB	
FAULT DETECTION	YES	
OUTSIDE AIR DAMPER POSITION	VARIES	
DEMAND CONTROL VENTILATION	YES	
MINIMUM DCV OUTSIDE AIRE IN CFM	0.15 CFM / SF	
MINIMUM DESIGNED OUTSIDE AIR IN CFM	SEE BELOW	
DEMAND SHED THERMOSTAT	NA	
OPERATING WEIGHT	595 #	

NOTES:
PROVIDE SET-BACK THERMOSTAT.
DESIGNED MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT
PROVIDE AN OCCUPANCY SENSOR WITH AN AUTOMATIC SHUT DOWN CONTROLS
PROVIDE 2" MERV 13 FILTER
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.
PROVIDE A CO2 SENSOR WITH LCD DISPLAY (CARRIER #33ZCSPT02LCD-01 OR EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT +48" AFF.
PROVIDE A HONEYWELL JADE CONTROL SYSTEM (OR EQUAL) CAPABLE OF OUTPUTTING FDD ALARMS TO THE THERMOSTAT PER ENERGY CODE SECTION 120.2(I).
ECONOMIZERS SHALL HAVE AN INTEGRATED BAROMETRIC DAMPER OR OTHER MEANS OF EXHAUSTING THE BUILDING WHEN THE SYSTEM IS DELIVERING 100% OUTSIDE AIR.

MECHANICAL EQUIPMENT SCHEDULE

NOTE:
THIS MECHANICAL SYSTEM SHALL PROVIDE A MINIMUM OUTSIDE AIR RATE OF 0.38 CFM / SF OR 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY THE EXPECTED OCCUPANT LOAD WITH THE SCHOOL DISTRICT PRIOR TO SELECTION OF THE MECHANICAL EQUIPMENT. THE SELECTED EQUIPMENT SHALL BE CAPABLE OF MEETING THE OUTSIDE AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING WILL BE LOCATED. AT THE TIME OF OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO THE BUILDING OWNER A CALCULATION INDICATING THE VOLUMES OF OUTSIDE AIR AND OF RECIRCULATED AIR THAT THE VENTILATION SYSTEM HAS BEEN DESIGNED TO PROVIDE.

VENTILATION CALCULATIONS:

36' X 40' CLASSROOM
REQUIRED VENTILATION BASED ON AREA
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED (BASED ON OCCUPANCY)
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

MINIMUM REQUIRED VENTILATION FOR DCV
ROOM AREA = 1440 SF
REQUIRED VENTILATION RATE = 0.15 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1440 X 0.15 = 216 CFM

SEE EQUIVALENT PC
SHEET M-1.02 FOR NOTES
& SYMBOL LEGENDS

NOTE:
BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

NOTE:
THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.

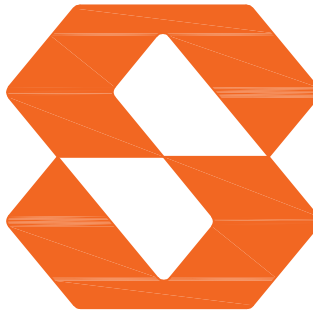
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

MECHANICAL PLAN



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



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1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

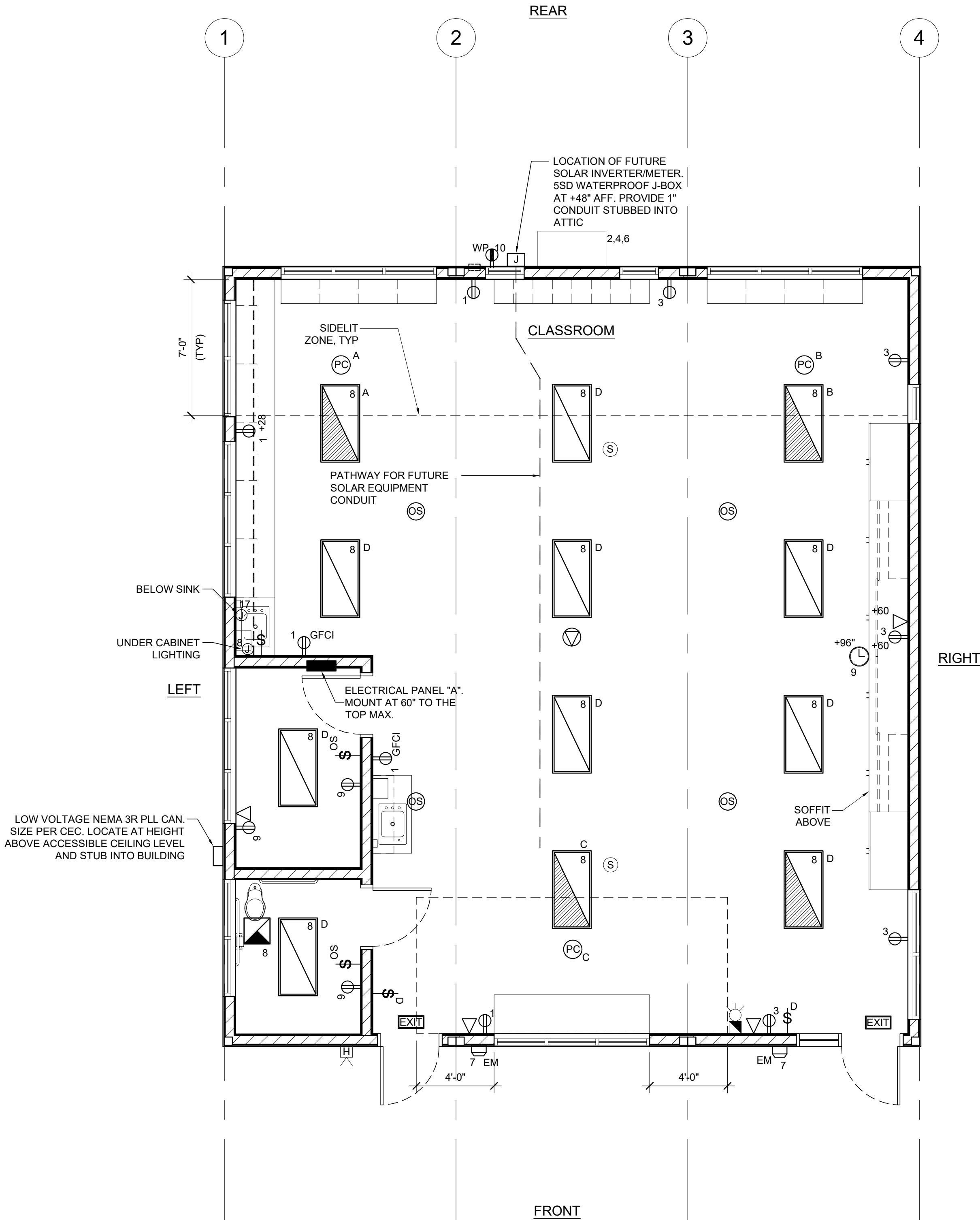
DATE: 10/18/2025

SHEET NUMBER

M-1.02N

PANEL: A		PHASE:		VOLTS:		BUSS:		MAIN:		LOCATION:		FEED:		MOUNTING:	
SERIAL NO:		THREE		120/208		150 AMP		150 AMP		INTERIOR		'1/2" BOTTOM		RECESSED	
OBJECT		WATT	NO	WATTS		WIRE	CKT	LEGS	CKT	WIRE	WATTS	NO	WATT	OBJECT	
DESCRIPTION		PER	OF	A	B	C	BRK	POL	SIZE	NO	A	B	C	LCL	OF
RECEPT		180	5	900			20	1	#12	1	X	2	#6	3	3333
RECEPT		180	5	900			20	1	#12	3	X	4	#6	/	3333
EXT LIGHTS		30	2	x	60		20	1	#12	7	X	8	#12	1	714
RECEPT		180	4		720		20	1	#12	9	X	10	#12	1	20
										11	X	12			
										13	X	14			
										15	X	16			
INSTAHOT - DED		3000	1			3000	25	1	#12	17	X	18			
FUTURE LIGHTING		180	1	X	180					19	X	20			
FUTURE LIGHTING		180	1	X	180					21	X	22			
										23	X	24			
LEG TOTALS		1140		1800	3000						4047	3333	3333	LEG TOTALS	
LCL=283.5+16653=16936.5															
TOTAL WATTS=16936.5															
LEG BALANCE = 10.5%															
TOTAL AMPS: 47.07															

ELECTRICAL PANEL SCHEDULE



ELECTRICAL PLAN

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

SEE EQUIVALENT PC
SHEET E-1.02 FOR NOTES
& SYMBOL LEGENDS

NOTES

- ALL OUTLETS ARE TO BE CHILD PROOF RECEPTACLES
- PROVIDE 24 DATA PATHWAYS STUBBED ABOVE CEILING
- PROVIDE WATT STOPPER LIGHTING CONTROLS

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ELECTRICAL PLAN



Silver Creek

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REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

E-1.02N

MODULAR CLASSROOM BUILDINGS

(WITH OPTIONAL RESTROOM MODULES)

BUILDING SIZE: 24' X 40'

EXPANDABLE TO 120' X 40'

PC 04-121999

BY
SILVER CREEK MODULAR, INC.
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

MONTE VERDE ELEMENTARY SCHOOL

TK-CLASSROOM

PROJECT NO. 11657

GENERAL NOTES

- FIRE ALARM IS NOT PART OF THIS APPROVAL.
- ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3.
- THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
- PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.
- FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
- EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS.
- EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1405.
- SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
- PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL".
- BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
- WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION.
- IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.
- FOR THE CONCRETE BELOW GRADE (AMM*) FOUNDATION OPTION THIS PC USES A DSA APPROVED ALTERNATE MEANS OF COMPLIANCE WITH THE FOUNDATION DURABILITY REQUIREMENTS OF CBC 1402.2 + 1403.2 (WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESISTIVE BARRIER ON WALLS TO FOUNDATION) + 2304.12.1.2 (PROTECTION AGAINST DECAY AND TERMITES). DETAILS ARE PROVIDED ON SHEETS A-5.71 - A-5.78 AS APPLICABLE.
- THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.
- WHEN THE SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A SEALED LETTER FROM A GEOTECHNICAL ENGINEER SHALL BE PROVIDED TO VALIDATE THE APPLICABILITY OF THE ALLOWABLE SOIL BEARING PRESSURES INDICATED ON THE PC DRAWINGS. EXCEPTION: THIS LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN FLOOD ZONE D WHEN A GEOTECHNICAL REPORT IS AVAILABLE FOR IMPROVEMENTS ON THE SAME PROJECT SITE, AND IN ACCORDANCE WITH THE CURRENT CBC, WHICH CONFIRMS THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE OR CONFIRMS THAT THE FLOOD HAZARD DOES NOT RESULT IN A REDUCTION OF SOIL CAPACITY VALUES.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2022 EDITION
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")		
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	2019 EDITION
ASME A17.1 (W/A17.1A CSA B44-2019 ADDENDA)	SAFETY CODE FOR ELEVATORS & ESCALATORS.	2007 EDITION

APPLICABLE CODES

LIST OF 2022 CALIFORNIA CODE OF REGULATIONS

- 2022 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	☐ 60 PSF ☒ 50+15 PSF PARTITION LOAD ☐ 100 PSF ☐ 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	☐ WOOD FLOOR - 11 PSF ☒ CONCRETE FLOOR - 35 PSF
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	☐ 24'x40' BLDG - 960 S.F. ☐ 84'x40' BLDG - 3,360 S.F. ☒ 36'x40' BLDG - 1,440 S.F. ☐ 96'x40' BLDG - 3,840 S.F. ☐ 48'x40' BLDG - 1,920 S.F. ☐ 108'x40' BLDG - 4,320 S.F. * ☐ 60'x40' BLDG - 2,400 S.F. ☐ 120'x40' BLDG - 4,800 S.F. * ☐ 72'x40' BLDG - 2,880 S.F. * SEE S-0.1 FOR GEOTECHNICAL REPORT REQUIREMENT
ALLOWABLE AREA: 9,000 S.F.	
(ALL w/o OVERHANGS)	
FOUNDATION:	☐ WOOD (CONDITIONAL) ☐ CONCRETE ABOVE GRADE ☒ CONCRETE BELOW GRADE (2,000 SF. CONDITIONAL) ☐ CONCRETE BELOW GRADE (MINI. SEE NOTE 15)
CEC CLIMATE ZONE:	☐ ALL ZONES (1-16) ☒ SINGLE ZONE (SEE PROJECT SPECIFIC DRAWINGS)
ALLOWABLE SOIL PRESSURE	
WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,000 psf
CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,500 psf
ROOF SNOW LOAD	
GROUND SNOW LOAD, P_g FROM COUNTY	0
ROOF SNOW LOAD: ☒ FLAT P_f OR ☐ LOW-SLOPE, P_{fs} OR ☐ SLOPED, P_s	
SNOW EXPOSURE FACTOR C_e	-
SNOW IMPORTANCE FACTOR I_s	1.0
THERMAL FACTOR C_t	-
FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)	
FLOOD HAZARD AREA	YES ☐ NO ☒
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST) V_{ult}	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K_{zt}	1
SEISMIC DESIGN	
LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)	E
SEISMIC IMPORTANCE FACTOR I_p	1.0
SEISMIC RESPONSE COEFFICIENT C_s	0.45
RESPONSE MODIFICATION COEFFICIENT R	3.5
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_s	2.8
SHORT PERIOD SITE COEFFICIENT F_a	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_{DS}	2.23 +++
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_1	1.064 ++
LONG PERIOD SITE COEFFICIENT, F_v	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_{D1}	1.2
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR R_{ho}	1.0
FUNDAMENTAL PERIOD T	< 0.5s
++ PER SUPPLEMENT 3 OF ASCE 7-16, STRUCTURES SITUATED IN SITE CLASS D WITH S_1 VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM_1 , DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS OF SM_1	
+++ FOR THE PURPOSES OF CALCULATING C_s (PER ASCE 7-16 12.8.1.3) $S_{DS} = 1.56$	

FOR SITE SPECIFIC PROJECT

☐ SOLAR PV IS REQUIRED AND REFERENCE SHEET A-0.7

☒ GEOTECH REPORT IS REQUIRED

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS

☐ DESIGN BASED ON SITE CLASS $D_{default}$

NO GEOTECHNICAL INVESTIGATION REQUIRED

$S_s =$ _____ $F_a = 1.2$

☒ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

GEOTECHNICAL INVESTIGATION PROVIDED

SITE CLASS: ☒ C ☐ D

$S_s = 2.46$ $F_a = 1.2$ PER ASCE 7-16 SUPPL. 3, TABLE 11.4-1

☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16

SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{Dp} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION

CGS APPROVAL REQUIRED

NOT ELIGIBLE FOR QTC REVIEW

SITE CLASS: ☐ C ☐ D

$S_{DS} = \frac{2}{3} F_a S_s = 1.948$

☒ SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times 1.948 = 1.3636 \leq 1.56$

$C_s = 0.45$ USED IN DESIGN

SEISMIC DESIGN CATEGORY: ☒ D ☐ E

* SITE SPECIFIC S_{Dp} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3

NOTE:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

SHEET INDEX

SHEET ARCHITECTURAL

- A-0 COVER SHEET
- A-0A T & I FORMS
- A-0B T & I FORMS
- A-0.1 SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
- A-0.2 SCHEDULES
- A-0.3 TYPICAL KEY PLANS - 24' TO 120' x 40'
- ~~A-0.40 DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC~~
- ~~A-0.51 DESIGN ENERGY VALUES - CONC FLOOR - WALL HVAC~~
- ~~A-0.60 DESIGN ENERGY VALUES - WOOD FLOOR - ROOF HVAC~~
- ~~A-0.60 DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC~~
- ~~A-0.61 PRF FORMS - ZONE 24'x40 - 14 WORST CASE~~
- ~~A-0.66 PRF FORMS - ZONE 24'x40 - 16 WORST CASE~~
- ~~A-0.66 PRF FORMS - ZONE 24'x40 - 16 WORST CASE~~
- ~~A-0.57 PRF FORMS - ZONE 36x40 - 14 WORST CASE~~
- ~~A-0.58 PRF FORMS - ZONE 36x40 - 15 WORST CASE~~
- ~~A-0.59 PRF FORMS - ZONE 36x40 - 16 WORST CASE~~
- ~~A-0.6A CERTIFICATE OF COMPLIANCE FORMS~~
- ~~A-0.6B CERTIFICATE OF COMPLIANCE FORMS~~
- ~~A-0.6C CERTIFICATE OF COMPLIANCE FORMS~~
- ~~A-0.60 SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS~~
- ~~A-0.66 TWO MODULE TOILET BUILDING COMPLIANCE FORMS~~
- A-0.7 PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPECS

- ~~A-1.01 FLOOR PLAN - 24' x 40'~~
- ~~A-1.02 FLOOR PLAN - 36' x 40'~~
- ~~A-1.03 FLOOR PLAN - 48' TO 120' x 40'~~
- ~~A-1.04 OPTIONAL RESTROOM END MODULE ADULT HEIGHT PLANS & ELEVATIONS~~
- ~~A-1.04 OPTIONAL RESTROOM END MODULE ALTERNATE HEIGHT PLANS~~
- ~~A-1.06 OPTIONAL RESTROOM END MODULE PLUMBING PLAN~~
- ~~A-1.06 TOILET BUILDING 24' x 40' ADULT HEIGHT PLANS & ELEVATIONS~~
- ~~A-1.06A TOILET BUILDING 24' x 40' ALTERNATE HEIGHT PLANS~~
- ~~A-1.07 TOILET BUILDING 24' x 40' PLUMBING PLAN~~
- ~~A-1.08 TOILET BUILDING 24' x 40' INTERIOR ELEVATIONS~~
- ~~A-2.01 REFLECTED CEILING PLAN - 24' x 40'~~
- ~~A-2.02 REFLECTED CEILING PLAN - 36' x 40'~~
- ~~A-2.03 REFLECTED CEILING PLAN - 48' TO 120' x 40'~~
- ~~A-2.20 CEILING DETAILS - T-GRID~~
- ~~A-2.21 CEILING DETAILS - HARD LID~~
- ~~A-3.01 ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE~~
- ~~A-3.02 ROOF PLAN - 36' x 40' - METAL DECK - MONO OR DUAL SLOPE~~
- ~~A-3.03 ROOF PLAN - 48' TO 120' x 40' - METAL DECK - MONO SLOPE~~
- ~~A-3.04 ROOF PLAN - 48' TO 120' x 40' - METAL DECK - DUAL SLOPE~~

- ~~A-3.01 ROOF PLAN - 24' x 40' - PARAPET - MONO OR DUAL SLOPE~~
- ~~A-3.02 ROOF PLAN - 36' x 40' - PARAPET - MONO OR DUAL SLOPE~~
- ~~A-3.03 ROOF PLAN - 48' TO 120' x 40' - PARAPET - MONO SLOPE~~
- ~~A-3.04 ROOF PLAN - 48' TO 120' x 40' - PARAPET - DUAL SLOPE~~
- ~~A-3.11 ROOF PLAN - 24' x 40' - TPO - MONO OR DUAL SLOPE~~
- ~~A-3.12 ROOF PLAN - 36' x 40' - TPO - MONO OR DUAL SLOPE~~
- ~~A-3.13 ROOF PLAN - 48' TO 120' x 40' - TPO - MONO SLOPE~~
- ~~A-3.14 ROOF PLAN - 48' TO 120' x 40' - TPO - DUAL SLOPE~~

- A-3.50 ROOF DETAILS - STANDING SEAM ROOF DECK
- ~~A-3.60 ROOF DETAILS - PARAPET~~
- ~~A-3.60 ROOF DETAILS - TPO ROOF~~

- ~~A-4.01 EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE~~
- ~~A-4.02 EXTERIOR ELEVATIONS - 36' x 40' - MONO SLOPE~~
- ~~A-4.03 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - DUAL SLOPE~~
- ~~A-4.04 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - MONO SLOPE~~
- ~~A-4.05 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - DUAL SLOPE~~

- ~~A-4.01 EXTERIOR ELEVATIONS - 24' x 40' - PARAPET - MONO OR DUAL SLOPE~~
- ~~A-4.02 EXTERIOR ELEVATIONS - 36' x 40' - PARAPET - MONO OR DUAL SLOPE~~
- ~~A-4.03 EXTERIOR ELEVATIONS - 48' TO 120' x 40' - PARAPET - MONO OR DUAL SLOPE~~

- A-5.01 CROSS SECT. - MONO SLOPE
- ~~A-5.02 CROSS SECT. - DUAL SLOPE~~
- A-5.05 CROSS SECTION

- ~~A-5.50 ARCHITECTURAL DETAILS - WOOD STUD - GIPS~~
- ~~A-5.51 ARCHITECTURAL DETAILS - WOOD STUD - PLASTER~~
- ~~A-5.52 ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED~~
- ~~A-5.53 ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED~~

- ~~A-5.60 ARCHITECTURAL DETAILS - STEEL STUD - GIPS~~
- ~~A-5.61 ARCHITECTURAL DETAILS - STEEL STUD - PLASTER~~
- ~~A-5.62 ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED~~
- ~~A-5.63 ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED~~
- ~~A-5.64 ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS~~

- A-5.70 ARCHITECTURAL DETAILS - FLOOR
- ~~A-5.71 DETERIORATION PROTECTION - NON WD SIDING - CONCRETE - WD STUDS~~
- ~~A-5.72 DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - WD STUDS~~
- ~~A-5.73 DETERIORATION PROTECTION - NON WD SIDING - WB FLR - WD STUDS~~
- ~~A-5.74 DETERIORATION PROTECTION - STUCCO FINISH - WB FLR - WD STUDS~~
- ~~A-5.75 DETERIORATION PROTECTION - NON WD SIDING - CONCRETE - STL STUDS~~
- ~~A-5.76 DETERIORATION PROTECTION - STUCCO FINISH - CONCRETE - STL STUDS~~
- ~~A-5.77 DETERIORATION PROTECTION - NON WD SIDING - WB FLR - STL STUDS~~
- ~~A-5.78 DETERIORATION PROTECTION - STUCCO FINISH - WB FLR - STL STUDS~~

- A-5.80 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
- A-5.81 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS

- ~~A-6.01 INTERIOR ELEVATIONS - 24' x 40'~~
- ~~A-6.02 INTERIOR ELEVATIONS - 36' x 40'~~
- ~~A-6.03 INTERIOR ELEVATIONS - 48' TO 120' x 40'~~

SHEET FOUNDATION

- ~~F-0.01 WOOD FOUNDATION PLAN - 24' x 40' - (60 PSF)~~
- ~~F-0.02 WOOD FOUNDATION PLAN - 24' x 40' - (60 PSF)~~
- ~~F-0.03 WOOD FOUNDATION PLAN - 24' x 40' - (180 PSF)~~
- ~~F-0.04 WOOD FOUNDATION PLAN - 24' x 40' - (180 PSF)~~
- ~~F-0.11 WOOD FOUNDATION PLAN - 36' x 40' - (60 PSF)~~
- ~~F-0.12 WOOD FOUNDATION PLAN - 36' x 40' - (60 PSF)~~
- ~~F-0.13 WOOD FOUNDATION PLAN - 36' x 40' - (180 PSF)~~
- ~~F-0.14 WOOD FOUNDATION PLAN - 36' x 40' - (180 PSF)~~
- ~~F-0.21 WOOD FOUNDATION PLAN - 48' x 40' - (60 PSF)~~
- ~~F-0.22 WOOD FOUNDATION PLAN - 48' x 40' - (60 PSF)~~
- ~~F-0.23 WOOD FOUNDATION PLAN - 48' x 40' - (180 PSF)~~
- ~~F-0.24 WOOD FOUNDATION PLAN - 48' x 40' - (180 PSF)~~
- ~~F-0.30 FOUNDATION DETAILS - WOOD~~

- ~~F-1.01 CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR~~
- ~~F-1.11 CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR~~
- ~~F-1.01 CONCRETE FOUNDATION DETAILS - ABOVE GRADE~~
- ~~F-2.01 CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR~~
- F-2.11 CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
- F-2.50 CONCRETE FOUNDATION DETAILS - BELOW GRADE
- F-2.51 FOUNDATION DETAILS - CONCRETE

SHEET STRUCTURAL

- S-0.1 STRUCTURAL SPECIFICATIONS
- ~~S-1.01 FLOOR FRAMING PLAN - WOOD FLOOR~~
- S-1.11 FLOOR FRAMING PLAN - CONCRETE FLOOR
- ~~S-1.03 FLOOR FRAMING DETAILS - WOOD FLOOR~~
- S-1.60 FLOOR FRAMING DETAILS - CONCRETE FLOOR
- S-2.01 ROOF FRAMING PLAN - MONO SLOPE
- ~~S-2.03 ROOF FRAMING PLAN - PARAPET - MONO SLOPE~~
- ~~S-2.11 ROOF FRAMING PLAN - DUAL SLOPE~~
- ~~S-2.13 ROOF FRAMING PLAN - PARAPET - DUAL SLOPE~~
- S-2.50 ROOF FRAMING DETAILS - MONO SLOPE
- ~~S-2.01 ROOF FRAMING DETAILS - DUAL SLOPE~~
- S-2.60 ROOF FRAMING DETAILS
- ~~S-2.70 ROOF FRAMING DETAILS - PARAPET~~
- S-2.90 ROOF FRAMING DETAILS - TRUSS

- S-3.01 BUILDING SECTION - MONO SLOPE
- ~~S-3.02 BUILDING SECTION - DUAL SLOPE~~

- S-5.00 WALL FRAMING ELEVATIONS - WOOD STUDS
- S-5.10 WALL FRAMING DETAILS - WOOD STUDS
- S-5.11 WALL FRAMING DETAILS - WOOD STUDS
- ~~S-5.03 WALL FRAMING ELEVATIONS - STEEL STUDS~~
- ~~S-5.05 WALL FRAMING DETAILS - STEEL STUDS~~
- ~~S-5.04 WALL FRAMING DETAILS - STEEL STUDS~~

SHEET PLUMBING

- P-1.01 PLUMBING DETAILS AND SCHEDULE

SHEET MECHANICAL

- M-0.1 MECHANICAL NOTES, SCHEDULES, AND DETAILS
- ~~M-1.01 MECHANICAL PLAN - WALL MOUNT - 24' x 40'~~
- M-1.02 MECHANICAL PLAN - WALL MOUNT - 36' x 40'
- ~~M-1.03 MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'~~
- ~~M-2.01 MECHANICAL PLAN - ROOF MOUNT - 24' x 40'~~
- ~~M-2.02 MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40'~~
- ~~M-2.04 MECHANICAL PLAN - ROOF MOUNT - 36' x 40'~~
- ~~M-2.03 MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40'~~
- ~~M-1.04 MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'~~
- ~~M-1.02 MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'~~

SHEET ELECTRICAL

- ~~E-1.01 ELECTRICAL PLAN AND SCHEDULE - 24' x 40'~~
- E-1.02 ELECTRICAL PLAN AND SCHEDULE - 36' x 40'
- ~~E-1.03 ELECTRICAL PLAN AND SCHEDULE - 48' TO 120' x 40'~~

SHEET RAMP

- ~~R-1.01 RAMP LANDING~~
- ~~R-1.02 GIFT RAMP PLAN~~
- ~~R-1.03 RAMP LANDING~~
- ~~R-1.04 STANDARD LANDING WITH STEPS~~
- ~~R-1.05 GYTHORBACK RAMP PLAN~~
- ~~R-2.01 RAMP DETAILS~~
- ~~R-3.01 STANDARD CONCRETE RAMP AND DETAILS~~

SHEET RELOCATABLE SHEETS

- ~~REL-101 BUILDING RELOCATION DETAILS~~
- ~~REL-102 BUILDING RELOCATION DETAILS~~

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

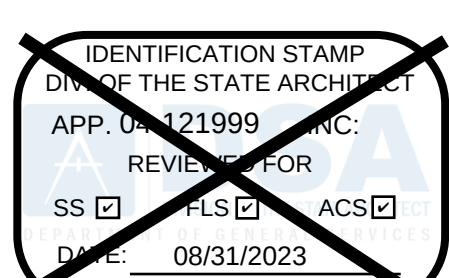
SHEET TITLE:

COVER SHEET

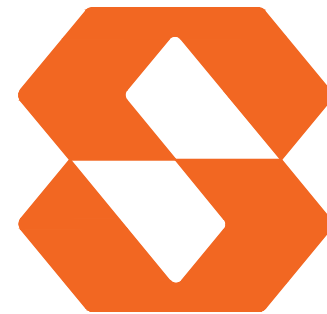
REVISIONS

- 1
- 2
- 3
- 4
- 5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. General and structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record Laboratory of Record or Special Inspector. The actual complete test and inspection program must be performed as detailed on the project's structural documents. The appendices at the bottom of the form are provided for the project's special inspection or structural testing. The project inspector is responsible for providing inspection of all fabrics of construction, including but not limited to, special inspections not noted in this form such as structural wood framing, high-strength wood products, cold-formed steel framing, anchorage of non-structural components, etc. See Appendix A, Section 1.1.1, for the **2022 CBC**.

***NOTE:** Undefined section and table references found in this document are from the CBC or California Building Code.

KEY TO COLUMN		PERFORMED BY	
1. TYPE		Geotechnical Engineer	Inspector
Continuous – Indicates that a continuous special inspection is required		Laboratory of Record (LOR) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.	
Fabricate – Indicates that a periodic special inspection is required		LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory approved by the CSA (California Laboratory of Record) and listed in Section 1.1.1, or an approved per TWSA, as set forth in Section 1.1.1.3, Appendix A and in the form for examples.	
Self – Indicates that a test is required		P (Project Inspector) – Indicates that the special inspection may be performed by the project inspector, provided that the project inspector is approved by the project engineer specifically approved by DSA.	
Self – Indicates that a test is required		S (Special Inspector) – Indicates that the special inspection shall be performed by an appropriately qualified specialized special inspector.	
C1. CAST-IN-PLACE CONCRETE			
General or Special Inspection			
a. Verify cure of required design joints	Periodic	Self	See Code References and Notes
b. Verify cure of required design joints	Periodic	Self	Table TWSA-3.10 Section 1.1.1, 1915A.1.
c. Verify, sample and test reinforcing steel	Test	LOR	1915A.2, 1915A.3 and in the form for examples 26A.1.2, 26B.1.1, 26B.1.2, 26B.1.3, 26B.1.4, 26B.1.5, 26B.1.6, 26B.1.7, 26B.1.8, 26B.1.9, 26B.1.10, 26B.1.11, 26B.1.12, 26B.1.13, 26B.1.14, 26B.1.15, 26B.1.16, 26B.1.17, 26B.1.18, 26B.1.19, 26B.1.20, 26B.1.21, 26B.1.22, 26B.1.23, 26B.1.24, 26B.1.25, 26B.1.26, 26B.1.27, 26B.1.28, 26B.1.29, 26B.1.30, 26B.1.31, 26B.1.32, 26B.1.33, 26B.1.34, 26B.1.35, 26B.1.36, 26B.1.37, 26B.1.38, 26B.1.39, 26B.1.40, 26B.1.41, 26B.1.42, 26B.1.43, 26B.1.44, 26B.1.45, 26B.1.46, 26B.1.47, 26B.1.48, 26B.1.49, 26B.1.50, 26B.1.51, 26B.1.52, 26B.1.53, 26B.1.54, 26B.1.55, 26B.1.56, 26B.1.57, 26B.1.58, 26B.1.59, 26B.1.60, 26B.1.61, 26B.1.62, 26B.1.63, 26B.1.64, 26B.1.65, 26B.1.66, 26B.1.67, 26B.1.68, 26B.1.69, 26B.1.70, 26B.1.71, 26B.1.72, 26B.1.73, 26B.1.74, 26B.1.75, 26B.1.76, 26B.1.77, 26B.1.78, 26B.1.79, 26B.1.80, 26B.1.81, 26B.1.82, 26B.1.83, 26B.1.84, 26B.1.85, 26B.1.86, 26B.1.87, 26B.1.88, 26B.1.89, 26B.1.90, 26B.1.91, 26B.1.92, 26B.1.93, 26B.1.94, 26B.1.95, 26B.1.96, 26B.1.97, 26B.1.98, 26B.1.99, 26B.1.100, 26B.1.101, 26B.1.102, 26B.1.103, 26B.1.104, 26B.1.105, 26B.1.106, 26B.1.107, 26B.1.108, 26B.1.109, 26B.1.110, 26B.1.111, 26B.1.112, 26B.1.113, 26B.1.114, 26B.1.115, 26B.1.116, 26B.1.117, 26B.1.118, 26B.1.119, 26B.1.120, 26B.1.121, 26B.1.122, 26B.1.123, 26B.1.124, 26B.1.125, 26B.1.126, 26B.1.127, 26B.1.128, 26B.1.129, 26B.1.130, 26B.1.131, 26B.1.132, 26B.1.133, 26B.1.134, 26B.1.135, 26B.1.136, 26B.1.137, 26B.1.138, 26B.1.139, 26B.1.140, 26B.1.141, 26B.1.142, 26B.1.143, 26B.1.144, 26B.1.145, 26B.1.146, 26B.1.147, 26B.1.148, 26B.1.149, 26B.1.150, 26B.1.151, 26B.1.152, 26B.1.153, 26B.1.154, 26B.1.155, 26B.1.156, 26B.1.157, 26B.1.158, 26B.1.159, 26B.1.160, 26B.1.161, 26B.1.162, 26B.1.163, 26B.1.164, 26B.1.165, 26B.1.166, 26B.1.167, 26B.1.168, 26B.1.169, 26B.1.170, 26B.1.171, 26B.1.172, 26B.1.173, 26B.1.174, 26B.1.175, 26B.1.176, 26B.1.177, 26B.1.178, 26B.1.179, 26B.1.180, 26B.1.181, 26B.1.182, 26B.1.183, 26B.1.184, 26B.1.185, 26B.1.186, 26B.1.187, 26B.1.188, 26B.1.189, 26B.1.190, 26B.1.191, 26B.1.192, 26B.1.193, 26B.1.194, 26B.1.195, 26B.1.196, 26B.1.197, 26B.1.198, 26B.1.199, 26B.1.200, 26B.1.201, 26B.1.202, 26B.1.203, 26B.1.204, 26B.1.205, 26B.1.206, 26B.1.207, 26B.1.208, 26B.1.209, 26B.1.210, 26B.1.211, 26B.1.212, 26B.1.213, 26B.1.214, 26B.1.215, 26B.1.216, 26B.1.217, 26B.1.218, 26B.1.219, 26B.1.220, 26B.1.221, 26B.1.222, 26B.1.223, 26B.1.224, 26B.1.225, 26B.1.226, 26B.1.227, 26B.1.228, 26B.1.229, 26B.1.230, 26B.1.231, 26B.1.232, 26B.1.233, 26B.1.234, 26B.1.235, 26B.1.236, 26B.1.237, 26B.1.238, 26B.1.239, 26B.1.240, 26B.1.241, 26B.1.242, 26B.1.243, 26B.1.244, 26B.1.245, 26B.1.246, 26B.1.247, 26B.1.248, 26B.1.249, 26B.1.250, 26B.1.251, 26B.1.252, 26B.1.253, 26B.1.254, 26B.1.255, 26B.1.256, 26B.1.257, 26B.1.258, 26B.1.259, 26B.1.260, 26B.1.261, 26B.1.262, 26B.1.263, 26B.1.264, 26B.1.265, 26B.1.266, 26B.1.267, 26B.1.268, 26B.1.269, 26B.1.270, 26B.1.271, 26B.1.272, 26B.1.273, 26B.1.274, 26B

2023 CDS

IMPORTANT: This form is only a summary list of structural details and some of the special inspections required for the project. Generally, the structural notes and/or Special Inspection on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the ISA approved specification. The appendices at the bottom of this form identify what NOT subject to ISA requirements for special inspection or structural testing. The project engineer is responsible for providing information of all details of construction, including but not limited to, structural components not listed on this form such as structural wood framing, high-load wood decking, cold-formed steel framing, and/or change of non-structural components, etc. per Title 24, Part 2, Chapter 17A (2022 CDS).

**NOTE: Underlined section and table references found in this document are from the CDS, or California Building Code.

KEY TO COLUMN	
1. TYPE Continuous - Indicates that a continuous special inspection is required. Periodic - Indicates that a periodic special inspection is required. Not - Indicates that a test is required.	2. PERFORMED BY GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory approved by the ISA, Laboratory Licensing and Accreditation (LLA) Program, per SAC Section 4-305. PI (Project Inspector) - Indicates that the special inspection may be performed by the project inspector after specifically approved by ISA. ISA (Special Inspector) - Indicates that the special inspection shall be performed by an ISA specifically qualified/approved special inspector.
3. COMMENTS If not specified, professional are NOT subject to ISA requirements for structural tests or special inspection noted. Items marked as exempt shall be confirmed on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.	
4. DETAILS 1. Foundation acting as a cantilever footing with a design bending on minimum allowable plate per SAC Table 1005A and without a mechanical stop for the following cases: A) A deepening (up or down) B) roll out antenna towers and poles less than 30'-0" tall (e.g., lighting poles, flag poles supporting open mesh leaves, etc.) C) single-story structure with dead load less than 5 psf and/or open-bench structure of a covered walkway structure with an open height less than 10'-0" above ground level. 2. For the foundation, also exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings with a ground support and meeting the exemption criteria in CDS Section 1005A (supported by piles) soil (any excavation depth) or fill soil below existing 10' depth per CDS Section 1005A-B; B) soil replacement/compaction not exceeding 12" depth; C) piles or fill soil supporting exterior foundation fawall (e.g., sidewalk, site concrete ramps, stairs, parking lots, driveway, etc.); D) upaved landscaping and playgrounds, etc.; E) utility hand holes. 3. For the foundation, also exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings with a ground support and meeting the exemption criteria in CDS Section 1005A (supported by piles) soil (any excavation depth) or fill soil below existing 10' depth per CDS Section 1005A-B; B) soil replacement/compaction not exceeding 12" depth; C) piles or fill soil supporting exterior foundation fawall (e.g., sidewalk, site concrete ramps, stairs, parking lots, driveway, etc.); D) upaved landscaping and playgrounds, etc.; E) utility hand holes.	
CONCRETE/MASONRY 1. Placement and curing for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment) as shown in Item 7 of this form; B) exempt structural components as shown in Item 7 of this form; C) exempt structural components as shown in Item 7 of this form; D) exempt structural components as shown in Item 7 of this form; E) exempt structural components as shown in Item 7 of this form. 2. Concrete for plant inspection not required for items given in CDS Section 1705A 3.2.2 subject to the requirements and limitations of that section. 3. Non-bearing masonry walls may be exempt from certain ISA masonry testing and special inspection items as allowed per ISA Section 2-1. Refer to construction documents for specific exemptions applicable for each applicable wall condition. 4. Exposed faces in the framework and/or other non-structural elements.	
5. Missing or damaged faces shall not require for testing given in sub-section 3.2.2, except to the requirements and restrictions in that section.	
WELDING 1. Solid-filled and open-joint fillet welds, girths, and girths with a maximum racking section of 10' or less, shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 2. Handhold, girths, and/or removable or relocatable ramp assembly with walking surface less than 30' above ground level, shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 3. Non-structural interior structural steel framing spanning less than 10'-0" such as interior partitions, interior soffits, etc., supporting only self weight and light weight of partitions, interior soffits, etc., shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 4. Manufacturing support frames, including but not limited to cold-formed steel, light gauge for mechanical, electrical, or plumbing equipment, shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 5. Manufacturing components (e.g., brackets, hangers, etc.) for mechanical, electrical, or plumbing hanging equipment, shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 6. Tilt-up panels, projector mounts with a height less than 10'-0" and mounting equipment (e.g., projectors, cameras, satellite dishes, etc.) shall be inspected at one height, shall be if above one support. When located above circulation or spaces below, these girths/sections are located within 15 ft of the edge of floor or roof. 7. Support for exempt non-structural components given in CDS Section 1011A 1.1 (shells) per ISA Section 2-1.1 meeting the following: A) exempt support on floor, wall, or ceiling; B) exempt support on floor, wall, or ceiling; C) exempt support on floor, wall, or ceiling; D) exempt support on floor, wall, or ceiling; E) exempt support on floor, wall, or ceiling; F) exempt support on floor, wall, or ceiling; G) exempt support on floor, wall, or ceiling; H) exempt support on floor, wall, or ceiling; I) exempt support on floor, wall, or ceiling; J) exempt support on floor, wall, or ceiling; K) exempt support on floor, wall, or ceiling; L) exempt support on floor, wall, or ceiling; M) exempt support on floor, wall, or ceiling; N) exempt support on floor, wall, or ceiling; O) exempt support on floor, wall, or ceiling; P) exempt support on floor, wall, or ceiling; Q) exempt support on floor, wall, or ceiling; R) exempt support on floor, wall, or ceiling; S) exempt support on floor, wall, or ceiling; T) exempt support on floor, wall, or ceiling; U) exempt support on floor, wall, or ceiling; V) exempt support on floor, wall, or ceiling; W) exempt support on floor, wall, or ceiling; X) exempt support on floor, wall, or ceiling; Y) exempt support on floor, wall, or ceiling; Z) exempt support on floor, wall, or ceiling; AA) exempt support on floor, wall, or ceiling; AB) exempt support on floor, wall, or ceiling; AC) exempt support on floor, wall, or ceiling; AD) exempt support on floor, wall, or ceiling; AE) exempt support on floor, wall, or ceiling; AF) exempt support on floor, wall, or ceiling; AG) exempt support on floor, wall, or ceiling; AH) exempt support on floor, wall, or ceiling; AI) exempt support on floor, wall, or ceiling; AJ) exempt support on floor, wall, or ceiling; AK) exempt support on floor, wall, or ceiling; AL) exempt support on floor, wall, or ceiling; AM) exempt support on floor, wall, or ceiling; AN) exempt support on floor, wall, or ceiling; AO) exempt support on floor, wall, or ceiling; AP) exempt support on floor, wall, or ceiling; AQ) exempt support on floor, wall, or ceiling; AR) exempt support on floor, wall, or ceiling; AS) exempt support on floor, wall, or ceiling; AT) exempt support on floor, wall, or ceiling; AU) exempt support on floor, wall, or ceiling; AV) exempt support on floor, wall, or ceiling; AW) exempt support on floor, wall, or ceiling; AX) exempt support on floor, wall, or ceiling; AY) exempt support on floor, wall, or ceiling; AZ) exempt support on floor, wall, or ceiling; BA) exempt support on floor, wall, or ceiling; BB) exempt support on floor, wall, or ceiling; BC) exempt support on floor, wall, or ceiling; BD) exempt support on floor, wall, or ceiling; BE) exempt support on floor, wall, or ceiling; BF) exempt support on floor, wall, or ceiling; BG) exempt support on floor, wall, or ceiling; BH) exempt support on floor, wall, or ceiling; BI) exempt support on floor, wall, or ceiling; BJ) exempt support on floor, wall, or ceiling; BK) exempt support on floor, wall, or ceiling; BL) exempt support on floor, wall, or ceiling; BM) exempt support on floor, wall, or ceiling; BN) exempt support on floor, wall, or ceiling; BO) exempt support on floor, wall, or ceiling; BP) exempt support on floor, wall, or ceiling; BQ) exempt support on floor, wall, or ceiling; BR) exempt support on floor, wall, or ceiling; BS) exempt support on floor, wall, or ceiling; BT) exempt support on floor, wall, or ceiling; BU) exempt support on floor, wall, or ceiling; BV) exempt support on floor, wall, or ceiling; BW) exempt support on floor, wall, or ceiling; BX) exempt support on floor, wall, or ceiling; BY) exempt support on floor, wall, or ceiling; BZ) exempt support on floor, wall, or ceiling; CA) exempt support on floor, wall, or ceiling; CB) exempt support on floor, wall, or ceiling; CC) exempt support on floor, wall, or ceiling; CD) exempt support on floor, wall, or ceiling; CE) exempt support on floor, wall, or ceiling; CF) exempt support on floor, wall, or ceiling; CG) exempt support on floor, wall, or ceiling; CH) exempt support on floor, wall, or ceiling; CI) exempt support on floor, wall, or ceiling; CJ) exempt support on floor, wall, or ceiling; CK) exempt support on floor, wall, or ceiling; CL) exempt support on floor, wall, or ceiling; CM) exempt support on floor, wall, or ceiling; CN) exempt support on floor, wall, or ceiling; CO) exempt support on floor, wall, or ceiling; CP) exempt support on floor, wall, or ceiling; CQ) exempt support on floor, wall, or ceiling; CR) exempt support on floor, wall, or ceiling; CS) exempt support on floor, wall, or ceiling; CT) exempt support on floor, wall, or ceiling; CU) exempt support on floor, wall, or ceiling; CV) exempt support on floor, wall, or ceiling; CW) exempt support on floor, wall, or ceiling; CX) exempt support on floor, wall, or ceiling; CY) exempt support on floor, wall, or ceiling; CZ) exempt support on floor, wall, or ceiling; DA) exempt support on floor, wall, or ceiling; DB) exempt support on floor, wall, or ceiling; DC) exempt support on floor, wall, or ceiling; DD) exempt support on floor, wall, or ceiling; DE) exempt support on floor, wall, or ceiling; DF) exempt support on floor, wall, or ceiling; DG) exempt support on floor, wall, or ceiling; DH) exempt support on floor, wall, or ceiling; DI) exempt support on floor, wall, or ceiling; DJ) exempt support on floor, wall, or ceiling; DK) exempt support on floor, wall, or ceiling; DL) exempt support on floor, wall, or ceiling; DM) exempt support on floor, wall, or ceiling; DN) exempt support on floor, wall, or ceiling; DO) exempt support on floor, wall, or ceiling; DP) exempt support on floor, wall, or ceiling; DQ) exempt support on floor, wall, or ceiling; DR) exempt support on floor, wall, or ceiling; DS) exempt support on floor, wall, or ceiling; DT) exempt support on floor, wall, or ceiling; DU) exempt support on floor, wall, or ceiling; DV) exempt support on floor, wall, or ceiling; DW) exempt support on floor, wall, or ceiling; DX) exempt support on floor, wall, or ceiling; DY) exempt support on floor, wall, or ceiling; DZ) exempt support on floor, wall, or ceiling; EA) exempt support on floor, wall, or ceiling; EB) exempt support on floor, wall, or ceiling; EC) exempt support on floor, wall, or ceiling; ED) exempt support on floor, wall, or ceiling; EE) exempt support on floor, wall, or ceiling; EF) exempt support on floor, wall, or ceiling; EG) exempt support on floor, wall, or ceiling; EH) exempt support on floor, wall, or ceiling; EI) exempt support on floor, wall, or ceiling; EJ) exempt support on floor, wall, or ceiling; EK) exempt support on floor, wall, or ceiling; EL) exempt support on floor, wall, or ceiling; EM) exempt support on floor, wall, or ceiling; EN) exempt support on floor, wall, or ceiling; EO) exempt support on floor, wall, or ceiling; EP) exempt support on floor, wall, or ceiling; EQ) exempt support on floor, wall, or ceiling; ER) exempt support on floor, wall, or ceiling; ES) exempt support on floor, wall, or ceiling; ET) exempt support on floor, wall, or ceiling; EU) exempt support on floor, wall, or ceiling; EV) exempt support on floor, wall, or ceiling; EW) exempt support on floor, wall, or ceiling; EX) exempt support on floor, wall, or ceiling; EY) exempt support on floor, wall, or ceiling; EZ) exempt support on floor, wall, or ceiling; FA) exempt support on floor, wall, or ceiling; FB) exempt support on floor, wall, or ceiling; FC) exempt support on floor, wall, or ceiling; FD) exempt support on floor, wall, or ceiling; FE) exempt support on floor, wall, or ceiling; FF) exempt support on floor, wall, or ceiling; FG) exempt support on floor, wall, or ceiling; FH) exempt support on floor, wall, or ceiling; FI) exempt support on floor, wall, or ceiling; FJ) exempt support on floor, wall, or ceiling; FK) exempt support on floor, wall, or ceiling; FL) exempt support on floor	

Test or Special Inspection		Type	Performed By	Code References and Notes
ISA SPRAYED FIRE-RESISTANT MATERIALS				
Test or Special Inspection				
☐	Examine structural steel surface conditions, inspect application of test samples, measure thickness and verify conformance of all aspects of application with DSA-approved documents	Periodic	SI	1705A.15, 1705A.16, 1705A.2, 1705A.3, 1705A.4
☐	Test density	Test	LOR	1705A.15, 1705A.15.5, ASTM F736
☐	Test bond strength/adhesion/cohesion	Test	LOR	1705A.15, 1705A.15.5, ASTM E666
ISA ANCHOR BOLTS AND ANCHOR RODS				
Test or Special Inspection				
☐	Anchor Bolts and Anchor Rods	Type	Performed By	Code References and Notes
☐	Threaded rod not used for foundation anchorage	Test	LOR	Sample and test entire bolted and anchor rods not readily identifiable per procedures noted in DSA R-15.1
ISA H. STORAGE RACK SYSTEMS				
Test or Special Inspection				
☐	Materials used, to verify compliance with one or more specified item numbers in accordance with the approved construction documents	Periodic	SI	Table 1705A.13.7
☐	Fabricated storage rack elements	Periodic	SI	1705A.2, Table 1705A.13.7
Test or Special Inspection				
☐	Storage rack anchorage installation	Periodic	SI	ASCE/EH1111/Section 7.3.2; Table 1705A.13.7
☐	Complete storage rack system to indicate compliance with the approved construction documents	Periodic	SI*	Table 1705A.13.7 – May be performed by the project inspector when specifically approved by DSA
ISA K. OTHER STEEL				
Test or Special Inspection				
☐		Type	Performed By	Code References and Notes
☐				
<p>Exempt Items given in check mark by the DSA R-27 or the 2019 CBC (including DSA amendments) and those Items identified below with a check mark in the checkmark by the design professional are NOT subject to DSA requirements for the structural tests and special inspections noted. Items marked as exempt shall be tested as per the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.</p>				
SOLS:				
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressure per CBC Table 1905A.2 and without a separate design for the following cases: A) free standing sign or scoreboard; B) cell or entrance towers and poles less than 30'-0" tall (e.g., lighting pole, gate pole, signal supporting open mast frame, etc.) C) single-story building with dead load less than 10'-0" above adjacent grade; or D) covered walkway structure with an open height less than 10'-0" above adjacent grade			
☐	2. Shallow foundations, etc., are exempt from Special Inspections and testing by a Geotechnical Engineer for the following case: A) buildings without a ground reaction and meeting the exception from Item C) stated in CBC Section 1905A-2 supported by native soil (any excavation depth) or fill (not exceeding 12" depth over Section 1905A.4), fill soil verification/inspection not exceeding 12" depth, C) pilewells or fill soil supporting interior non-structural floor slab (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.) D) unpaved landscaping and playground areas, or E) utility trench banks;			
CONCRETE/MASONRY:				
☐	1. Field-inspection required for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment – see Item 7 for "Welding" in the Appendix below given in CBC Section 1910A.17.18 (which requires ASCE 7-16, Section 13.4.4 or B) Interior partition walls meeting criteria listed in exempt for 3' for "Welding" in the Appendix below			
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.2 subject to the requirements and limitations in that section			
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA R-21.1. Refer to construction documents for specific exemption according to each applicable wall section			
☐	4. Epoxy shear dowels in the fieldwork and/or other non-structural connections			
CONCRETE/MASONRY:				
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations			
WELDING:				
☐	1. Solid-state and open-mouthed, grooves, faces, with maximum metal span of 10' and girths with a maximum rolling section of 10' all along an open height less than 8'-0" over allowed adjacent grade. When located above circulation or occupied space, these girths/faces are not located within 1.5x the maximum height (max 6'-0") to the edge of floor or roof			
☐	2. Handrails, guardrails, and modular or foldable metal spacing associated with walking surface less than 10'-0" above adjacent grade (excluding post base) and/or handrail height (max 6'-0") to the edge of floor or roof			
☐	3. Non-structural interior or exterior steel framing spanning less than 10'-0" with an interior partition, interior infill, etc. (including post and weight and high-weight frames) and/or arches, its masonry, stone, or other catenary more than 5'-0" thickness and less than 20'-0" in height and not over one end only. Maximum tributary load to member shall not exceed the equivalent of that occurring from 1'-0"X10' opening in 1'-0" wall for a header or stud only			
☐	4. Welding required for support and/or holding up of steel or cold-formed steel (e.g., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000 lb/segment (except) connections of such frames to superstructure elements using welding will require special inspection as noted in selected Items for Sections DSA.3, DSA.4 and DSA.5 of listing above			
☐	5. Manufactured components (e.g., T-Box, A-Series, etc.) for mechanical, electrical, or plumbing hanging support and bracing connections of such components to superstructure elements using welding will require special inspection as noted in selected Items for Sections DSA.3, DSA.4 and/or DSA.5 of listing above			
☐	6. 6" TV Brackets, support members with a valid listing (see DSA R.4) and nonstructural equipment (e.g., playground structures, basketball backstops, etc.) connections of such elements to superstructure elements using welding will require special inspection as noted in selected Items for Sections DSA.3, DSA.4 and/or DSA.5 listed in the Steel/Aluminum category of listing below			
☐	7. Any support for exempt non-structural components given in CBC Section 1910A.17.1 (which requires ASCE 7-16, Section 13.4.1) meeting the following: A) when supported on a Post/beam – <400 lb and resulting components of mass (including components center of mass) of <400 lb above supporting floor/beam; B) when hung from a wall or floor/beam – <200 lb for discrete units or <5 plf for distributed systems			

DSA 103-22 LIST OF REQUIRED VERIFIED REPORTS, CBC 2022			
Application Number:	Section Name:	Inspector:	School District:
AO-12293	Blue Creek Modular		Blue Creek Modular
DSA File Number:	Inspection Number:	Date Created:	Date Created:
33148		2022-06-23 09:58:51	

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Welding Inspection: Laboratory Verified Report Form DSA 291, or, if independently certified, a Special Inspection Verified Report Form DSA 292

[illegible]

The example form DSA 103 sections shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and the example sections shown on this drawing are to be crossed out.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

T & I FORMS

REVISIONS

2
3
4
5

CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE: 02-27-2023	
P.C. SHEET NUMBER	

A-0B

REFLECTED CEILING NOTES

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:
Evaluation Report Type and Number:
Main Runner Part, Model, or Catalog Number:
Cross Runner Part, Model, Catalog Number:

Armstrong
ICC ESR-1308
7301
XL7328

1.04 Seismic Wall Clip:

Manufacturer's Model: BERCC-2

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

- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" 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 3/4" 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 910A.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 be supported 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 #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four #12 gauge wires 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

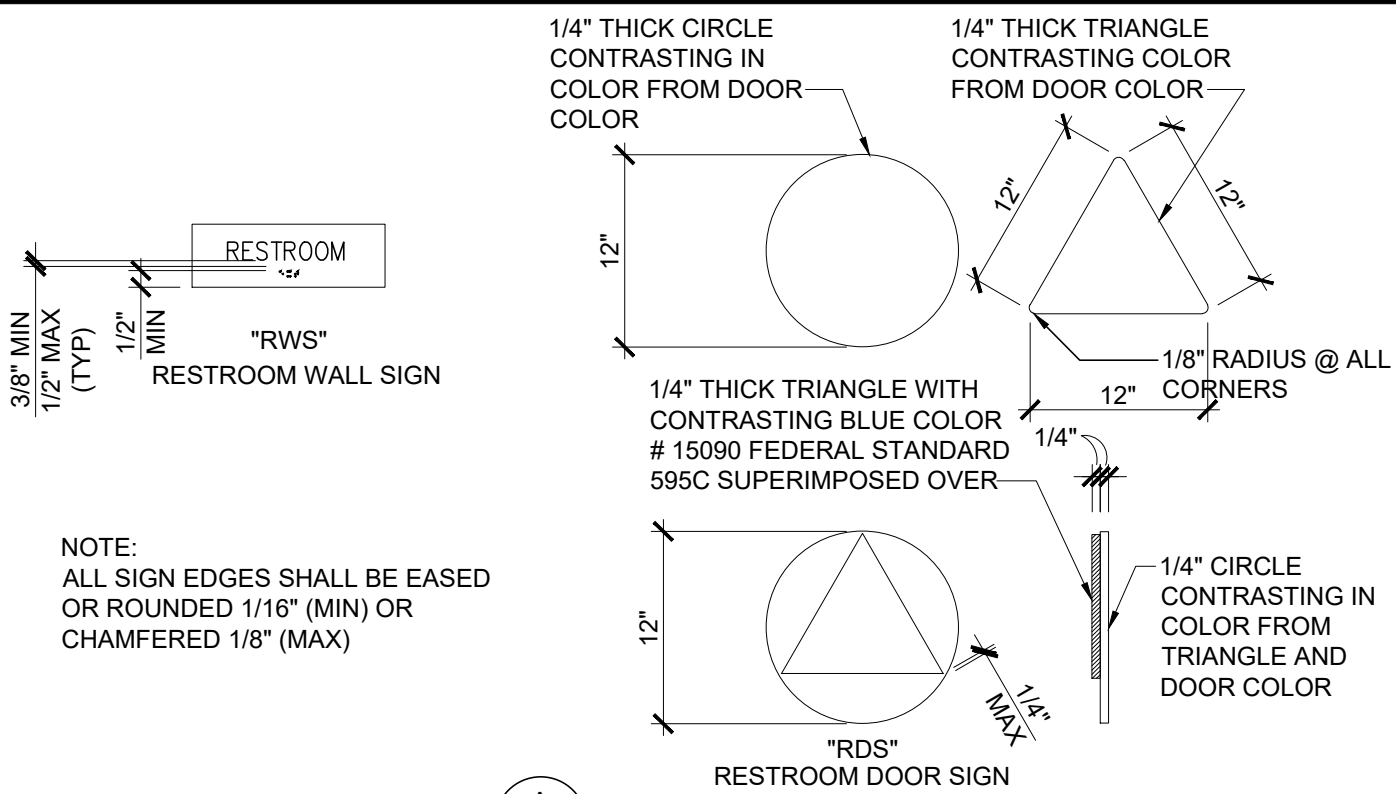
- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
7.02 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 #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING

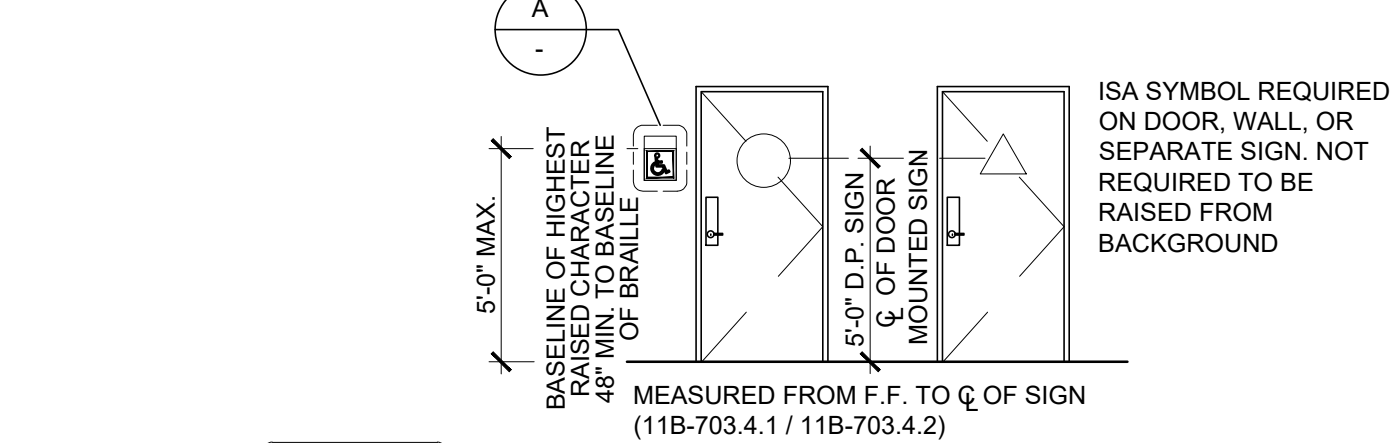
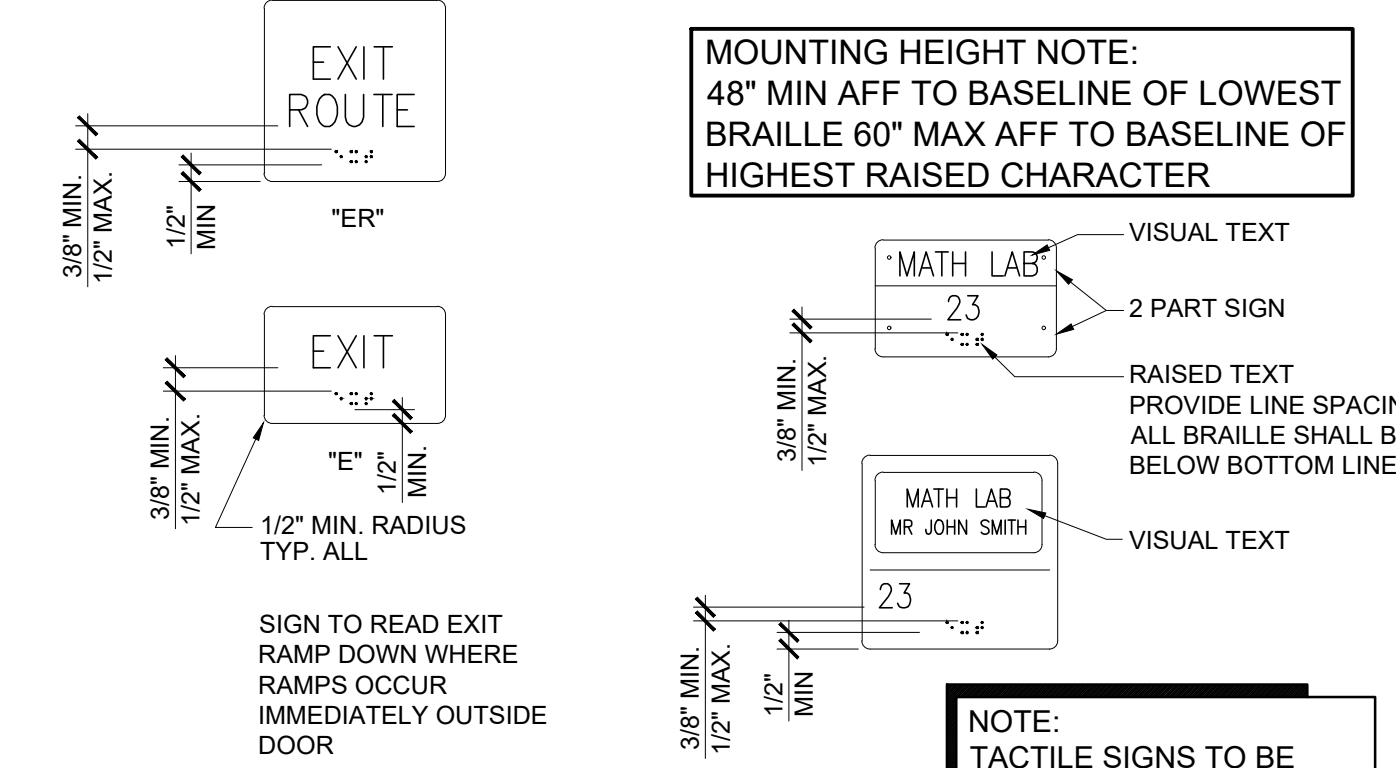
- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more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

NOTE:
ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

NOTE:
PER CBC SECTION 718.2.1, FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES, SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS



NOTE:
ALL SIGN EDGES SHALL BE EASED OR ROUNDED 1/16\"/>



SIGNAGE TEMPLATES

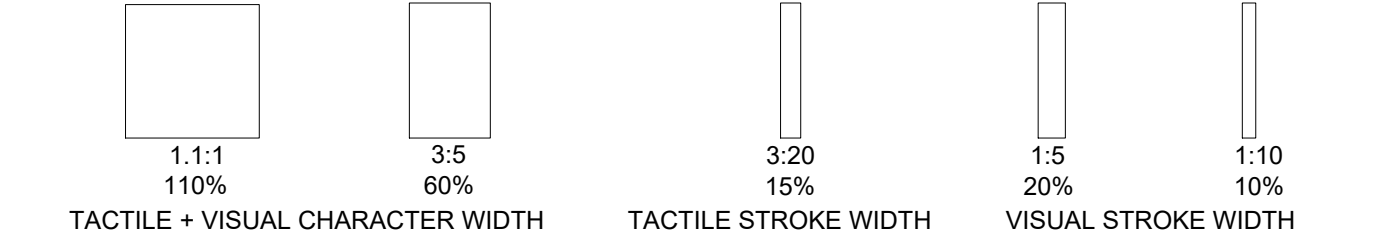
COORDINATE WITH SIGNAGE NOTES (BELOW)

SIGNAGE NOTES

1. **CHARACTER TYPE:** CHARACTERS ON TACTILE SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW) 11B-703.2.1 & 11B-703.2.2 & 11B-703.2.3.
2. **RAISED CHARACTER HEIGHT:** CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (15.9 mm) MINIMUM AND 2 INCH (51 mm) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "T". 11B-703.2.5
3. **FINISH AND CONTRAST:** SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH SYMBOLS. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 11B-703.7.1.
4. **PROPORTIONS:** RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER. 11B-703.2.4 + 11B-703.2.6

VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPER CASE "I" SHALL BE 10% MIN. AND 20% MAX OF THE HEIGHT OF THE CHARACTER.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:



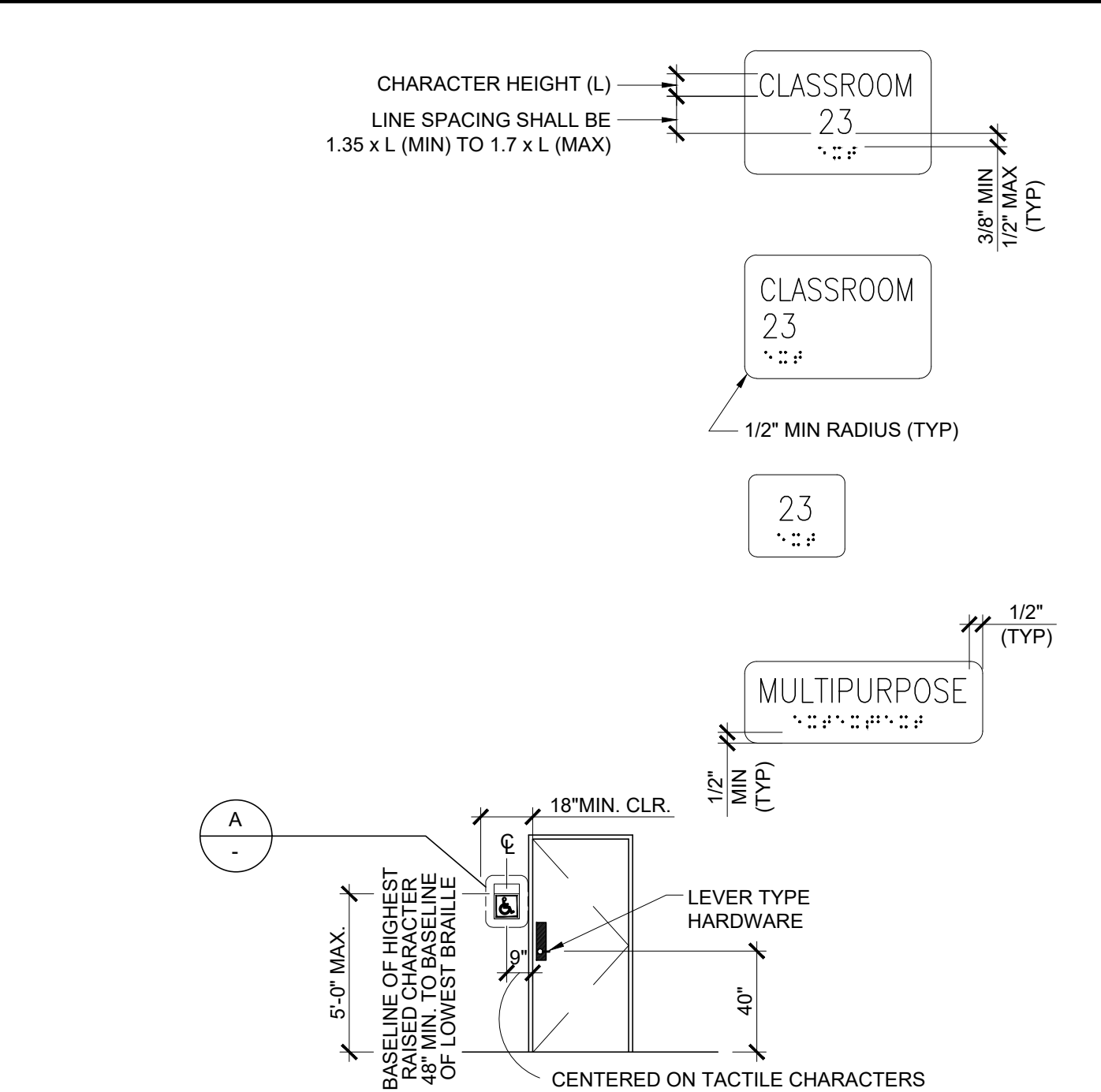
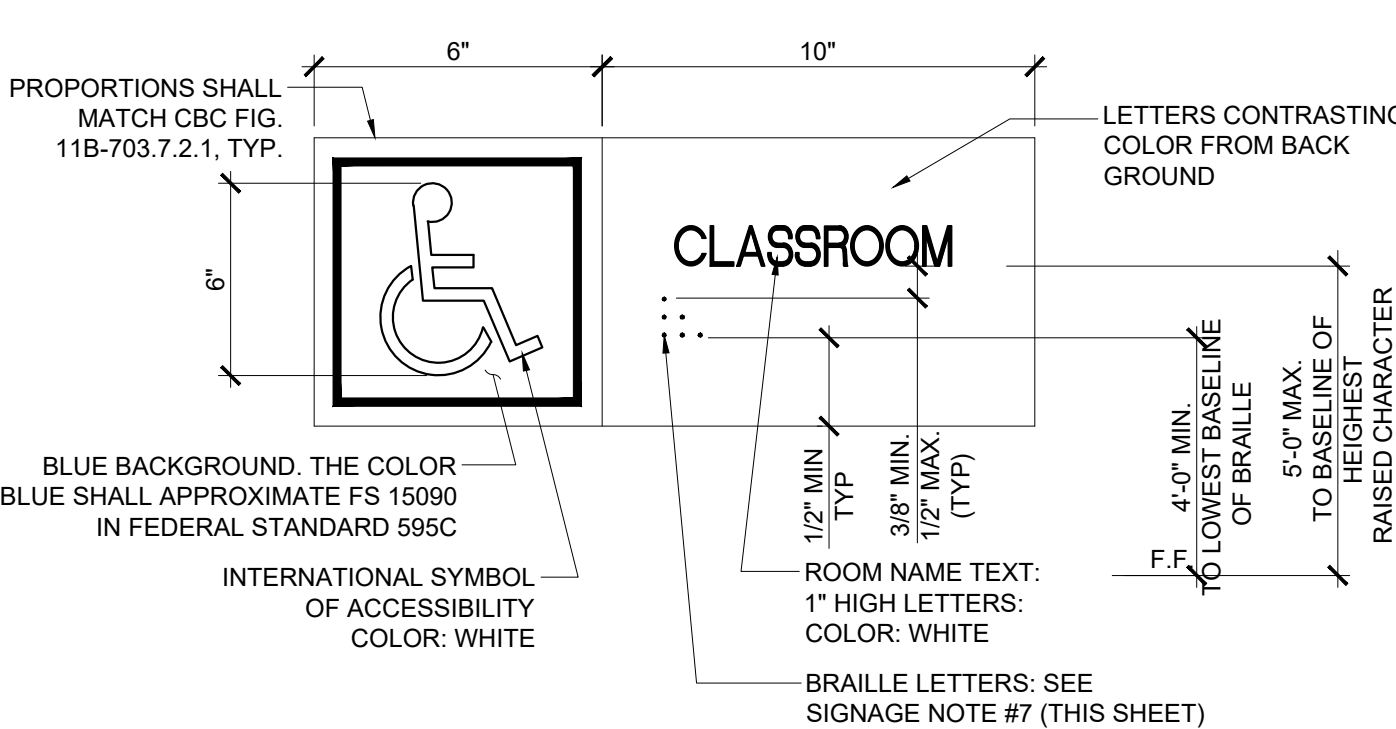
5. **CHARACTER SPACING:** CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX). WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE BASE OF THE CROSS SECTIONS, AND 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" (MIN). 11B-703.2.7

6. **LINE SPACING:** SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8

7. **BRAILLE:** BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4. DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. 11B-703.3.1.

MEASUREMENT RANGE		MINIMUM IN INCHES MAXIMUM IN INCHES	
Dot base diameter		0.059 (1.5 mm) to 0.063 (1.6 mm)	
Distance between two dots in the same cell ⁽¹⁾ (Pitch-to-1)		0.100 (2.5 mm)	
Distance between corresponding dots in adjacent cells ⁽¹⁾ (Pitch-to-1)		0.300 (7.6 mm)	
Dot height		0.026 (0.6 mm) to 0.037 (0.9 mm)	
Distance between corresponding dots from one cell directly below ⁽¹⁾ (Pitch-to-1)		0.395 (10 mm) to 0.400 (10.2 mm)	

¹ Measured center to center.



NOTE:
SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC W/1/32" RAISED GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703. WHERE RAISED BORDERS OCCUR, PROVIDE 1/2" MIN. CLEARANCE BETWEEN TOP OF BOARDER AND LOWEST LEVEL OF BRAILLE TEXT.

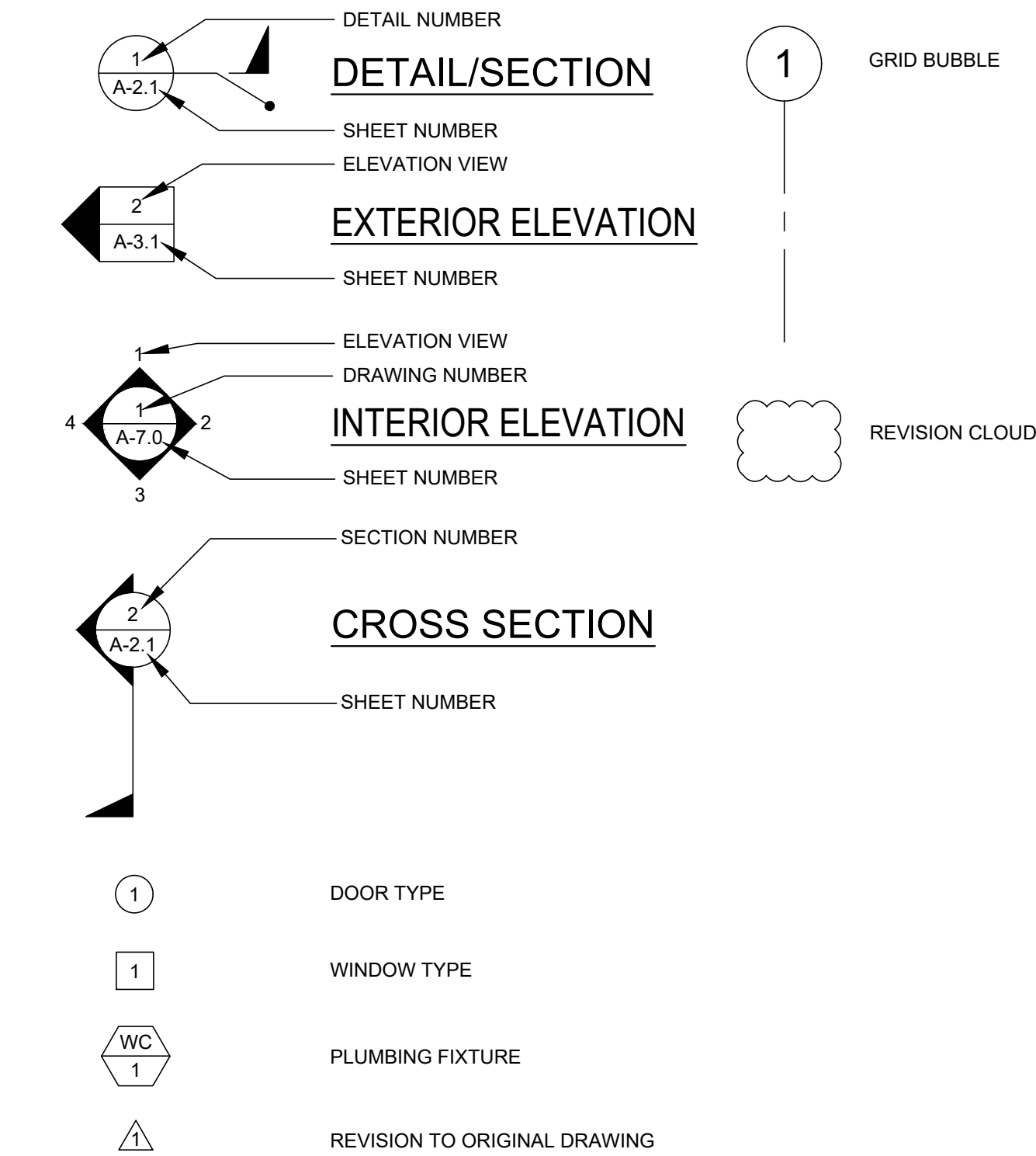
A ROOM IDENTIFICATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH SIGNAGE NOTES 1 THROUGH 7 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



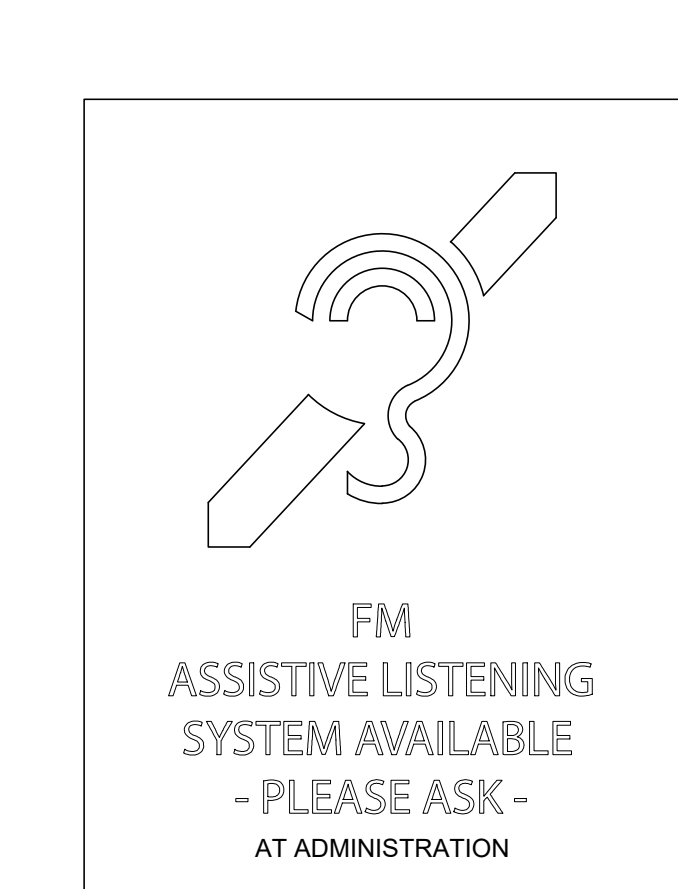
ABBREVIATIONS

AB ABS ACC ADDL ADJ AFF AFG ALT AOR APPROX ARCH	ANCHOR BOLT ABSOLUTE ABOVE ACCESS ADDITIONAL ADJACENT ABOVE FINISH FLOOR ABOVE FINISH GRADE ABOVE GRADE CONCRETE ALTERNATE ARCHITECT OF RECORD APPROXIMATE ARCHITECTURAL / ARCHITECT	FIN FLR FN FND FOC FOS FTG FOF	FINISH FLOOR FIELD NAILING FOUNDATION FACE OF CONCRETE FACE OF STUD FOOTING FACE OF FINISH	R OR PL PC PLAS PLYWD PNL POC POT PSF PSI PT	PLATE PRE-CHECKED PLASTER PLYWOOD PANEL POINT OF CONNECTION PATH OF TRAVEL POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED
BD BGC BLDG BLK BLKG BM BOT BTWN BU	BOARD BELOW GRADE CONCRETE BUILDING BLOCK BLOCKING BEAM BOTTOM (OR BTM) BETWEEN BUILT UP	GA GALV GC GR GYP GYP BD	GAUGE GALVANIZE GENERAL CONTRACTOR GRADE GYPSUM GYPSUM BOARD	RAG RD REF REINF REQ'D REV RF RM RO ROH	RETURN AIR GRILLE ROOF DRAIN REFERENCE REINFORCE REQUIRED REVISION ROOF ROOM ROUGH OPENING ROOF OVERHANG
CAB CBC CI CJ CJP	CABINET CALIFORNIA BUILDING CODE CAST IRON CONTROL JOINT COMPLETE JOINT PENETRATION	INCL INFO INT	INCLUDED INFORMATION INTERIOR	SCHED SEC SHT SHTG SIM SPEC SQ ST STD STIFF STL STS STSMS	SCHEDULE SECTION SHEET SHEATHING SIMILAR SPECIFICATION SQUARE STAINLESS STEEL STANDARD STIFFENER STEEL SELF-TAPPING SCREW SELF-TAPPING SHEET METAL SCREW
CLG CO COL CONC CONN CONST CONT CPT CSK CTR	CENTER LINE CEILING CLEAN OUT COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CARPET COUNTERSINK CENTER	J-BOX JST JT JO	JUNCTION BOX JOIST JOINT KNOCK OUT	T&B T&G TEL THK TOC TOS TS TV TYP	TOP AND BOTTOM TONQUE AND GROOVE TELEPHONE THICK TOP OF COLUMN TOP OF STEEL TUBE STEEL TELEVISION TYPICAL
DBL DET DF DIA OR Ø DIAG DIM DSA	DOUBLE DETAIL DOUGLAS FIR DIAGONAL DIMENSION DIVISION OF THE STATE ARCHITECT	MAX MB MED MFR MIN MISC MOD MTL	MAXIMUM MACHINE BOLT MEDIUM MANUFACTURER MINIMUM MISCELLANEOUS MODULE METAL	UBC UON	UNIFORM BUILDING CODE UNLESS OTHERWISE NOTED
(E) EA EJ ELEV EN EQ EQUIP EW EXT	EXISTING EACH EXPANSION JOINT ELEVATION END NAIL EQUAL EQUIPMENT EACH WAY EXTERIOR	(N) N NIC	NEW NORTH NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK NUMBER NOT TO SCALE	UR VERT VCT	URINAL VERTICAL VINYL COMPOSITION TILE
FA FCO FF FG	FIRE ALARM FLOOR CLEAN OUT FINISH FLOOR FINISH GRADE	NO NTS OC OD OH OPNG OPP	NO CENTER OUTSIDE DIAMETER OPPOSITE HAND OPENING OPPOSITE	W/ WC WCO WD WH WIC WND W/O WP	WITH WATER CLOSET WALL CLEAN OUT WOOD WATER HEATER WOODWORK INSTITUTE OF CALIFORNIA WINDOW (OR WDW) WITHOUT WATER PROOF

SPECIFICATIONS

- DIVISION 5 - METALS**
• ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVES CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE SMOOTH,
• ALL HANDRAILS SHALL BE ROUND OR SHALL HAVE RADIUSED EDGES (r = 1/8" MIN)
- DIVISION 6 - WOOD AND PLASTICS**
• ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS
- DIVISION 9 - FINISHES**
• CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.
- DIVISION 10 - SPECIALITIES**
• ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01
- DIVISION 22 - PLUMBING**
• FAUCETS SHALL BE LEVER OPERATED (1/4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED. CONTROLS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
• FORCE TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LBS
• FORCE TO REMAIN OPEN FOR A MINIMUM OF 10 SECONDS WHEN SELF CLOSING VALVES ARE USED
• PIPE COVERS SHALL BE PROVIDED FOR WATER LINES AND DRAIN PIPES UNDER ACCESSIBLE SINKS AND LAVATORIES
• ACCESSIBLE SINKS SHALL NOT BE DEEPER THAN 6 1/2"

ASSISTIVE LISTENING SYSTEM



ASSISTIVE LISTENING SYSTEM SIGN
(SYMBOL PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.4)

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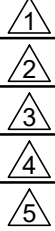
PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

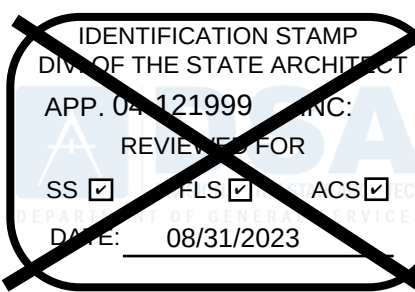
SHEET TITLE:

SYMBOLS LEGEND,
ABBREVIATIONS &
ADA SIGNAGE

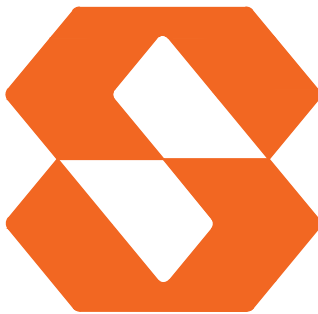
REVISIONS



PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.1

WILDLAND URBAN INTERFACE REQUIREMENTS	
<p>WHEN THIS BUILDING IS TO BE INSTALLED WHERE THE REQUIREMENTS OF CHAPTER 7A OF THE 2022 CBC ARE APPLICABLE COMPLIANCE WITH THE APPLICABLE REQUIREMENTS SHALL BE AS OUTLINED BELOW.</p>	
<p>CHAPTER 7A REQUIREMENTS:</p>	
<p><u>705A ROOFING</u></p>	
<p>705A.1 - ROOF SHALL BE CLASS 'A'.</p>	
<p>705A.2 - NOT APPLICABLE. NO VOIDS OCCUR. ROOF IS APPLIED DIRECTLY.</p>	
<p>705A.3 - NOT APPLICABLE. NO VALLEYS OCCUR.</p>	
<p>705A.4 - LEAF GUARDS/COVERS SHALL BE PROVIDED AT ALL GUTTERS.</p>	
<p><u>706A VENTS</u></p>	
<p>706A.2 - THE UNDER-FLOOR ACCESS AND VENT OPENINGS SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH A CLEAR OPENING NOT EXCEEDING 1/8".</p>	
<p>706A.3 - THE SOFFIT VENTS SHALL BE VULCAN TECHNOLOGIES MODEL #V10R VSC SOFFIT VENT COVERS (PER CASFM LISTING 8165-2192-0100).</p>	
<p><u>707A EXTERIOR COVERINGS</u></p>	
<p>707A.3 - EXTERIOR WALL FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER 1/2" OSB OVER STUDS <u>OR</u> 19/32" DURATEMP SIDING OVER STUDS (PER SFM LISTING# 8140-2031-0004).</p>	
<p>707A.4 - NOT APPLICABLE. NO OPEN ROOF EAVES OCCUR.</p>	
<p>707A.5 - SOFFIT FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER FRAMING <u>OR</u> ALUMINA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1068).</p>	
<p>707A.6 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.7 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.8 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.9 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p><u>708A EXTERIOR DOORS AND WINDOWS</u></p>	
<p>708A.2 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>708A.3 - EXTERIOR DOORS AND FRAMES ARE NON-COMBUSTIBLE (HOLLOW METAL).</p>	
<p>708A.4 - NOT APPLICABLE.</p>	
<p><u>709A - DECKING - THE EXTERIOR DECKING (WHERE APPLICABLE) IS A NON-COMBUSTIBLE STEEL FRAME AND DECK. SKIRTING MATERIAL (WHERE APPLICABLE) SHALL BE 19/32" DURATEMP SIDING (PER SFM LISTING# 8140-2031-0004).</u></p>	
<p>709A.1 - NOT APPLICABLE.</p>	

[illegible]

ANOD:	CLEAR ANODIZED ALUMINUM FRAME	NOTES:	
DP:	3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY / 3/16" ENERGYSHIELD	1.	ALL OPERABLE SASH SHALL HAVE SCREENS.
T:	TEMPERED GLASS	2.	TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

The image contains three technical drawings labeled B1, B2, and B3.

B1 - PLAN VIEW: Shows two window types.
WINDOW TYPE "1" is a three-pane window with a central "FIXED" pane and two side panes with "T" (to travel) arrows. Dimensions are 8'-0" wide and 4'-0" high.
WINDOW TYPE "2" is a two-pane window with a central "FIXED" pane and one side pane with a "T" arrow. Dimensions are 4'-0" wide and 4'-0" high.
 Both windows have a "4'-0\"

B2 - PERSPECTIVE VIEW OF OPERABLE WINDOW LATCH: A 3D view of the latch mechanism. Dimensions include a 3-1/2" H.C. (height of center), 1-1/4" (width), 4-1/16" (depth), and 1-1/8" (latch pin height). It shows "UP (UNLOCK)" and "DOWN (LOCK)" positions. A note states: "SLIDING WINDOW CAN BE OPERABLE IN ONE HAND PALM PER W 11B-309.4".

B3 - ELEVATION VIEW OF OPERABLE WINDOW LATCH: A side view of the latch mechanism. It shows the "UP (UNLOCK)" and "DOWN (LOCK)" positions. A note states: "OPERABLE WINDOW LATCH COMPLY WITH 11B-309.4".

SCALE: N.T.S.

MANUF. NO.: SP2203
MANUF.: IWC

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	IN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
①	3'-0"	7'-0"	A		HM	0	HW - 1	YES	
①P	3'-0"	7'-0"	A1		H	KD	HW - 2	YES	
②	3'-0"	7'-0"	A			KD	HW - 3	NO	
③	3'-0"	7'-0"	B			KD	HW - 4	NO	
④	3'-0"	7'-0"	B			KD	HW - 5	NO	NO CLOSER REQ'D.
⑤	2'-0"	7'-0"	C		HM	KD	HW - 6	NO	

HM: 18GA HOLLOW METAL
 WF: 16GA WELDED FRAME
 AL: ALUMINUM
 SST: STAINLESS STEEL

1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT LEVERS TO RETURN TO WITHIN 12" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPERATING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90", THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
7. PANIC AND FIRE EXIT HARDWARE, WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
 - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF THE OF THE DOOR LEAF WIDTH.
 - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
8. ALL ~~MANUALLY~~ ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR "U" SHAPED HANDLES.
9. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE.
10. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

[illegible]

<u>FLOORING</u>	
CARP:	CARPET PER STAIR: 1/2" CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS: 35; SILENCE: 4600; DIRECT GLUE DOWN
SV:	SHEET VINYL: 3/32" FULLY SEALED JOINTS
VCT:	VINYL COMPOSITE: 1/8" THICK
<u>BASE</u>	
4" TS:	4" TOP SET BASE
6" TS:	6" TOP SET BASE
SC:	6" SELF-COVERING BASE, CONTINUE FLOOR MATERIAL UP THE WALL PER 10/A-5.70
<u>WALLS</u>	
TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
FRP:	1/8" FIBER REINFORCED PLANK OVER 1/2" WATER RESISTANT GYPSUM BOARD
GYP:	1/2" GYPSUM BOARD, TAPE, TEXTURE; PAINTED FINISH
PLY:	1/2" PLYWOOD FINISH
NF:	NO FINISH
<u>CEILING</u>	
ACG:	ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC:	5/8" GYPSUM BOARD, TAPE, TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP:	1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047. WILL BE ACCEPTED.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM COMPLY WITH THE 2022 CBC

CLASSROOM -		EXTERIOR DOOR HW-1	
LOCKSET	TAL LHV75-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 6P	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish	or equal
DOOR W/ PANIC HARDWARE -		EXTERIOR DOOR HW-2	
EXIT DEVICE	VON DUPRIN AX-99L-PA-2	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123 W/ 20-079	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
EMERGENCY EXIT AND PANIC HARDWARE IS TO COMPLY WITH NFPA STANDARD 12-10-3, SECTION 12-10-302.			
a) THE CROSS BAR SHALL EXTEND ACROSS THE DOOR/GATE.			
d) THE ENDS OF THE CROSS-BAR SHALL BE DESIGNED TO PREVENT CATCHING OF CLOTHING OF PERSONS DURING EGRESS.			
STAFF RESTROOM / SINGLE -		INTERIOR DOOR HW-3	
LOCKSET	TAL LHV40 SAT	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
BOYS & GIRLS RESTROOM -		EXTERIOR DOOR HW-4	
LOCKSET	TAL LHV75-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal
STAFF RESTROOM -		EXTERIOR DOOR HW-5	
LOCKSET	SCHLAGE L9496J-06A X 09-59 X L583-363	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal
CHASE EXTERIOR DOOR -		INTERIOR DOOR HW-6	
LOCKSET	TAL LHV70 LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR THE CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS (CLASS A = 0.25 FLAME SPREAD); SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL:

INSULATING MATERIAL FOR WALLS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING, JOHNS-MANVILLE, OR EQUAL.

INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 U/s AT 75 Pa, AND A WATER VAPOR TRANSMISSION RATE OF NOT MORE THAN 0.9 PERMS. THE FOAM SHALL BE APPLIED TO FILL ALL VOIDS IN THE ROOF FRAMING MEMBERS.

MIN INSULATION VALUES:

WOOD STUD EXTERIOR WALL INSULATION (MIN.)

- ☐ R-13 (8" WALL) @ UNCONDITIONED RESTROOM MODULE ONLY)
- ☒ R-19 (6" WALL)
- ☐ R-30 (8" WALL)

~~STEEL STUD EXTERIOR WALL INSULATION (MIN.)~~

- ☐ R-13 (8" WALL) @ UNCONDITIONED RESTROOM MODULE ONLY)
- ☐ R-19 (6" WALL) @ UNCONDITIONED RESTROOM MODULE ONLY)
- ☐ R-30 BATT + R-3.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (6" WALL)
- ☐ R-30 BATT + R-3.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (8" WALL)

INTERIOR WALL INSULATION (MIN.)

R-13

FLOOR INSULATION

- ☒ NONE (CONCRETE MASS)
- ☐ R-11 (MIN) + CONCRETE MASS
- ☐ R-19 (MIN)

ROOF INSULATION (MIN.)

R-30 (6" MIN. DEPTH) CLOSED CELL SPRAY FOAM

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S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SCHEDULES

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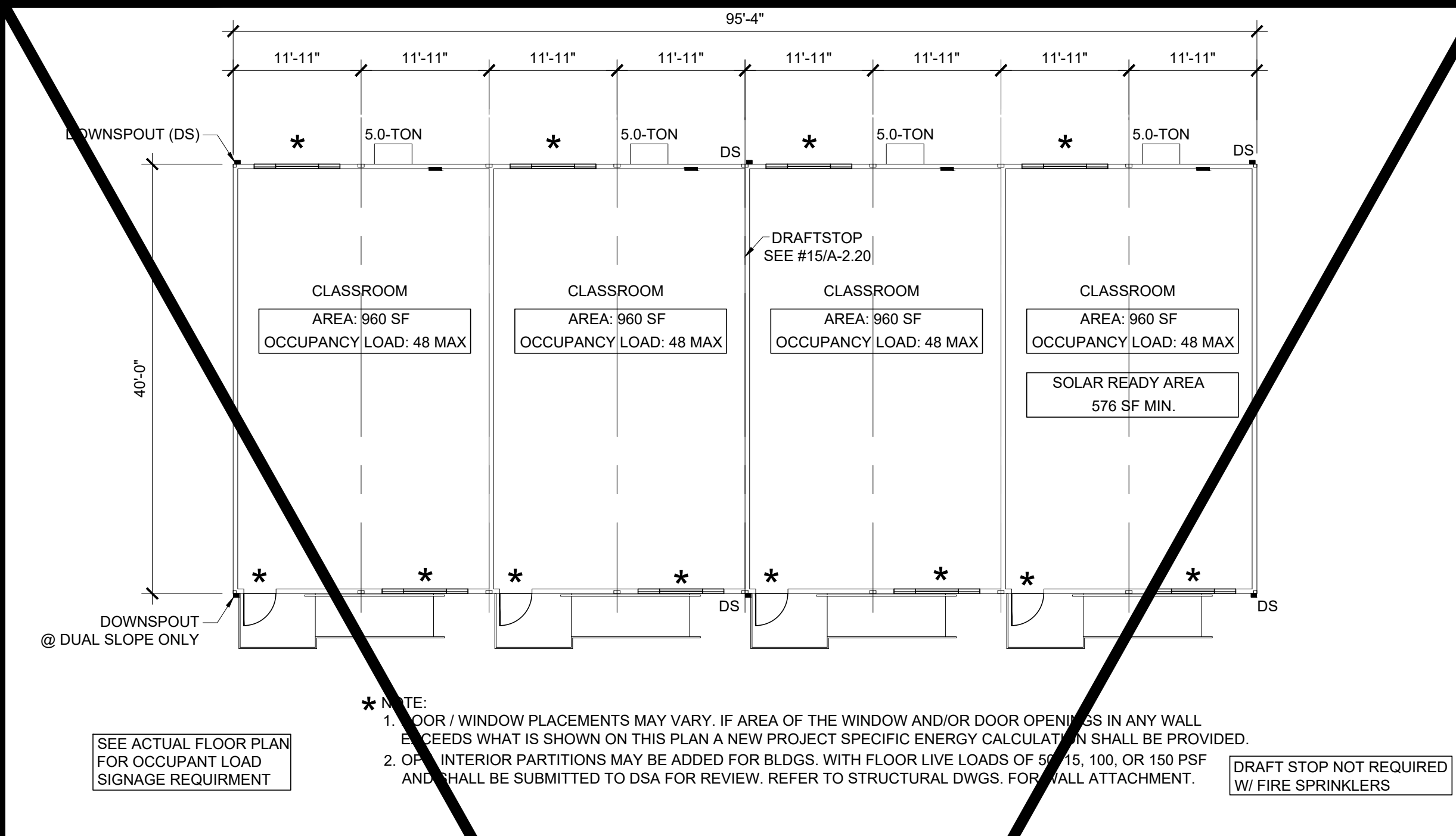
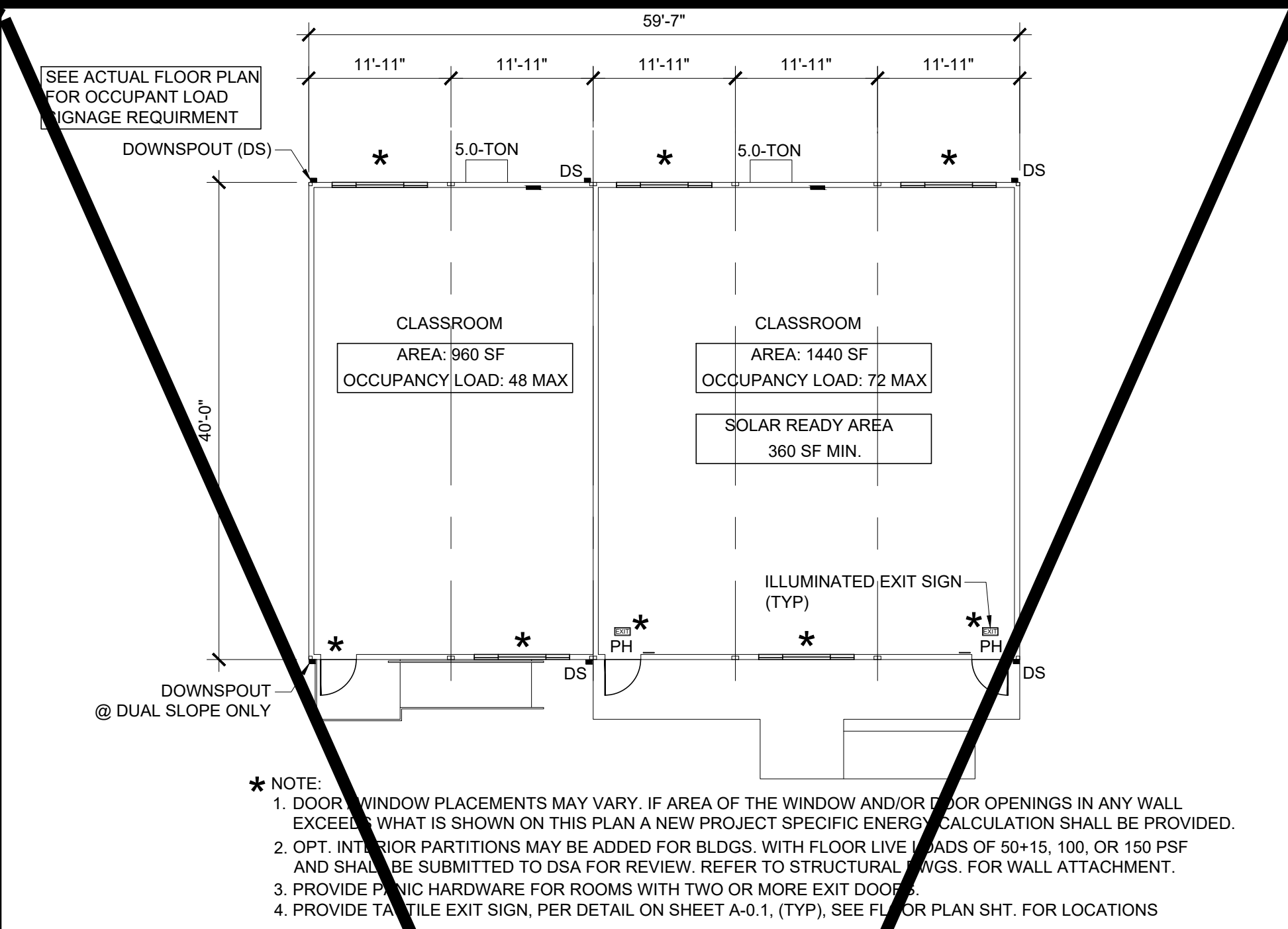
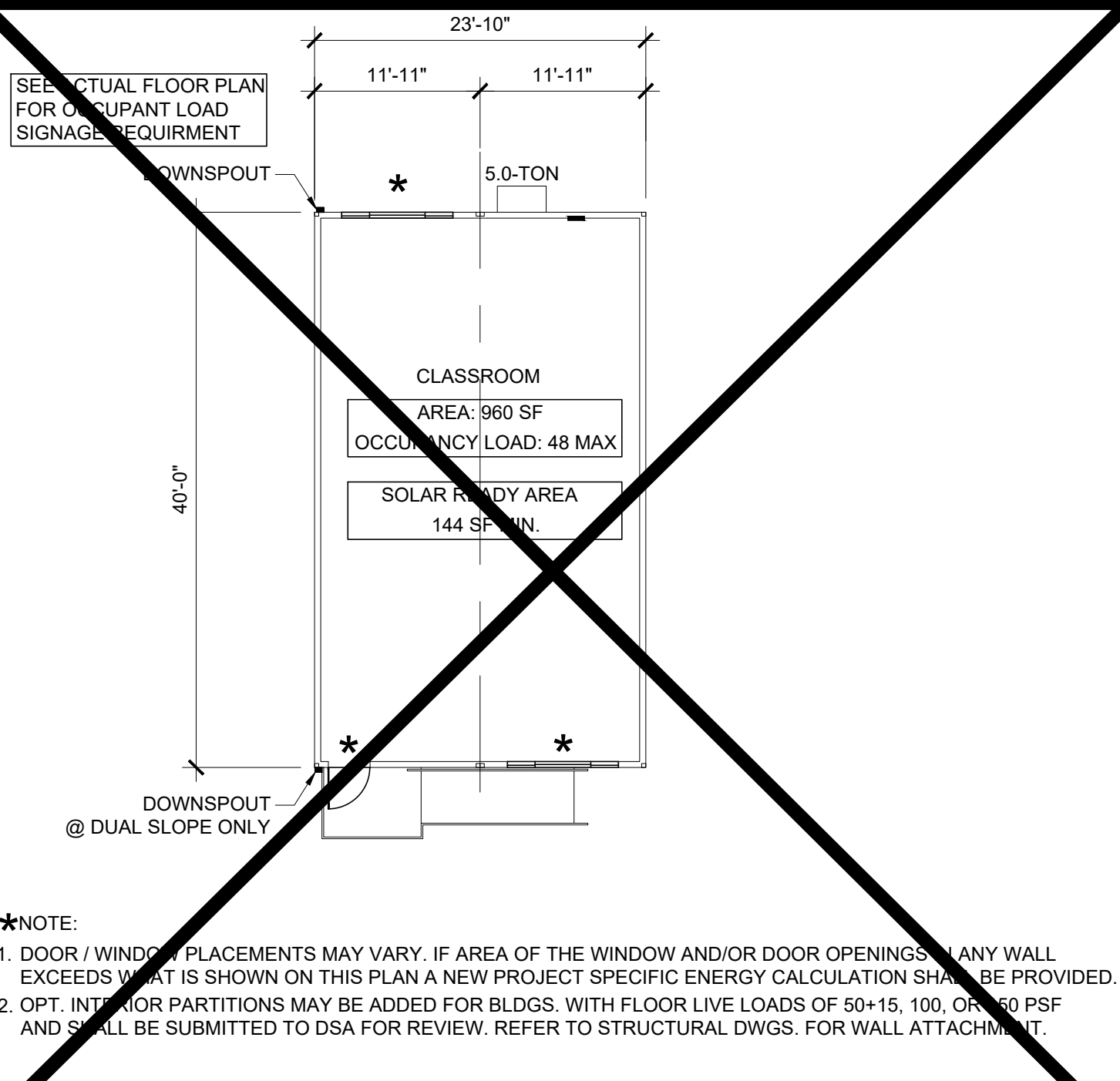
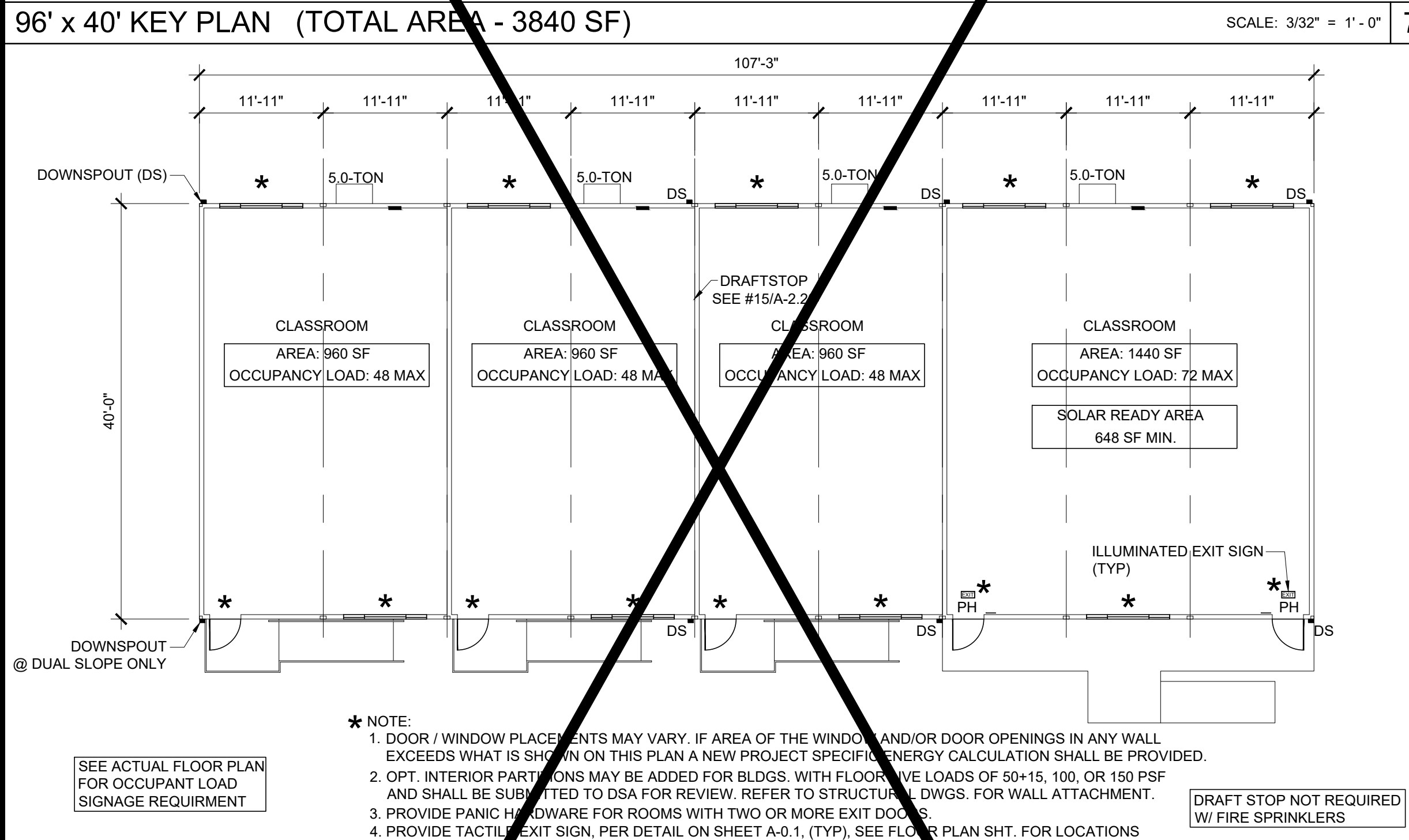
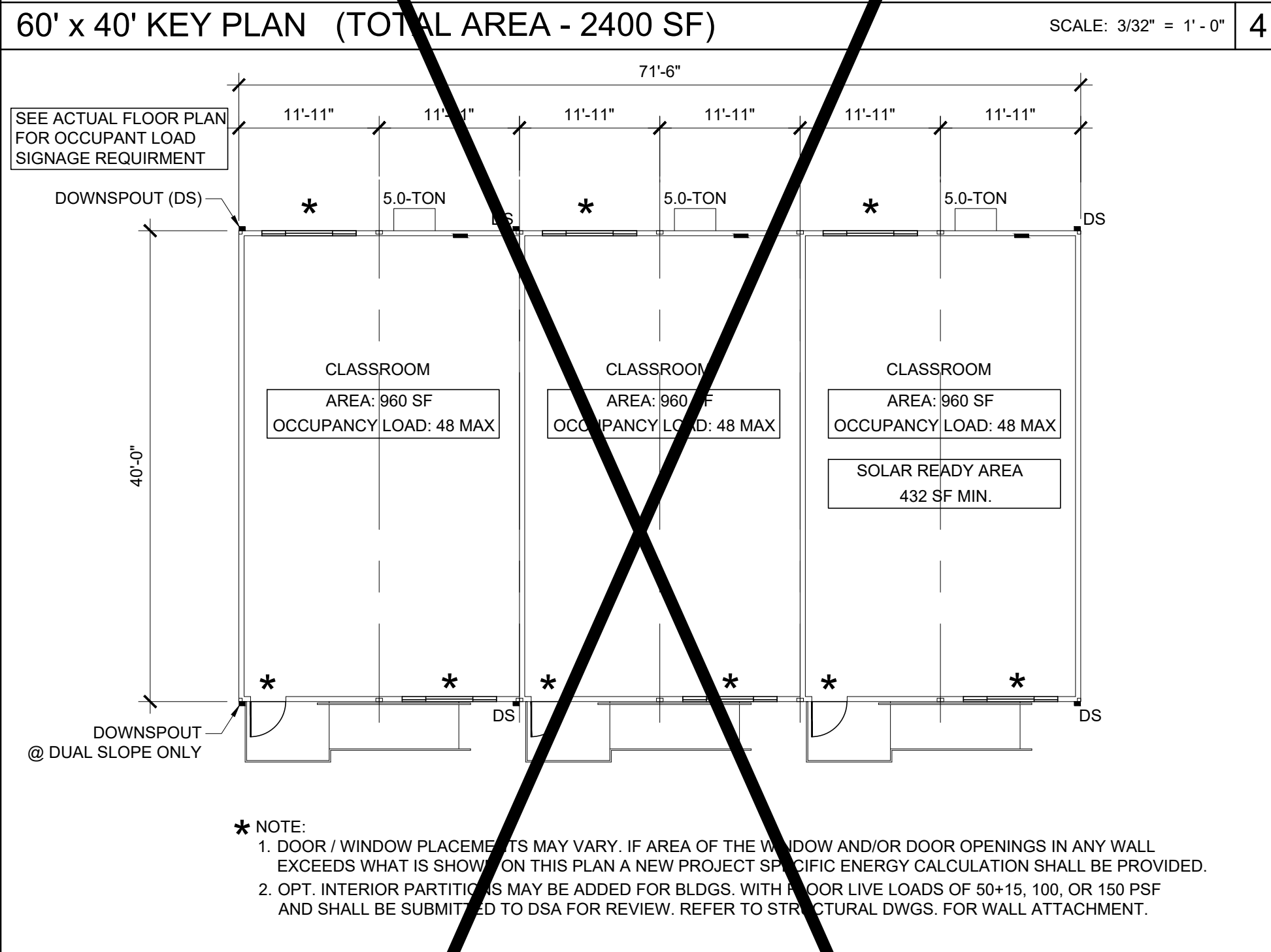
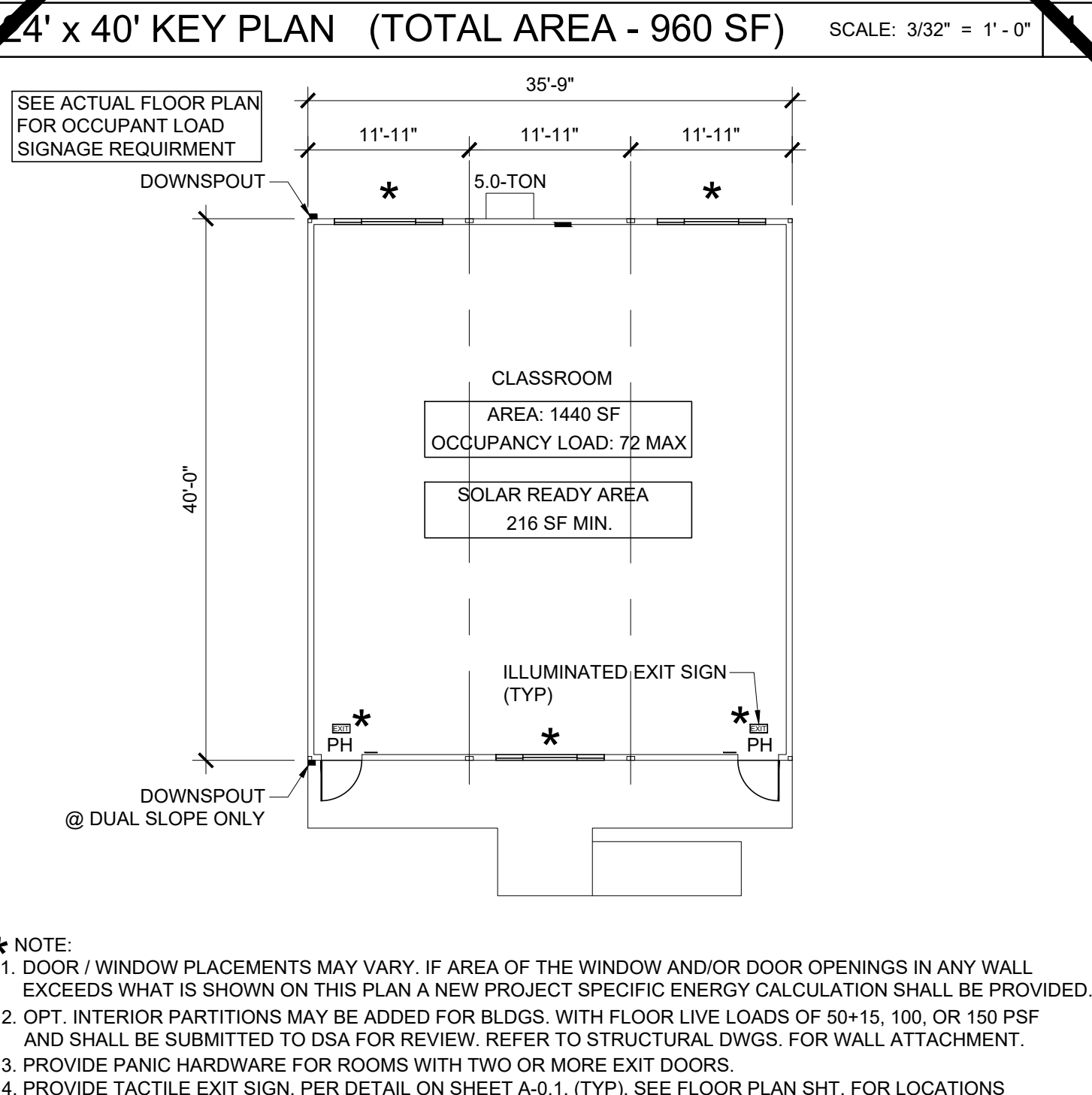
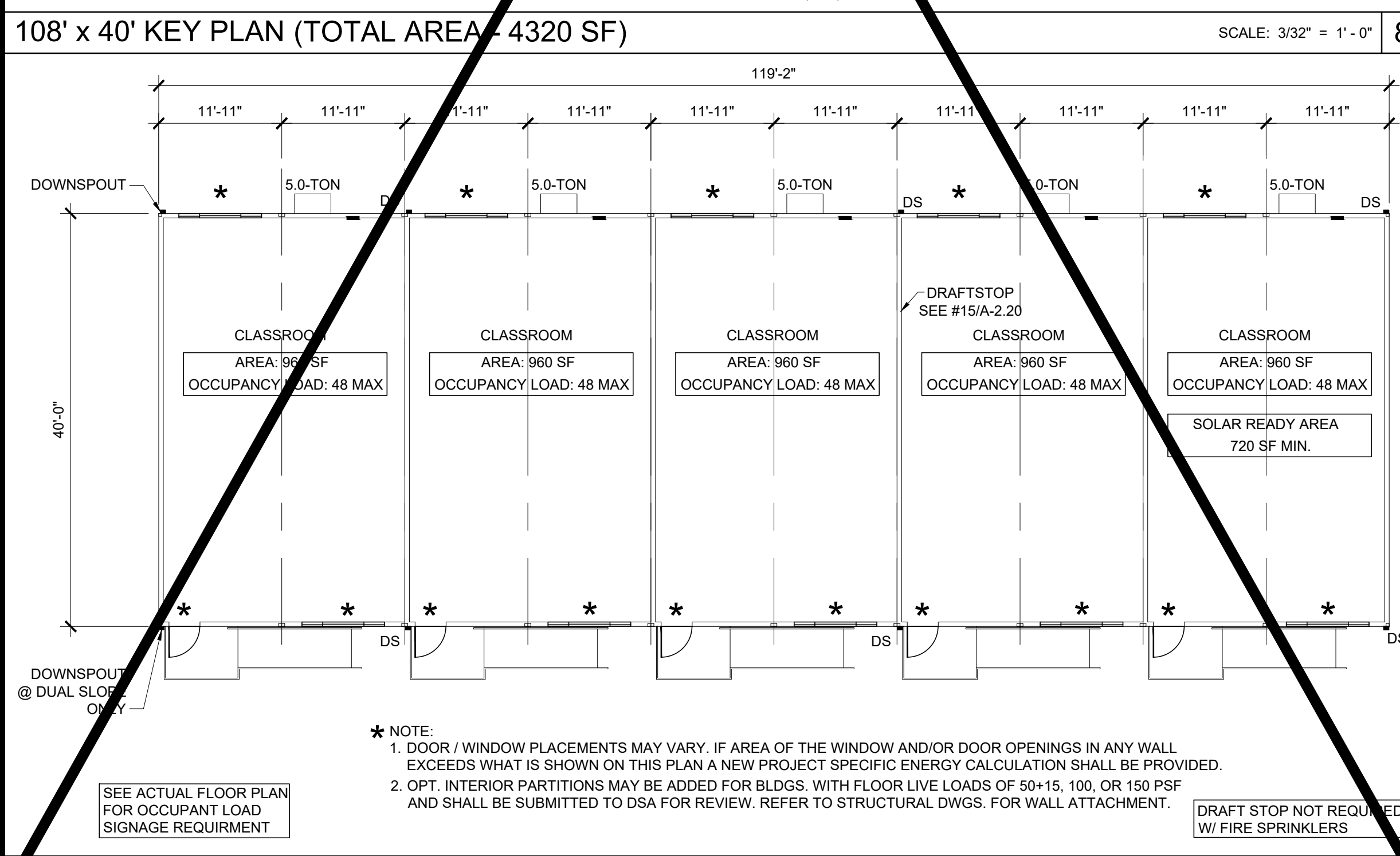
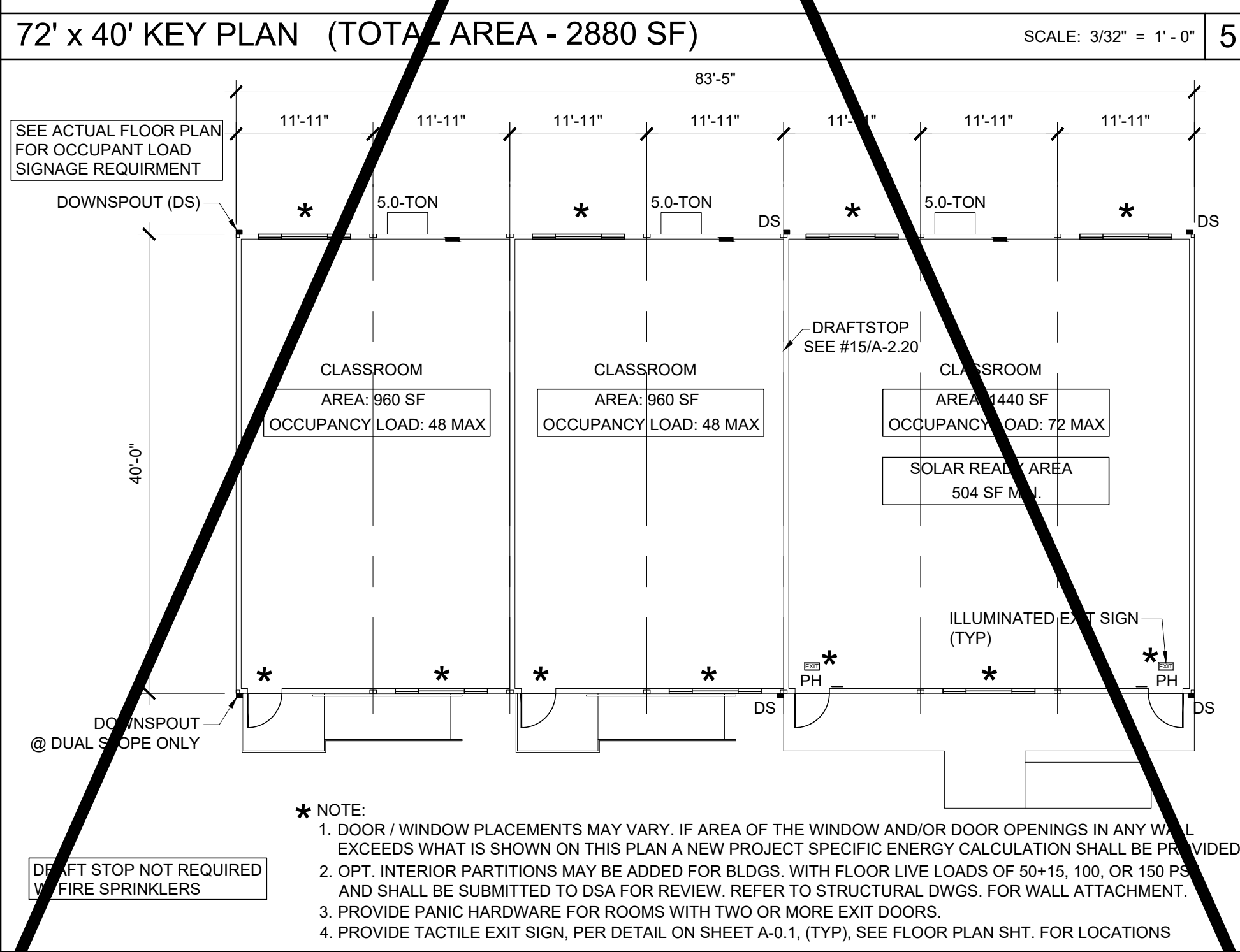
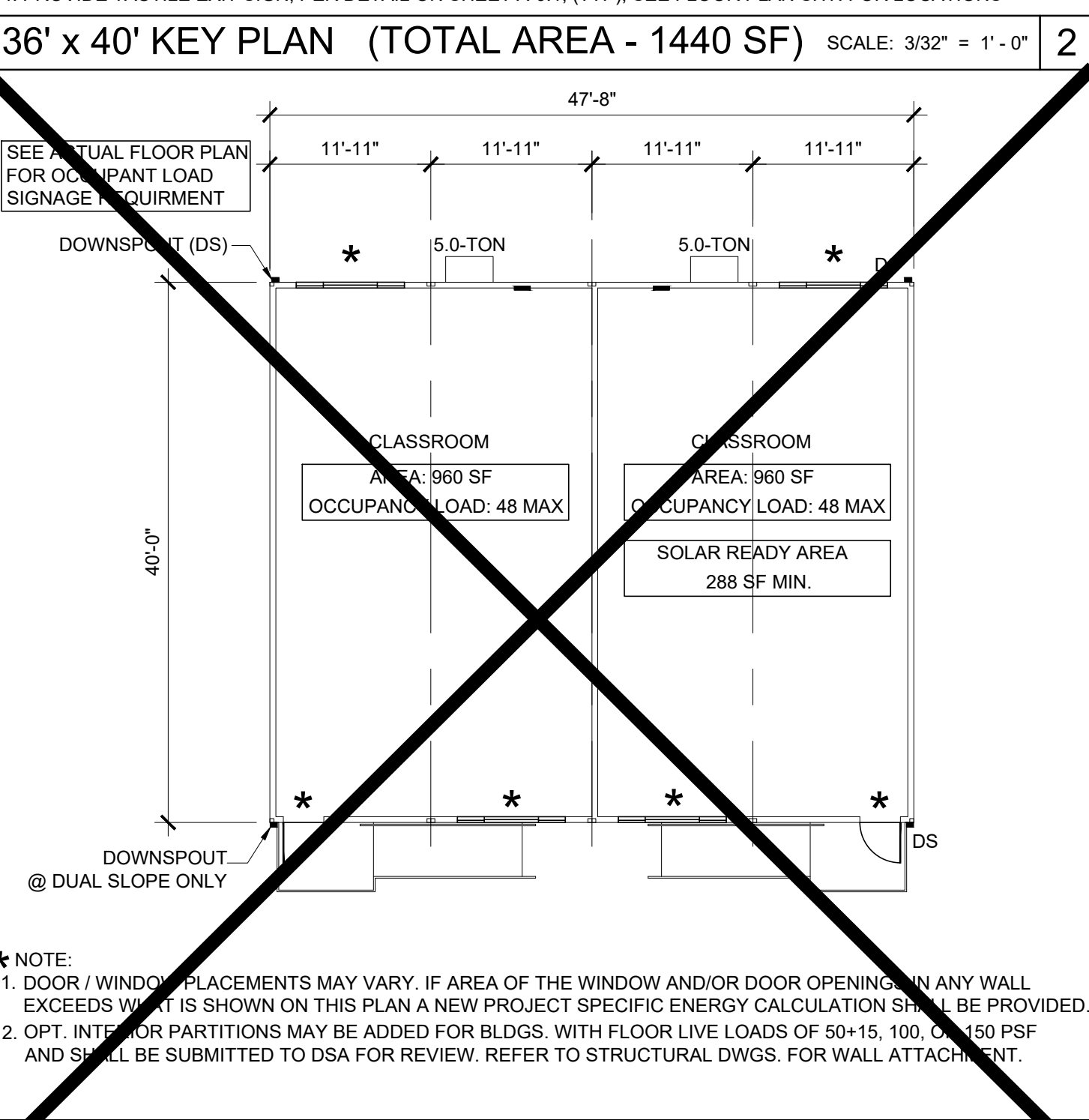
~~IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APP. 04/12/1999 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/31/2023~~

PC STATE AGENCY APPROVAL



A circular professional engineer seal for John W. Starlin, State of California, No. 47751. The seal features the text "REGISTERED PROFESSIONAL ENGINEER" at the top, "JOHN W. STARLIN, E.I.T." in the center, and "STATE OF CALIFORNIA" at the bottom. A handwritten signature "John W. Starlin" and the number "47751" are overlaid on the seal.

A-0.2	
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PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc.

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

TYPICAL KEY PLANS
24' - 120' x 40'

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVIEW FOR:
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.3

<div> <div></div> <div>24x40</div> </div> <div>(1) 5-ton unit</div>						
TDV Eff.	%	TDV Total	%	Source EN.	%	Result
82.80	19.7%	82.80	19.7%	7.99	22.1%	0.0%
85.05	19.9%	85.05	19.9%	8.19	22.4%	0.0%
85.02	19.9%	85.02	19.9%	8.17	22.3%	0.0%
75.40	18.3%	75.40	18.3%	7.33	20.6%	0.0%
78.40	18.8%	78.40	18.8%	7.57	21.1%	0.0%
80.35	19.1%	80.35	19.1%	7.74	21.4%	0.0%
81.33	19.3%	81.33	19.3%	7.82	21.6%	0.0%
74.96	18.3%	74.96	18.3%	7.31	20.7%	0.0%

66.40	15.4%	66.40	15.4%	6.35	19.6%	0.0%
70.63	16.1%	70.63	16.1%	6.72	20.3%	0.0%
71.45	16.3%	71.45	16.3%	6.80	20.6%	0.0%
61.72	14.6%	61.72	14.6%	5.93	18.6%	0.0%
61.83	14.6%	61.83	14.6%	6.06	18.8%	0.0%
64.40	15.0%	64.40	15.0%	6.26	19.3%	0.0%
61.53	14.4%	61.53	14.4%	6.05	18.7%	0.0%
59.93	14.2%	59.93	14.2%	5.80	18.3%	0.0%

48.32	13.5%	48.32	13.5%	19.97	33.1%	0.0%
51.04	14.1%	51.04	14.1%	20.02	33.1%	0.0%
49.49	13.7%	49.49	13.7%	19.94	33.0%	0.0%
38.74	11.2%	38.74	11.2%	19.58	32.7%	0.0%
51.37	14.2%	51.37	14.2%	20.12	33.3%	0.0%
54.75	15.0%	54.75	15.0%	20.11	33.2%	0.0%
51.32	14.2%	51.32	14.2%	19.87	33.0%	0.0%
41.72	12.0%	41.72	12.0%	19.55	32.7%	0.0%

□ **48x40**
(2) 5-ton units

(2) 24x40 CLASSROOMS

□ **72x40**
(3) 5-ton units

(3) 24x40 CLASSROOMS

□ **84x40**
(3) 5-ton units

(2) 24x40 CLASSROOMS +
(1) 36x40 CLASSROOM

<div> <div></div> <div>96x40</div> </div>	<div> <div></div> <div>(4) 5-ton units</div> </div>
	<div>(4) 24x40 CLASSROOMS</div>

□ 108x40 (4) 5-ton units	
(3) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM	

☐ 120x40 (5) 5-ton units
(5) 24x40 CLASSROOMS

HVAC Min Design - Zone: 1-16		
Buildings: All		
Tonnage	5	
Min. EER / COP	11.0/3.3	
Outside Air	See Ventilation Calcs on Mechanical Plans	
Occupancy Sensor	Yes	
DCV/ Economizer	Yes	
Cooling Stages (Min.)	1	
Allowable Mechanical Unit (See Equipment Schedule)		
	STANDARD	OPTIONAL

ENERGY SPECS

PC STATE AGENCY APPROVAL



SILVER CREEK INDUSTRIES
24' x 40' PC

P.C. SHEET NUMBER

A-0.51

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4	
Nonresidential Performance Compliance Method					(Page 1 of 18)	
Project Name:		04-121999 - 36x40 - WD FLR - WALL HVAC		Date Prepared:		2023-07-18
A. General Information						
1. Project Name		04-121999 - 36x40 - WD FLR - WALL HVAC				
2. Run Title						
3. Project Location		-specify -				
4. City		-specify -				
5. Zip code		92301				
6. Climate Zone		14				
7. Building Type(s)		Relocatable Public School Building for use in all climate zones Occupancy: E				
8. Project Scope		New complete scope				
9. Total Conditioned Floor Area (ft ²)		1440				
10. Total Unconditioned Floor Area (ft ²)		0				
11. Total # of Stories (Probable Above Grade)		1				
12. Residential Conditioned Floor Area		1440				
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271. Total # of Stories (Probable Above Grade)		1				
272. Residential Conditioned Floor Area		1440				
273. Total # of Stories (Probable Above Grade)		1				
274. Residential Conditioned Floor Area		1440				
275. Total # of Stories (Probable Above Grade)		1				
276. Residential Conditioned Floor Area		1440				
277. Total # of Stories (Probable Above Grade)		1				
278. Residential Conditioned Floor Area		1440				
279. Total # of Stories (Probable Above Grade)		1				
280. Residential Conditioned Floor Area		1440				
281. Total # of Stories (Probable Above Grade)		1				
282. Residential Conditioned Floor Area		1440				
283. Total # of Stories (Probable Above Grade)		1				
284. Residential Conditioned Floor Area		1440				
285. Total # of Stories (Probable Above Grade)		1				
286. Residential Conditioned Floor Area		1440				
287. Total # of Stories (Probable Above Grade)		1				
288. Residential Conditioned Floor Area		1440				
289. Total # of Stories (Probable Above Grade)		1				
290. Residential Conditioned Floor Area		1440				
291. Total # of Stories (Probable Above Grade)		1				
292. Residential Conditioned Floor Area		1440				
293. Total # of Stories (Probable Above Grade)		1				
294. Residential Conditioned Floor Area		1440				
295. Total # of Stories (Probable Above Grade)		1				
296. Residential Conditioned Floor Area		1440				
297. Total # of Stories (Probable Above Grade)		1				
298. Residential Conditioned Floor Area		1440				
299. Total # of Stories (Probable Above Grade)		1				
300. Residential Conditioned Floor Area		1440				
301. Total # of Stories (Probable Above Grade)		1				
302. Residential Conditioned Floor Area		1440				
303. Total # of Stories (Probable Above Grade)		1				
304. Residential Conditioned Floor Area		1440				
305. Total # of Stories (Probable Above Grade)		1				
306. Residential Conditioned Floor Area		1440				
307. Total # of Stories (Probable Above Grade)		1				
308. Residential Conditioned Floor Area		1440				
309. Total # of Stories (Probable Above Grade)		1				
310. Residential Conditioned Floor Area		1440				
311. Total # of Stories (Probable Above Grade)		1				
312. Residential Conditioned Floor Area		1440				
313. Total # of Stories (Probable Above Grade)		1				
314. Residential Conditioned Floor Area		1440				
315. Total # of Stories (Probable Above Grade)		1				
316. Residential Conditioned Floor Area		1440				
317. Total # of Stories (Probable Above Grade)		1				
318. Residential Conditioned Floor Area		1440				
319. Total # of Stories (Probable Above Grade)		1				
320. Residential Conditioned Floor Area		1440				
321. Total # of Stories (Probable Above Grade)		1				
322. Residential Conditioned Floor Area		1440				
323. Total # of Stories (Probable Above Grade)		1				
324. Residential Conditioned Floor Area		1440				
325. Total # of Stories (Probable Above Grade)		1				
326. Residential Conditioned Floor Area		1440				
327. Total # of Stories (Probable Above Grade)		1				
328. Residential Conditioned Floor Area		1440				
329. Total # of Stories (Probable Above Grade)		1				
330. Residential Conditioned Floor Area		1440				
331. Total # of Stories (Probable Above Grade)		1				
332. Residential Conditioned Floor Area		1440				
333. Total # of Stories (Probable Above Grade)		1				
334. Residential Conditioned Floor Area		1440				
335. Total # of Stories (Probable Above Grade)		1				
336. Residential Conditioned Floor Area		1440				
337. Total # of Stories (Probable Above Grade)		1				
338. Residential Conditioned Floor Area		1440				
339. Total # of Stories (Probable Above Grade)		1				
340. Residential Conditioned Floor Area		1440				
341. Total # of Stories (Probable Above Grade)		1				
342. Residential Conditioned Floor Area		1440				
343. Total # of Stories (Probable Above Grade)		1				
344. Residential Conditioned Floor Area		1440				
345. Total # of Stories (Probable Above Grade)		1				
346. Residential Conditioned Floor Area		1440				
347. Total # of Stories (Probable Above Grade)		1				
348. Residential Conditioned Floor Area		1440				
349. Total # of Stories (Probable Above Grade)		1				
350. Residential Conditioned Floor Area		1440				
351. Total # of Stories (Probable Above Grade)		1				
352. Residential Conditioned Floor Area		1440				
353. Total # of Stories (Probable Above Grade)		1				
354. Residential Conditioned Floor Area		1440				
355. Total # of Stories (Probable Above Grade)		1				
356. Residential Conditioned Floor Area		1440				
357. Total # of Stories (Probable Above Grade)		1				
358. Residential Conditioned Floor Area		1440				
359. Total # of Stories (Probable Above Grade)		1				
360. Residential Conditioned Floor Area		1440				
361. Total # of Stories (Probable Above Grade)		1				
362. Residential Conditioned Floor Area		1440				
363. Total # of Stories (Probable Above Grade)		1				
364. Residential Conditioned Floor Area		1440				
365. Total # of Stories (Probable Above Grade)		1				
366. Residential Conditioned Floor Area		1440				
367. Total # of Stories (Probable Above Grade)		1				
368. Residential Conditioned Floor Area						

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 5 of 6)

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotels/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 1 of 4)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Perris	04	Building Size (ft²)	960
02	Occupancy Type	Nonresidential	05	Nonresidential Conditioned Floor Area (ft²)	< 10,000 ft²
03	Project Type	Newly constructed	06	HVAC System Type	Unitary or packaged equipment each serving one zone
			07	Climate Zone	10

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01	Table F: Design Review Kickoff	120.8(i)(1) and 120.8(i)(2)	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(b)	This requirement does not apply.
03	Table H: Basis of Design (BOD)	120.8(c)	This requirement does not apply.
04	Table I: Design Review	120.8(d) and 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	This requirement does not apply.
06	Table K: Functional Performance Testing	120.8(g)	This requirement does not apply.
07	Table L: Documentation and Training	120.8(h)	This requirement does not apply.
08	Table M: Commissioning Report	120.8(i)	This requirement does not apply.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 2 of 6)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 2 of 6)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "COMPLIES WITH EXCEPTIONAL CONDITIONS" refer to Table D for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes		Yes						COMPLIES
10	Design Review(s) for the project include:				John Starlin			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 3 of 6)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 3 of 6)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING

This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)(1) and demonstrates compliance with design review kickoff requirements per 120.8(i)(2). This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	2022-12-05
02	Meeting Attendees: (one person may play multiple roles)	
03	Owner/Building Manager	☐ Ryan McIntosh
04	Project Manager	☒ Design Architect/Engineer(s): John Starlin
05	Contractor	☐ Certified Acceptance Test Tech(s):
06	Commissioning Provider	☒ Energy/124 Part B Consultant: John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)(1)

The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.

☐ In addition, for buildings with < 10,000 ft², the design reviewer(s) may be the engineer or architect of record. The design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third-party engineer, architect or contractor.

☒ Yes ☐ No

04 The design reviewer(s) for this project will be: John Starlin

Preliminary Construction Schedule

	Start Date	Completion Date
05 Schematic Design	2022-12-05	2022-12-05
06 Design Development	2022-12-05	2022-12-05
07 Construction Documents	2022-12-05	2023-02-24
08 Construction	2024-01-01	2024-01-01
09 Building Turnover	2024-01-01	2024-01-01

Project Goals Related to Energy Efficiency

10 Operational Costs	Code Minimum performance
11 Desired Building Lifespan	30 - 50 years.
12 Equipment Lifecycle	Industry standard.
13 Project Energy Efficiency Goals	Code Minimum performance.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 4 of 6)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 4 of 6)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING

10	Envision Goals	Code minimum performance.
15	HVAC System Goals	Code minimum performance.
16	Indoor Lighting System Goals	Code minimum performance.
17	Outdoor Lighting System Goals	Code minimum performance.
18	Water Heating System Goals	Code minimum performance.
19	Equipment and System Specifications	Industry standard equipment.
20	Operations and Maintenance	No specific requirements.

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This section does not apply to this project.

H. BASIS OF DESIGN (BOD)

This section does not apply to this project.

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(b) and 120.8(e). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G) and the Basis of Design Documents (Table H). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F, during the Design Review Kickoff.

01	Attaching Completed Design Review Documentation?	YES	NO
----	--	-----	----

Design Review Checklist

02	Envelope Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
03	HVAC System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
04	HVAC Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
05	Indoor Lighting System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
06	Indoor Lighting Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 5 of 6)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 5 of 6)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

J. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

07	Outdoor Lighting System and Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
08	Water Heating System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
09	Other Systems and Features	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

K. FUNCTIONAL PERFORMANCE TESTING

This section does not apply to this project.

L. DOCUMENTATION AND TRAINING

This section does not apply to this project.

M. COMMISSIONING REPORT

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION
NRC-CBC-8
(Page 6 of 6)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 6 of 6)

Project Address: Date Prepared: 2023-01-31T18:53:26-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh

Documentation Author Signature:

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building permit(s) to the building owner at occupancy.

Responsible Designer Name: John Starlin

Responsible Designer Signature:

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0005
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA
Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION
NRC-ELC-6
(Page 1 of 4)

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with mandatory requirements in 120.5, for electrical systems in newly constructed nonresidential and hotels/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotels/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 160.10(a) or 160.10(b)(b)(b).

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 1 of 4)

Project Address: Date Prepared: 2023-01-31T18:53:58-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Perris	02	Climate Zone	10
			03	Occupancy Types Within Project:	Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/Description	Scope of Work¹	Rating¹ (kVA)	Utility Provided Metering System Exception to 130.5(a)(1) to 160.6(a)²	System subject to CA Elec. Code Article 217 Exception to 130.5(a) and 160.6(a)	Demand Response Controls	Provides power to dwelling units/communal living areas only in multifamily occupancy
Site feeder	Add/Abs to branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.27, 160.3, 130.17, 160.5, and 130.31, 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)(160.6c), no other requirements from 130.5/160.6 are required.
¹Documents use areas in a multifamily use for a residential use serving common use areas.
²Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-deferred period.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0006
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA
Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION
NRC-ELC-6
(Page 2 of 4)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 2 of 4)

Project Address: Date Prepared: 2023-01-31T18:53:58-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES WITH EXCEPTIONAL CONDITIONS" refer to Table D. Exceptional Conditions for guidance or are applicable Table referenced below.

01	02	03	04	05	06
Service Electrical Metering 130.5(a)(1) to 160.6(a)	Separation for Monitoring 130.5(b)(1) to 160.6(b) (See Table I)	Voltage Drop 130.5(c)(1) to 160.6(c) (See Table I)	Controlled Recirculation 130.5(d)(1) to 160.6(d) (See Table I)	Electric Ready 160.9 (See Table I)	Compliance Results
AND	AND	AND	AND	AND	
AND	AND	Yes	AND		COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)(2)(iv)/180.2(b)(4)(iv)(c).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductor Compliance Method	Location of Voltage Drop Calculations¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Site feeder	☒ Voltage drop less than 5% ☐ Permitted by CA Elec Code [Exception to 130.5(c)]²	Contractor Responsible		Pass Fail
				☐ ☐

*NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
¹FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents (if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0006
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA
Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION
NRC-ELC-6
(Page 3 of 4)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 3 of 4)

Project Address: Date Prepared: 2023-01-31T18:53:58-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRC-ELC-6 - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0006
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA
Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION
NRC-ELC-6
(Page 4 of 4)

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOMReport Page: (Page 4 of 4)

Project Address: Date Prepared: 2023-01-31T18:53:58-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh

Documentation Author Signature:

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building permit(s) to the building owner at occupancy.

Responsible Designer Name: John Starlin

Responsible Designer Signature:

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 86563-0123-0006
Schema Version: rev 20220101 Report Generated: 2023-01-31 15:54:00

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC. (SCM Inc.) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. NO. 121999
REVIEWED FOR
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P. C. SHEET NUMBER

A-0.6A

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION </div> <h2 style="margin: 0;">Outdoor Lighting</h2> <div style="text-align: right; font-size: 0.8em; font-weight: normal;">NCEC 01-18</div>																										
<div style="display: flex; justify-content: space-between;"> CHARTERER OR COMRADE DATE PREPARED </div>																										
<p>This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)(2) for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to demonstrate compliance with requirements in 170.0, 170.2(b), 180.1(a) and 180.2(b)(4) for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.</p>																										
Project Name: SILVER CREEK K - TYPICAL CLASSROOM	Date Prepared: 2023-03-31T18:54:25-05:00																									
Project Address:																										
<div style="border: 1px solid black; padding: 5px;"> A. GENERAL INFORMATION <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 30%; padding: 2px;"> [1] Project Location (city) </td> <td style="width: 30%; padding: 2px;">Peris</td> <td style="width: 10%; padding: 2px;">04</td> <td style="width: 30%; padding: 2px;">Total Illuminated Hardscape Area (ft²)</td> <td style="width: 10%; padding: 2px;">80</td> </tr> <tr> <td style="padding: 2px;">[2] Climate Zone</td> <td style="padding: 2px;">04</td> <td colspan="3" style="padding: 2px;">Outdoor Lighting Zone per Title 24 Part 11, 130.114 or as designated by Authority Having jurisdiction (AHJ):</td> </tr> <tr> <td style="padding: 2px;">[3] Outdoor Lighting Zone per Title 24 Part 11, 130.114 or as designated by Authority Having jurisdiction (AHJ):</td> <td style="padding: 2px;">[3]-0: Very Low - Underserved Parkland</td> <td style="padding: 2px;">[3]-2: Moderately Low - Urban Centers</td> <td colspan="2" style="padding: 2px;">[3]-2.4: High - Must be reviewed by CA Energy Commission for Approval</td> </tr> <tr> <td style="padding: 2px;">[4] [2]-1: Low - Rural Areas</td> <td style="padding: 2px;">[4]</td> <td colspan="3" style="padding: 2px;">[2]-3: Moderately High - Urban Areas</td> </tr> <tr> <td colspan="5" style="padding: 2px;">[5] Occupancy Types within Project</td> </tr> </table> </div>		[1] Project Location (city)	Peris	04	Total Illuminated Hardscape Area (ft ²)	80	[2] Climate Zone	04	Outdoor Lighting Zone per Title 24 Part 11, 130.114 or as designated by Authority Having jurisdiction (AHJ):			[3] Outdoor Lighting Zone per Title 24 Part 11, 130.114 or as designated by Authority Having jurisdiction (AHJ):	[3]-0: Very Low - Underserved Parkland	[3]-2: Moderately Low - Urban Centers	[3]-2.4: High - Must be reviewed by CA Energy Commission for Approval		[4] [2]-1: Low - Rural Areas	[4]	[2]-3: Moderately High - Urban Areas			[5] Occupancy Types within Project				
[1] Project Location (city)	Peris	04	Total Illuminated Hardscape Area (ft ²)	80																						
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[5] Occupancy Types within Project																										
<div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> B. PROJECT SCOPE <p>This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance with the prescriptive path outlined in 140.7 / 170.2(b) and 141.0(b)(2) / 180.2(b)(4) for alterations.</p> <p>My Project Consists of:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 30%; padding: 2px;">01</td> <td style="width: 30%; padding: 2px;">02</td> <td style="width: 40%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">☐ New Lighting System</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">Must Comply with Allowances from 140.7 / 170.2(c)</td> </tr> <tr> <td style="padding: 2px;">☐ Altered Lighting System</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">Is your alteration increasing the connected lighting load (Watts)?</td> </tr> <tr> <td style="padding: 2px;">03</td> <td style="padding: 2px;">04</td> <td style="padding: 2px;">05</td> </tr> <tr> <td style="padding: 2px;">% of Existing Luminaire(s) being Altered¹</td> <td style="padding: 2px;">Sum Total of Luminaires being Added and/or Altered</td> <td style="padding: 2px;">Calculation Method</td> </tr> <tr> <td style="padding: 2px;"> ☐ < 50% ☐ 50% and < 50% and < 50% ☐ > 50% </td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> <p><small>¹ FOOTNOTES: 0% of Existing Luminaires being Altered = Sum Total of Luminaires being Added and/or Existing / Luminaires within Scope of the Permit Application / 100.</small></p> </div>		01	02		☐ New Lighting System		Must Comply with Allowances from 140.7 / 170.2(c)	☐ Altered Lighting System		Is your alteration increasing the connected lighting load (Watts)?	03	04	05	% of Existing Luminaire(s) being Altered ¹	Sum Total of Luminaires being Added and/or Altered	Calculation Method	☐ < 50% ☐ 50% and < 50% and < 50% ☐ > 50%									
01	02																									
☐ New Lighting System		Must Comply with Allowances from 140.7 / 170.2(c)																								
☐ Altered Lighting System		Is your alteration increasing the connected lighting load (Watts)?																								
03	04	05																								
% of Existing Luminaire(s) being Altered ¹	Sum Total of Luminaires being Added and/or Altered	Calculation Method																								
☐ < 50% ☐ 50% and < 50% and < 50% ☐ > 50%																										

STATE OF CALIFORNIA
Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: _____
Project Address: _____

SILVER CREEK PK - TYPICAL CLASSROOM

Report Page: _____
Date Prepared: _____

MSC2024

Page 2 of 8
2023-01-31T18:54:23-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 (10.7) or 141.0 (20.2) / 180.2 (30.4)W															
01	02	03	04	05	06	07	08	09							
General Handicap Allowance 140.7(10.7) 170.2(26.9) (See Table F)	+	Per Application 140.7(10.7) 170.2(26.9) (See Table G)	+	Sales Footage 140.7(10.7) (See Table K)	+	Ornamental 170.2(26.9) (See Table L)	+	Per Specific Area 140.7(10.7) 170.2(26.9) (See Table M)	OR	Existing Power Allowance 141.0(20.2) 180.2(30.4) (See Table N)	=	Total Allowed (Watts)	≥	Total Actual (Watts)	07 must be = 08
258.06	+	19	+	---	+	---	+	0	OR	277.06	=	2	30	COMPLIES	N/A
Shedding Compliance (See Table G for Details)															
Controls Compliance (See Table H for Details)															

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Selections made in Certificates of Installation Table have been changed to the permit applicant. See Table I. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

(NICKI-10-01-E-Explanation) 1

Registration Number: _____

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: _____

Report Version: 2022-03-01
Schema Version: 2022-03-01

Documentation Sources: Energy Code And _____

Compliance ID: R0688-03-01-2007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION
 NESC 701.1

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Project Address:

Report Page:

Date Prepared:

Page 1 of 1

2023.01.31T18:54:23.05-08

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting system demonstrating compliance with 160.7.170.2b(6) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the table below. For altered lighting systems using the Existing Power method with 161.04(2)(b), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included. (i.e. existing luminaires remaining or existing luminaires removed and not replaced). During lighting design, access to multifamily buildings and controlled from the inside of a dwelling unit are included in Table F, and are not included here. All other multifamily outdoor lighting is summarized in Table G.

Designated Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item	Complete Luminaire Description	Watts per luminaire ¹	How is Wattage determined	Total Number Luminaires	Luminaire Status ²	Excluded per 160.7(b) / 170.2(b)(6A)	Design Watts	Cutoff Req. = 6,200 initial output 150,201 / 180,201	Field Inspection
									Pass / Fail
F-1	0 Watt LED Walkpads ☐ Linear	30	Mfc Spec	1	New	☐	30	NA < 6000 lumens	☐
Total Design Watts:							30		

¹ * NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 (a) Luminaire is lighting a surface (DESCRIPTORS 2 to 130.201)
² FOOTNOTES: Authority listing Jurisdiction may not be for Luminaire or cut sheets in conform wattage used for compliance per 161.05(1) of R65.010.
 For linear luminaires, wattage should be indicated as W/m instead of Watts/Luminaire. Total linear feet should be indicated in column 09 instead of number of luminaires.
 Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing to Remove" for existing luminaires which are being removed and removed as part of the project scope.

³ Compliance with mandatory shielding requirements is required for luminaires with initial lumens output > 6,200 lumens exempted by 130.2(b) / 180.2(b).

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 2022.03.08
 Schema Version: 2020.0201

Documentation Summary: Energy Code As

Compliance ID: R6503.013-0097
 Report Generated: 2023.01.31 15:54:34

STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name:

SILVER CREEK FC - TYPICAL CLASSROOM

Project Address:

NEC Section:

90.1

Date Prepared:

2023-01-31T18:54:23-05:00

Page 4 of 8

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with control requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie unswitched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

G1	G2	G3	G4	G5	
Area Description	Shut-Off 130.2(c)(1 / 160.5(c)	Auto-Schedule 130.2(c)(2 / 160.5(c)	Motion Sensor 130.2(c)(3 / 160.5(c)	Field Inspector	
				Pass	Fail
Entry: "F-1"	Photocell control	Provided	NA: Facade, etc. >=24 ft	☐	☐

FOOTNOTES: This has been observed, please refer to Table 160.3.A to confirm compliance with the specific light source technologies listed.

Additional limitations may only apply for customers or other documentation to confirm compliance of light source.

Nonused luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from B and C.

Registration Number:

Generated Date/Time:

Document Software: Energy Code App

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.0.00
Schema Version: 00.2023001

Compliance ID: R0688-2023-0007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NCEC-012	
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Page: _____	
Project Address: _____		Date Prepared: _____	
		(Page 1 of 6) 2023-01-31T18:54:22 (Page 01)	

1. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(c))

The table includes areas using calculated General Allowance per 140.7 / 170.2(b). General Allowance is per Table 140.7.A/170.2.A. "Use it or lose it" Allowances are per Table 140.7.B/170.2.B. Indicate which allowances are being used to respond to areas by user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowance per Table 140.7.A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA) Illuminated Area (ft ²)	Allowed Density (w/ft ²)	Area Allowance (Watts)	General Hardscape Allowance Table (below)	☐ Per Application Table K ☐ Sales Frontage Table K ☐ Ornamental Table L ☐ Per Specific Area Table M		Total General AWA + AWA Allowance (Watts)
Entry	60	0.021	1.26	34	0.2	6.8	8.06
Initial Wattage Allowance for Entire Site (Watts)							250
Instances of Initial Wattage Allowance (L2 only)							
Total General Hardscape Allowance (Watts)							250.06

STATE OF CALIFORNIA
Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Report Date: (Page 4 of 8)

Project Address: Date Prepared: 2023-01-31T18:54:22-05:00

CALIFORNIA ENERGY COMMISSION

NREC-23-01

J. LIGHTING ALLOWANCE: PER APPLICATION

This table includes areas using the wattage allowance per application from Table 140.7.4.8 / Table 170.2.5.

01		02	03	04	05	06	07	08	09	10
		CALCULATED ALLOWANCE (Watts)			DESIGN WATTS					
Area Description	Application per Table 140.7.4.8 ¹	# of Locations	Allowance per Location ²	Extra Allowance	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)	
Entry Door	Building Entrance/Exit	1	19	19	F-1	30	1	30	19	
Total Design Watts for this Area									30	19
Total Allowance (Watts) All Areas									30	19

¹FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
²The Allowance per location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7.4.8/ Table 170.2.5.
 For luminaires installed in Table 7 as In-use, wattage in column 07 is WATTS instead of Watts/Luminaire. Total luminaire feet should be indicated in column 08 instead of number of luminaires.

K. LIGHTING ALLOWANCE: SALES, WATTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 20220000
Schema Version: 02.000003

Documentation Software: Energy Code Ab

Compliance ID: 06055-01-23-0007
Report Generated: 2023-01-31 15:54:42

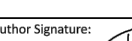
STATE OF CALIFORNIA Outdoor Lighting		CALIFORNIA ENERGY COMMISSION NREL/CESL
CERTIFICATE OF COMPLIANCE		
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	(Report Page: Page 7 of 8)
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00
O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		
Form/Title		
NREL-CO-E - Must be submitted for all buildings		
P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
Form/Title	Systems/Spaces To Be Field Verified	
NRCA-TD-Q2-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.		Entry: "F-1"

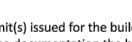
Registration Number:
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:
Report Version: 2022.0.060
Schema Version: rev 20220101

Documentation Software: Energy Code Ace
Compliance ID: B0565-F013-B087
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NREC-028-0	
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Page: (Page 4 of 8)	
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2802 Barnard Ave City/State/Zip: Torrance/CA/90571	Documentation Author Signature:  Signature Date: 02-19-2023 CNA Notes (Certification Declaration if applicable): (P) 951-845-0391

RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on the Certificate of Compliance conform to the requirements of the California Building Energy Efficiency Standards. 4. The building design features and system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I warrant that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued, and made available to the enforcement agency for all applicable inspections and understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation to be submitted to the building owner at occupancy.	
Responsible Designer Name: John Starns Silver Creek Industries, LLC Address: 2802 Barnard Ave City/State/Zip: Torrance/CA/90571	Responsible Designer Signature:  Signature Date: 02-19-2023 License: 2475 Phone: (951) 845-0391

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2023.00.00 Schema Version: 2.00.0001	Documentation Source: Energy Code Lab Compliance ID: 06865831-23-01-04 Report Generated: 2023-01-31T18:54:22-05:00
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STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NCEC-181	
FIRST-FLIGHT OR COMPLIANCE			
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 120.1, 120.3, 120.4, and 140.5, and with requirements in 141.2 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 120.1, 120.3, 140.4 and 170.260, and with requirements 180.1 for additions and 180.2 for alterations.			
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Page: 1	
Project Address:		Date Prepared: 02/16/2016	
		2013-02-01 (Q116) to 1/31/2016	
A. GENERAL INFORMATION			
01	Project location (City)	Permit	02 Climate Zone
03	Occupancy Type(s) Project (select all that apply):		10
☒ Classroom classrooms and restrooms lavatories			
☐ Classroom classrooms and restrooms lavatories			
B. PROJECT SCOPE			
This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140.7, 170.260 and 141.04(a) 180.1, or 141.08(b)(1) 180.2 for additions or alterations. Solar water heating systems are documented on the NCEC-SAC compliance document. Combined hydronic water heating systems are documented on the NCEC-MCM compliance document.			
01	02	03	
My project consists of (check all that apply):	System Type ^{1,2}	System Components	
☒ New system (DHW system being installed for the first time in newly constructed building)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution ☒ Controls
☐ System Alteration (expansion, distribution or controls)		☐ Equipment	☐ Distribution ☐ Controls
FOOTNOTES: Point of view serving two or more, or other non-central systems used to serve nonresidential spaces, are considered individual systems. Units that refer to hotel/motel guest rooms and units in a multifamily residential occupancy. DHW systems of water heaters and/or more dwelling units are considered "Central Systems" for multifamily occupancies			
C. COMPLIANCE RESULTS			
Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicates no compliance for purpose.			
01	02	03	04
Domestic Hot Water Equipment	Distributions Systems	Controls	Compliance Results

STATE OF CALIFORNIA
Domestic Water Heating System

ESTIMATE OF COMPLIANCE

Project Name: SILVER CREEK PK - TYPICAL CLASSROOM Report Page: **(Page 2 of 6)**

Project Address: Date Prepared: 2023-02-02 07:16:35 (P) 05-00

CALIFORNIA ENERGY COMMISSION
NBC 34-3

[E. ADDITIONAL REMARKS]

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

[F. DOMESTIC HOT WATER EQUIPMENT]

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(c) must also be demonstrated and with 141.0 / 180.1 and 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04		05		06	
System Name	WH-1	Exemption to 140.5(c) / 170.2(c)	Exemptions Do Not Apply	☐	Gas Service Water Heating System = 1MMBtu/yr	Capacity-weighted Average Efficiency %	
07	08	09	10	11	12	13	14
Name or Item Tag	Equipment Type	Volume [gal]	Rated Input Capacity [Btu/h]	Max GPM / First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit
							Designed Standby Loss
							Maximum Standby Loss
WH-1	Consumer Rated Electric Instantaneous (<120W)	<=2	10,264	0 - 4 GPM <1.7	0.91	0.91	UEF

***FOOTNOTE:** In systems = 1MMBtu/yr with multiple units, gas water heaters with input capacity > 100,000 Btu/hr may meet 90% EUE requirements via an input capacity-weighted average.

Water Heating Equipment All Occupancies

18	Yes	No	Not Applicable	Requirement
18	☐	☐	☐	Unfired storage tank insulation shall have Internal + External >= 3.6 R-value. External >= 3.5. Label required per 110.3(c)3
19	☐	☐	☐	New state buildings: 60% of energy for service water heating from solar energy or recovered energy in 110.3(c)5
20	☐	☐	☐	Isolation valves for instantaneous water heater with input rating >= 6.8 MBTUH or 2 KW has been specified per 110.3(c)6
21	☐	☐	☐	School buildings > 250,000 ft² and 4 stories must install a heat pump water heating system per 140.5(c)6. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.00000
 Schema Version: 02.00000

Documentation Source: Energy Code Admin
 Report Generated: 2023-02-02 13:17:18

STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION <small>REGULATORY SERVICES DIVISION</small>	
Project Name: SILVER CREEK PK - TYPICAL CLASSROOM		Report Page: NRCB-FR-17	
Project Address:		Date Prepared: 2023-02-02T16:17:35-05:00	
<small>(Page 3 of 6)</small>			
G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM			
This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 120.3(a), 160.4(a), 170.2(a).			
Mandatory Pipe Installation At Occupancies			
13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see below) except: <ul style="list-style-type: none"> • Piping that penetrates framing, piping installed for the distance of the framing for the distance of the framing that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall be securely attached to all framing members. • Piping installed in interior or exterior walls that are not required to have pipe insulation if all of the requirements are met for compliance with Required Insulation Installation (Q3) as specified in the Reference Residential Applicable BAS 5. • Piping surrounded with a minimum of 1 inch of wall-insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation. 	
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: <ul style="list-style-type: none"> • Recirculating system piping, including supply and return piping of the water heater • The first hot and cold and outdoor piping, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable cast or in concrete. 	
15	☒	Pipe insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable cast or in concrete.	

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS						
Fluid Temperature Range (°F)	Conductivity Range (Btu-in/hr-ft ² -°F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to ≤ 1.5	1.5 to < 4	1.5 to < 4 Multi/Motel/Hotel
105-140	0.22 - 0.38	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Compliance Number:

Generated Date/Time: 2023-02-02T16:17:35-05:00
 Report Generated: 2023-02-02T16:17:35-05:00
 Schema Version: rev. 20220001

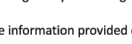
Documentation Software: Energy Code Ace
 Compliance ID: 2023-02-02T16:17:35-05:00
 Report Generated: 2023-02-02T16:17:35-05:00

STATE OF CALIFORNIA Domestic Water Heating System				CALIFORNIA ENERGY COMMISSION
ESTIMATE OF COMPLIANCE				NRC-PL-6 (Page 4 of 6)
Project Name:	SILVER CREEK PK - TYPICAL CLASSROOM		Report Date:	08/03/2020
Project Address:			Report Prepared:	2023-02-02T16:35:05-05:00
H. DOMESTIC HOT WATER CONTROLS				
Table 11.1 used to demonstrate compliance with control requirements in 110.3.3 for all occupancies. For <i>multi-family residential and hotel/motel occupancies</i> , compliance is also demonstrated with requirements in 160.4.0.1 (7/20/20).				
Yes	No	Not Applicable	Requirement	
01	☒	☐	Construction documents require manufacturer certification that service water heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3.6.1	
02	☐	☒	Systems with capacity > 307,600 BTU/h equipped with outlet temperature controls per 110.3.6.1.1 unless covered by California Plumbing Code 613.0.	
03	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per 110.3.6.1.2, unless systems serve health-care facility.	
04	☐	☒	For recirculation systems serving individual dwelling units, design includes automatic pump controls per 710.2(6) or 180.1(3).3 for design.	
05	☐	☒	For recirculation systems serving multiple dwelling units, design includes manual on/off controls as specified in Reference Appendix A.4.4.9 per 710.2(6).	
06	☐	☒	Combustion air positive shut-off shall be provided per 160.4(1) on all newly installed commercial boilers as follows: <ul style="list-style-type: none"> • Boilers with input capacity > 2.5 MBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure. • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MBtu/h. Boiler combustion air fans with motor > 1/2 hp shall have a total of the following: <ul style="list-style-type: none"> • The fan motor shall be driven by a variable speed drive. • The fan motor shall include controls that limit the fan motor demand to <30% of the total design wattage at 50% of the design air volume. 	
07	☐	☒	Newly installed boilers with an input capacity (10/16/21) 5MBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack gas) oxygen concentration < 5% by volume on an dry basis over firing rates of 20 to 100%. Combustion air volume shall be controlled with respect to firing rate or fuel gas oxygen concentration. Use of a combustion gas and combustion air control linkage or jack shutoff is prohibited.	
08	☐	☒		
Form/Title				
I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION				
NRC-PL-6 - Must be submitted for all buildings				
Registration Number:	Generated Date/Time:		Documentation Software: Energy Code Ace	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.06.00 Schema version: 2022.06.00		Compliance ID: 06455-2022-0000 Report Generated: 2023-02-02 13:17:18	

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		REC-008-03	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 5 of 6)
Project Address:	Date Prepared:		2023-02-02T16:37:35-05:00
J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
There are <i>no</i> farms required for this project.			
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION			
There are <i>no</i> farms required for this project.			

STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION REC-24-01	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 6 of 6)
Project Address:		Date Prepared:	2023-02-02T16:35:45-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2832 Barnard Ave City/State: Sparks/CA95371 CEN Number:	Documentation Author Signature:  Signatures Date: 02-16-2023 CEN uses Certification Identification of applicable: CEN Number: (051) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the 2019 California Energy Code. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, and all other documents submitted to the enforcement agencies for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance and all made available with the building permit(s) issued, and made available to the enforcement agency for all applicable insurance policies and a statement that a completed signed copy of this Certificate of Compliance is required by the California Energy Code.	Responsible Designer Signature:  Responsible Designer Name: John Storti Responsible Designer Title: Senior Mechanical Engineer, LLC Address: 2832 Barnard Ave City/State: Sparks/CA95371 CEN Number:

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.0.0 Schema Version: 00.002003	Compliance ID: 05555-03-0001 Report Generated: 2023-02-02 13:11:00

PROJECT SPECIFIC STATE AGENCY APPROVAL	
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc.	
PROJECT NAME: <div>S.S.F.U.S.D. MONTE VERDE E.S. TK-CLASSROOM</div>	
SHEET TITLE: <div>CERTIFICATE OF COMPLIANCE FORMS</div>	
REVISIONS <div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div>	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
<div><div><div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 06/12/1999 INC. REVIEWED FOR SS ☒ FLS ☐ ACS ☒ DATE: 08/31/2023</div></div></div> PC STATE AGENCY APPROVAL	
<div><div> Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div></div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div></div>	
SILVER CREEK INDUSTRIES 24' x 40' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 02-27-2023	
P.C. SHEET NUMBER	
A-0.6B	

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-PV

Report Page: 1

Date Prepared: 2023-02-17 11:05:07 05:00

Project Address: 2023-02-17 11:05:07 05:00

Page 1 of 5

A. GENERAL INFORMATION

01 Project Location (City) N/A

04 Building Occupancies School or Classroom

02 Climate Zone 15

05 Construction Type New construction

03 Conditioned Floor Area (ft²) 4800

06 Number of Stories Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)(18) 140.10/170.2(g) and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/170.2(g) and h)

01

☐ Provided PV system and battery storage sized per 140.10/170.2 (g and h)

The project has included an installed PV system and battery storage system per requirements in 140.10/170.2(g) and h) as documented in Table J.

☐ Exception to PV and Battery: Not enough Solar Access Roof Area

The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.

☐ Exception to PV and Battery: Required PV < 4kW

The required PV system size is less than 4 kW dc as documented in Table J.

☐ Exception to PV and Battery: No contiguous Solar Access Roof Area

The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.

☐ Exception to PV and Battery: Can't meet snow load

The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.

☐ Exception to PV and Battery: Multi-tenant without VNM or Community Solar

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.

☐ The prescriptive PV/Battery requirement has been traded off using the performance approach as documented on the PPR Certificate of Compliance form.

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90125-0223-0003

Report Generated: 2023-02-17 15:05:11

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-PV

Report Page: 1

Date Prepared: 2023-02-17 11:05:07 05:00

Project Address: 2023-02-17 11:05:07 05:00

Page 5 of 5

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the best of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy ratings and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available to the building permit issuer for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation that is submitted to the building permit at occupancy.

Responsible Designer Name: John Steinhilber

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90125-0223-0003

Report Generated: 2023-02-17 15:05:11

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 1 of 7

A. GENERAL INFORMATION

01 Project Location (City) N/A

04 Building Occupancies School or Classroom

02 Climate Zone 15

05 Construction Type New construction

03 Conditioned Floor Area (ft²) 1660

06 Number of Stories Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)(18) 140.10/170.2(g) and h) is indicated below.

Compliance with Solar Readiness Requirements in 110.10(b)(18)

01

☐ Provide Solar Ready Area no exceptions

The project has allocated a solar zone on the roof plan per requirements in §110.10(b)(18), as documented in Table F.

☐ Exception to Solar Ready Area: Installed Solar Photovoltaic System

The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.

☐ Exception to Solar Ready Area: Installed Solar Water Heating System

The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water heating system complying with 170.2(d)(3)(C) and Reference Residential Appendix RAA, as documented in Table H.

☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure

The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.10(b)(18) AND at least one additional measure listed in Exception 4 to §110.10(b)(18) is installed, as documented in Table I.

☐ Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for helipad

Plan sheet showing roof designed for vehicular traffic, parking or helipad

☐ Exception to Solar Ready Area: Roof too small

The project is a new construction and has a total roof area = 533 square feet

☐ Exception to Solar Ready Area: Number of Building Stories

The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories

FOOTNOTE: Buildings with roof area <=533 ft² would have a required solar zone < 80 ft² and are therefore exempt per 110.10(b)(18).

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 4 of 7

Interconnection Pathways

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(b)(18).

N/A

FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)(18). Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:05:08

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08/12/1999
REVISED FOR
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-PV

Report Page: 1

Date Prepared: 2023-02-17 11:05:07 05:00

Project Address: 2023-02-17 11:05:07 05:00

Page 2 of 5

Compliance with Solar Thermal Water Heating Requirements in 140.10/170.2(g)(3) (Multifamily and hotel/ motel occupancies only)

01

☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)(3)(C) and Reference Residential Appendix RAA, as documented in Table H.

Compliance meets Exception 2 to solar ready requirements in 110.10(b)(18).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table G, for guidance or see the applicable Table referenced below.

Allocated Solar Zone

01

02

03

04

05

06

07

08

Required Minimum Area (ft²)

Designated Area (ft²)

OR

Required Minimum Power Rating (Watts)

Designated Power Rating (Watts)

OR

Required Minimum Solar Savings Fraction

Designated Solar Savings Fraction

OR

JAS Compliant Thermostat Specified?

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(b)(18).

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90125-0223-0003

Report Generated: 2023-02-17 15:05:11

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 2 of 7

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/170.2(g) and h)

01

☐ Provided PV system and battery storage sized per 140.10/170.2 (g and h)

The project has included an installed PV system and battery storage system per requirements in 140.10/170.2(g) and h) as documented in Table J.

☐ Exception to PV and Battery: Not enough Solar Access Roof Area

The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.

☒ Exception to PV and Battery: Required PV < 4kW

The required PV system size is less than 4 kW dc as documented in Table J.

☐ Exception to PV and Battery: No contiguous Solar Access Roof Area

The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.

☐ Exception to PV and Battery: Can't meet snow load

The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.

☐ Exception to PV and Battery: Multi-tenant without VNM or Community Solar

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.

☐ The prescriptive PV/Battery requirement has been traded off using the performance approach as documented on the PPR Certificate of Compliance form.

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 4 of 7

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)(3)(C) (Multifamily and hotel/ motel occupancies only)

01

☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)(3)(C) and Reference Residential Appendix RAA, as documented in Table H.

Compliance meets Exception 2 to solar ready requirements in 110.10(b)(18).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table G, for guidance or see the applicable Table referenced below.

Allocated Solar Zone

01

02

03

04

05

06

07

08

Required Minimum Area (ft²)

Designated Area (ft²)

OR

Required Minimum Power Rating (Watts)

Designated Power Rating (Watts)

OR

Required Minimum Solar Savings Fraction

Designated Solar Savings Fraction

OR

JAS Compliant Thermostat Specified?

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(b)(18).

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 6 of 7

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/170.2(g) and h). Unless the project meets one of the listed exceptions, or trades off PV in an energy model using performance path, 140.10/170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01

02

03

04

05

06

07

08

Occupancy

Conditioned Floor Area (ft²)

Area of New Roof/ Access* (ft²)

Roof Area < 70% Solar Access* (ft²)

Plan sheet or Document showing Solar Access Calculations

Occupied Roof Area* (ft²)

Solar Access Roof Area (SARA) (ft²)

Min Size of PV System Required (kWdc)

School or Classroom

960

1,140

0

Roof plans A-3.x

0

1,140

1.56

Total Min Size PV System Required for all Spaces (kWdc):

0

Total Size PV System in Design (kWdc):

0

FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2, Section 1511.2.

*Solar access must be determined using CEC approved solar access calculation tools found at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tool>.

*As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRCC-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-PV

Report Page: 1

Date Prepared: 2023-02-17 11:05:07 05:00

Project Address: 2023-02-17 11:05:07 05:00

Page 3 of 5

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

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Date Prepared: 2023-02-17 11:05:04 05:00

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Page 3 of 7

F. ALLOCATED SOLAR ZONE

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G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

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H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

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Project Address: 2023-02-17 11:05:04 05:00

Page 4 of 7

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table G, for guidance or see the applicable Table referenced below.

Allocated Solar Zone

01

02

03

04

05

06

07

08

Required Minimum Area (ft²)

Designated Area (ft²)

OR

Required Minimum Power Rating (Watts)

Designated Power Rating (Watts)

OR

Required Minimum Solar Savings Fraction

Designated Solar Savings Fraction

OR

JAS Compliant Thermostat Specified?

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(b)(18).

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

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Project Address: 2023-02-17 11:05:04 05:00

Page 7 of 7

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the best of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy ratings and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available to the building permit issuer for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation that is submitted to the building permit at occupancy.

Responsible Designer Name: John Steinhilber

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Page 4 of 5

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/170.2(g) and h). Unless the project meets one of the listed exceptions, or trades off PV in an energy model using performance path, 140.10/170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01

02

03

04

05

06

07

08

Occupancy

Conditioned Floor Area (ft²)

Area of New Roof/ Access* (ft²)

Roof Area < 70% Solar Access* (ft²)

Plan sheet or Document showing Solar Access Calculations

Occupied Roof Area* (ft²)

Solar Access Roof Area (SARA) (ft²)

Min Size of PV System Required (kWdc)

School or Classroom

4,800

5,700

0

Sheet A-6.7

5,700

11.81

Total Min Size PV System Required for all Spaces (kWdc):

11.81

Total Size PV System in Design (kWdc):

11.81

FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2, Section 1511.2.

*Solar access must be determined using CEC approved solar access calculation tools found at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tool>.

*As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRCC-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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CERTIFICATE OF COMPLIANCE

NRCC-SAB-8

Project Name: 40- PC-Solar Ready

Report Page: 1

Date Prepared: 2023-02-17 11:05:04 05:00

Project Address: 2023-02-17 11:05:04 05:00

Page 4 of 7

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)(18). New construction consider the total roof area. Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

Required Minimum Solar Zone

01

02

03

04

05

06

07

08

Minimum Solar Zone Area Calculation Method

Total New or Added Roof Area (ft²)

Total New or Added Roof Area Covered with Skylights (ft²)

Minimum Solar Zone Based on Total Area (ft²)

Method/ Tools Used to Determine Annual Solar Access for Potential Zones

Potential Solar Zone Areas: Roof areas with >= 70% Solar Access

Low-Sloped Area (< 2.12 pitch) Oriented 90° - 300° (ft²)

Step-Sloped Area (> 2.12 pitch) Oriented 90° - 300° (ft²)

Total Potential Solar Zone Area (ft²)

Minimum Solar Zone Based on Potential Zones (ft²)

Required Minimum Solar Zone Area (ft²)

Total New or Added Roof Area

1140

0

171

171

Designated Solar Zone Subareas

09

10

11

12

13

14

15

16

17

18

19

Subarea Name or Tag

Building Plan Reference

Roof or Overhang Slope (Low Reference <= 2.12 pitch) (Slope > 2.12 pitch)

Is Step-Sloped Roof or Overhang between 90 and 300 degrees?

Subarea Complies with Title 24, Part 1

Solar Zone Subarea Free of Obstructions per §110.10(b)(3) A

Subarea Is Required Distance from Potential Obstructions per §110.10(b)(3) B

Is the Smallest Dimension 5 feet or greater?

Min. Area Required per Subarea (ft²)

Designated Area (ft²)

Subarea Completed?

Solar Zone

Roof plans sheets A-3.x

Low slope

Yes

Yes

Yes

Yes

80

172

COMPLIES

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F. ALLOCATED SOLAR ZONE

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Required Minimum Solar Zone

01

02

03

04

05

06

07

08

Minimum Solar Zone Area Calculation Method

Total New or Added Roof Area (ft²)

Total New or Added Roof Area Covered with Skylights (ft²)

Minimum Solar Zone Based on Total Area (ft²)

Method/ Tools Used to Determine Annual Solar Access for Potential Zones

Potential Solar Zone Areas: Roof areas with >= 70% Solar Access

Low-Sloped Area (< 2.12 pitch) Oriented 90° - 300° (ft²)

Step-Sloped Area (> 2.12 pitch) Oriented 90° - 300° (ft²)

Total Potential Solar Zone Area (ft²)

Minimum Solar Zone Based on Potential Zones (ft²)

Required Minimum Solar Zone Area (ft²)

Total New or Added Roof Area

1140

0

171

171

Designated Solar Zone Subareas

09

10

11

12

13

14

15

16

17

18

19

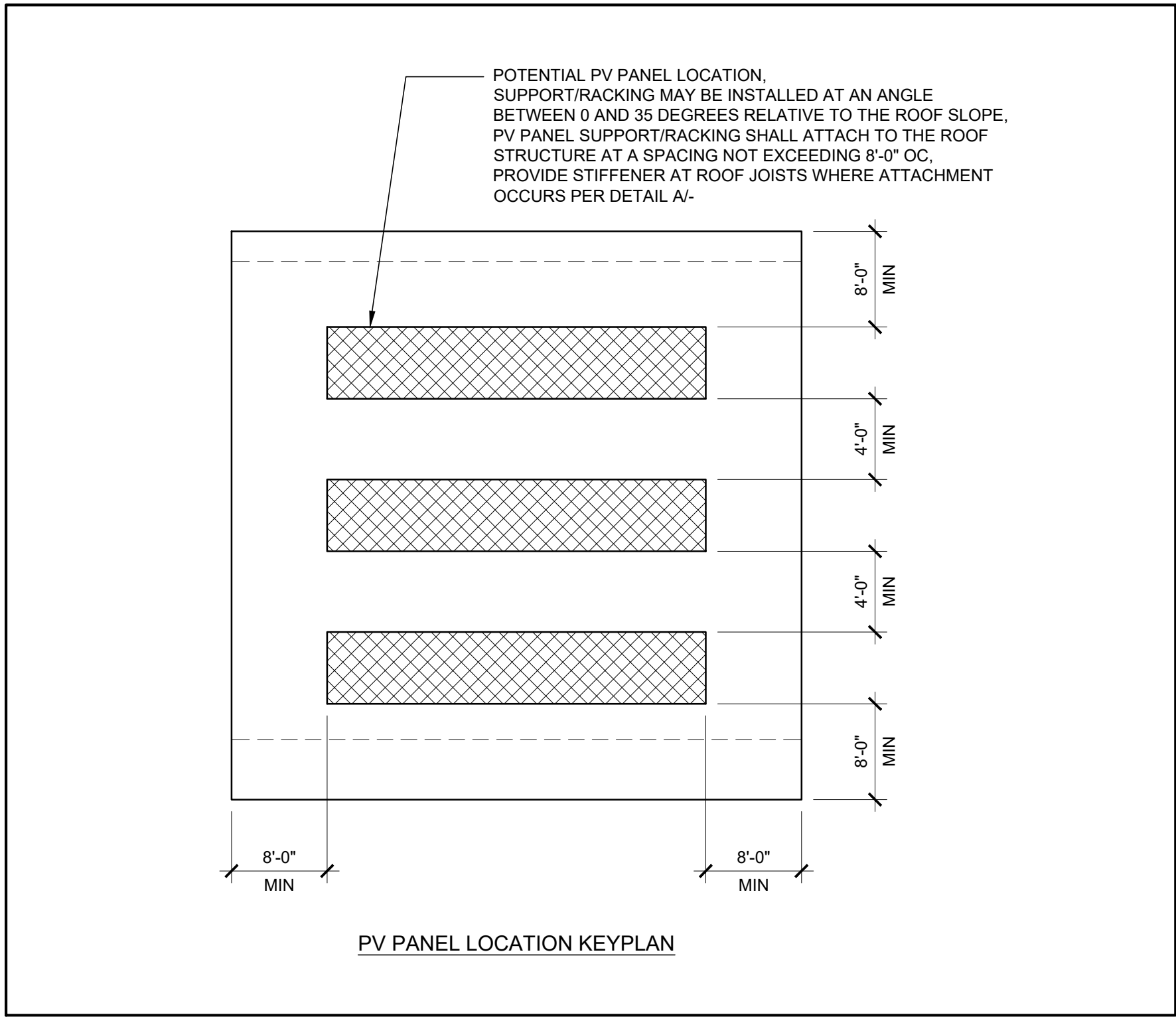
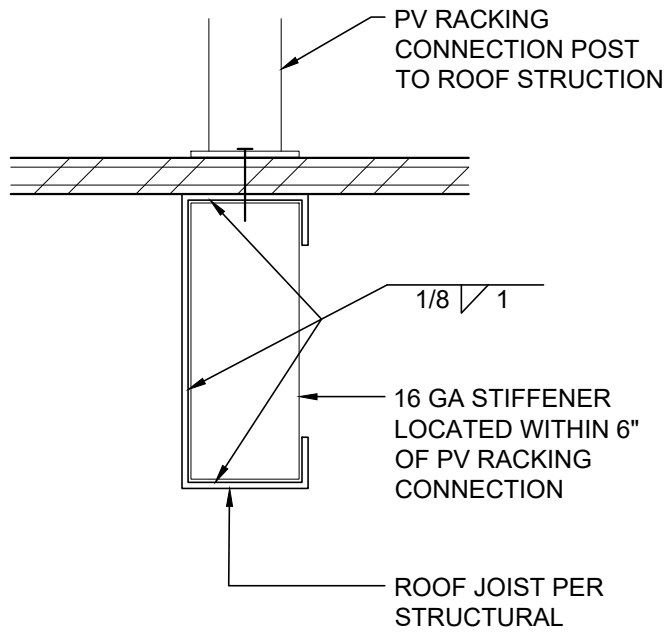
Subarea Name or Tag

Building Plan Reference

Roof or Overhang Slope (Low Reference <= 2.

NOTE:
THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE MASS OF A PV SYSTEM (TOTAL ALLOWANCE IS EQUAL TO 0.6 POUNDS X THE TOTAL ROOF AREA) TO BE DESIGNED AND INSTALLED UNDER THE PROJECT SPECIFIC APPLICATION.

THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO ACCOMMODATE THE POTENTIAL UPLIFT ON THE ROOF FRAMING MEMBERS WHEN THE PV SYSTEM IS INSTALLED PER THE EDGE CLEARANCE AND SPACING AS INDICATED BELOW.



STIFFENER AT PV RACKING CONNECTION

SCALE : 3" = 1'-0"

A

REQUIRED PV SYSTEM SIZE (kW)

CLIMATE ZONE	BUILDING SIZE								
	24'x40'	36'x40'	48'x40'	60'x40'	72'x40'	84'x40'	96'x40'	108'x40'	120'x40'
	APPROXIMATE CONDITIONED FLOOR AREA								
	960	1440	1920	2400	2880	3360	3840	4320	4800
1	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
2	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
3	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
4	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
5	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
6	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
7	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
8	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
9	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
10	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
11	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
12	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
13	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
14	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
15	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8
16	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
ALL ZONES	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8

THE PRESCRIPTIVE MINIMUM REQUIRED PV SYSTEM SIZE IS INDICATED IN THE CHART ABOVE. THE ACTUAL PV SYSTEM SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE. ALL PV SYSTEM COMPONENT, CONNECTIONS AND DETAILING SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE.

WHERE THE PROJECT SPECIFIC DRAWING PACKAGE INDICATES THAT THE BUILDING IS BEING APPROVED FOR A SPECIFIC CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED FOR THAT CLIMATE ZONE IN THE CHART ABOVE. WHERE THE BUILDING IS INTENDED TO BE ELIGIBLE FOR RELOCATION TO ANY CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED IN THE "ALL ZONES" ROW.

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(a).
- ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1-A.
- PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
- ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c).
- ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(c).

SPACE CONDITIONING EQUIPMENT MANDATORY MEASURES:

- ALL SPACE CONDITIONING EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.
- MECHANICAL VENTILATION SHALL BE PROVIDED PER SECTION 120.1.
- ALL SPACE CONDITIONING CONTROLS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.2.
- ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.4.

BUILDING ENVELOPE MANDATORY MEASURES:

- ALL FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.6.
- ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER SECTION 110.7.
- ALL INSULATION, ROOFING PRODUCTS AND RADIANT BARRIERS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.8.
- THE WEIGHTED AVERAGE U-FACTOR OF THE ROOF ASSEMBLY SHALL NOT EXCEED 0.075 PER SECTION 120.7(a).
- THE WEIGHTED AVERAGE U-FACTOR OF THE EXTERIOR WALL ASSEMBLY SHALL NOT EXCEED 0.110 PER SECTION 120.7(b).
- THE WEIGHTED AVERAGE U-FACTOR OF THE FLOOR ASSEMBLY SHALL NOT EXCEED 0.071 PER SECTION 120.7(c).

SOLAR READY AND ELECTRICAL DISTRIBUTION MANDATORY MEASURES:

- A SOLAR ZONE SHALL BE PROVIDED ON THE ROOF OF THE BUILDING PER SECTION 110.10(b).
- A PATHWAY ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER SECTION 130.5(a).
- SEPARATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 80 KVA OR LESS PER SECTION 130.5(b).
- THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance)

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

THIS LIST OF REQUIRED ACCEPTANCE TESTS FOR THE PROJECT IS FOUND IN THE LAST PAGES OF THE ENERGY COMPLIANCE REPORTS (T24) UNDER DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.

PV SYSTEM SIZING AND INSTALLATION REQUIREMENTS

3

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

1

CONSTRUCTION WASTE MANAGEMENT PLAN

- DEFINITIONS
 - CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
 - RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
 - CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
- PERFORMANCE REQUIREMENTS
 - GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
 - C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES
- QUALITY ASSURANCE
 - PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
 - REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
 - REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED AS WASTE.
 - REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
 - REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.
 - WASTE MANAGEMENT PLAN
 - IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
 - RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
 - TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
 - PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
 - PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
 - REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY.
 - CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY.
 - PROCESSING AND REUSING MATERIALS ON-SITE
 - WASTE MANAGEMENT REPORT
 - WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
 - A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
 - TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
 - DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
 - RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
 - SALVAGED MATERIALS: DOCUMENTATION, TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
 - CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
 - USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
 - TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
 - CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.
 - A MINIMUM OF 65% (BY WEIGHT) OF THE NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.
 - CONSTRUCTION WASTE MATERIALS SHALL BE COLLECTED IN CO-MINGLED CONTAINERS EXCEPT STEEL AND WOOD SHALL BE COLLECTED SEPARATELY.
 - CONSTRUCTION WASTE SHALL BE HAULED, SEPARATED, AND MEASURED BY CR-R (OR AN EQUAL WASTE MANAGEMENT COMPANY). A REPORT SHALL BE PROVIDED INDICATING THE DIVERSION RATE (BY VOLUME).
 - REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
 - REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
 - TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
 - BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

- CONSTRUCTION PHASE:
 - FILTERS
 - ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
 - ALL FILTERS SHALL HAVE A MERV RATING OF 13 OR GREATER (2" THICK).
 - A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
 - PROTECTION OF MATERIALS
 - ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
 - ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
 - ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
 - PROTECTION OF INTERIOR ENVIRONMENT
 - WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
 - WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
 - ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
 - ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
 - DUCT SYSTEM CONSTRUCTION
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
 - ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
 - ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
 - ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
 - MATERIALS INSTALLATION
 - NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
 - NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED.
 - ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
 - WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 13 (2" THICK). THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
 - MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
 - MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCs OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.
 - CARPETED SURFACES SHALL BE VACUUMED PER THE CRJGREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES, BASE COVE ADHESIVES, CERAMIC TILE ADHESIVES, DRYWALL AND PANEL ADHESIVES, AEROSOL ADHESIVES, ADHESIVE PRIMERS, ACOUSTICAL SEALANTS, FIRE STOP SEALANTS, HVAC DUCT SEALANTS, SEALANT PRIMERS, AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 83120-83120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS). THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM THESE PRODUCTS.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCs OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM. CARPET SHALL BE LISTED IN THE CPHS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A/- FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.

ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

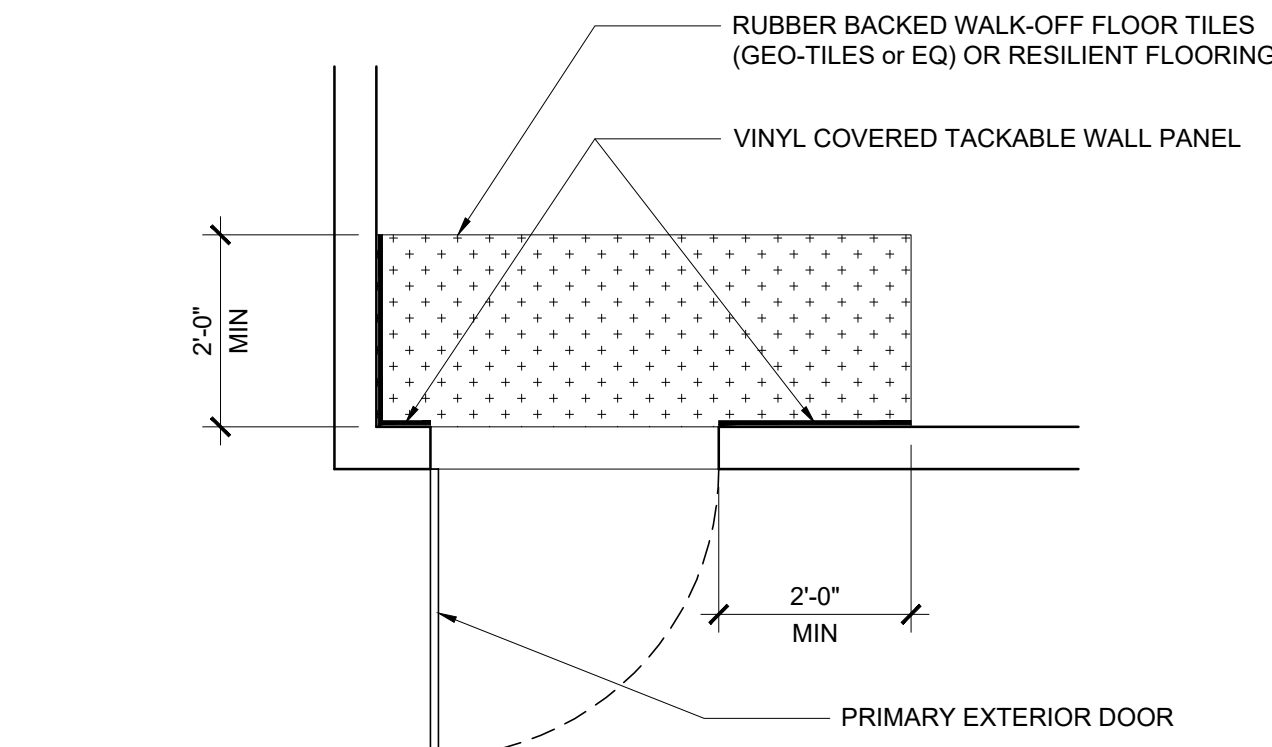
ACOUSTICAL CONTROL

INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. ONE OF THE FOLLOWING ASSEMBLY SHALL BE USED:

- ☐ 2x4 (MIN) STUDS @ 24" O.C. WITH 1 LAYER OF 1/2" GYP BD. EA. SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. GYP BD SHALL BE FASTENED TO THE STUDS W/ 1-1/4" TYPE W SCREWS AT 12" OC. JOINTS SHALL BE STAGGERED (DESIGN #NGC 2012065)(STC-42)
- ☐ 2x4 (MIN) STUDS @ 16" O.C. WITH 2 LAYER OF 5/8" TYPE "X" GYP BD. EA SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. BASE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS W/1-7/8" BD COATED NAILS AT 8" OC. FACE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS W/2-3/8" BD COATED NAILS AT 8" OC. VERTICAL JOINTS SHALL OCCUR OVER A STUD. STAGGER JOINTS EACH LAYER AND EACH SIDE. (DESIGN #NGC 2364) (STC-41)

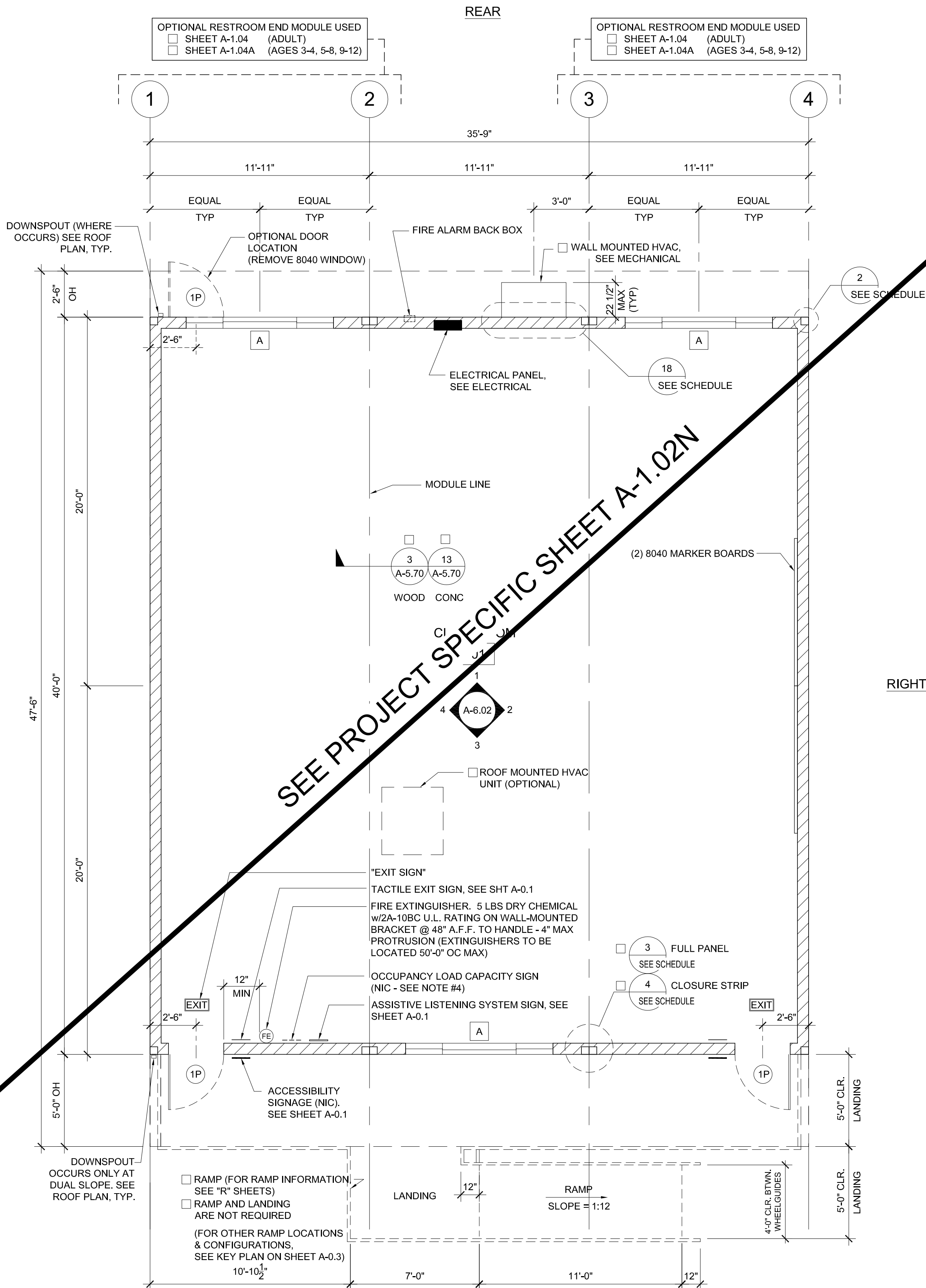
WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES WHICH ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR OTC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

WHEN THE PC BUILDING IS PLACED ADJACENT TO ANOTHER BUILDING, A SEPARATION (AIR GAP) OF NOT LESS THAN 6" SHALL BE PROVIDED.



PRIMARY EXTERIOR WALL FINISH DIAGRAM

A



NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)
(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, REQUIRED PV SYSTEM CAPACITY (kW), WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_S
- VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
- LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
- POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
- IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS
- FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS, PER IR 16-1.13 (2.1)
- ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION
- INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL
- FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
- INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. SEE SHEET A-0.7 FOR WALL ASSEMBLY
- TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)
- DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANG

DETAIL SCHEDULE

FINISH:	SHEET #:
☐ SIDING OVER WOOD STUDS	A-5.50
☒ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

	NOMINAL 4" WALL STUD	☐
	NOMINAL 6" WALL STUD	☒
	NOMINAL 8" WALL STUD	☐

- WINDOW PER SCHEDULE SHEET A-0.2
- DOOR PER SCHEDULE SHEET A-0.2

NOTES:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (OR NOMINAL STEEL STUD) (MIN). EXCEPTION: AT UNCONDITIONED RESTROOM MODULES.
2x4 (OR 4" NOMINAL STEEL STUD) WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH AT UNCONDITIONED RESTROOM MODULES WITH WALLS OVER 9'-0" IN HEIGHT.
THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES, OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

SYMBOLS LEGEND

	60" CIRCLE CLEAR SPACE
	30"x48" CLEAR SPACE

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:
1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

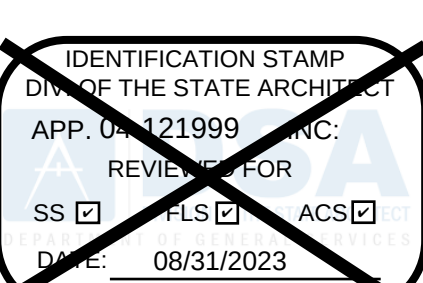
SHEET TITLE:

FLOOR PLAN
36' x 40'

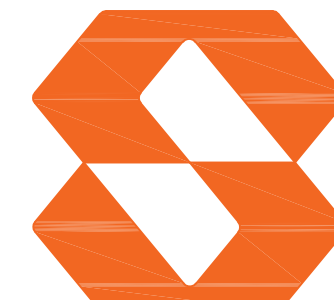
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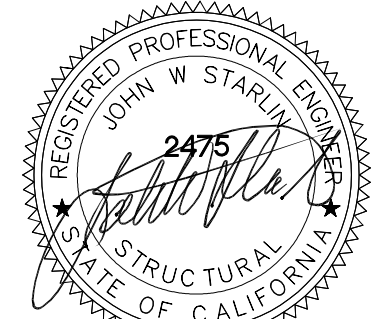


PC STATE AGENCY APPROVAL



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

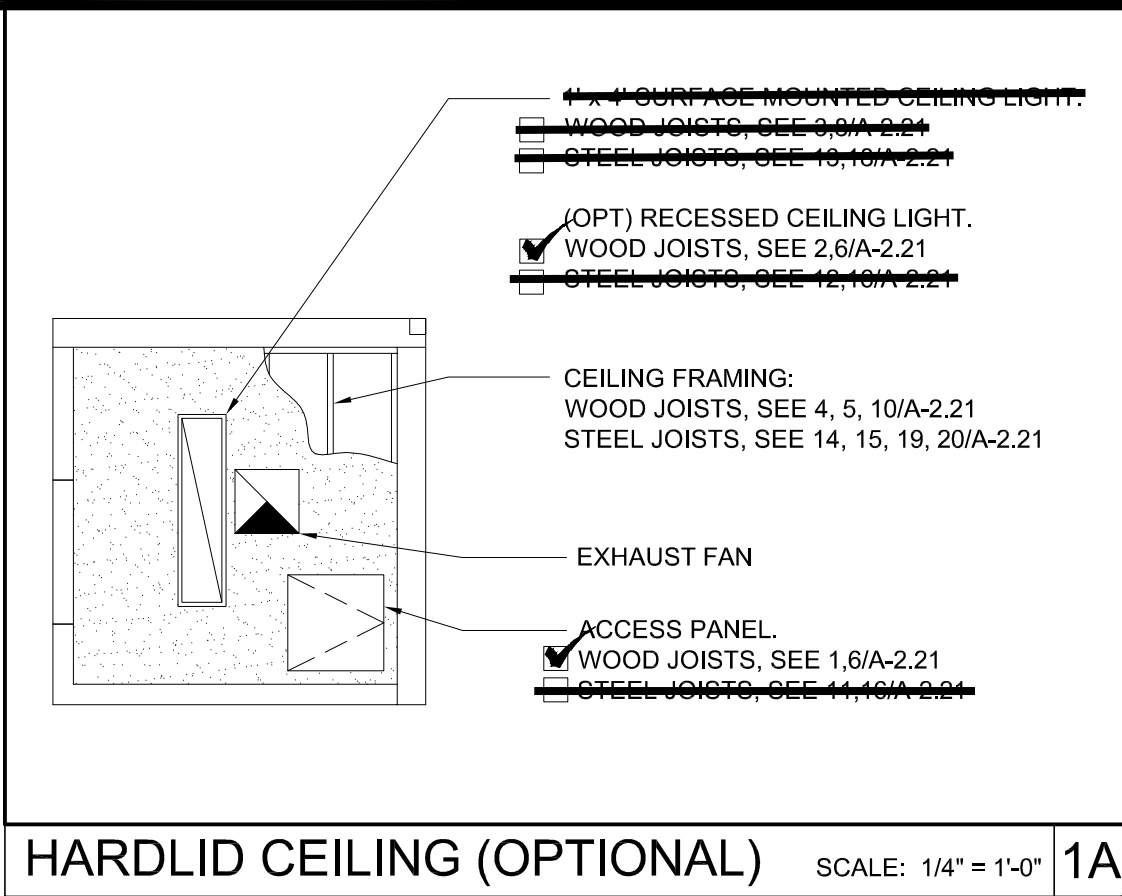
DATE: 02-27-2023

P.C. SHEET NUMBER

A-1.02

FLOOR PLAN

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

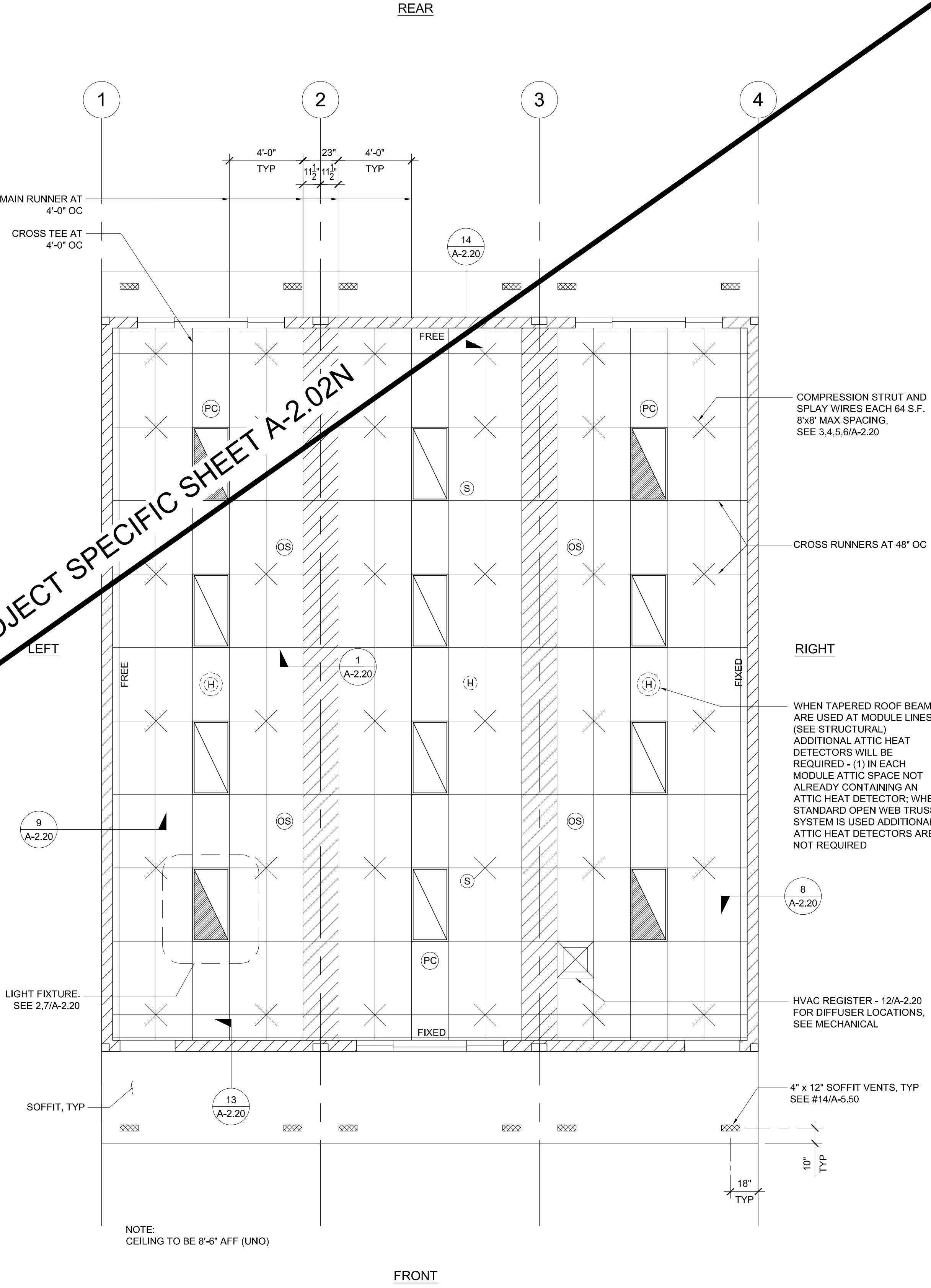


HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" 1A

LEGEND	
	T-BAR CEILING
	FIELD INSTALLED PANEL AT MODULE LINE
	2' x 4' RECESSED LIGHT FIXTURE, HATCHING DENOTES EMERGENCY LIGHT FIXTURE (SEE ELECTRICAL PLAN)
	OPTIONAL 1' x 4' RECESSED LIGHT FIXTURE
	SPLAY WIRE
	RETURN AIR REGISTER
	SUPPLY AIR REGISTER
	CEILING EXHAUST FAN
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED PHOTOCELL
	CEILING MOUNTED SMOKE DETECTOR
	ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES
SEE SHEET A-0.1

T-BAR SCHEDULE	
ARMSTRONG PART NUMBERS ICC-ES ESR-1308	
MAIN RUNNER: 7301	
4" CROSS TEE: XL7341	
2" CROSS TEE: XL7328	
STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2"	
WALL ANGLE: 7810 (OPTIONAL)	



REFLECTED CEILING PLAN

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

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

REFLECTED CEILING
PLAN
36' x 40'

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVISED FOR
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

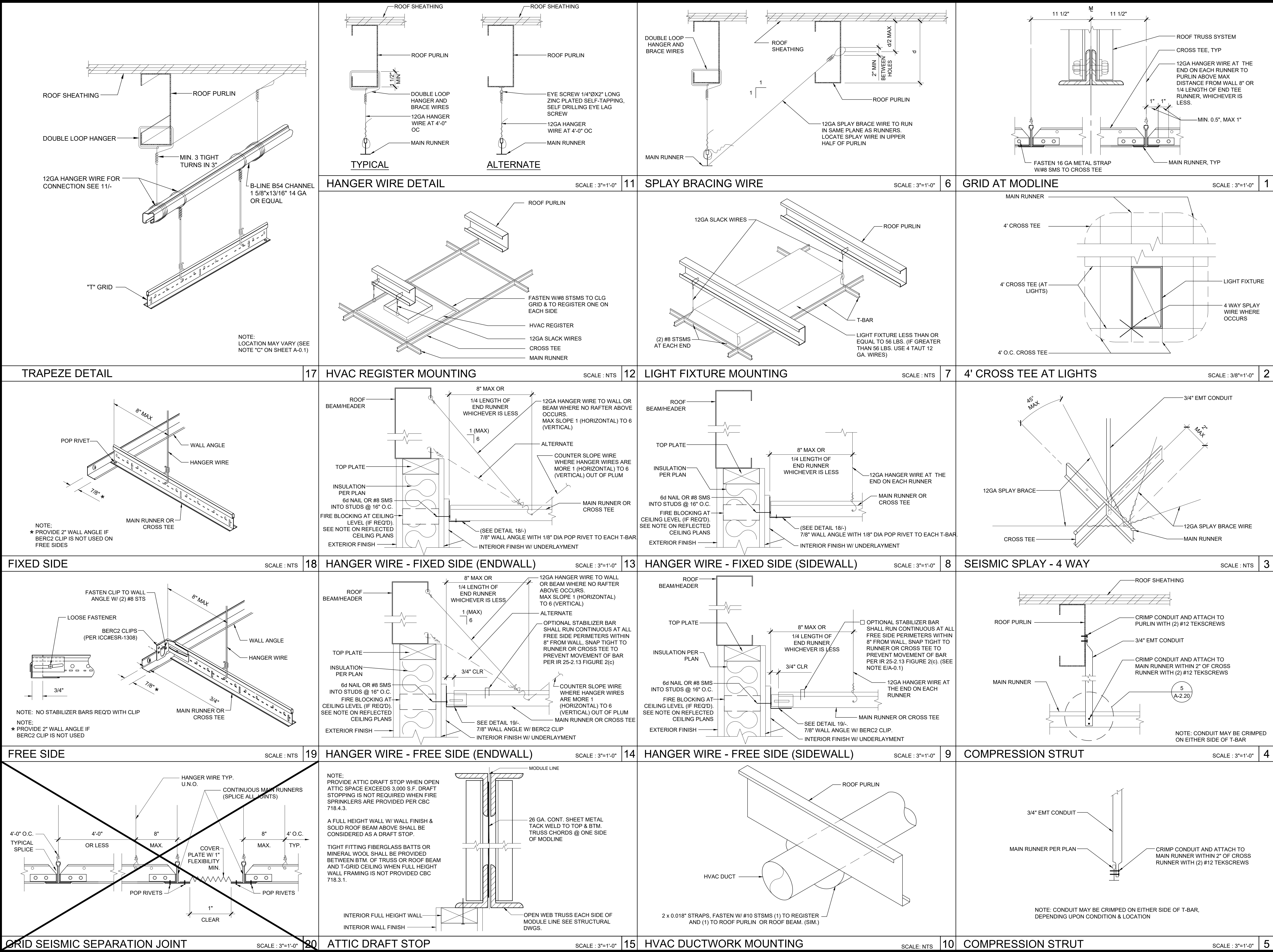
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SCALE: AS NOTED

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P.C. SHEET NUMBER

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

**CEILING DETAILS
T-GRID**

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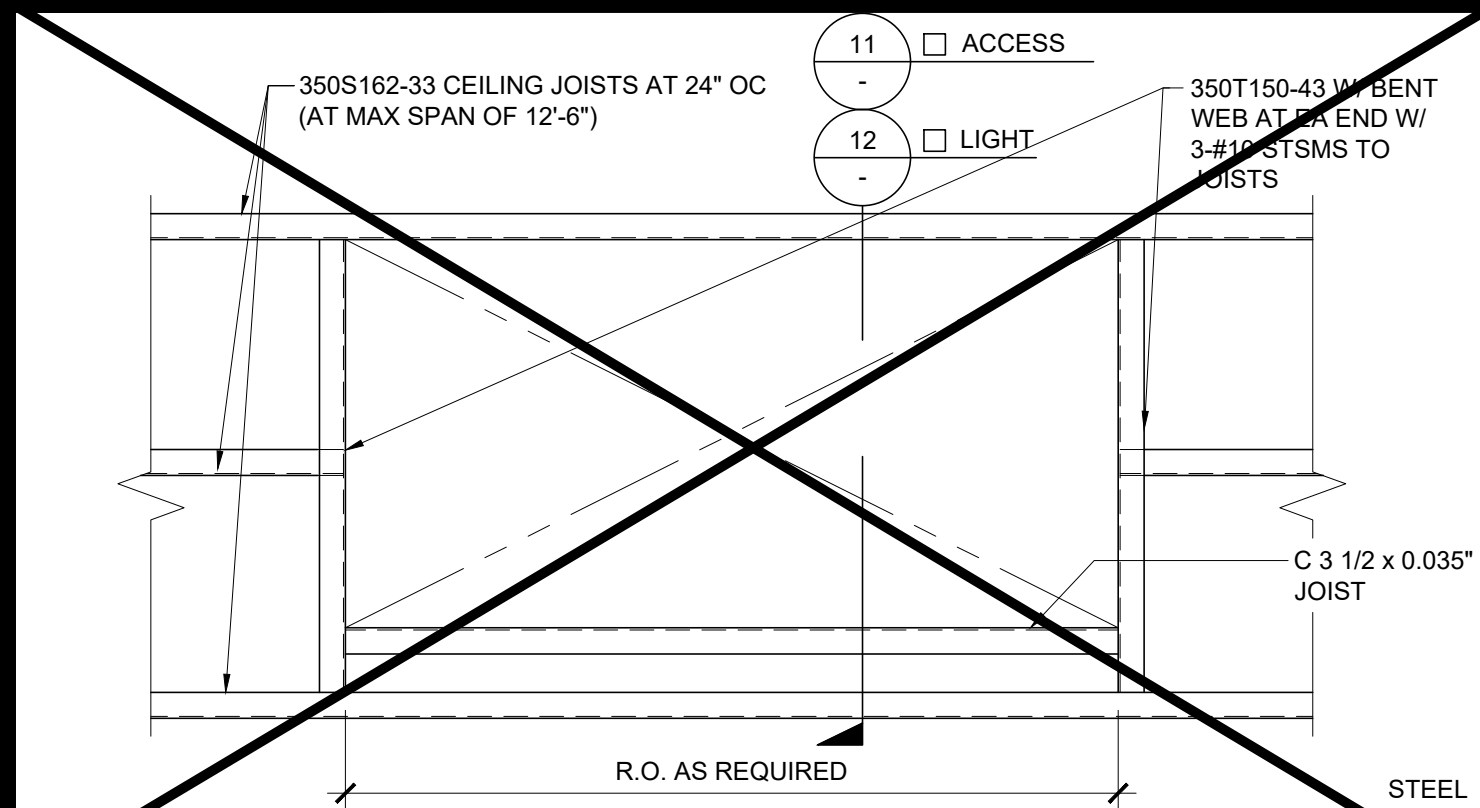
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SCALE: AS NOTED

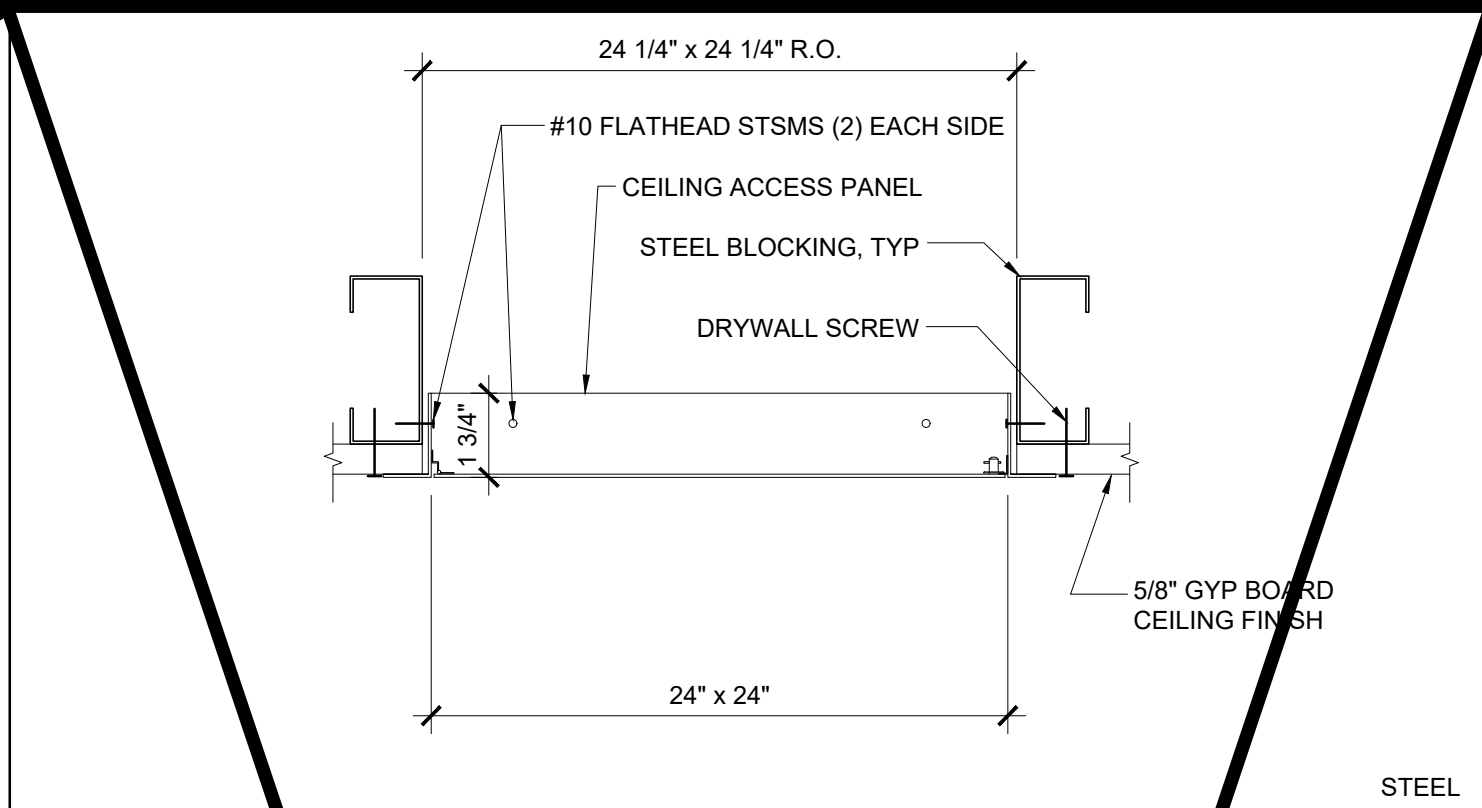
DATE: 02-27-2023

P.C. SHEET NUMBER

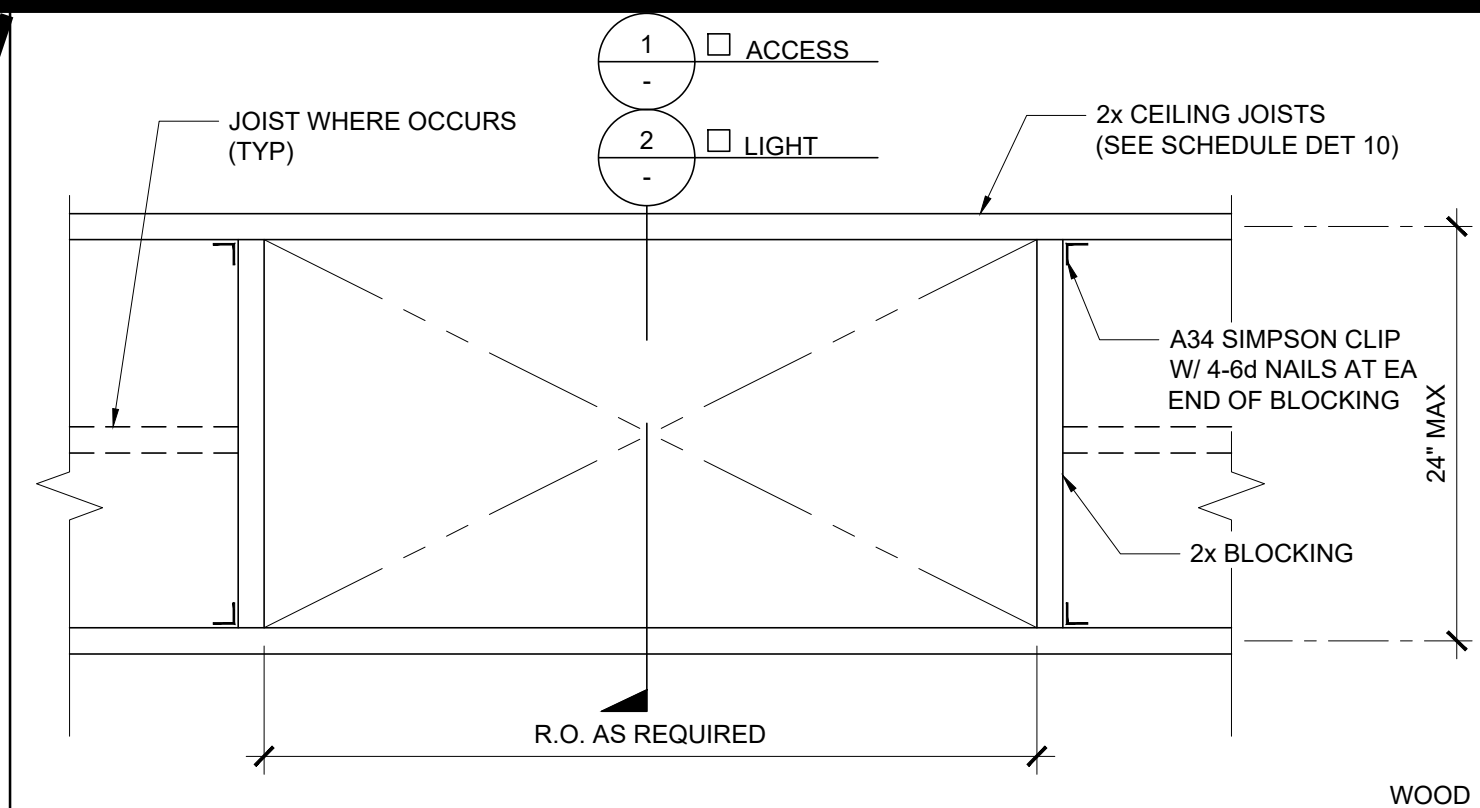
A-2.20



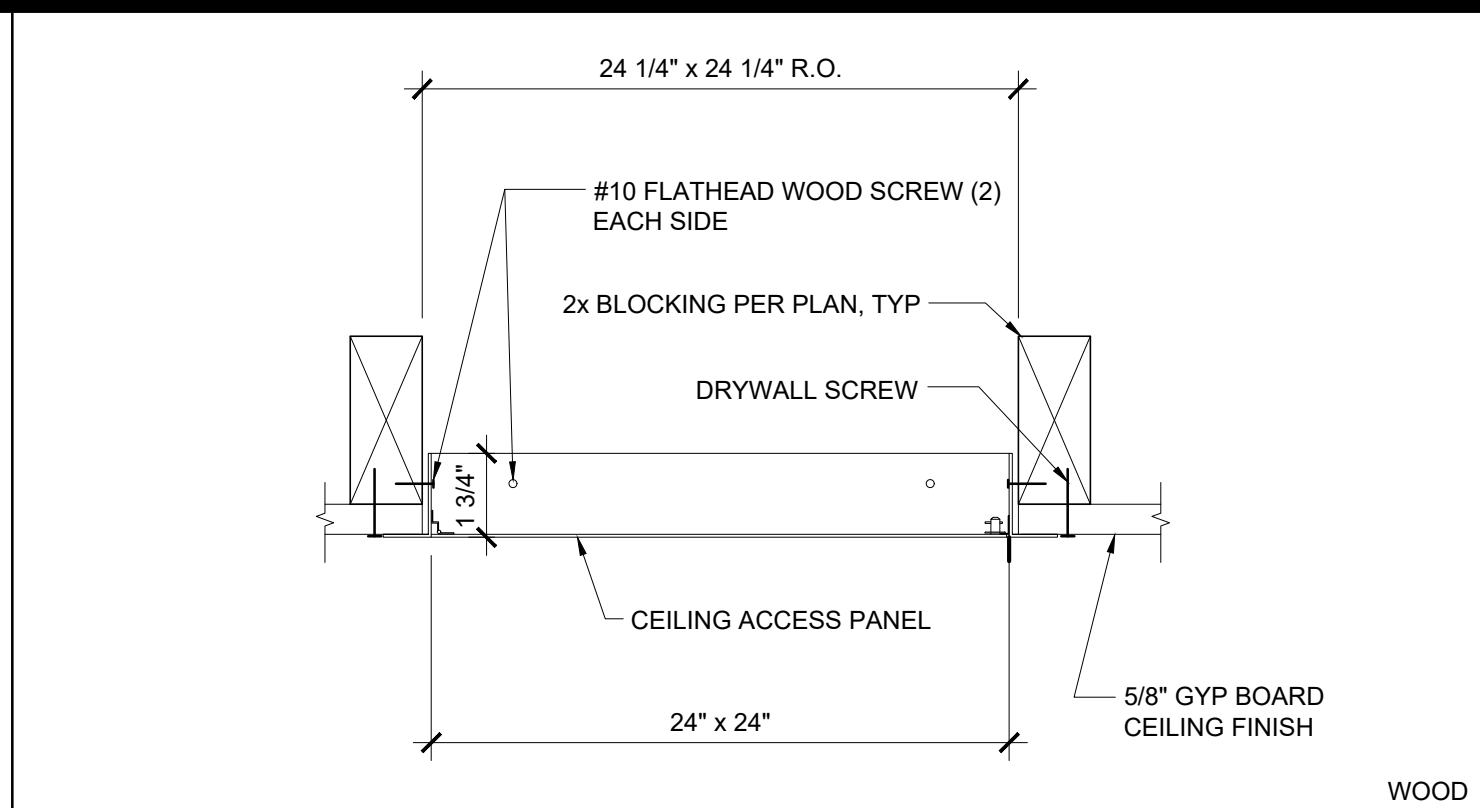
RECESS STEEL CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0" 16



CEILING ACCESS PANEL - STEEL SCALE : 3" = 1'-0" 11



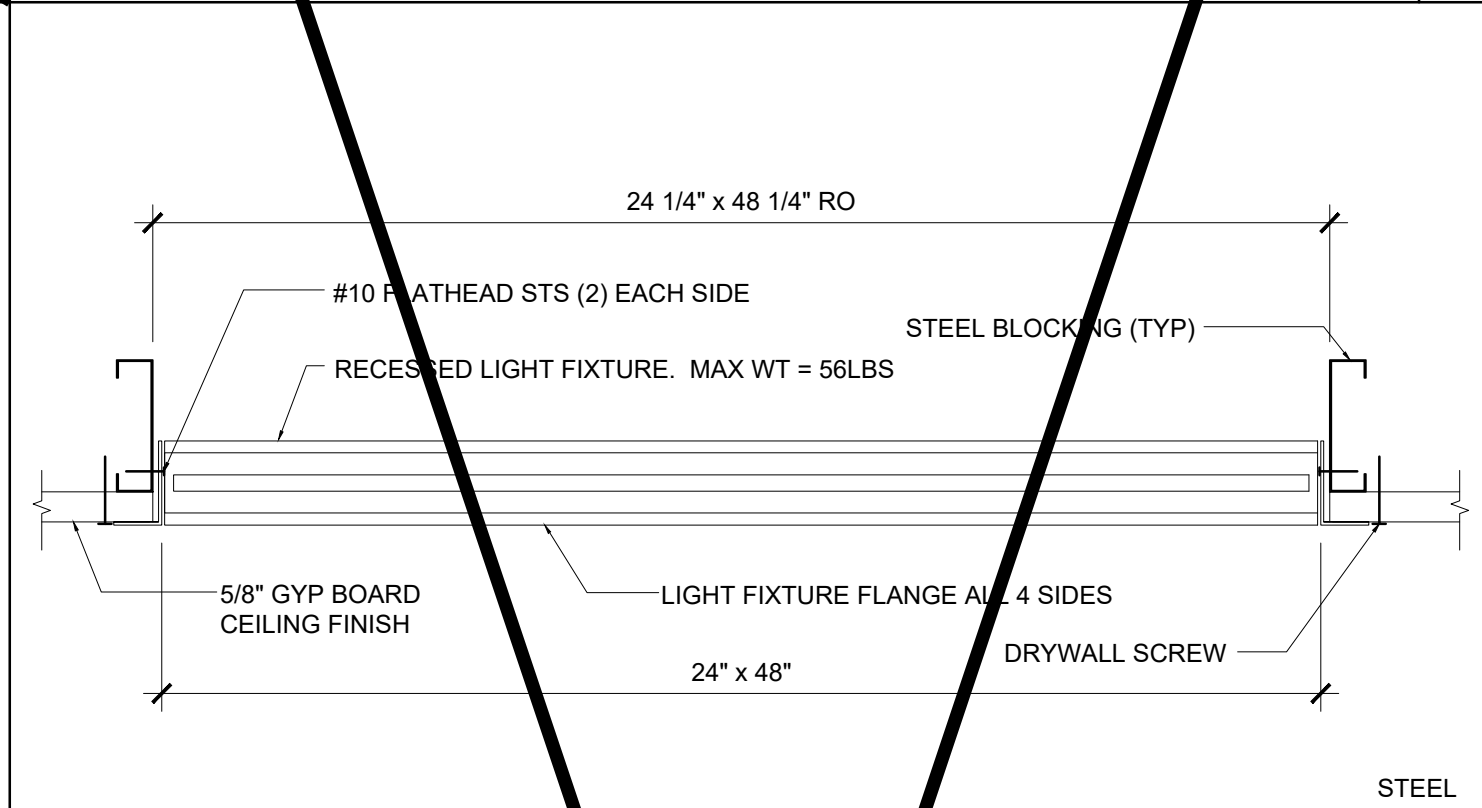
RECESS WOOD CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0" 6



CEILING ACCESS PANEL SCALE : 3" = 1'-0" 1



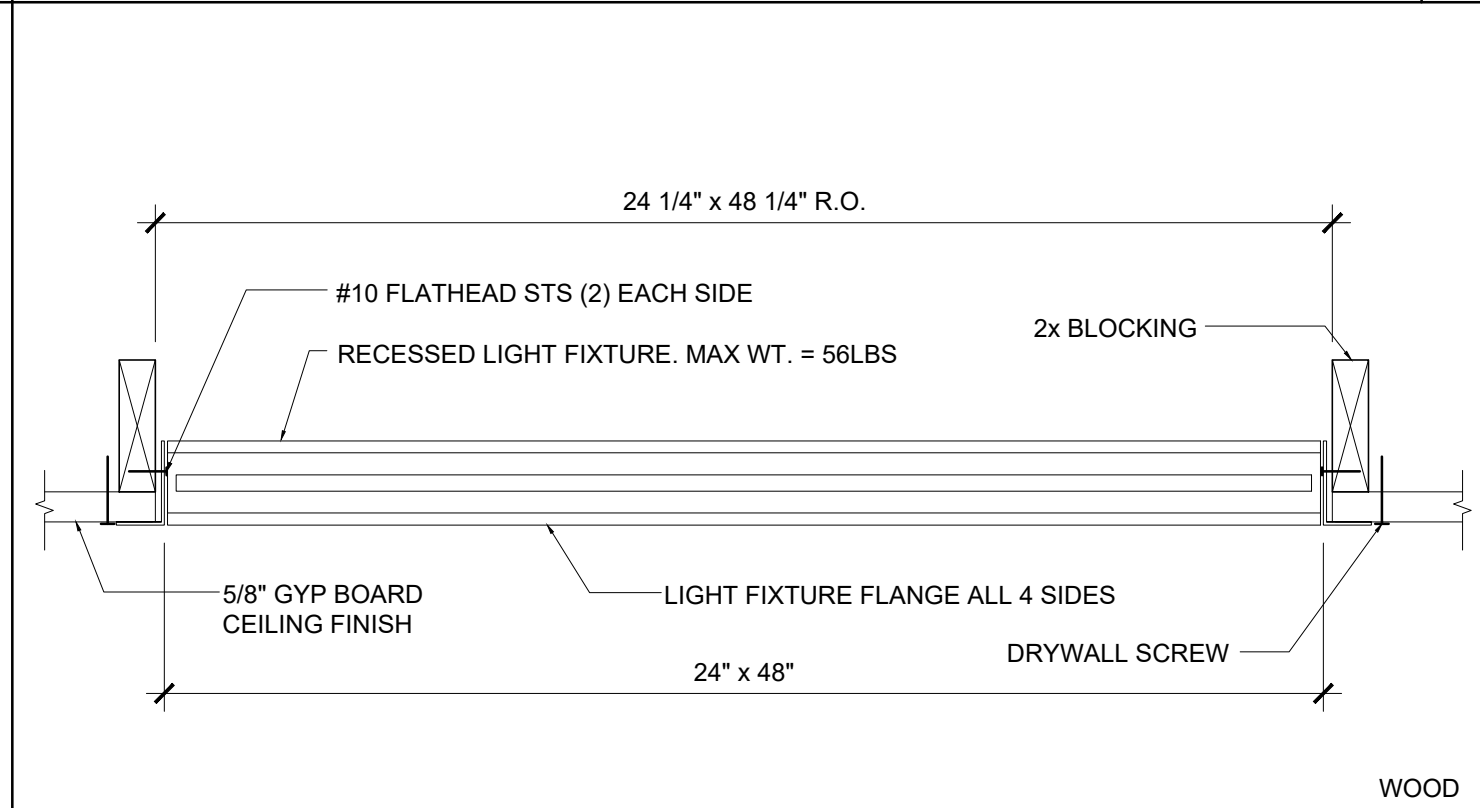
NOT USED 17



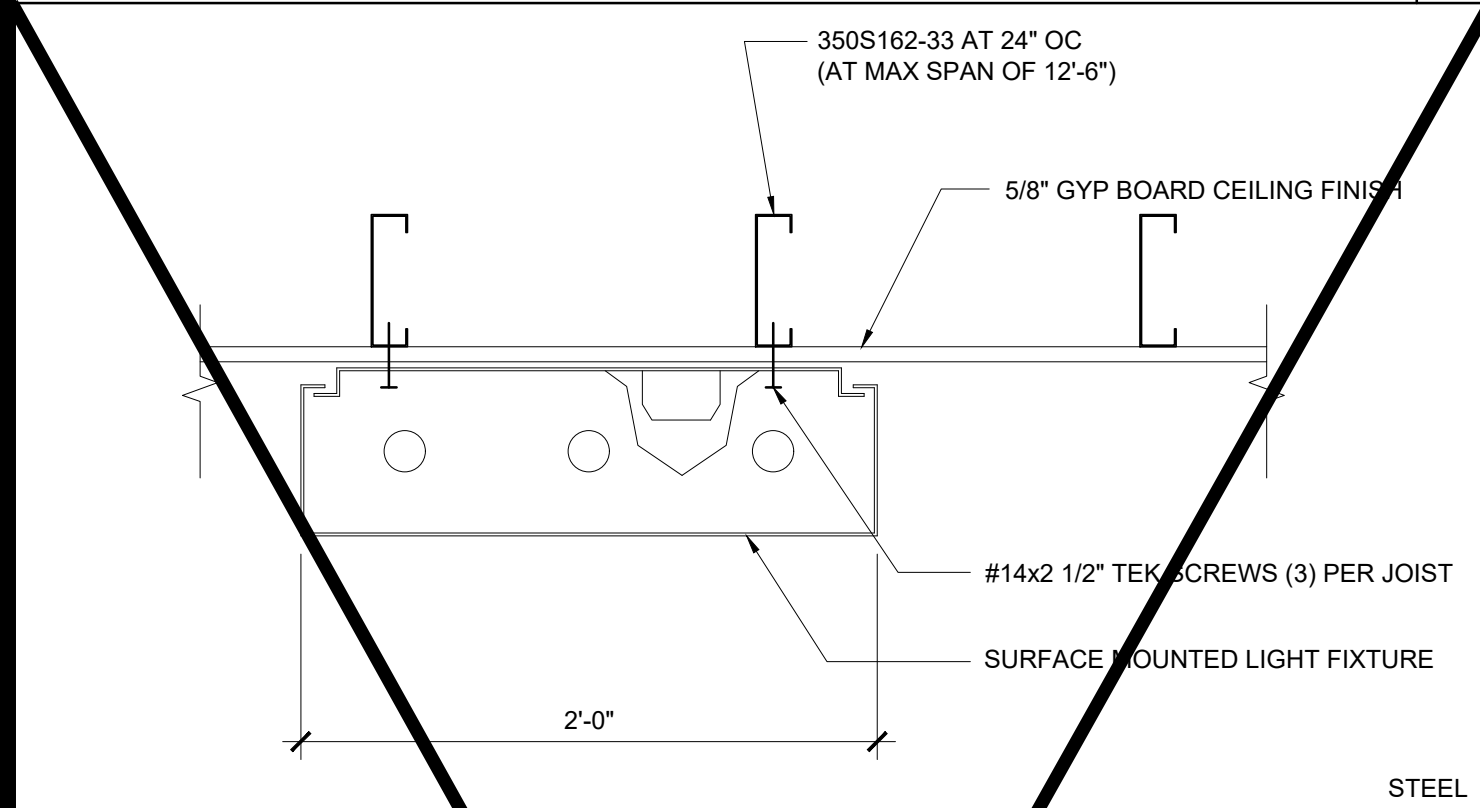
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0" 12



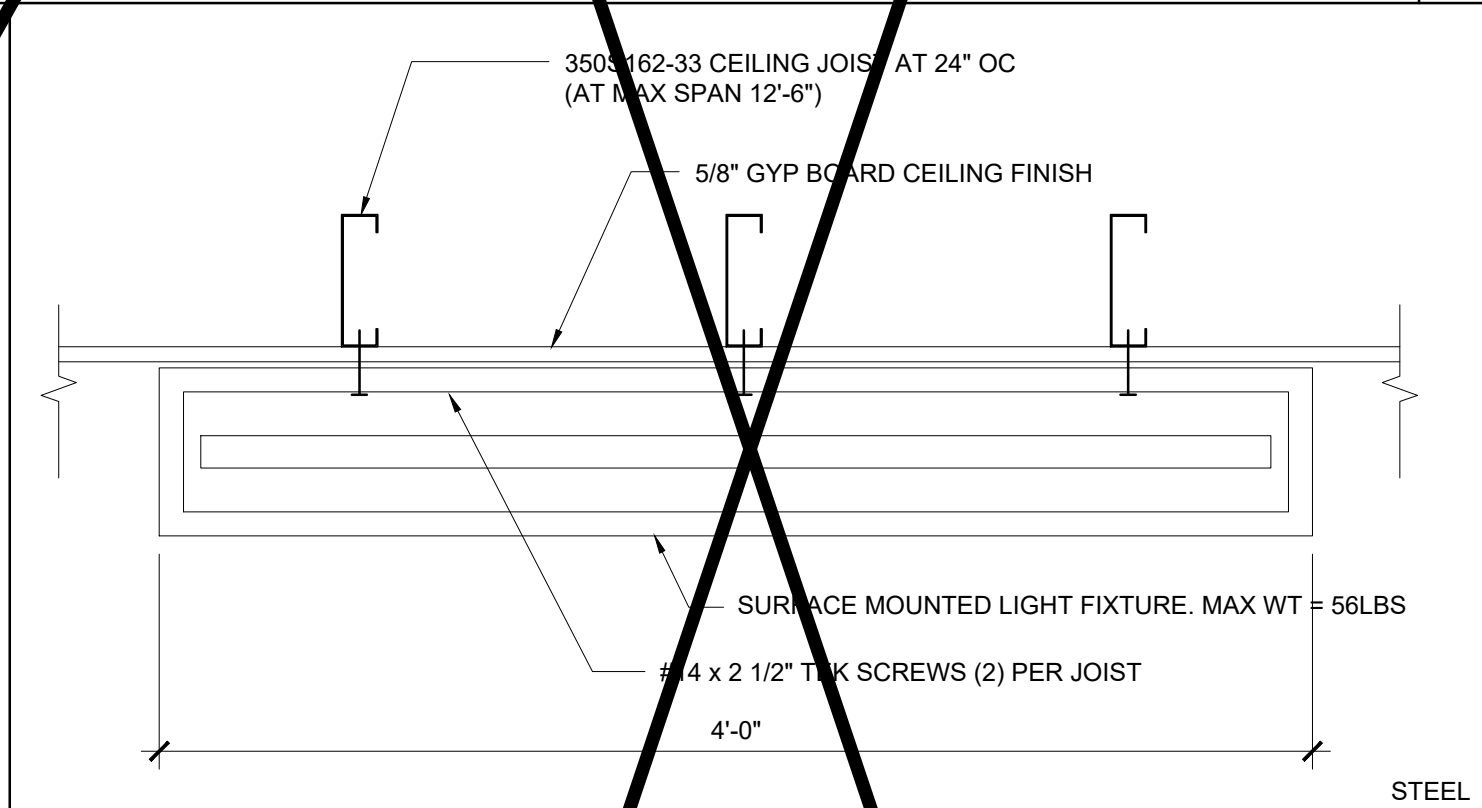
NOT USED 7



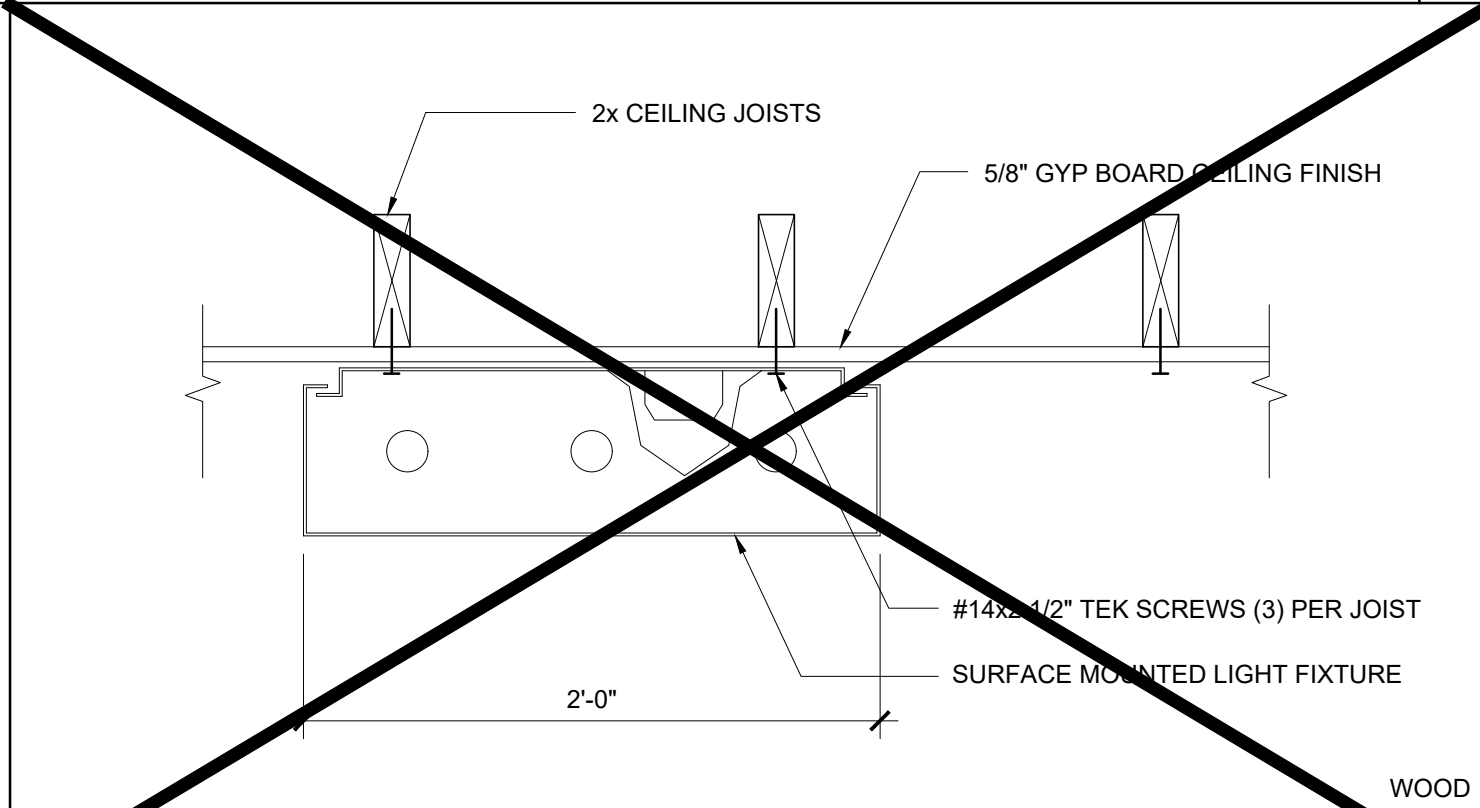
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0" 2



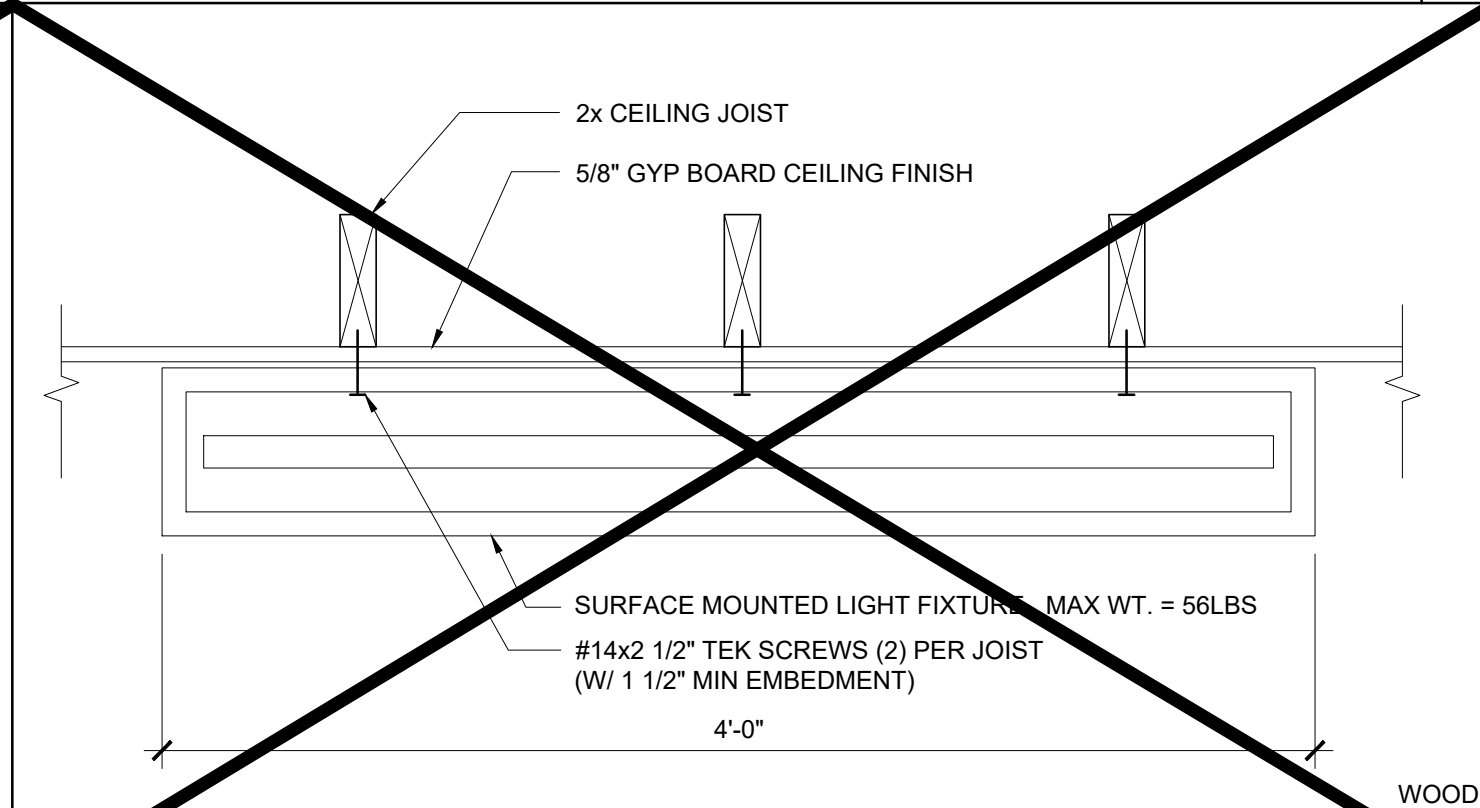
NOT USED 18



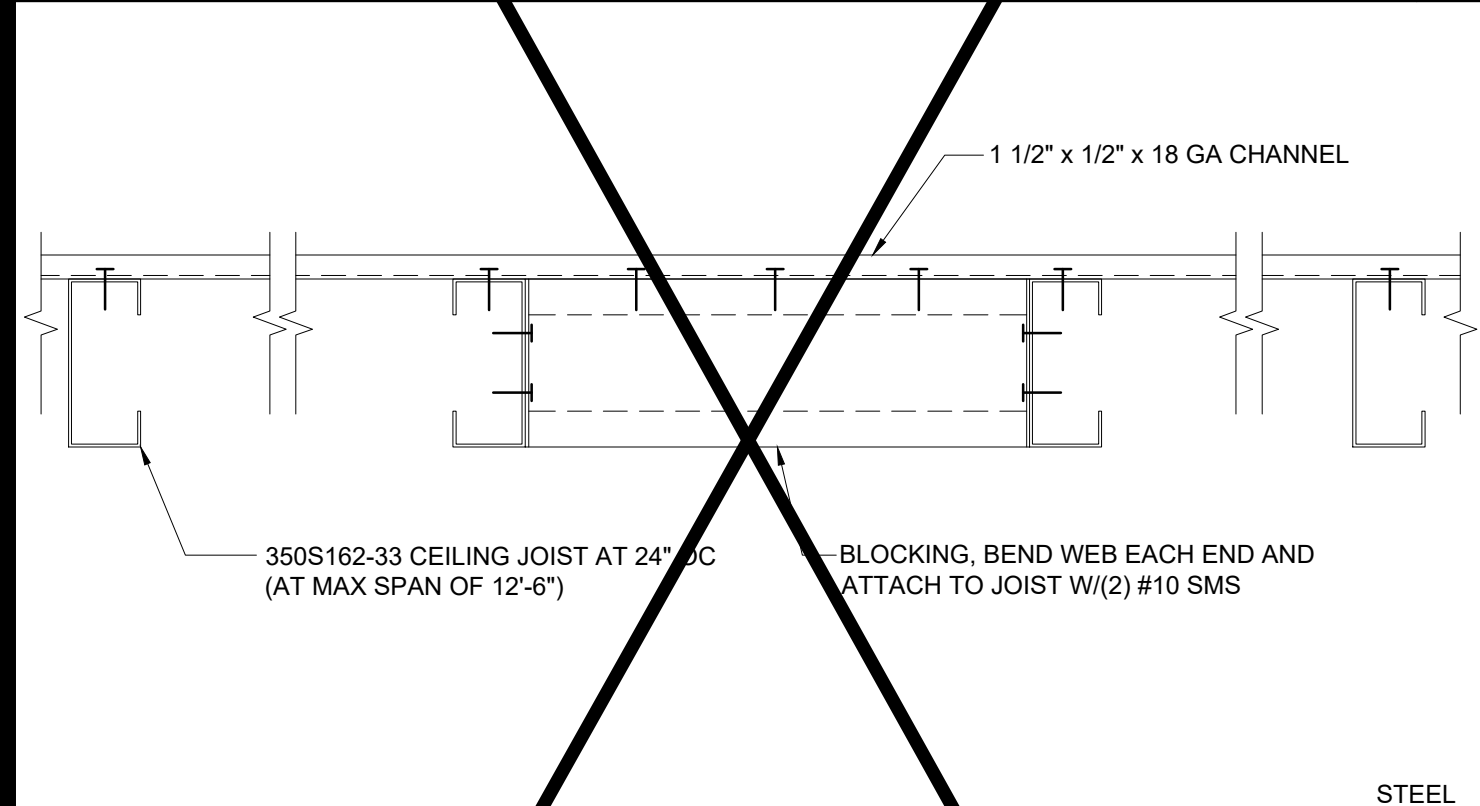
SURFACE MOUNTED LIGHT - PARALLEL JOISTS SCALE : 1 1/2" = 1'-0" 13



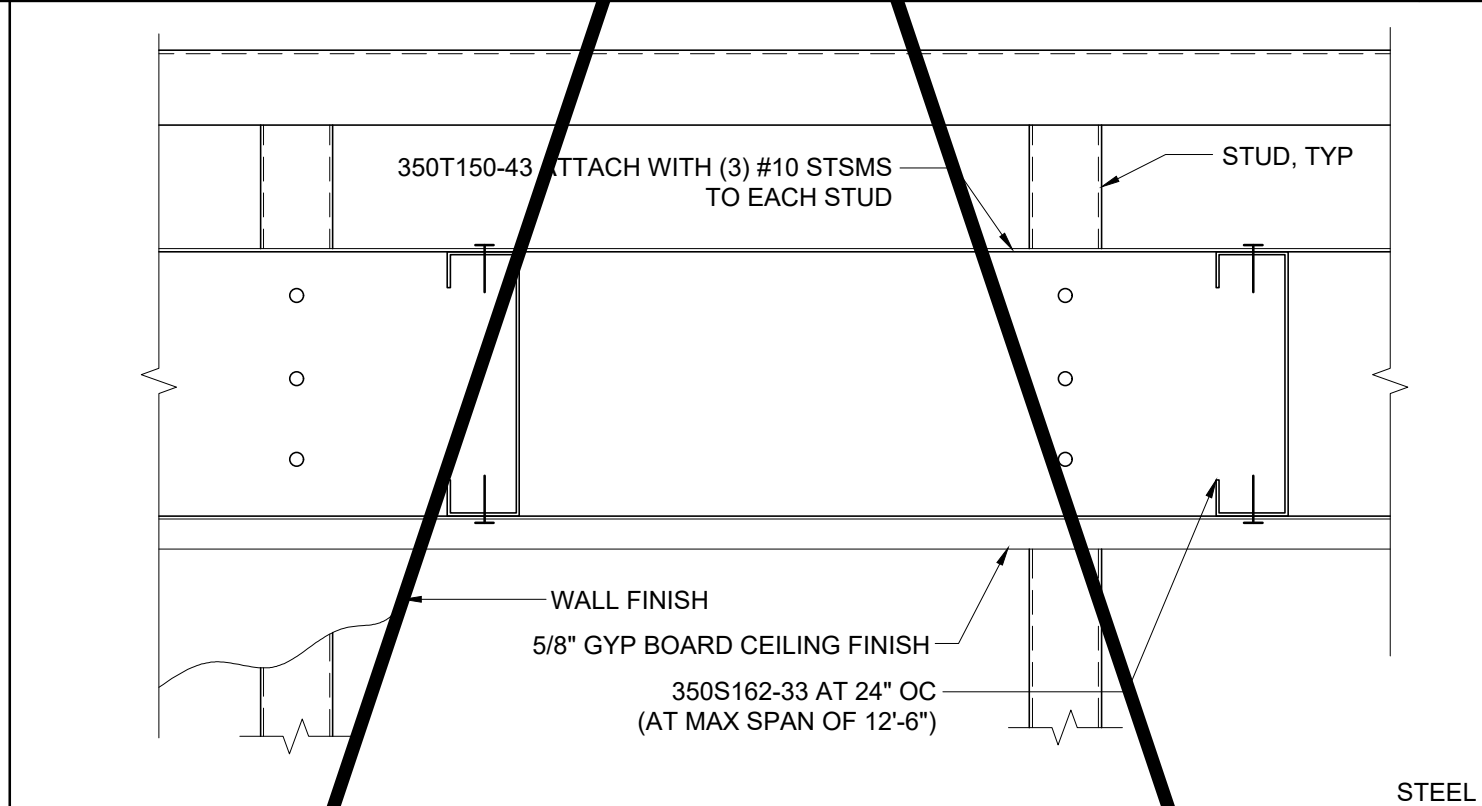
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SURFACE MOUNTED LIGHT-PERPENDICULAR JOISTS SCALE : 1 1/2" = 1'-0" 3



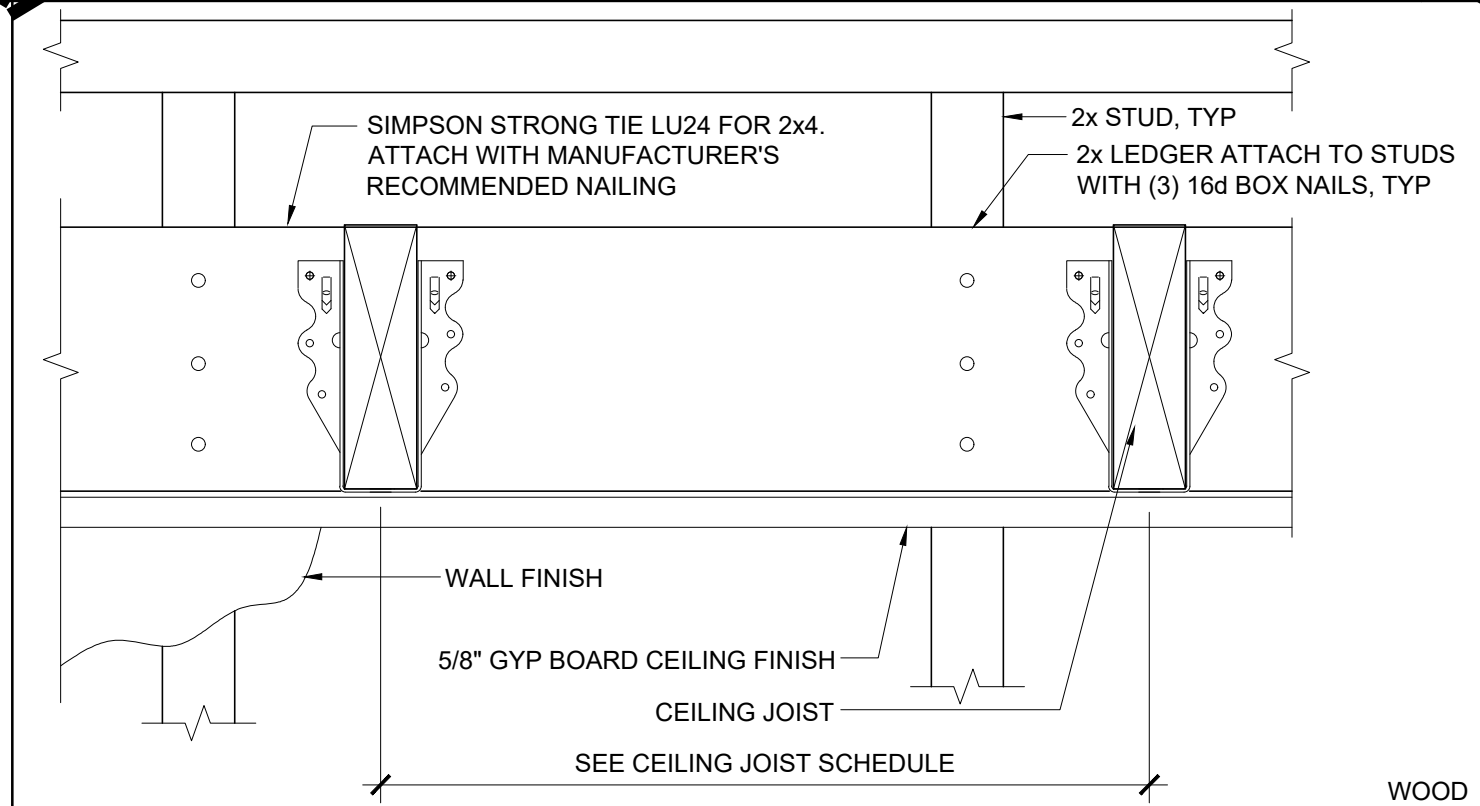
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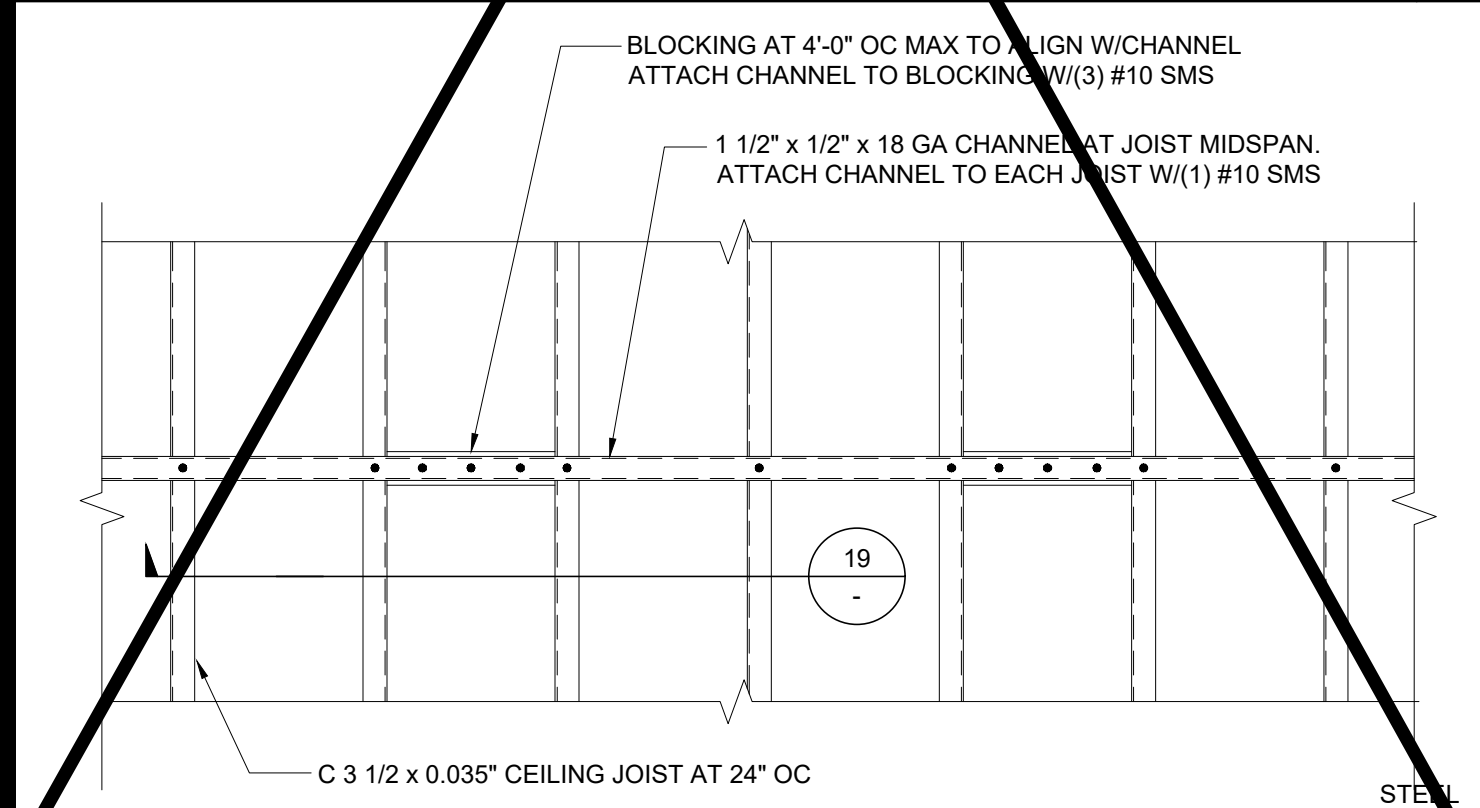
HARD LID CEILING CONNECTION - STEEL SCALE : 3" = 1'-0" 14



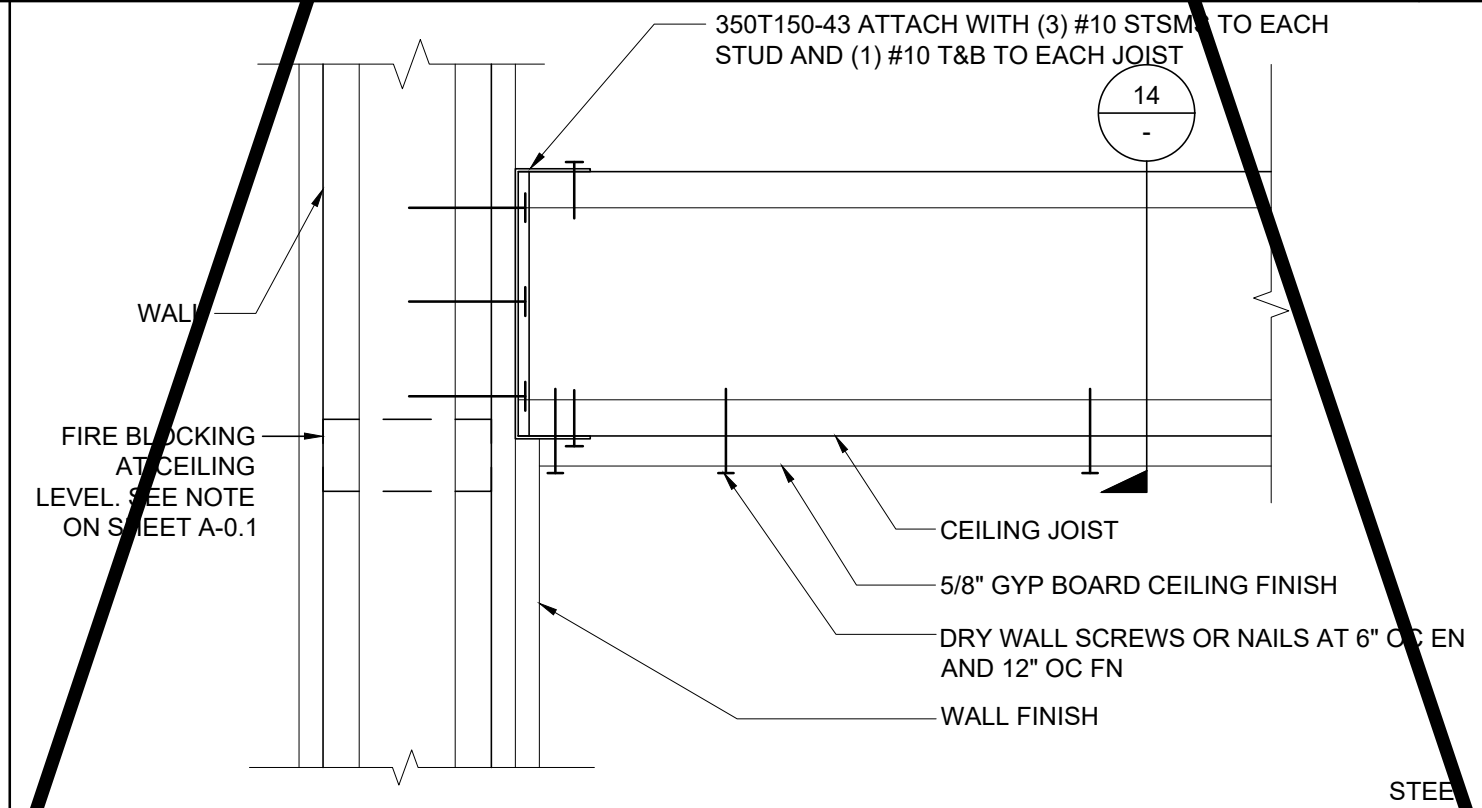
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HARD LID CEILING CONNECTION SCALE : 3" = 1'-0" 4



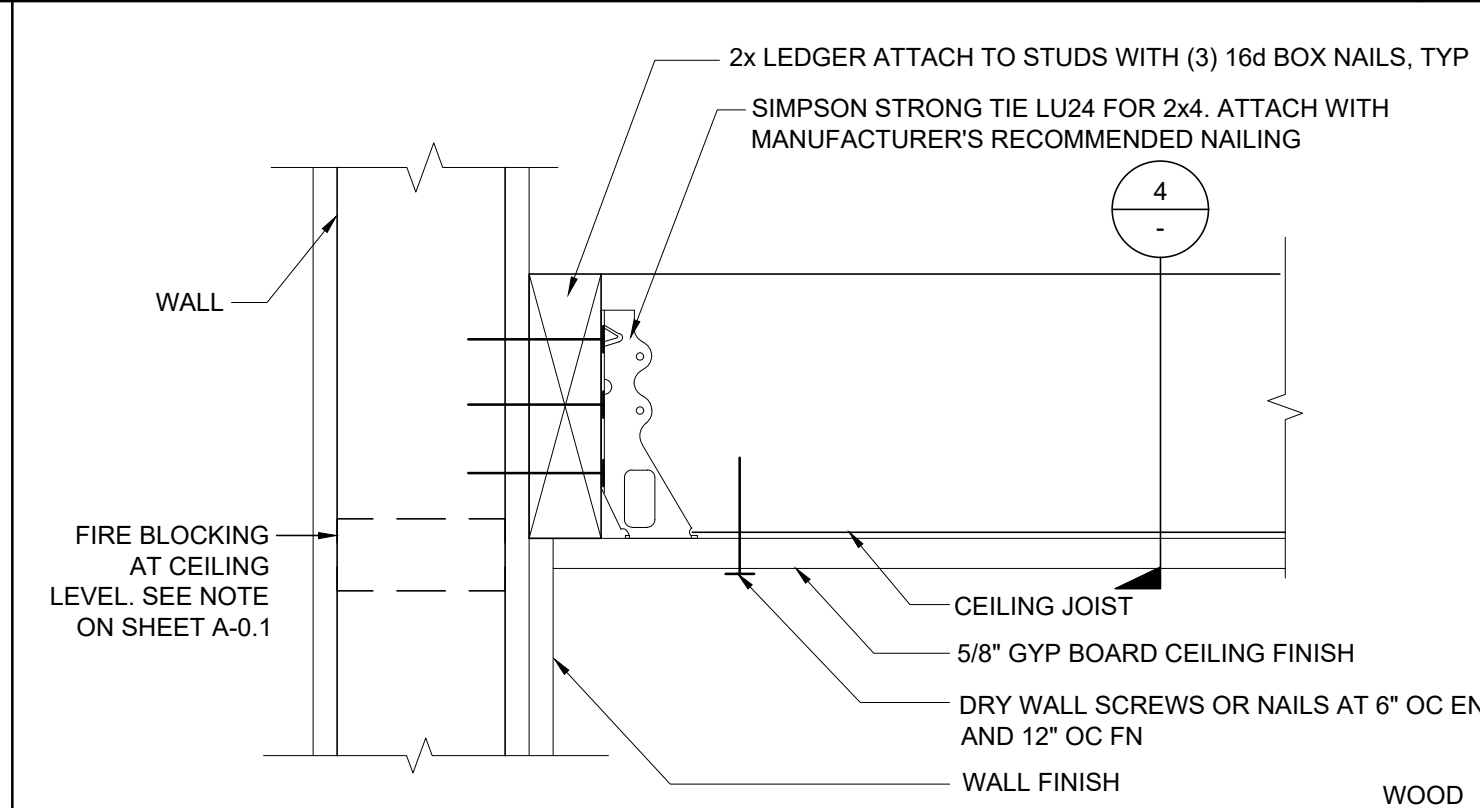
NOT USED 20



HARD LID CEILING CONNECTION STEEL SCALE : 3" = 1'-0" 15

WOOD CEILING JOIST SCHEDULE SCALE : NTS 10

2X4 JOIST TABLE - MAX SPAN					
SPACING	HEMFIR STUD	HEMFIR NO 2	HEMFIR NO 1	DFL STUD	DFL NO. 2
12" OC	11' - 3"	11' - 7"	12' - 2"	11' - 10"	12' - 5"
16" OC	10' - 3"	10' - 6"	11' - 0"	10' - 9"	11' - 3"
24" OC	8' - 11"	9' - 2"	9' - 8"	9' - 5"	9' - 10"



HARD LID CEILING CONNECTION SCALE : 3" = 1'-0" 5

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PROJECT NAME:

**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

**CEILING DETAILS
HARD LID**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVIEW FOR:
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

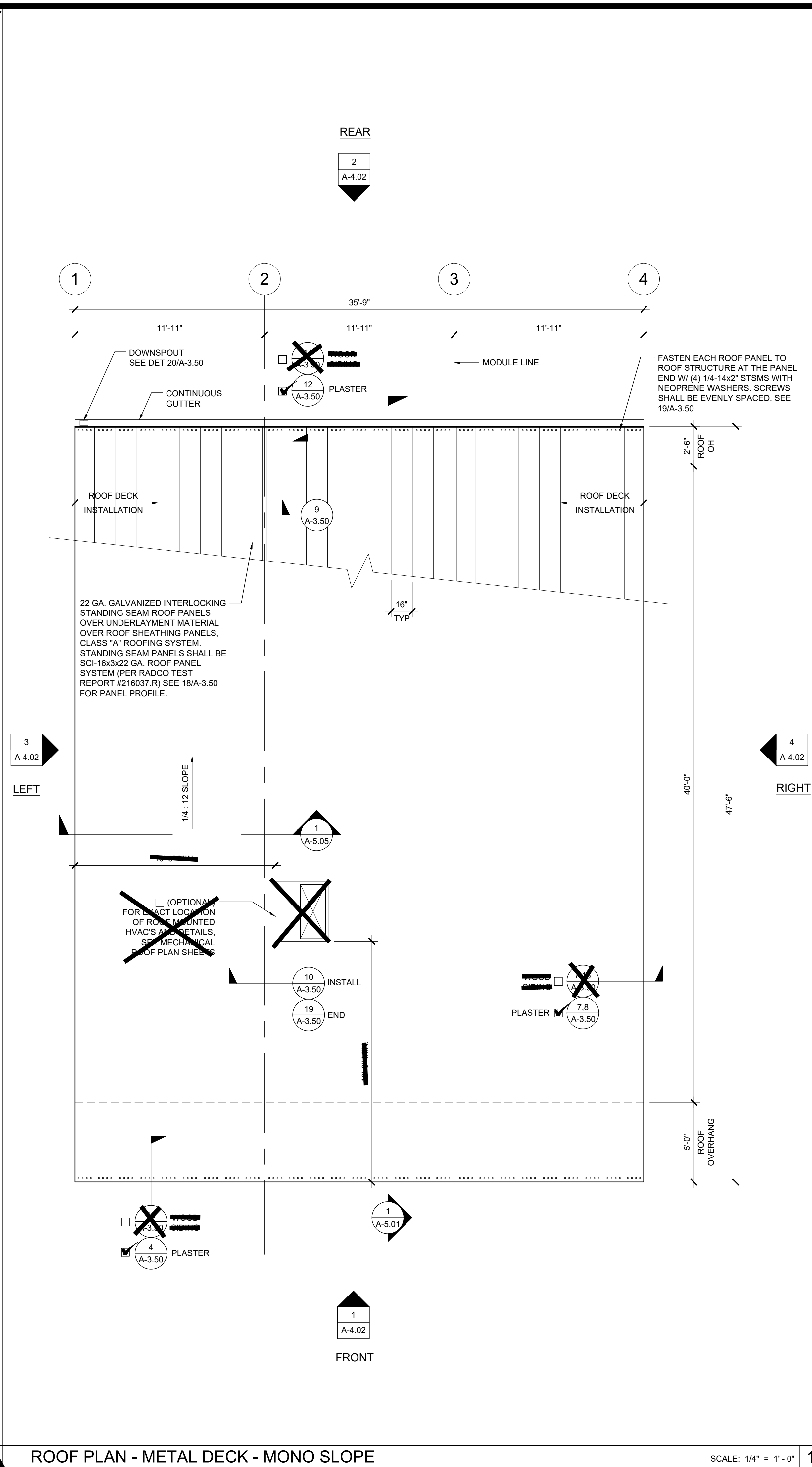
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

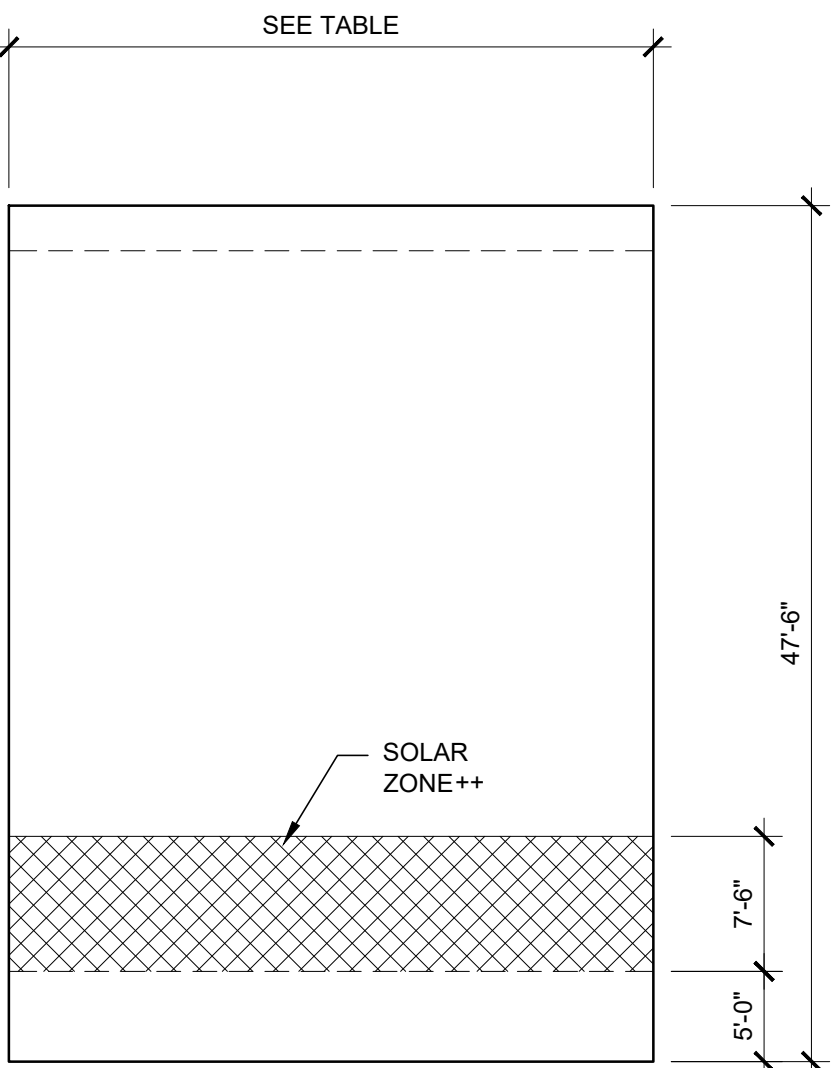
A-2.21



NOTES

1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - GLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC 718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. OR A GUARDRAIL SHALL BE PROVIDED PER 715-2.60
4. SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

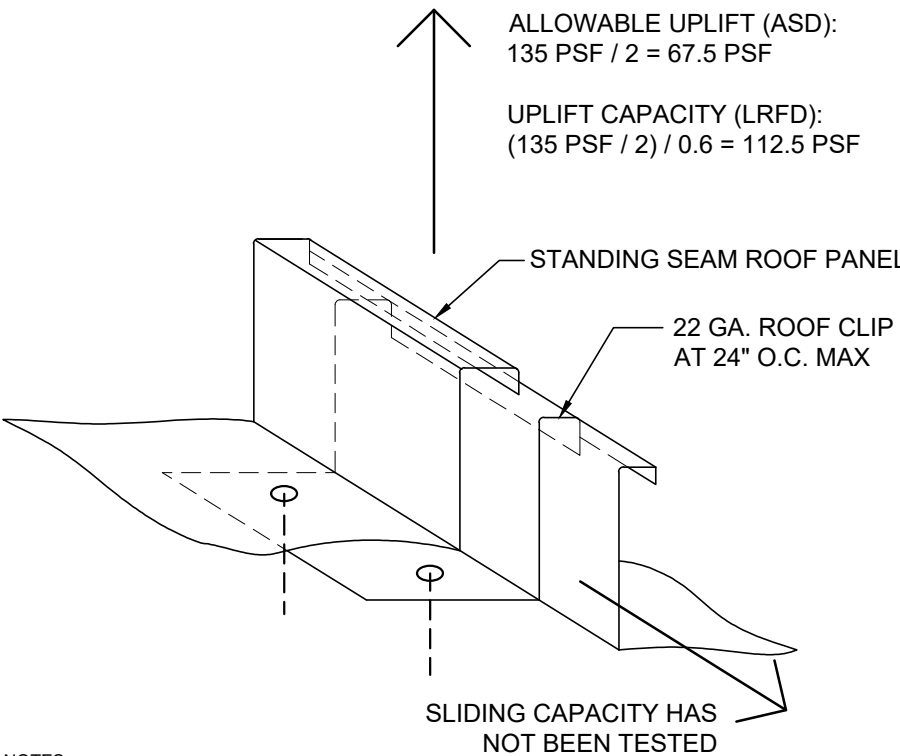
SOLAR ZONE



KEYPLAN

SOLAR ZONE CALCULATION TABLE		
BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 SF
ROOF AREA PER MODULE	=	567 SF
REQUIRED SOLAR ZONE	=	86 SF
PROVIDED SOLAR ZONE	=	89 SF

++ NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.



NOTES:

1. THE ALLOWABLE UPLIFT VALUES PROVIDED ABOVE ARE BASED ON TESTING PERFORMED IN ACCORDANCE WITH UL STANDARD 1897 (UPLIFT TEST FOR ROOF COVERING SYSTEM).
- TEST REPORT:
T1 RADCO (RADCO, A TWINNING COMPANY)
REPORT # T-1037 R
DATE: 6/22/2011
2. THE ULTIMATE LOAD DETERMINED BY TESTING = 135 PSF.
A SAFETY FACTOR OF 2.0 HAS BEEN USED IN CALCULATING THE ALLOWABLE VALUES.
3. PV PANEL ATTACHMENT OPTION IS NOT INCLUDED WITHIN THIS PC.
4. THE CLIP SLIDING CAPACITY HAS NOT BEEN TESTED. IF PV PANELS ARE INSTALLED THE SLIDING CAPACITY OF THE ROOF PANEL SYSTEM MUST BE DETERMINED BY FIELD TESTING FOR SLIDING CAPACITY OF NOT LESS THAN 7 DEGREES.
EXCEPTION: WHERE THE SLIDING LOAD FOR SEISMIC AND WIND FORCES ON THE PV PANEL SYSTEM IS LESS THAN THE DISPLACED DESIGN LIVE LOAD SLIDING COMPONENT PER ASR 18.6 (SEE ASR 18.6 FOR FURTHER DETAILS).
5. CONVERSION FROM ALLOWABLE UPLIFT (ASD) TO UPLIFT CAPACITY (LRFSD) IS BASED ON ASD WIND PRESSURE = $0.6 \times (LRFD \text{ WIND PRESSURE})$.

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PROJECT NAME

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE

ROOF PLAN

36' x 40' - METAL DECK
MONO OR DUAL SLOPE

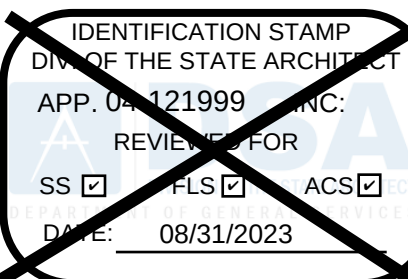
REVISIONS

- 1
- 2
- 3
- 4
- 5

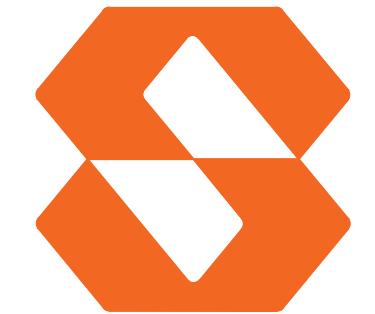
PRE-CHECK (PC) DOCUMENT

CODE: 2022 C

A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVA



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO.

DRAWN BY

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-3.02

ROOF PLAN - METAL DECK - DUAL SLOPE

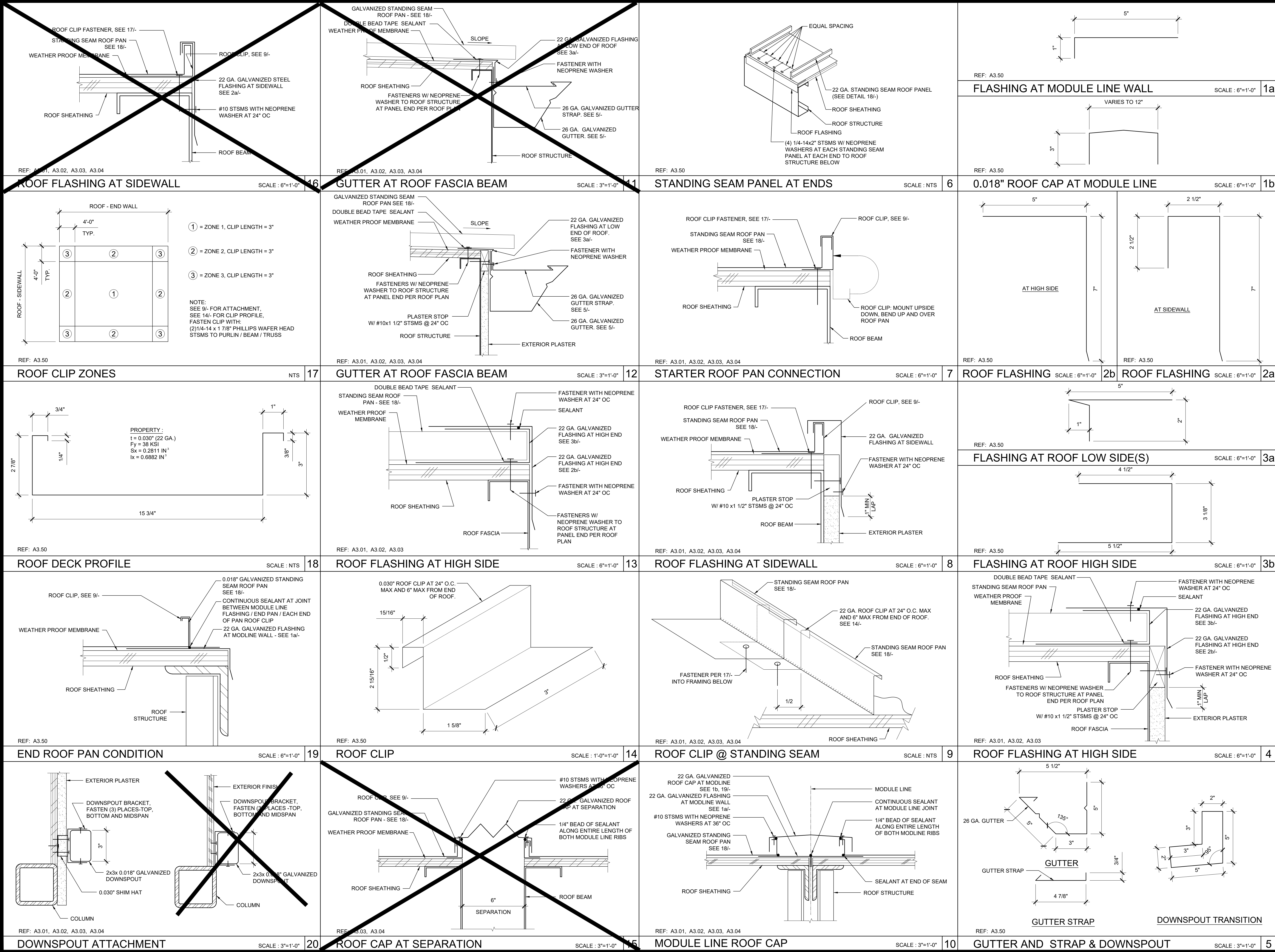
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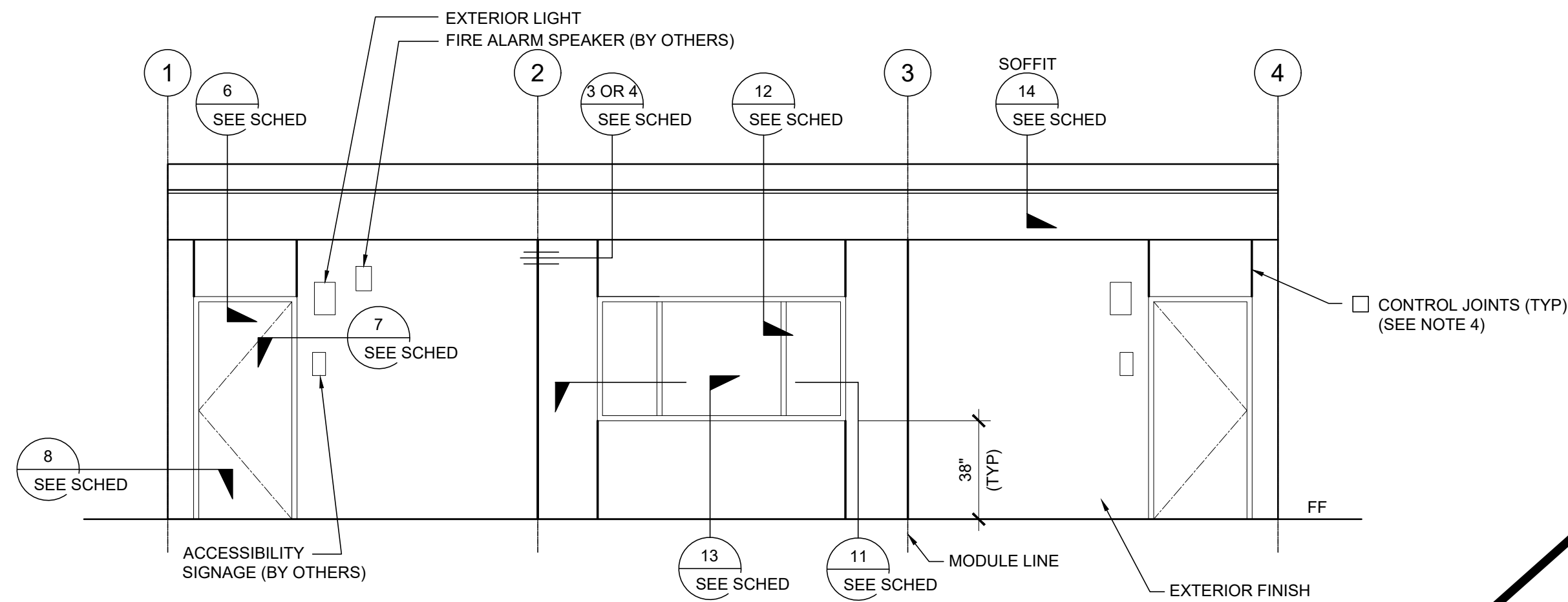
ROOF PLAN - METAL DECK - MONO SLOPE

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

ROOF SYSTEM CAPACITY

SCALE: NTS | A

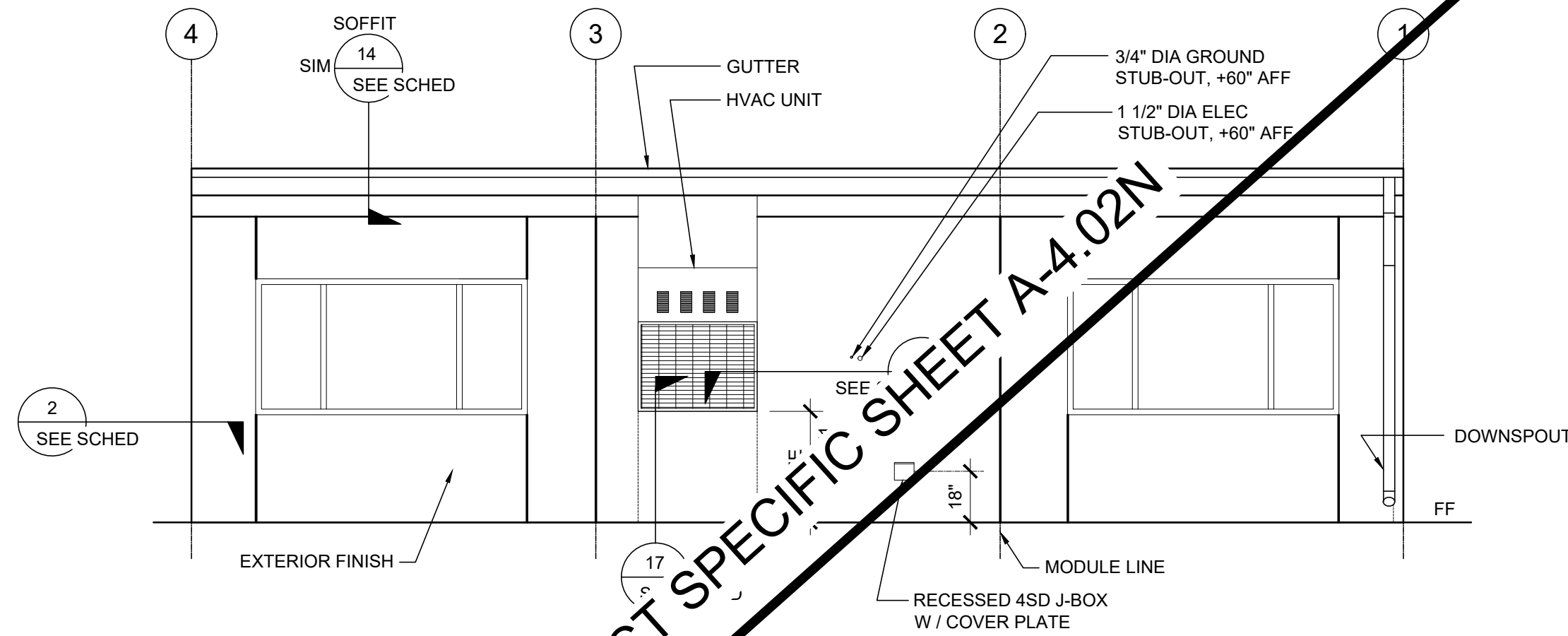




EXTERIOR ELEVATIONS - FRONT - MONO SLOPE

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

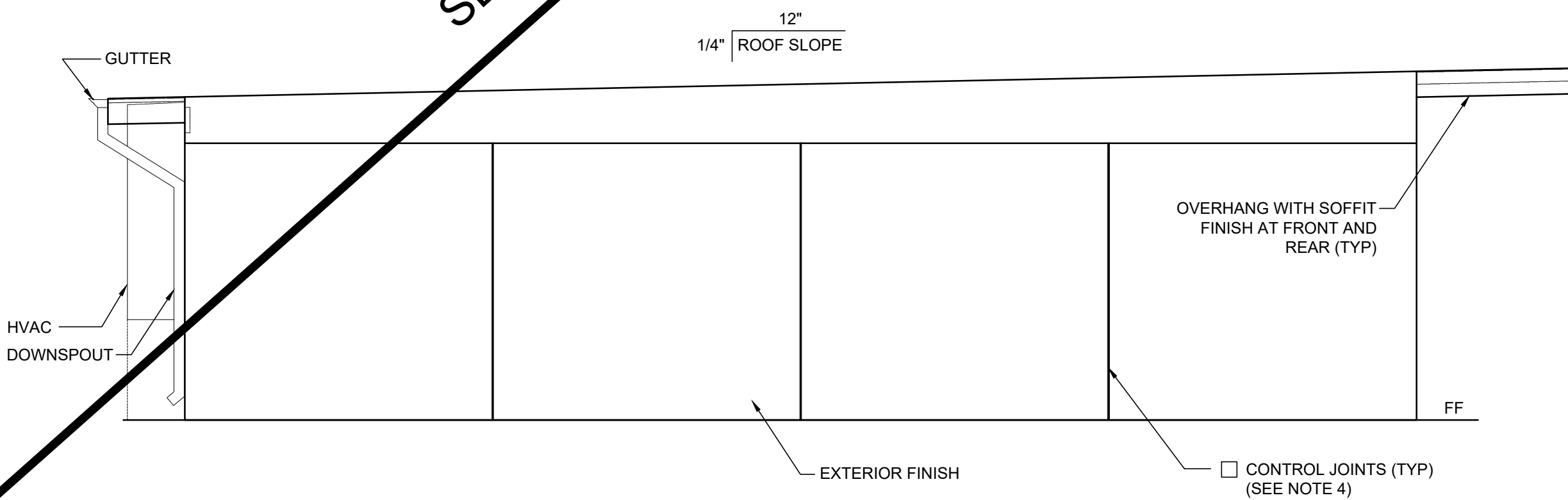
1



EXTERIOR ELEVATIONS - REAR - MONO SLOPE

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

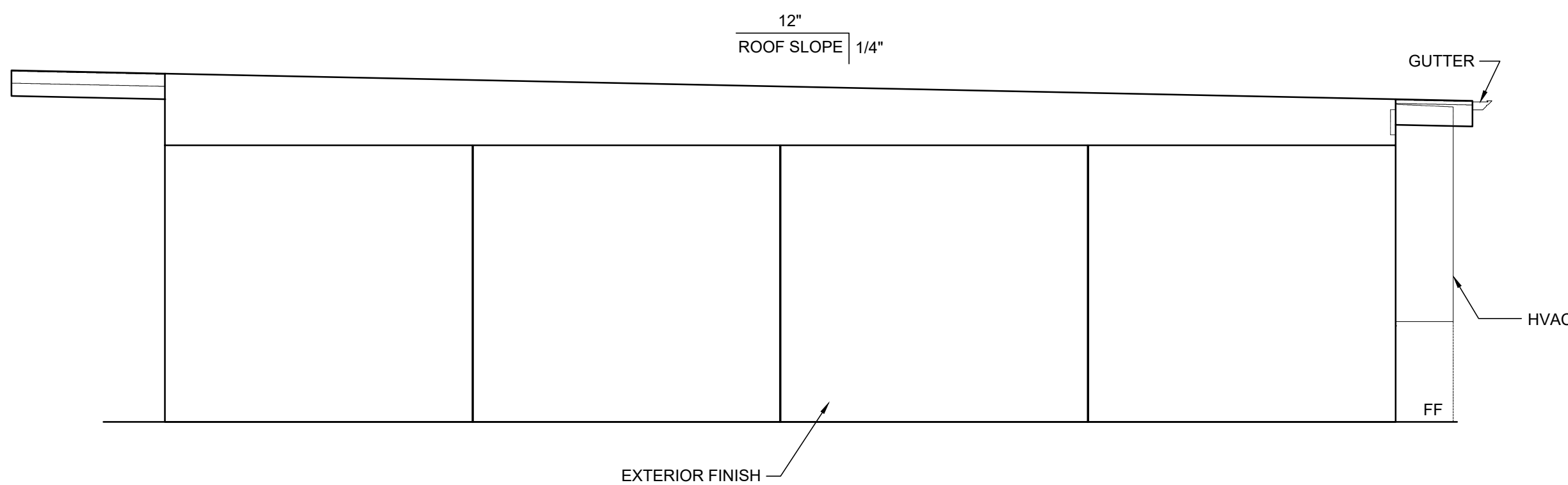
2



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
6. PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL AND/OR FIRE RESISTANCE RATED EXTERIOR WALL.

DETAIL SCHEDULE

FINISH:	SHEET #:
☐ SIDING OVER WOOD STUDS	A-5.50
☒ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

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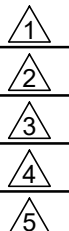
PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

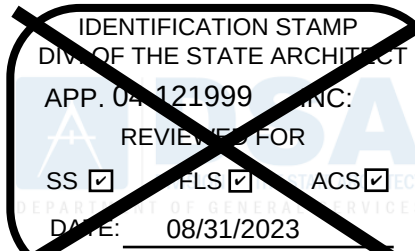
SHEET TITLE:

EXTERIOR ELEVATION
36' X 40'
MONO SLOPE

REVISIONS



PRE-CHECK (PC) DOCUMENT
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A SEPARATE PROJECT APPLICATION
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PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

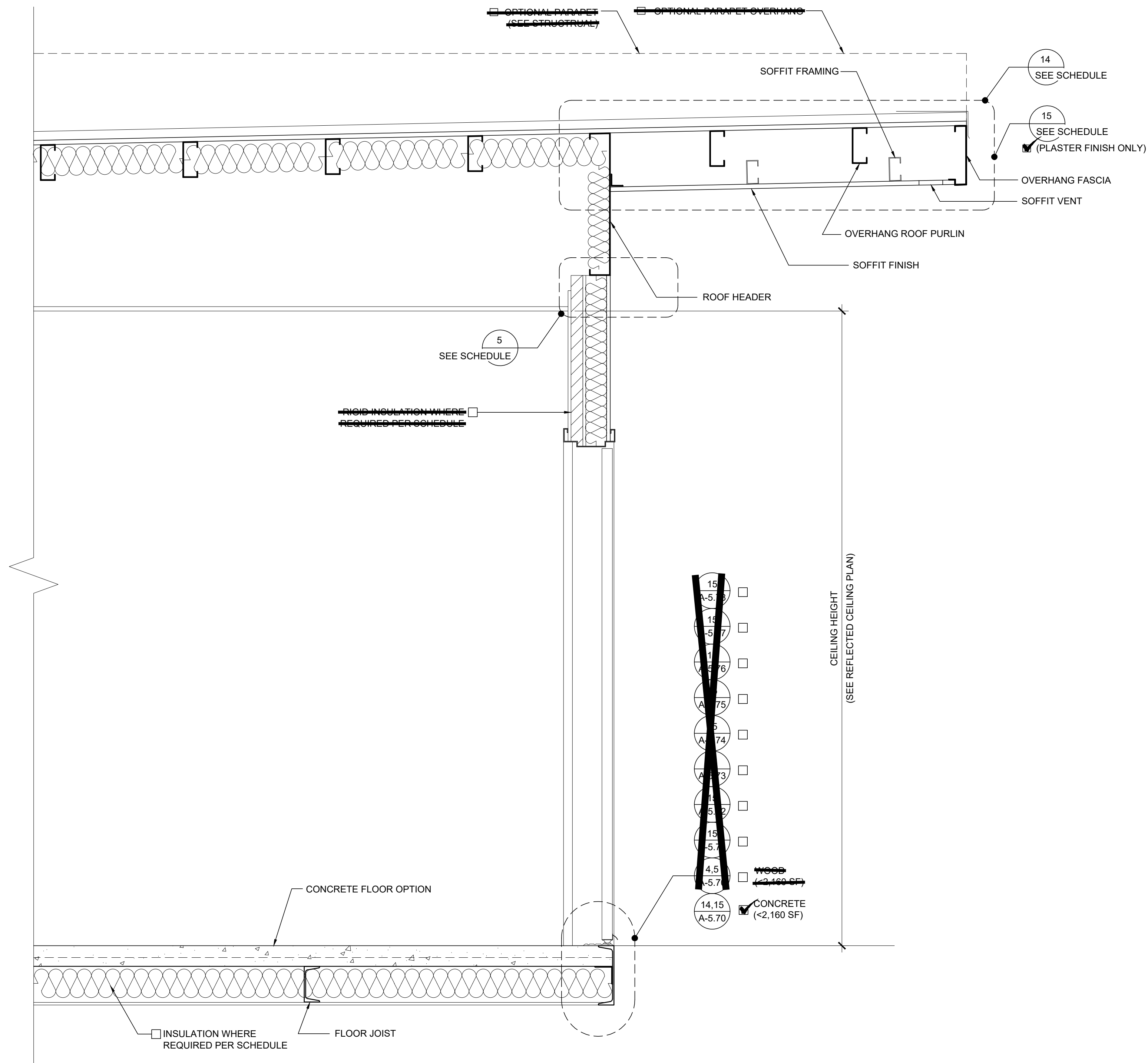
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DETAIL SCHEDULE	
FINISH:	SHEET #:
☐ SIDING OVER WOOD STUDS	A-5.50
☒ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61
FIRE RATED DETAIL SCHEDULE	
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63
FLOOR OPTION	
☐ WOOD FLOOR	
☒ CONCRETE FLOOR	

SEALANTS AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL SEALANTS AND CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING AND TO LIMIT AIR LEAKAGE.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.
ALL EXTERIOR JOINTS, PENETRATIONS AND OTHER OPENINGS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED.

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
CROSS SECTION

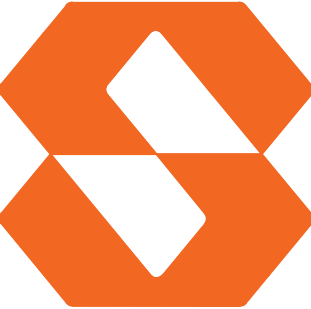
REVISIONS

1	
2	
3	
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IDENTIFICATION STAMP
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SS ☒ PLS ☒ ACS ☒
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PC STATE AGENCY APPROVAL

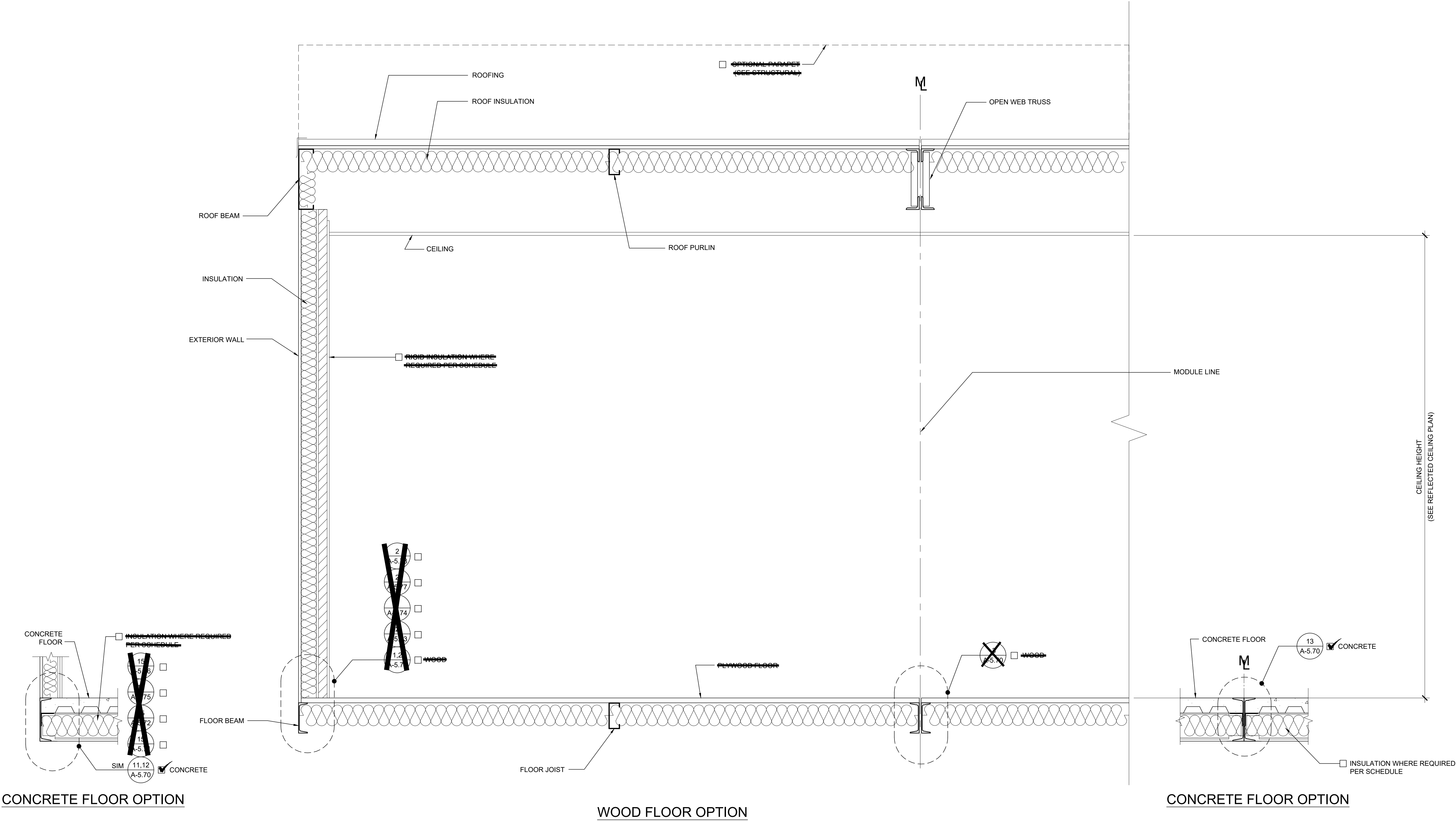

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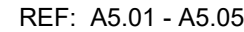
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-5.05





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



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



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

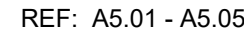


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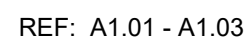
- NOTE:

- REF: ~~A5.01~~ - A5.05

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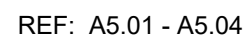
SCALE : 1 1/2"=1'-0"



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



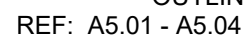
SCALE : 1 1/2"=1'-0"



SCALE : 3"=1' 0"



SCALE : 3"=1' 0"



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



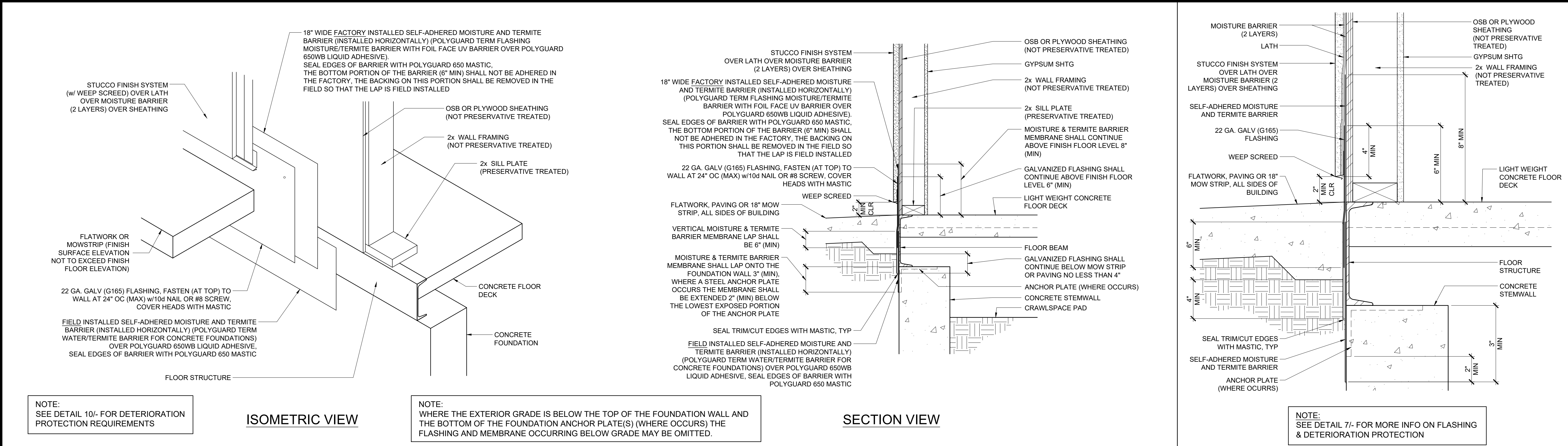
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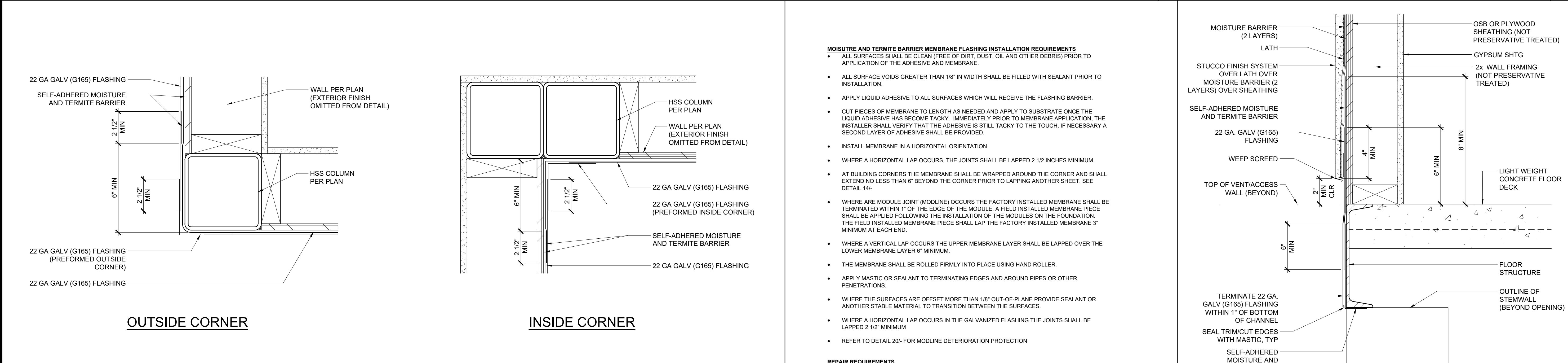
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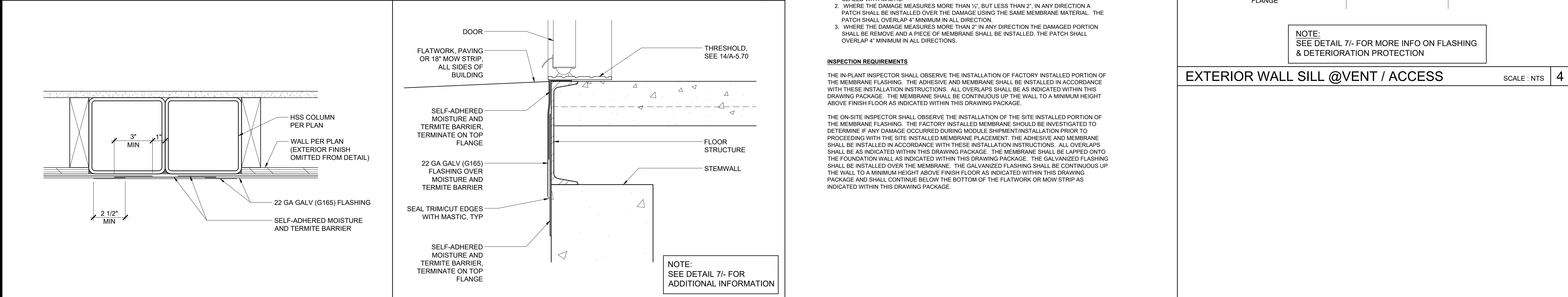
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DETERIORATION PROTECTION 7 TYPICAL EXTERIOR WALL SILL 2



DETERIORATION PROTECTION - CORNER CONDITIONS 14



DETERIORATION PROTECTION - MODLINE 20 DETERIORATION PROTECTION @ THRESHOLD 15 DETERIORATION PROTECTION REQUIREMENTS 10

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

**DETERIORATION
PROTECTION
STUCCO EXTERIOR FINISH
CONC FLOOR - WD STUDS**

REVISIONS

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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

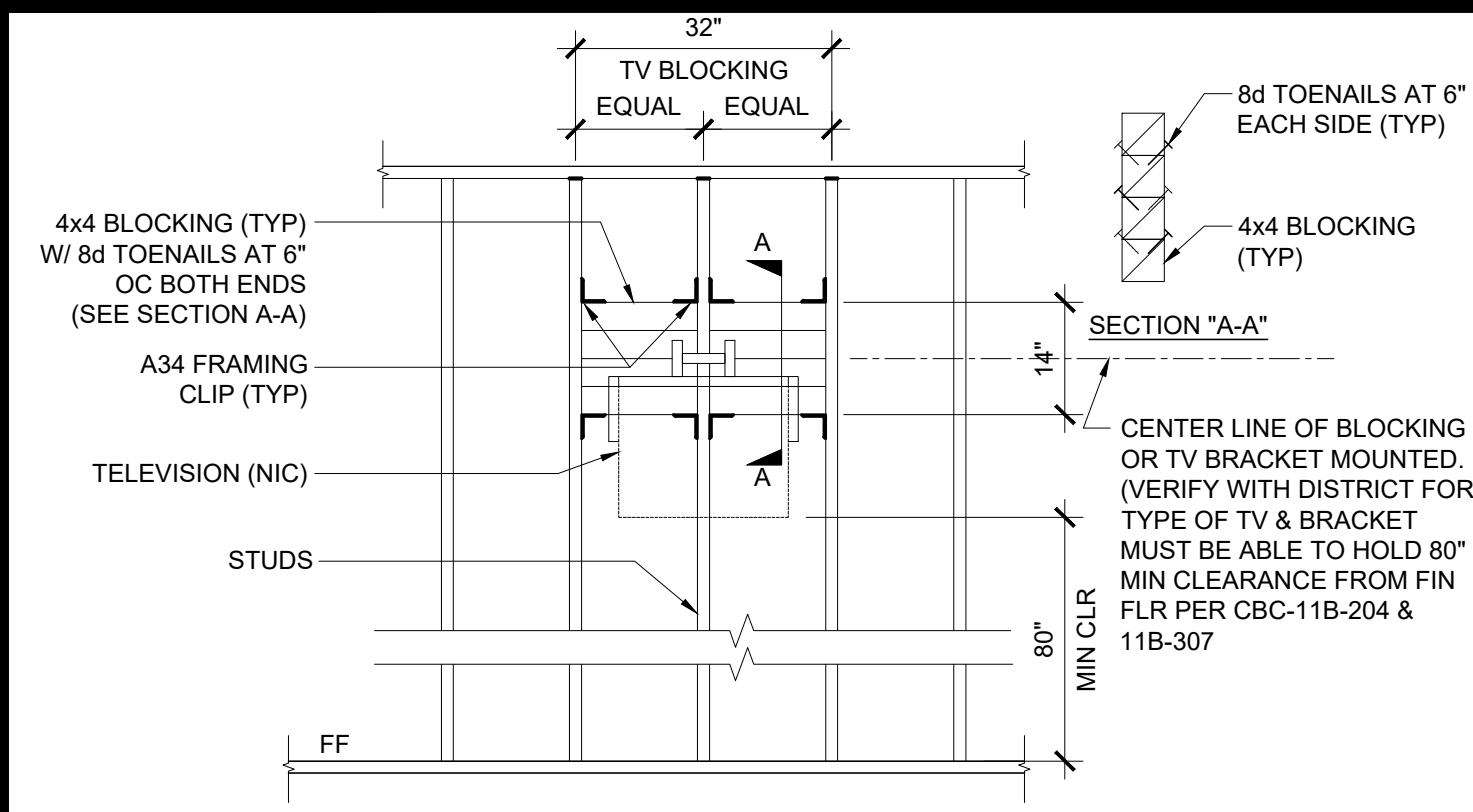
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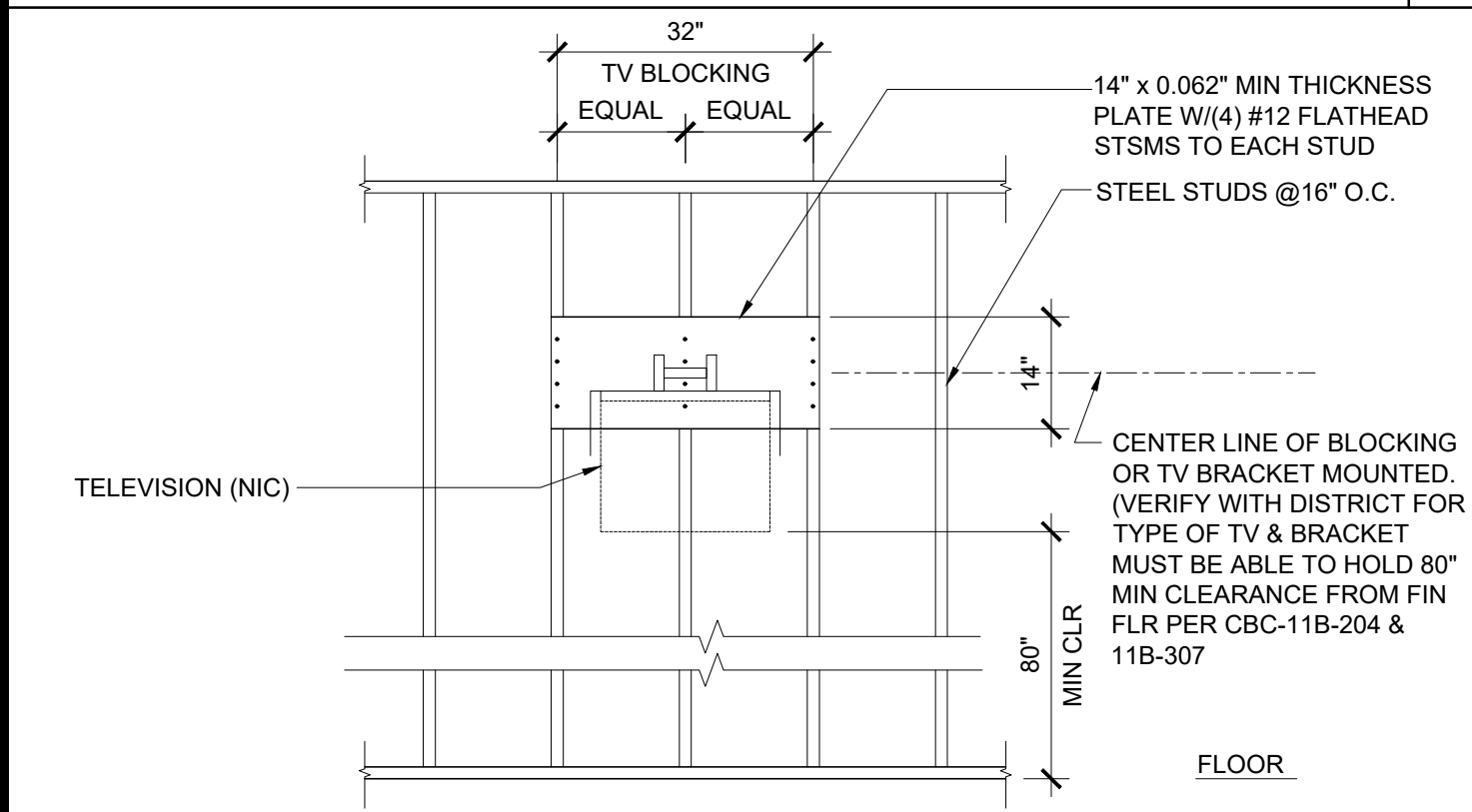
DATE: 02-27-2023

P.C. SHEET NUMBER

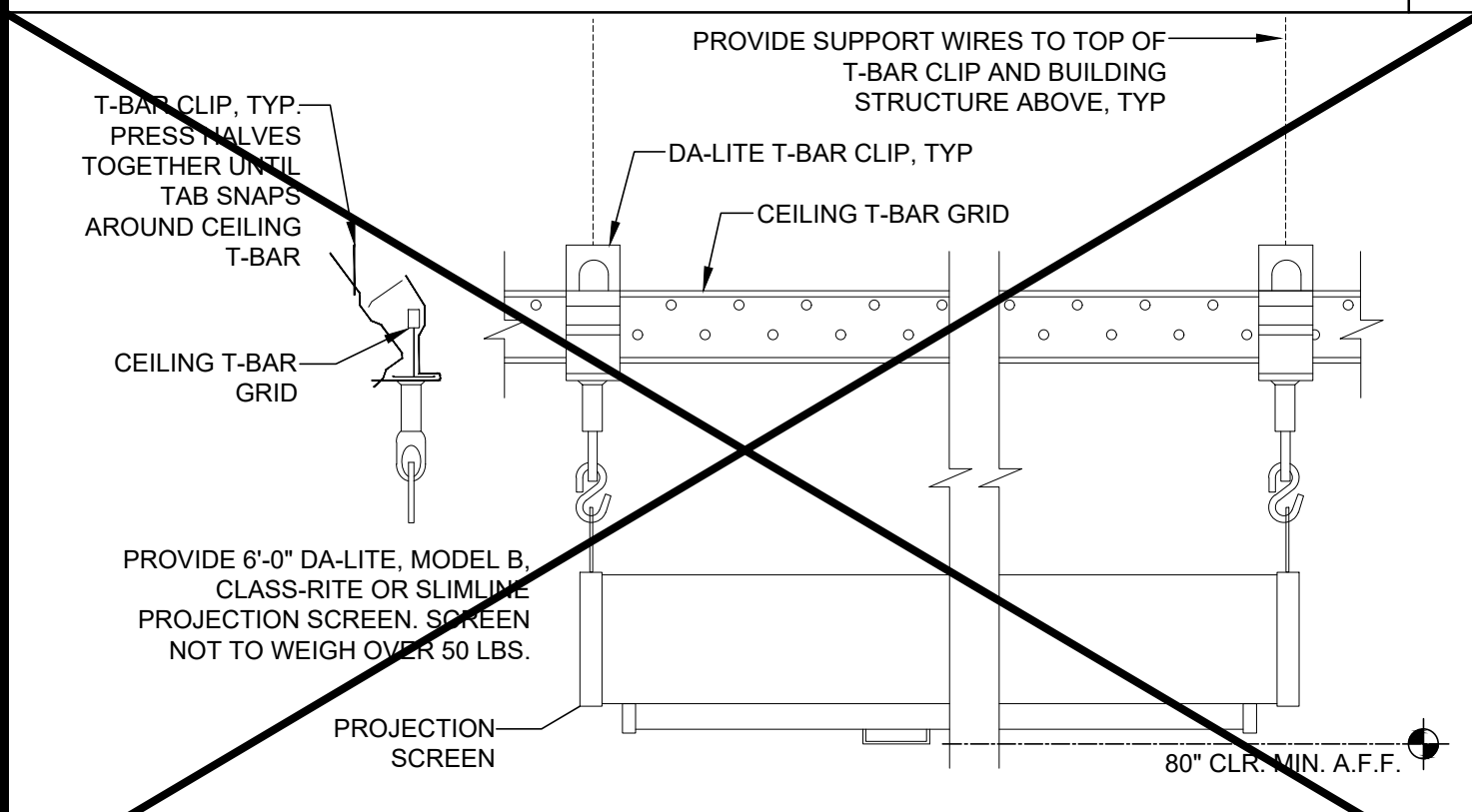
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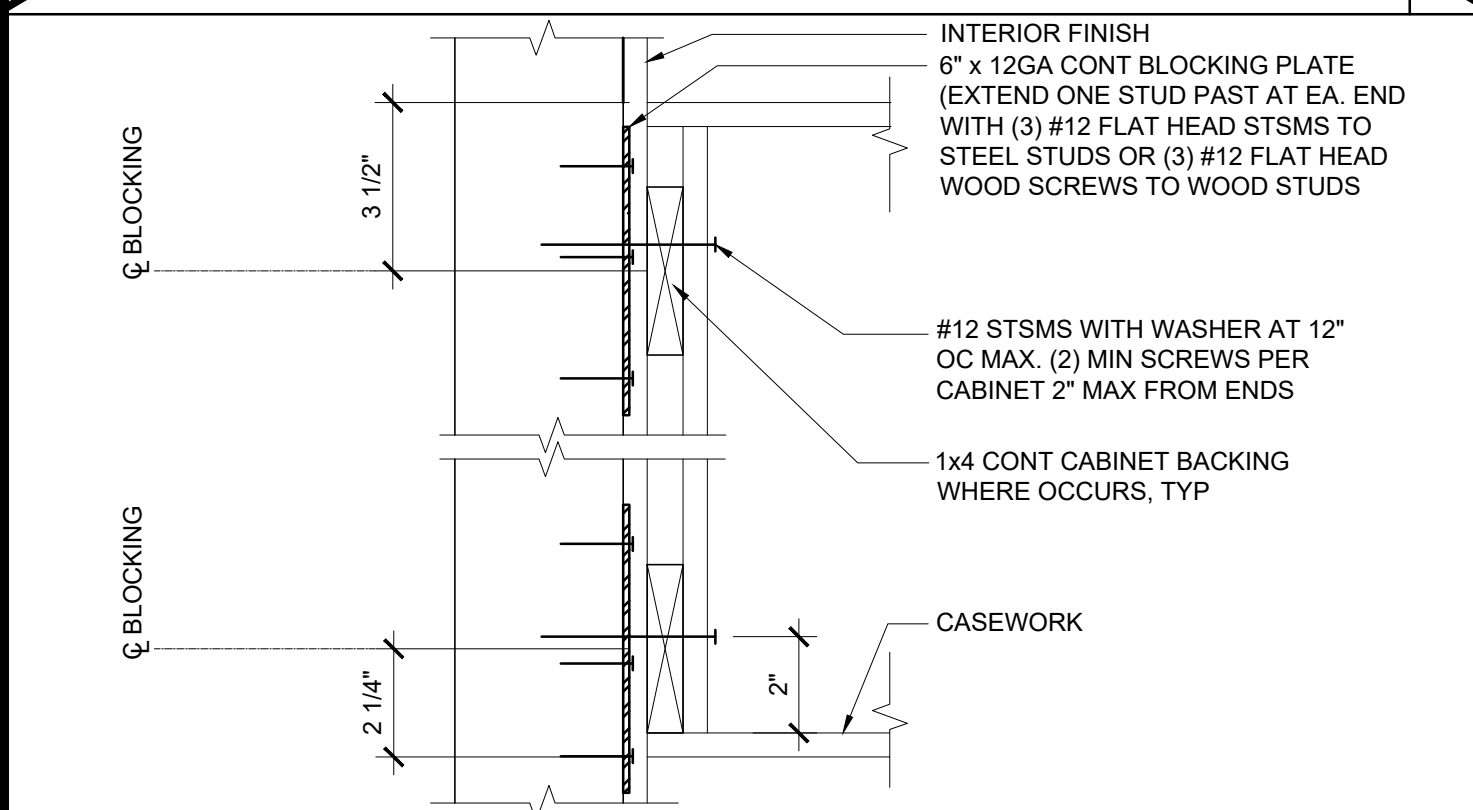
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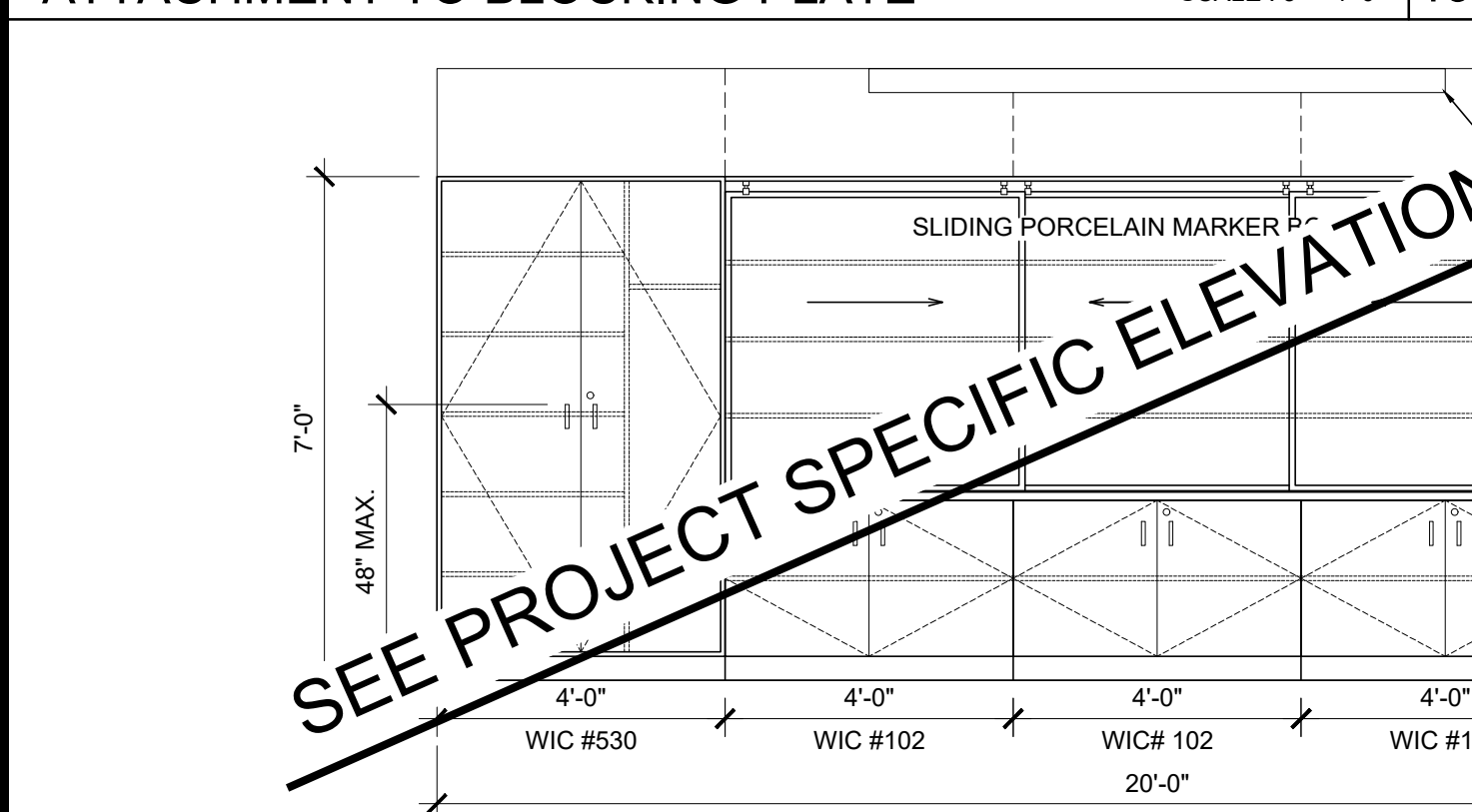
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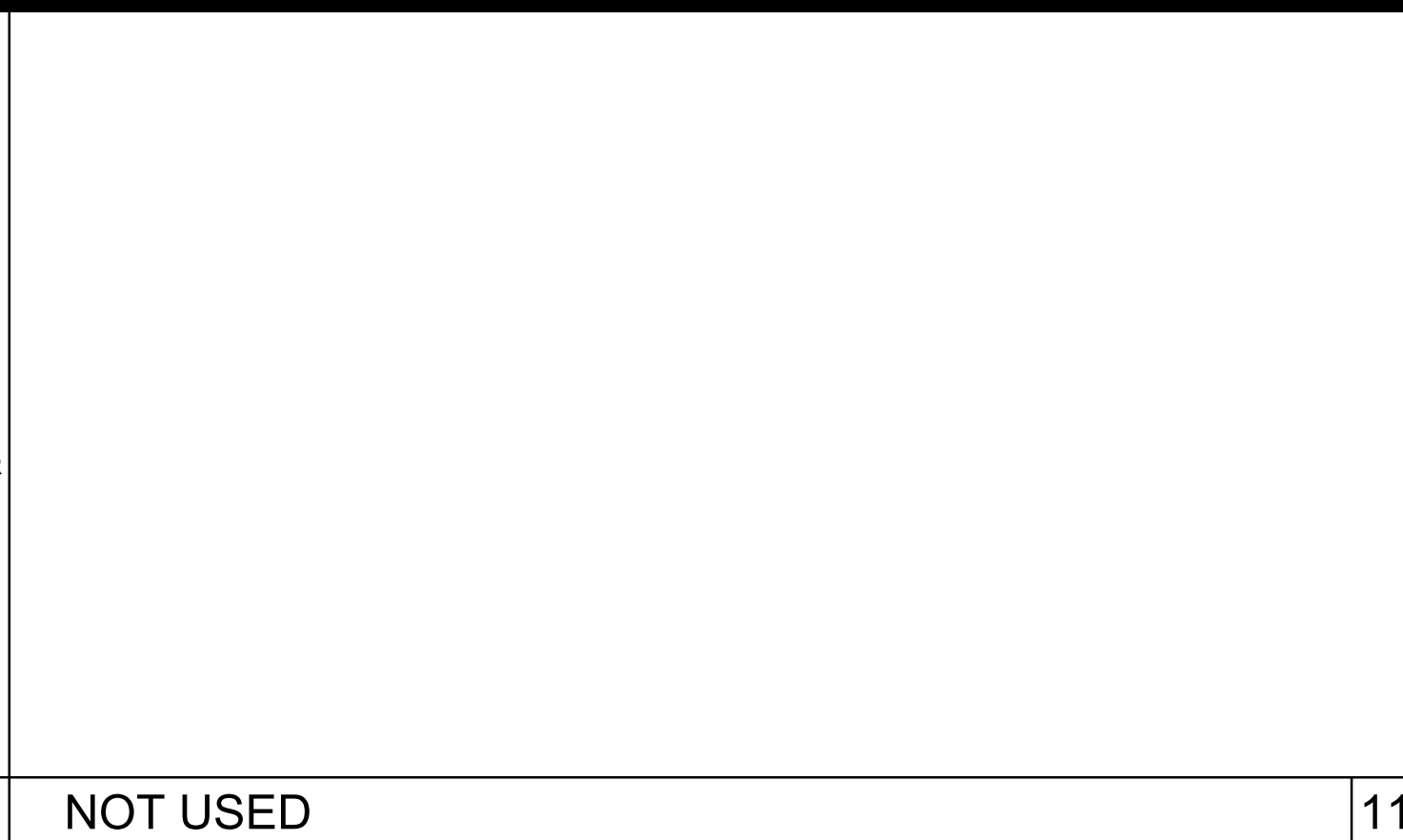
PROJECTION SCREEN MOUNTING SCALE : NTS 18



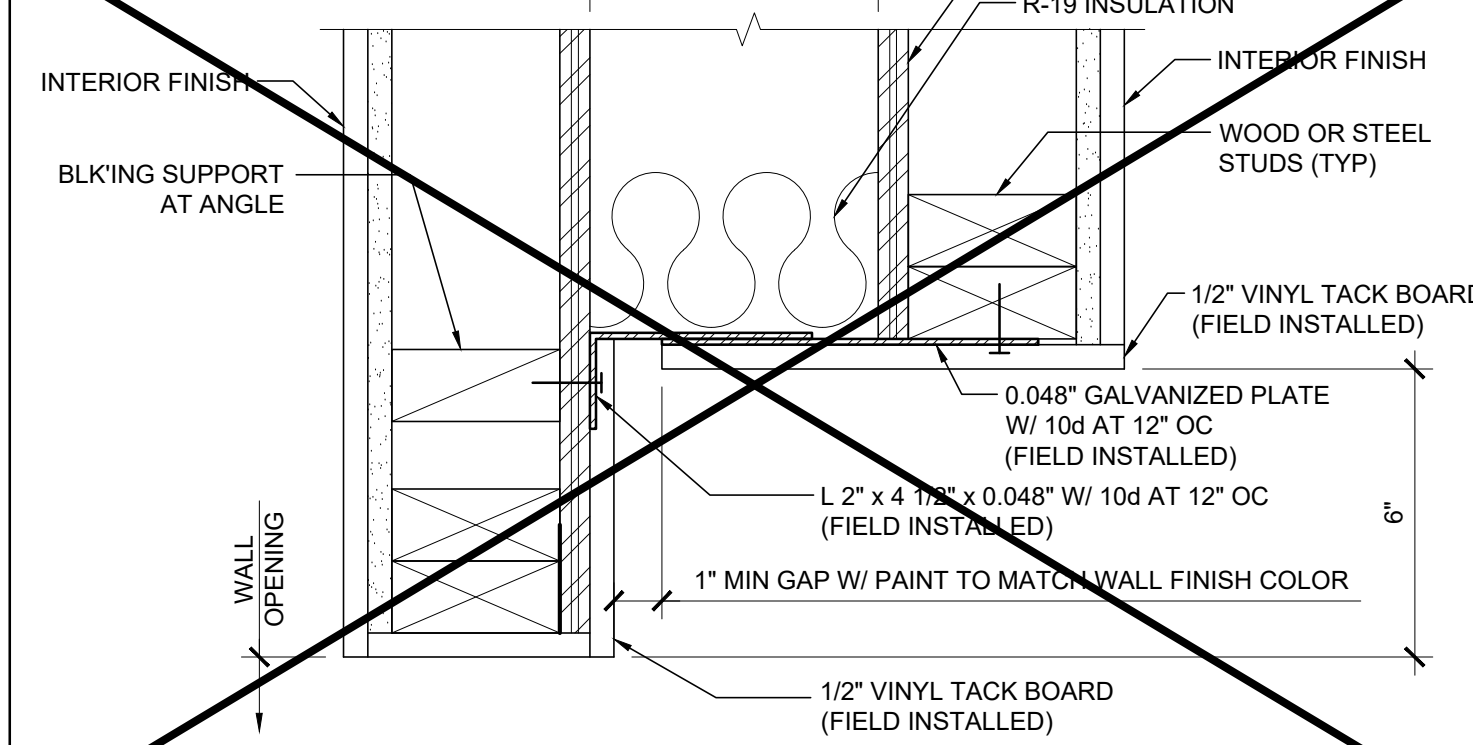
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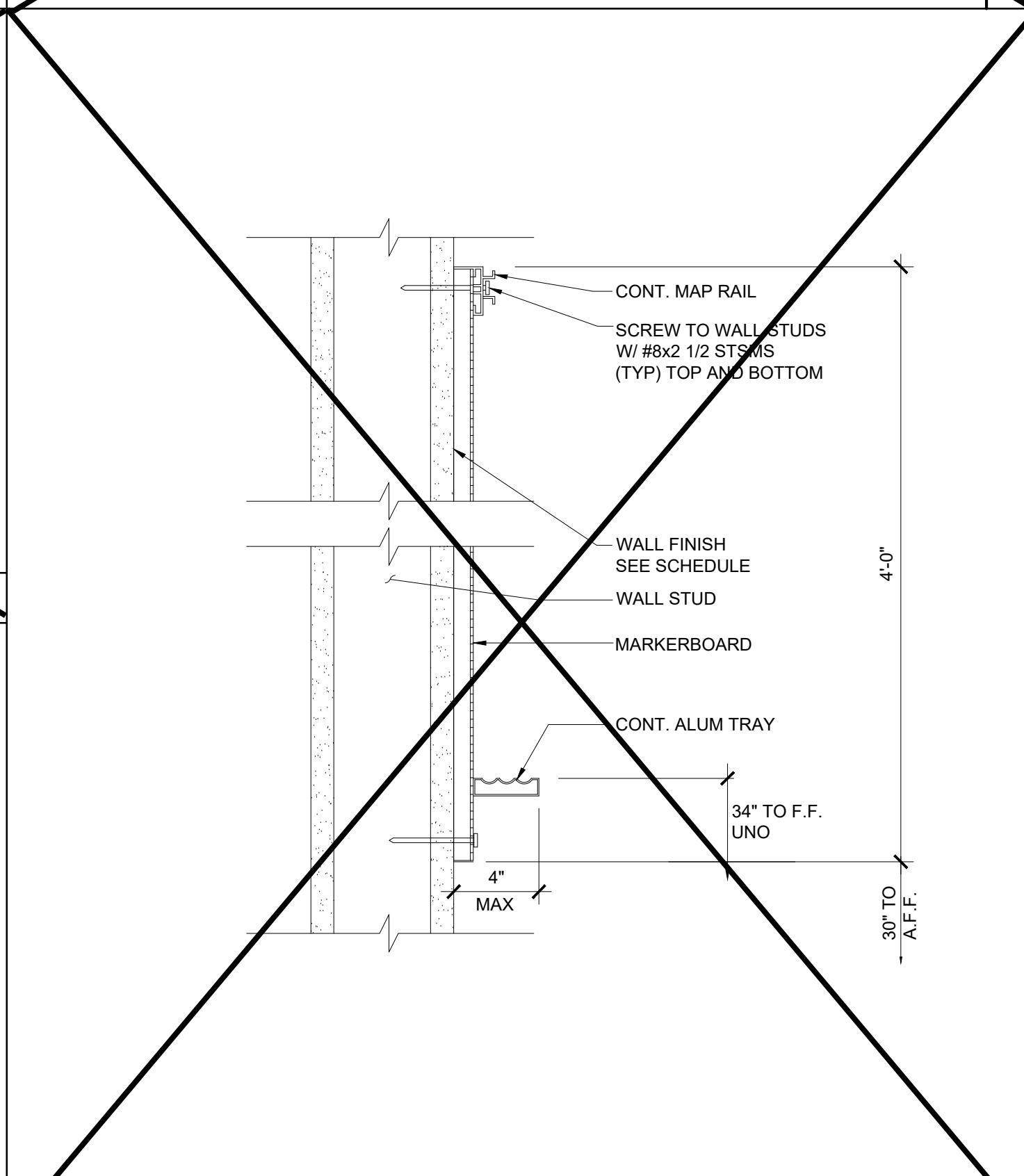
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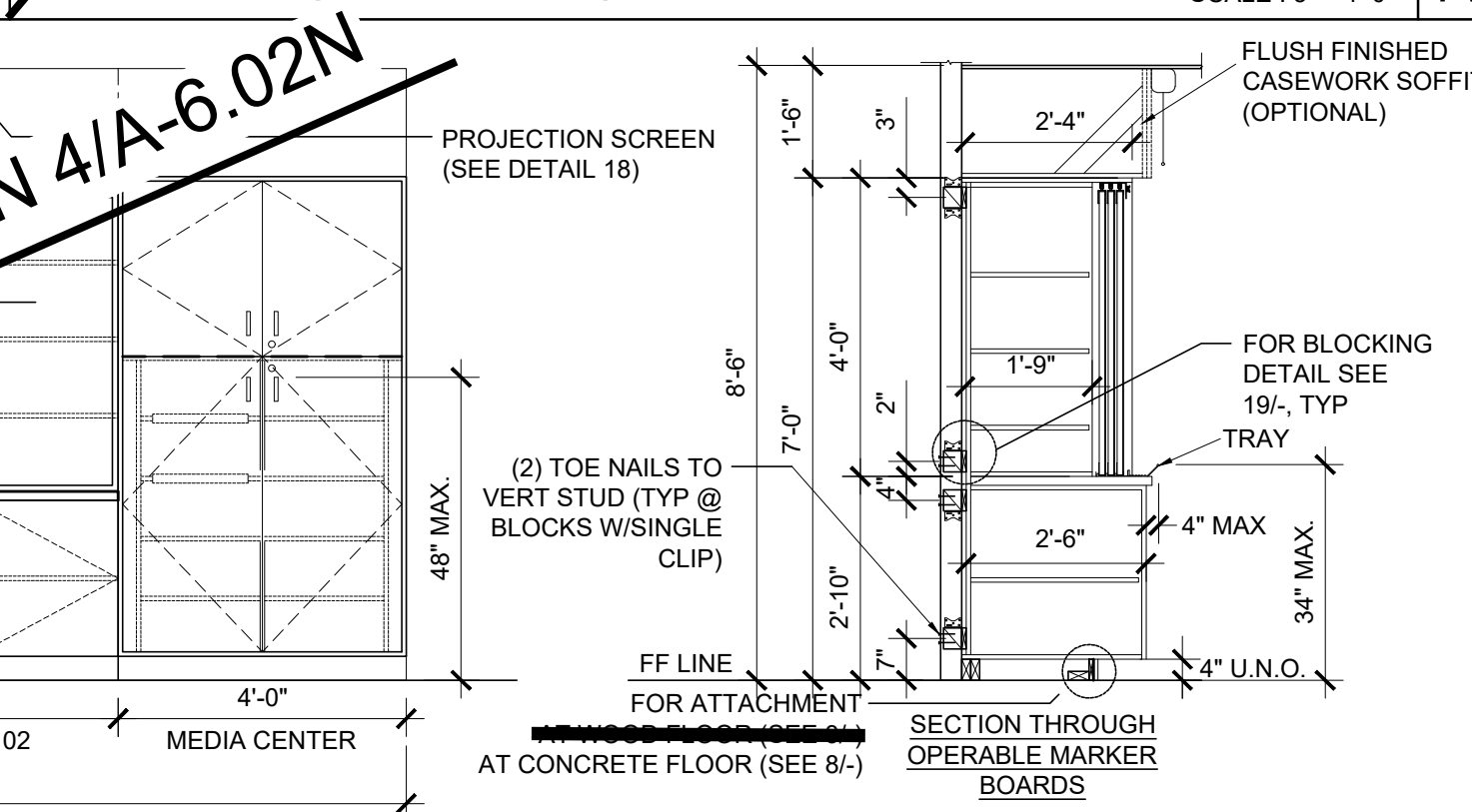
NOT USED 11



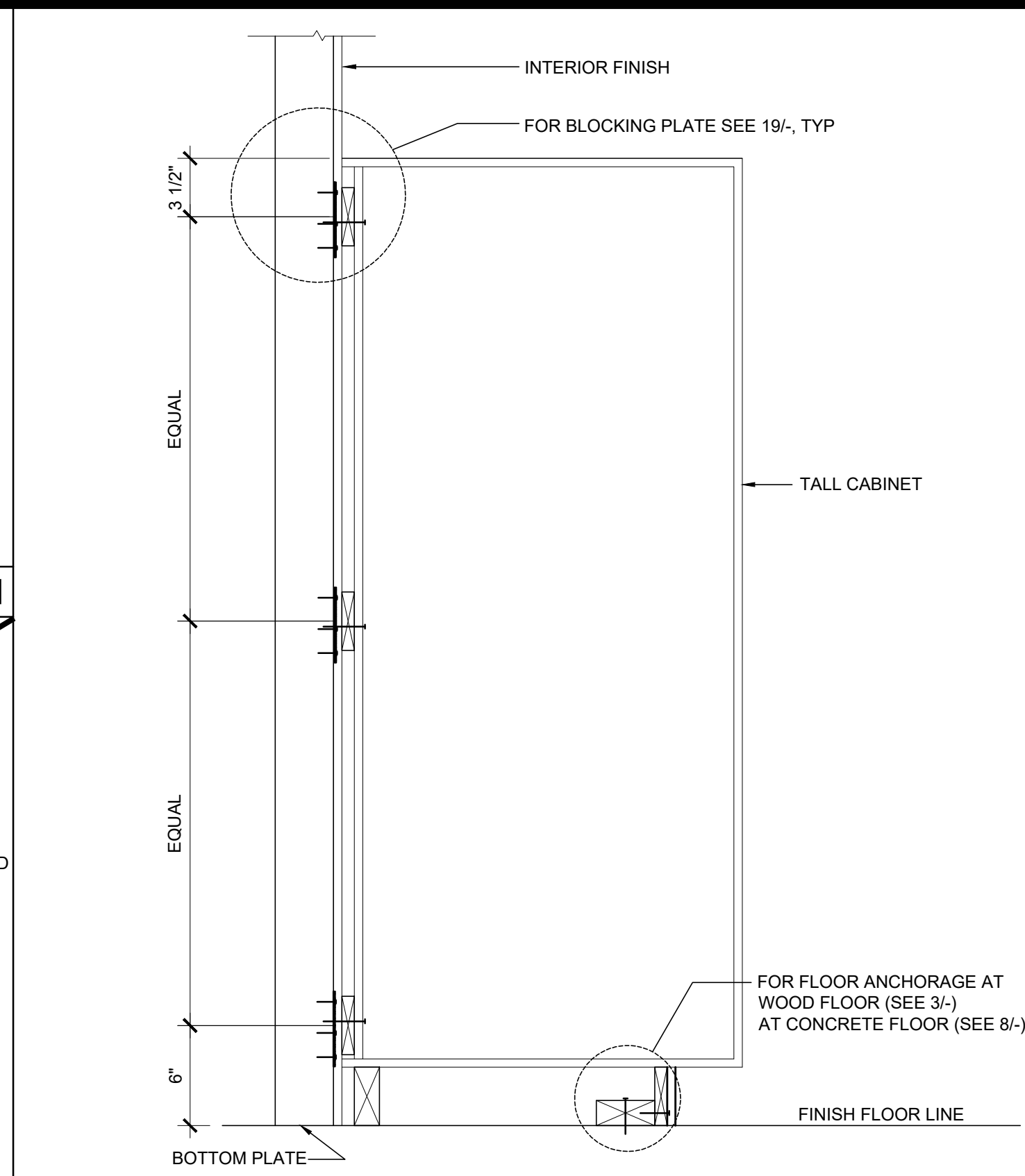
WALL OPENING AT HEADER AND JAMB SCALE : 3\"/>



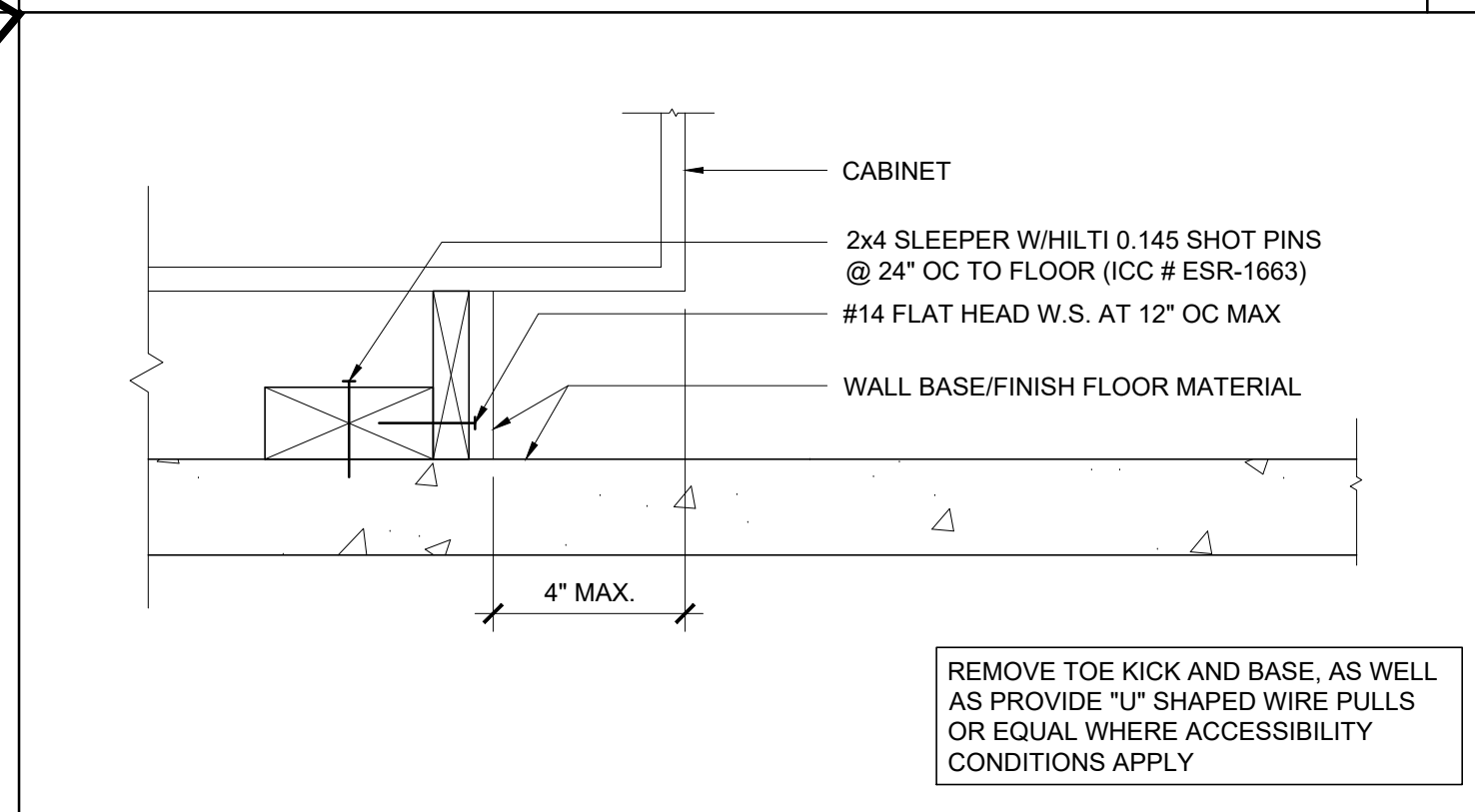
MARKER BOARD ATTACHMENT SCALE : 3\"/>



NOT USED 15



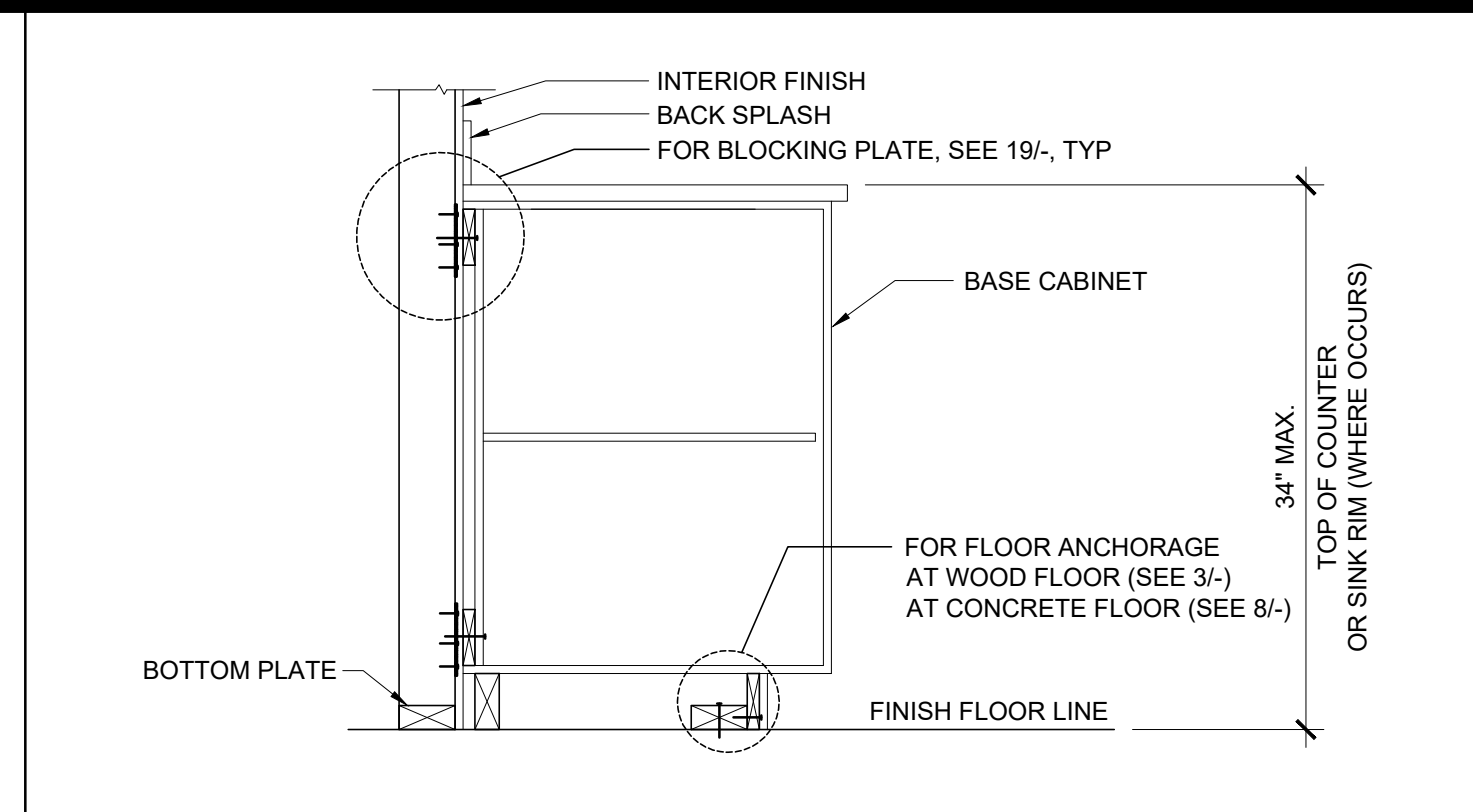
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2\"/>



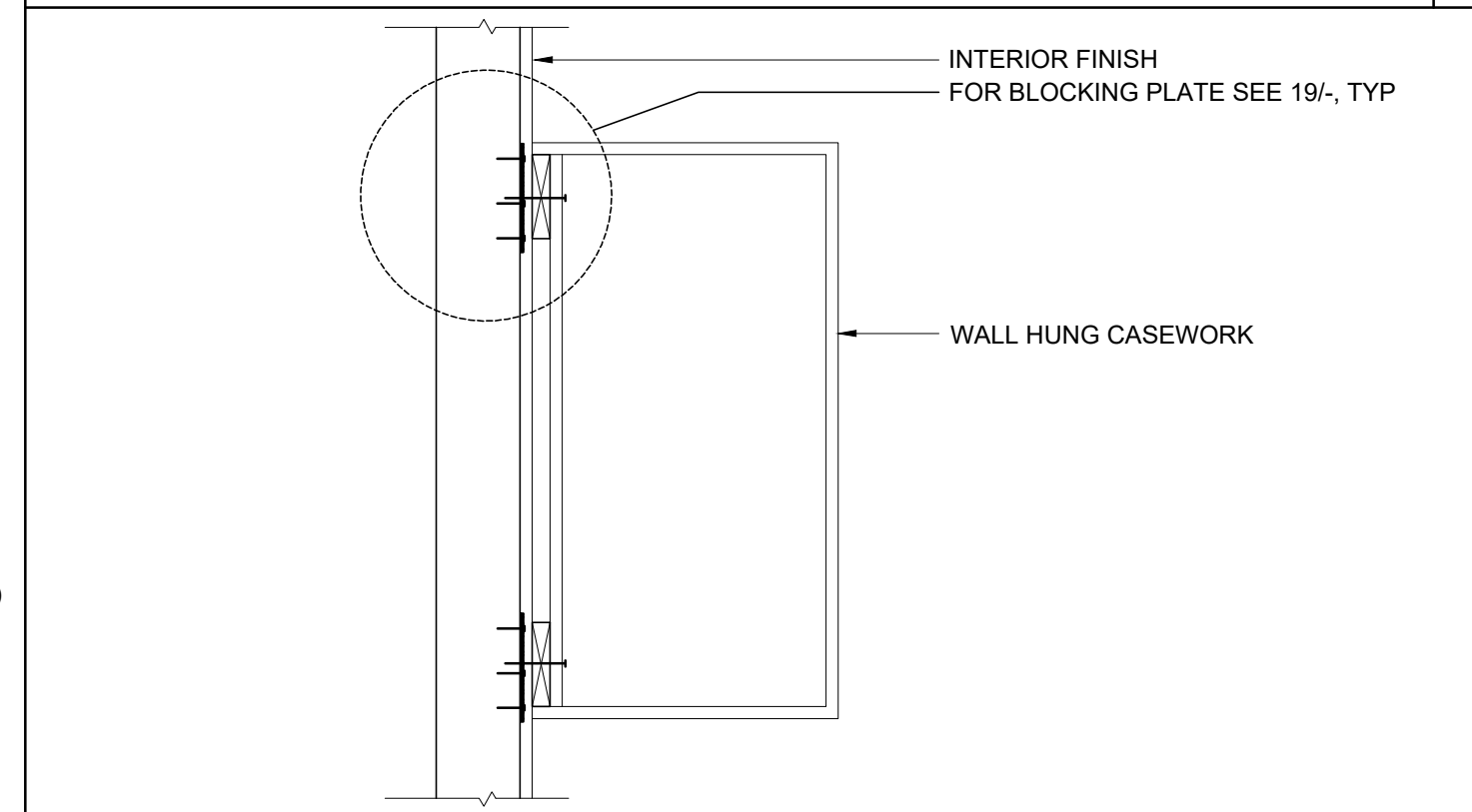
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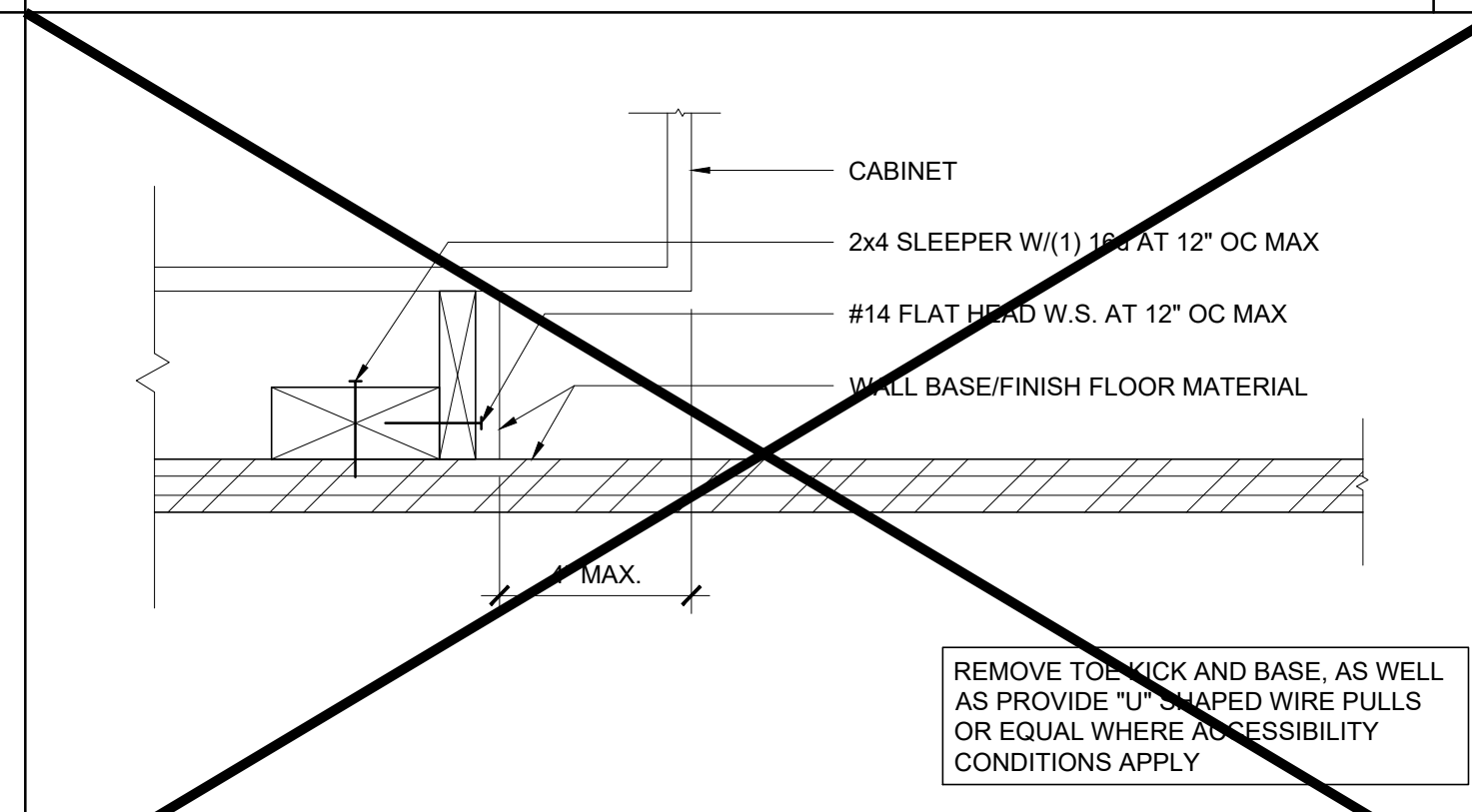
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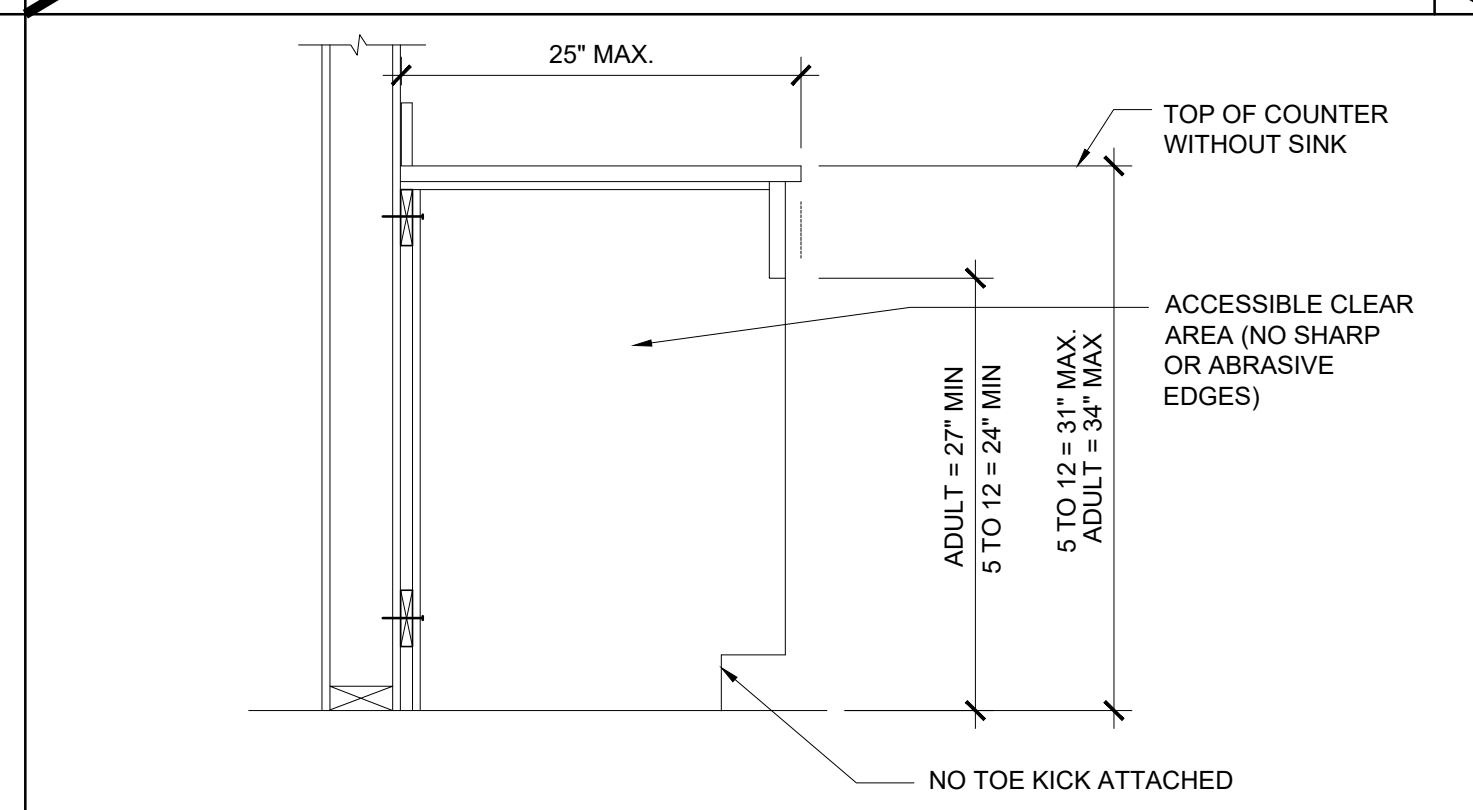
BASE CABINET WALL ANCHORAGE SCALE : 1\"/>



WALL HUNG ANCHORAGE CABINET SCALE : 1 1/2\"/>



ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3\"/>



ACCESSIBLE COUNTER SCALE : 1\"/>



NOT USED 5

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

REVISIONS

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2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
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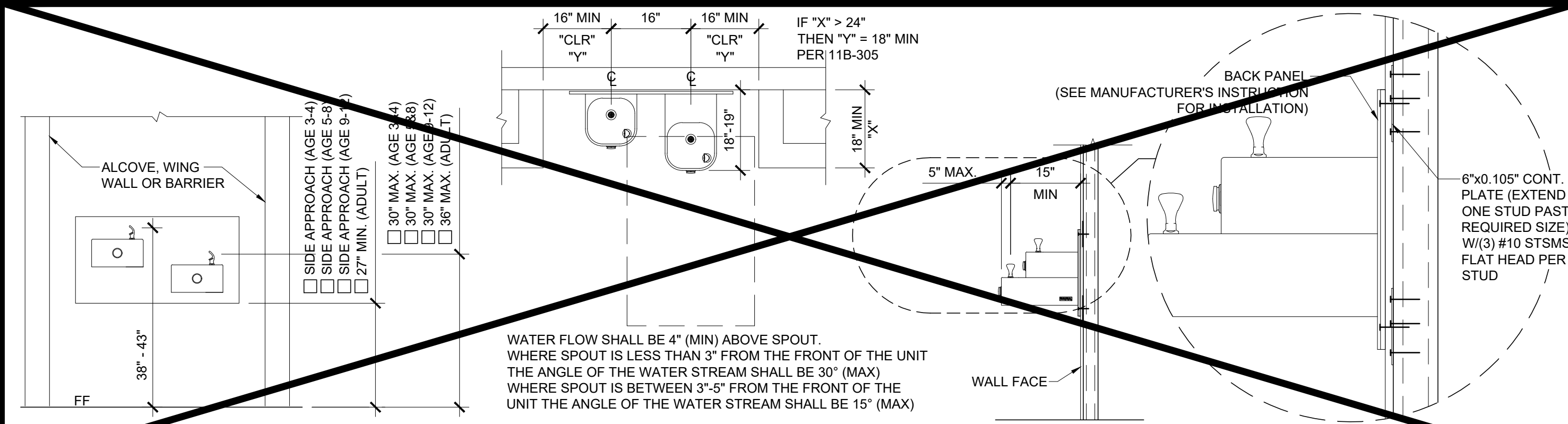
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SCALE: AS NOTED

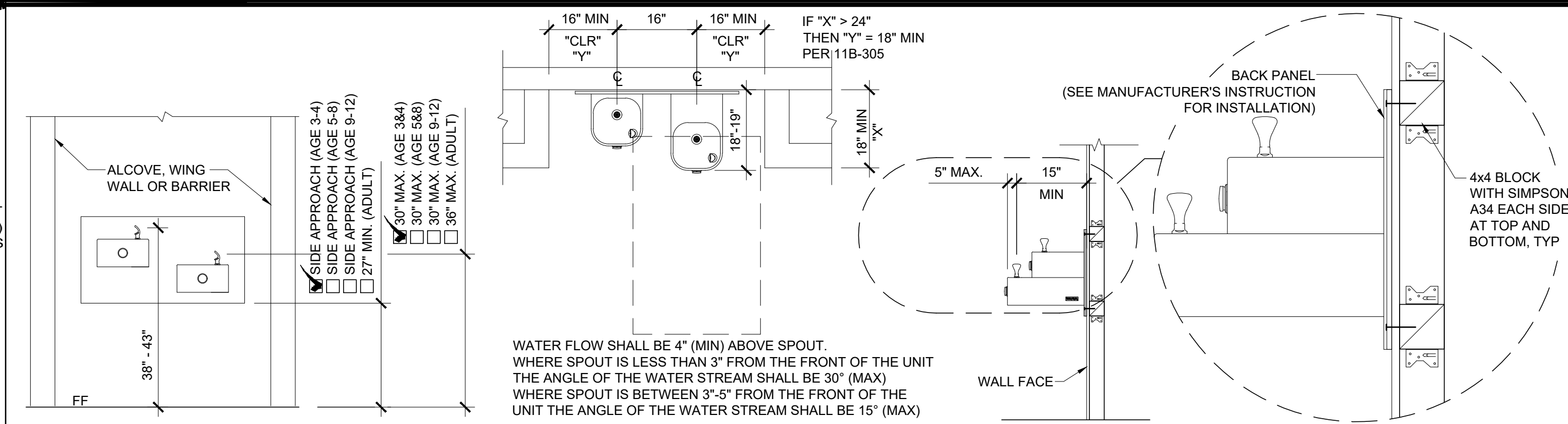
DATE: 02-27-2023

P.C. SHEET NUMBER

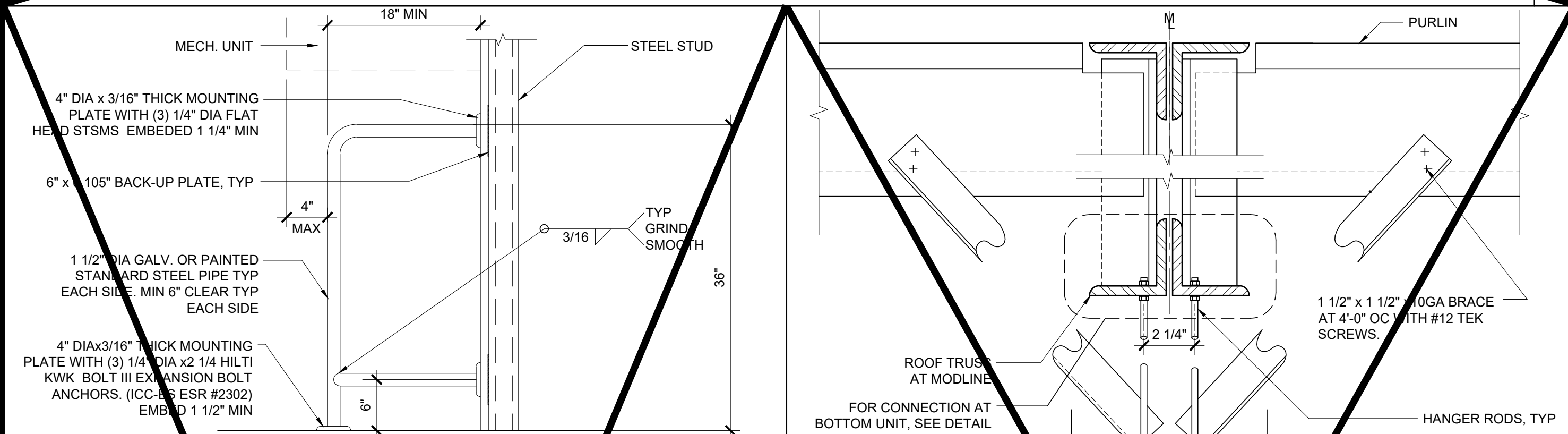
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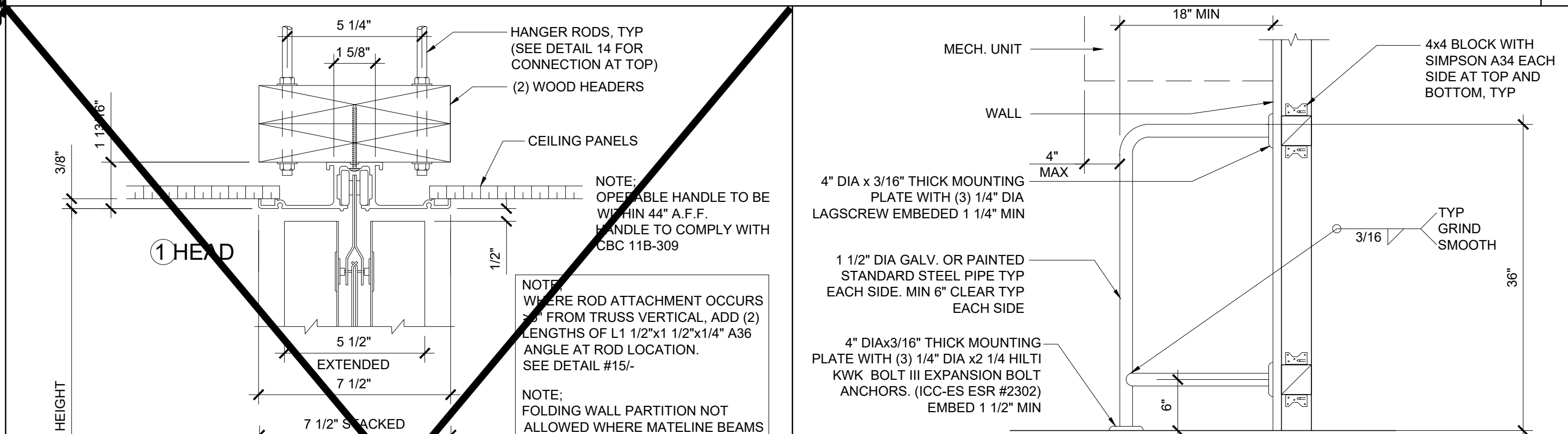
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE : 1/2" = 1'-0" 11



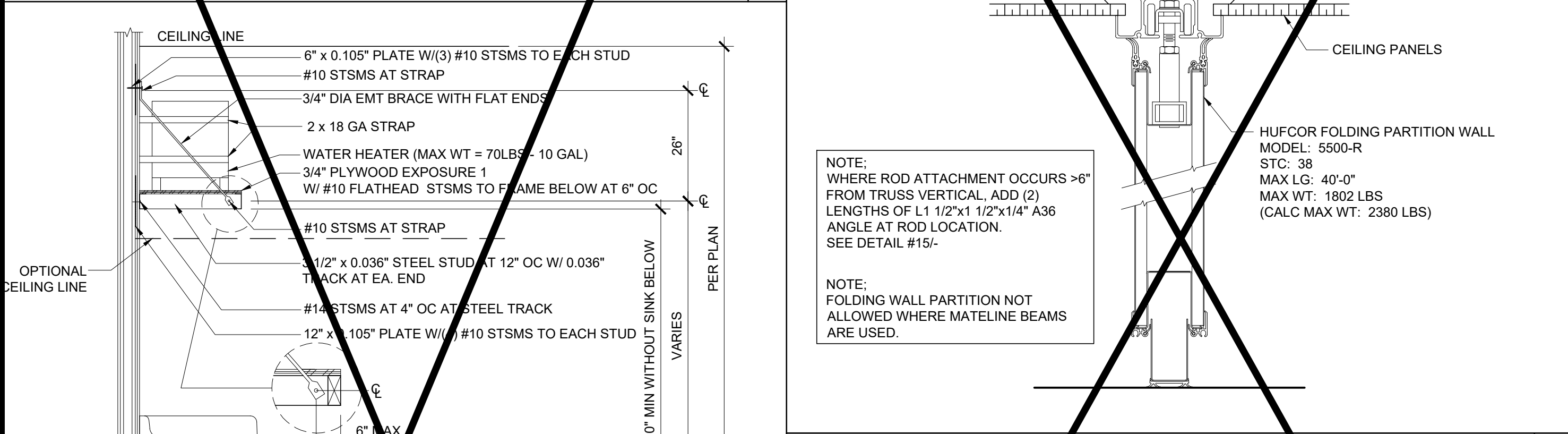
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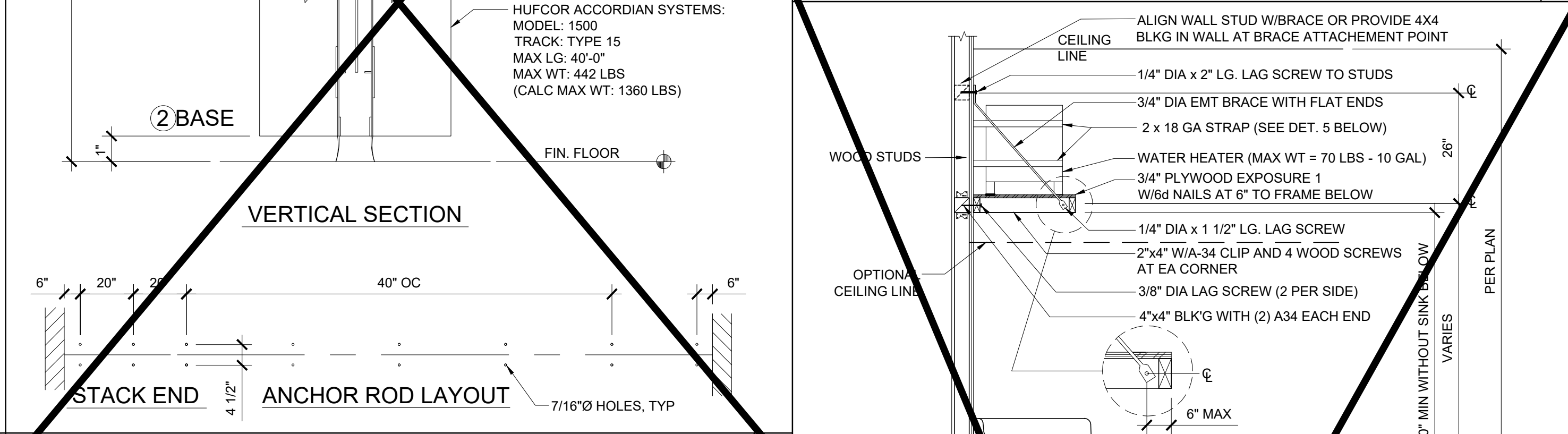
HVAC BARRIER - OPT. D.F. BARRIER AT STEEL STUD SCALE : 1" = 1'-0" 17



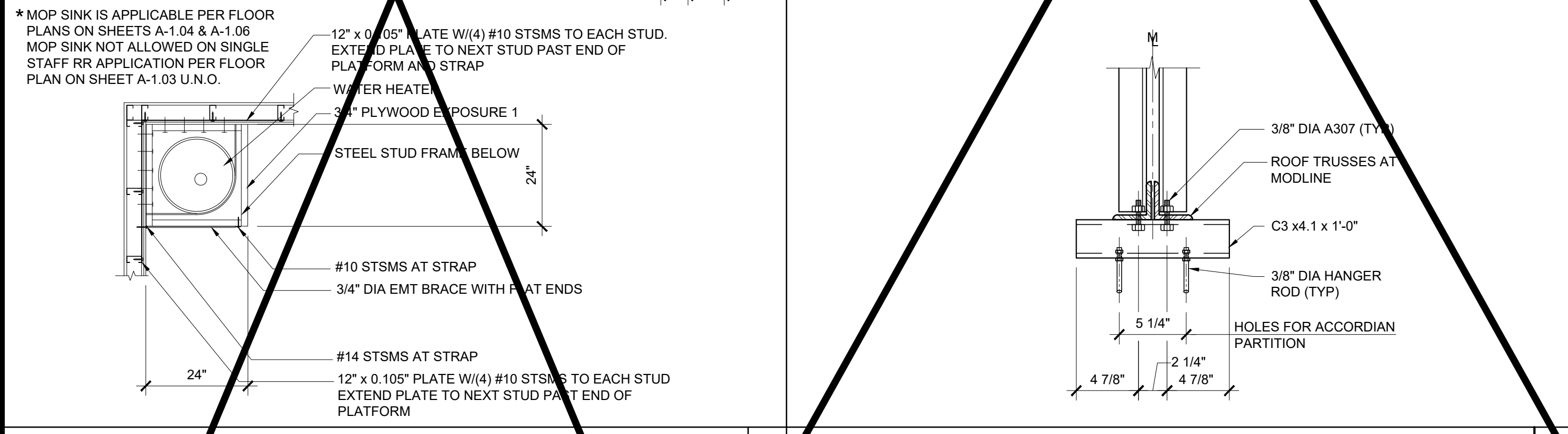
HVAC BARRIER - OPT. D.F. BARRIER AT WOOD STUD SCALE : 1" = 1'-0" 2



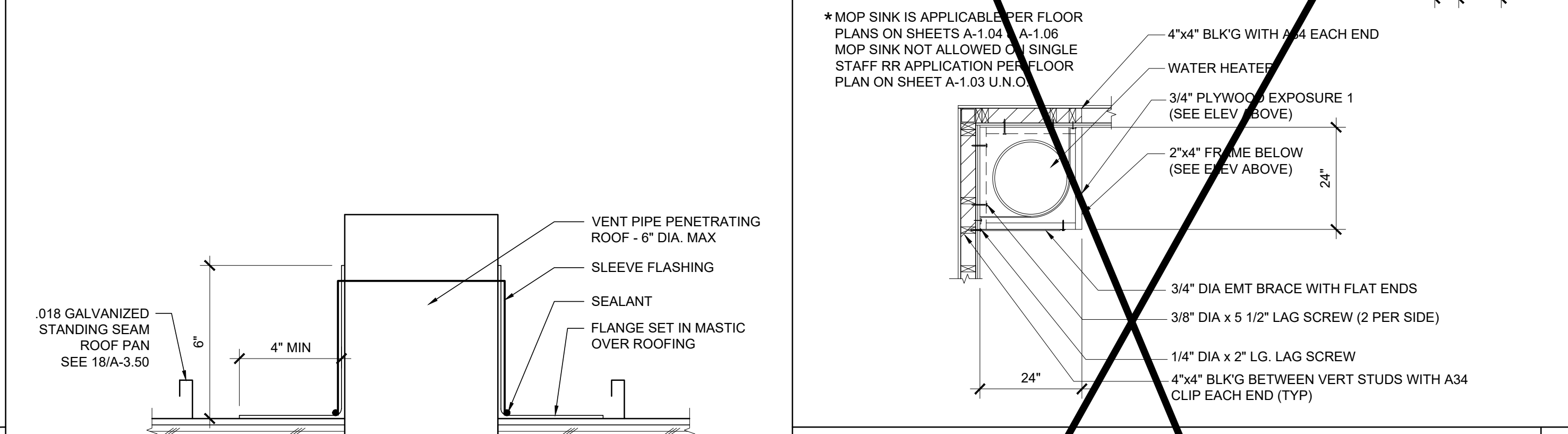
FOLDING WALL PARTITION ATTACH @ TOP UNIT SCALE : 3" = 1'-0" 13



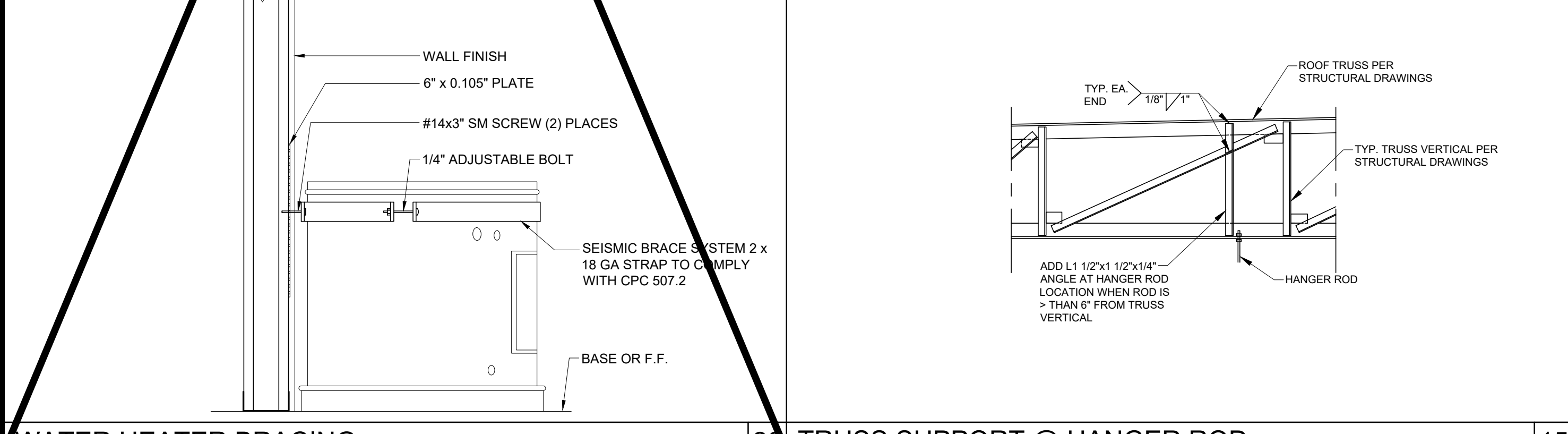
ACCORDION PARTITION ATTACHMENT SCALE : 3" = 1'-0" 8



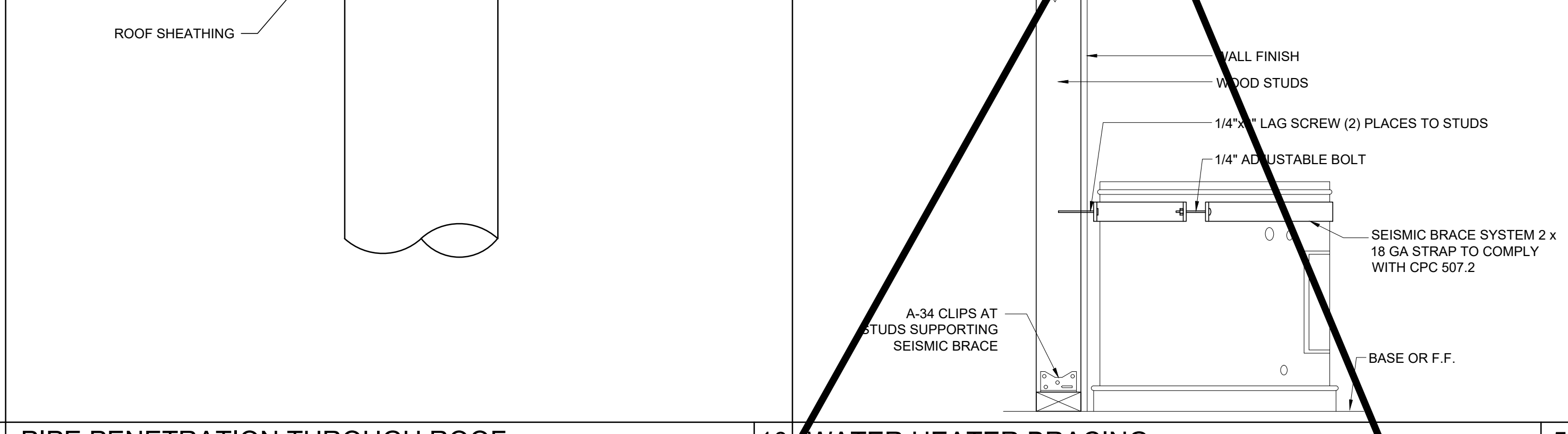
WATER HEATER SHELF AT STEEL STUD SCALE : 1/2" = 1'-0" 19



WATER HEATER SHELF AT WOOD STUD SCALE : 1/2" = 1'-0" 4



WATER HEATER BRACING AT STEEL STUD SCALE : 1 1/2" = 1'-0" 20



WATER HEATER BRACING AT WOOD STUD SCALE : 1 1/2" = 1'-0" 5

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MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

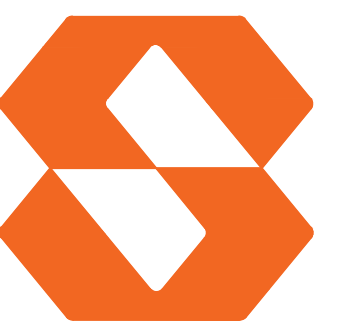
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

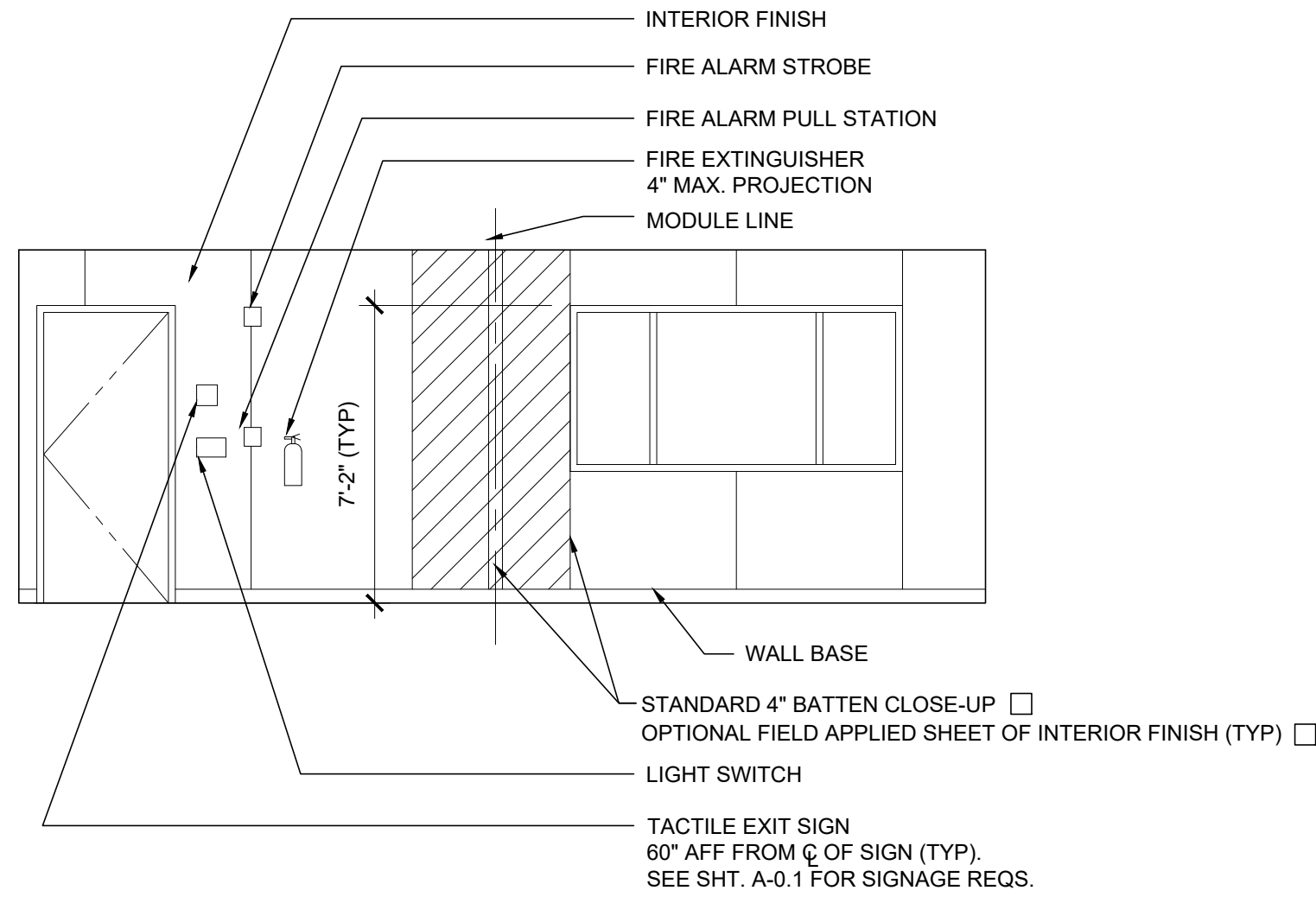
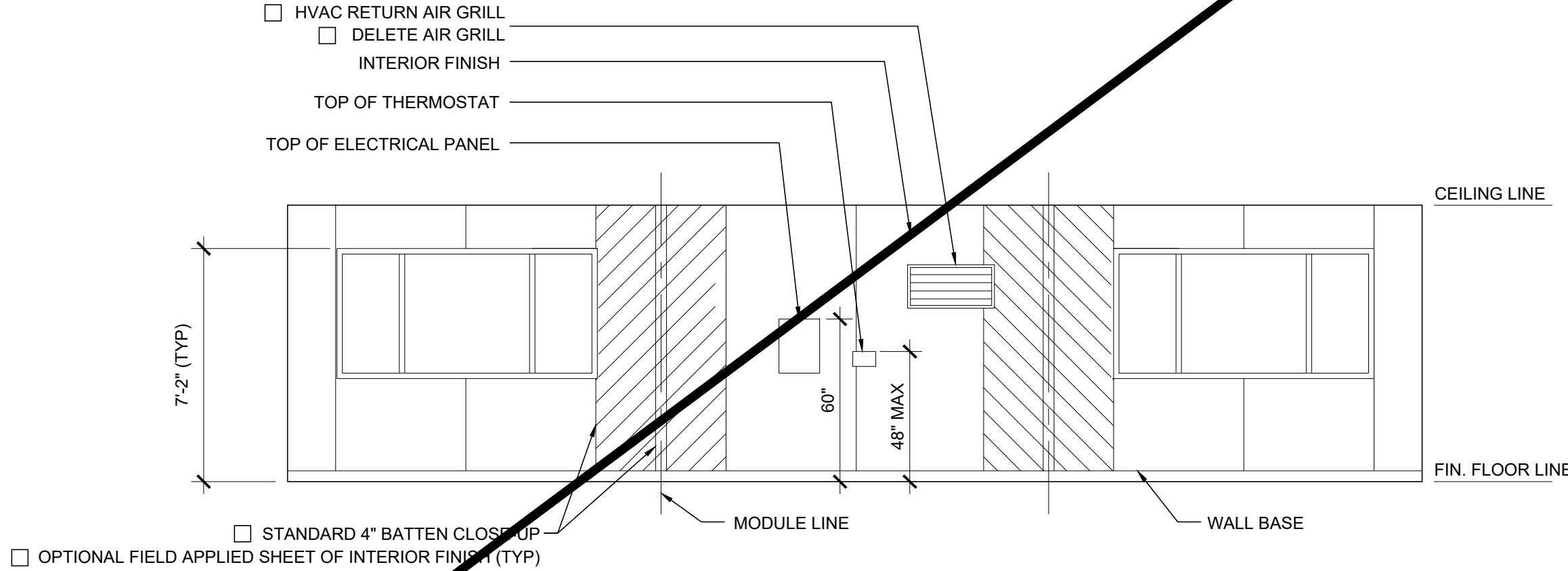
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.81



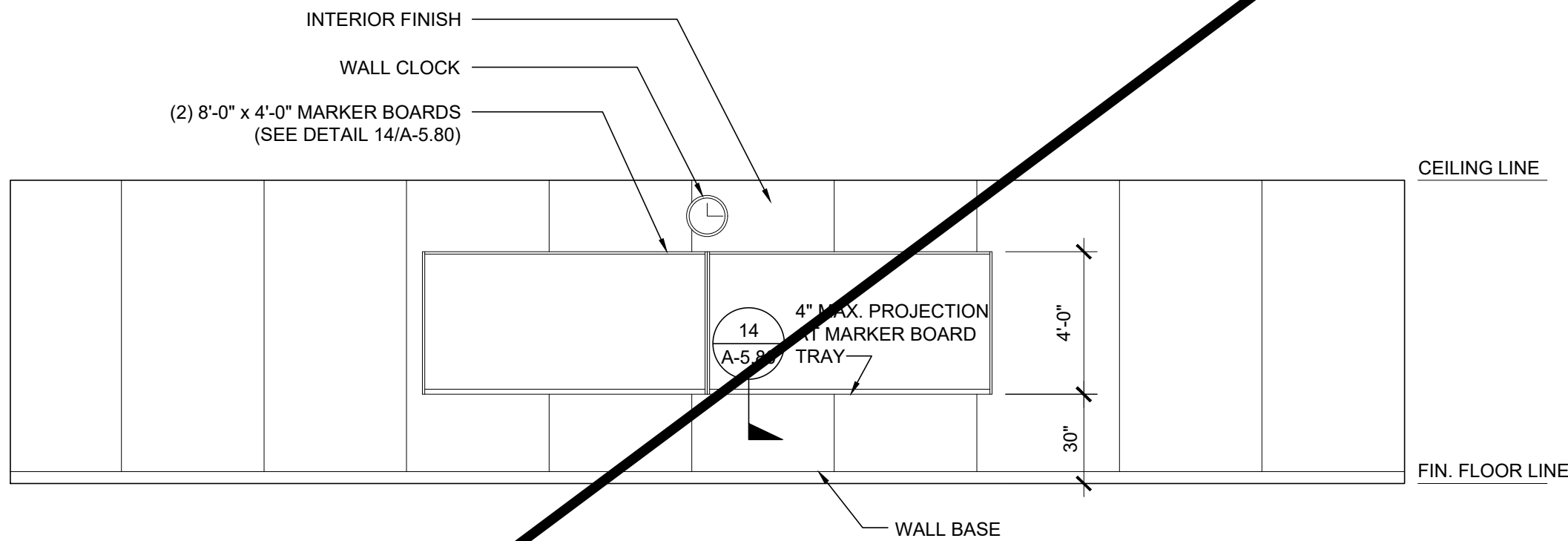
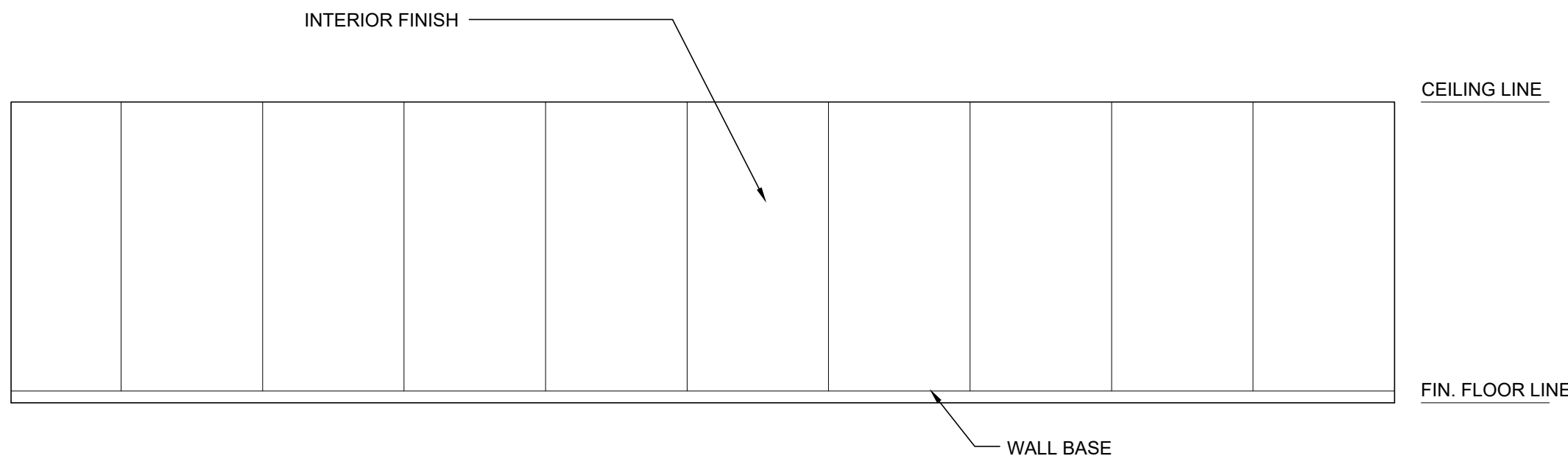
FRONT ELEVATION

REAR ELEVATION

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

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

1



SIDE ELEVATION

SIDE ELEVATION

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

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

2

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S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

INTERIOR ELEVATION
36' x 40'

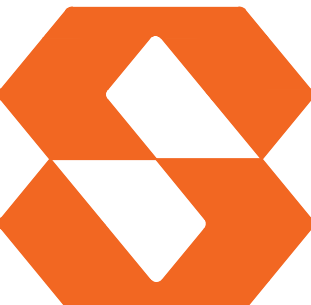
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2
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4
5

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Silver Creek

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PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

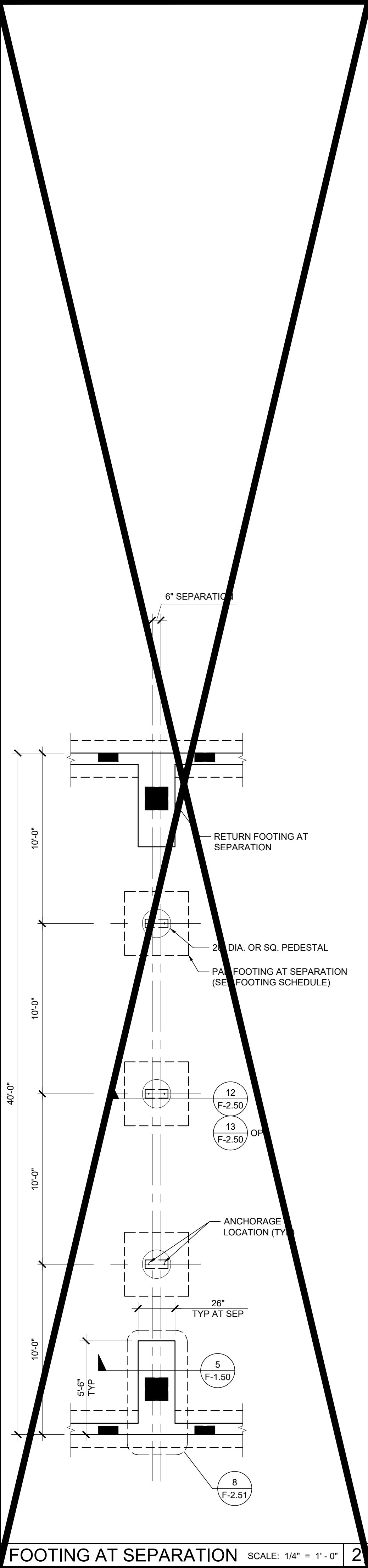
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SCALE: AS NOTED

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P.C. SHEET NUMBER

A-6.02



FOOTING AT SEPARATION SCALE: 1/4" = 1'-0" 2 FOUNDATION PLAN

- ANCHORAGE NOTES:
- ANCHOR PLATES SHALL BE PLACED SUCH THAT THE FOLLOWING MINIMUM CRITERIA ARE MET:
 - ONE (1) LARGE ANCHOR PLATE AT EA. END OF EVERY MATE LINE.
 - ONE (1) ANCHOR PLATE WITHIN 35" OF OVERALL BUILDING CORNERS IN EA DIRECTION. (TWO PER MODULE ALONG EACH END WALL)
 - THREE (3) ANCHOR PLATES ALONG EACH SIDE WALL
 - SIDE WALL PLATES SHALL BE PLACED IN THE CORNER (AS NOTED ABOVE) WITH A 3RD PLATE AS CLOSE THE MIDSPAN AS IS POSSIBLE (PLATE LOCATION MAY BE ADJUSTED TO AVOID VENT/ACCESS OPENINGS).
 - ANCHOR PLATES WITHIN 21" OF AN OPENING SHALL BE REINFORCED WITH HAIRPINS PER 18/F-2.51.

NOTES

- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
- 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
4'-0" MAXIMUM VENT SIZE AT END WALLS
3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER
2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
- CRAWLSPACE VAPOR RETARDERS (WHERE OCCURS):

THE TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1202.4.1.2.
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHYLENE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS. SEE DETAIL 11/F-2.51.
- SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
- PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION. THEN THE DISTRICT AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF THE COST INCREASE.
- WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.
- A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICAL FOUNDATION WALL. THE JOINT SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" DEEP) AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLACED PRIOR TO THE PLACEMENT OF CONCRETE.

VENTING SCHEDULE

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION
VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION
VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION
ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

☐ 24' x 40' BUILDING: 24' x 40' = 960 SF / 150 = 6.4 SF VENT. REQ'D D C 23'-10 1/4" 2 - "C" VENT = 3.18 SF 1 - "D" ACCESS VENT = 4.25 SF 7.43 SF TOTAL VENTILATION (> 6.4 SF)	☒ 36' x 40' BUILDING: 36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D D B 35'-8 1/2" 1 - "A" VENT = 3.26 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 9.94 SF TOTAL VENTILATION (> 9.6 SF)
☐ 48' x 40' BUILDING: 48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D D C 47'-8 3/4" 1 - "A" VENT = 3.26 SF 2 - "B" VENT = 4.86 SF 1 - "C" VENT = 1.59 SF 1 - "D" ACCESS VENT = 4.25 SF 13.96 SF TOTAL VENTILATION (> 12.8 SF)	☐ 60' x 40' BUILDING: 60' x 40' = 2400 SF / 150 = 16 SF VENT. REQ'D D B 59'-8" 3 - "A" VENT = 9.78 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 16.46 SF TOTAL VENTILATION (> 16 SF)
☐ 72' x 40' BUILDING: 72' x 40' = 2880 SF / 150 = 19.2 SF VENT. REQ'D D A 71'-7 1/4" 4 - "A" VENT = 13.04 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 19.72 SF TOTAL VENTILATION (> 19.2 SF)	☐ 84' x 40' BUILDING: 84' x 40' = 3360 SF / 150 = 22.4 SF VENT. REQ'D D A 83'-6 1/2" 5 - "A" VENT = 16.30 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 22.98 SF TOTAL VENTILATION (> 22.4 SF)
☐ 96' x 40' BUILDING: 96' x 40' = 3840 SF / 150 = 25.6 SF VENT. REQ'D D A 95'-5 3/4" 6 - "A" VENT = 19.56 SF 2 - "C" VENT = 3.18 SF 1 - "D" ACCESS VENT = 4.25 SF 26.99 SF TOTAL VENTILATION (> 25.6 SF)	☐ 108' x 40' BUILDING: 108' x 40' = 4320 SF / 150 = 28.8 SF VENT. REQ'D D A 107'-5" 4 - "A" VENT = 13.04 SF 2 - "B" VENT = 4.86 SF 5 - "C" VENT = 7.95 SF 1 - "D" ACCESS VENT = 4.25 SF 30.10 SF TOTAL VENTILATION (> 28.8 SF)
☐ 120' x 40' BUILDING: 120' x 40' = 4800 SF / 150 = 32 SF VENT. REQ'D D A 119'-4 1/4" 6 - "A" VENT = 19.56 SF 6 - "C" VENT = 9.54 SF 1 - "D" ACCESS VENT = 4.25 SF 33.35 SF TOTAL VENTILATION (> 32 SF)	

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
☐ 50 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
☒ 50 + 15 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
☐ 100 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-6" SQ (3) #5 EW	4'-5" SQ (4) #5 EW
☐ 150 PSF	16" WIDE (2) #5 CONT T&B	20" WIDE (3) #5 CONT T&B	4'-2" SQ (4) #5 EW	5'-0" SQ (5) #5 EW

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MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CONCRETE
FOUNDATION PLAN
BELOW GRADE
CONCRETE FLOOR

REVISIONS

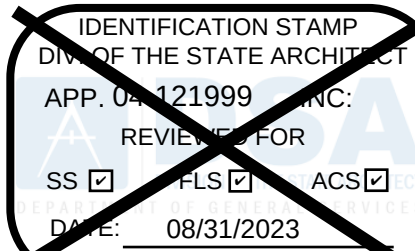
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PRE-CHECK (PC) DOCUMENT

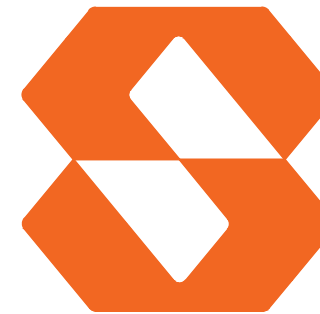
CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION

FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

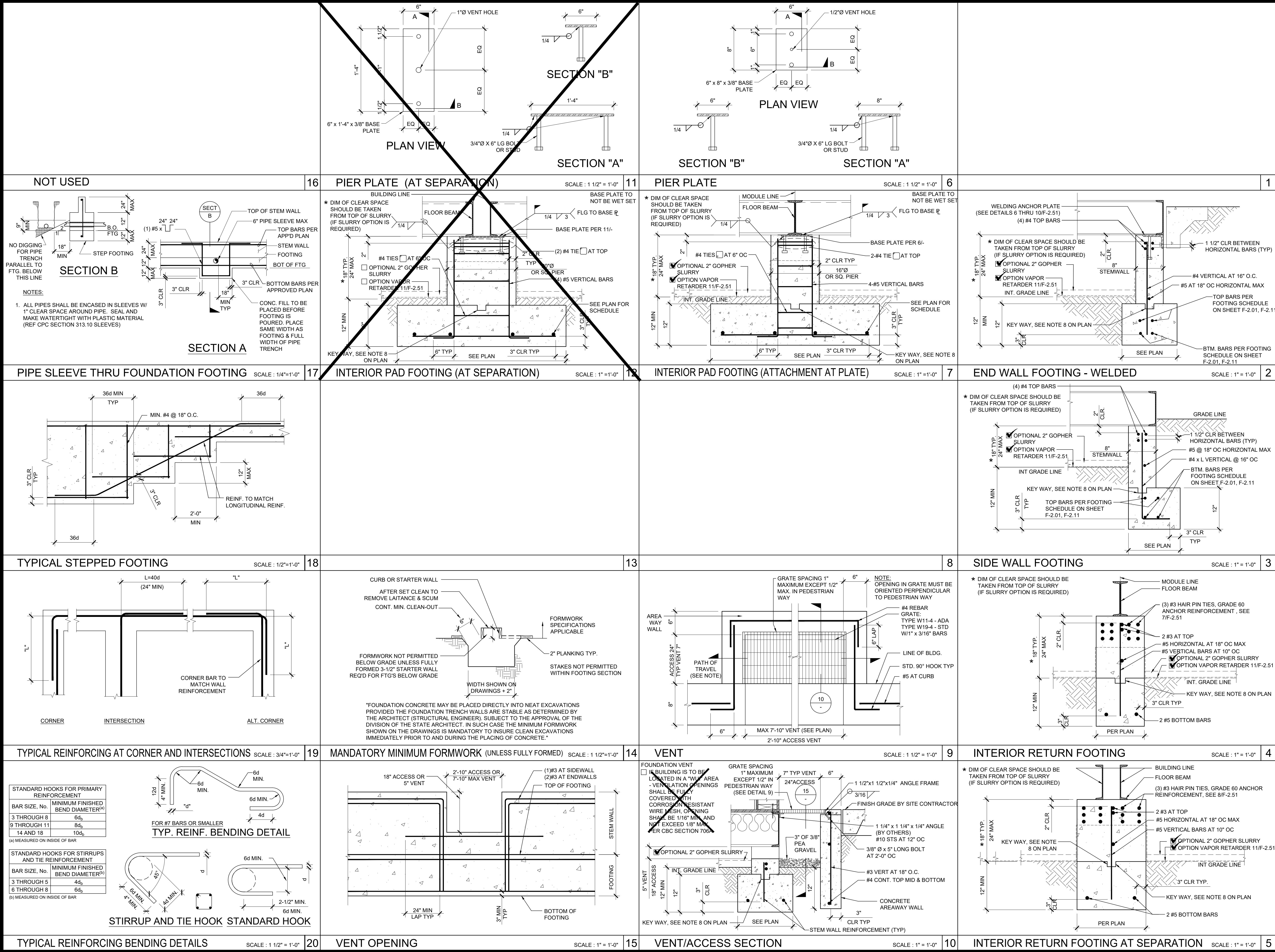
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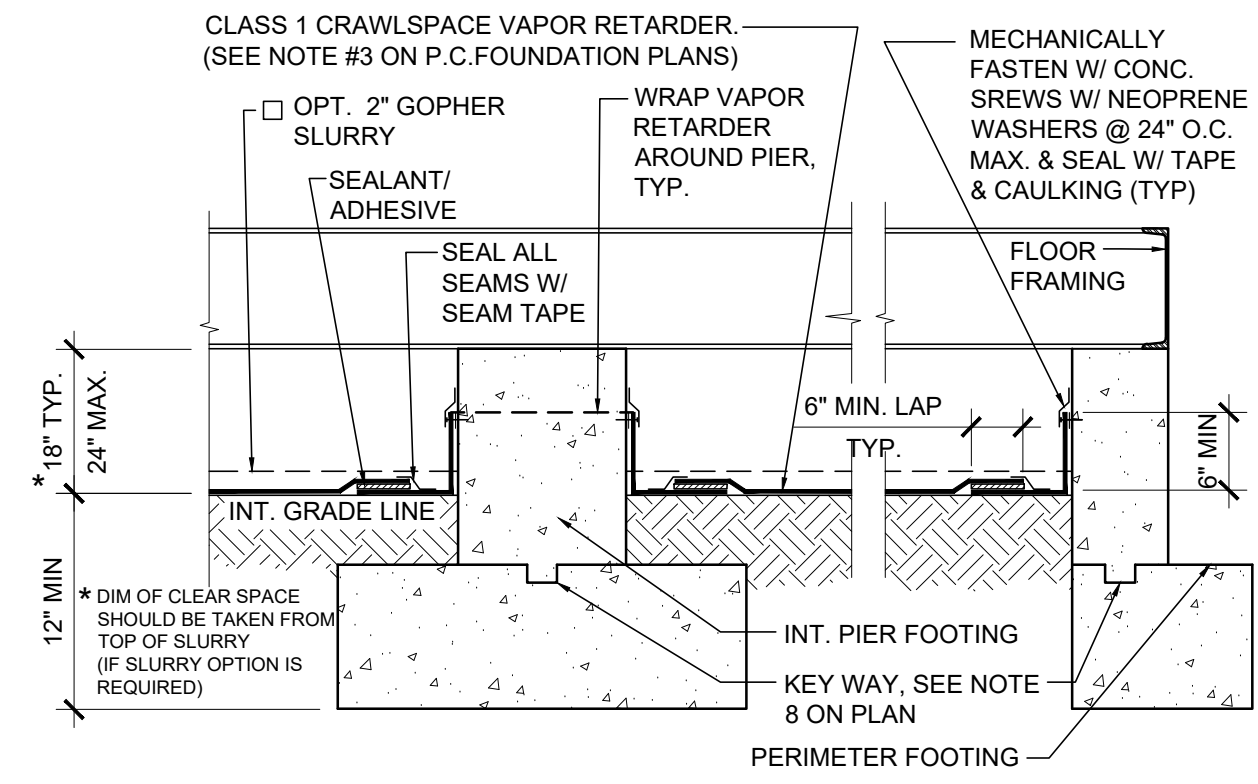
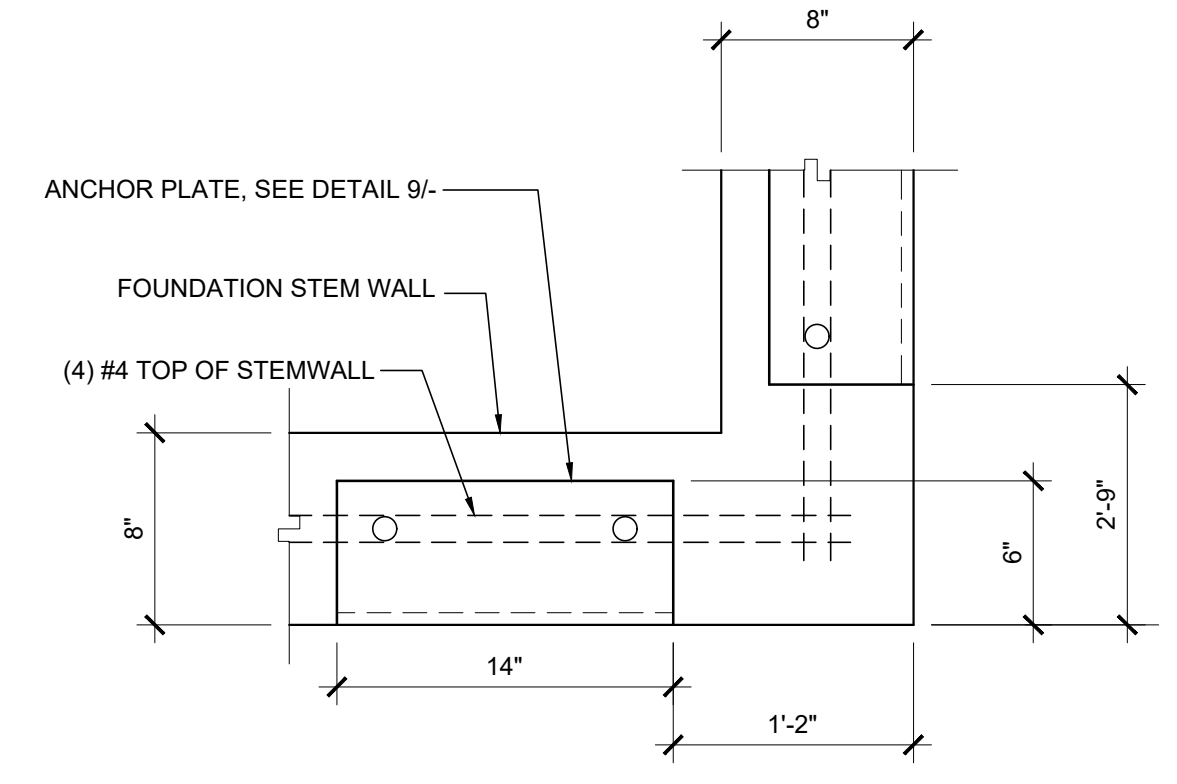
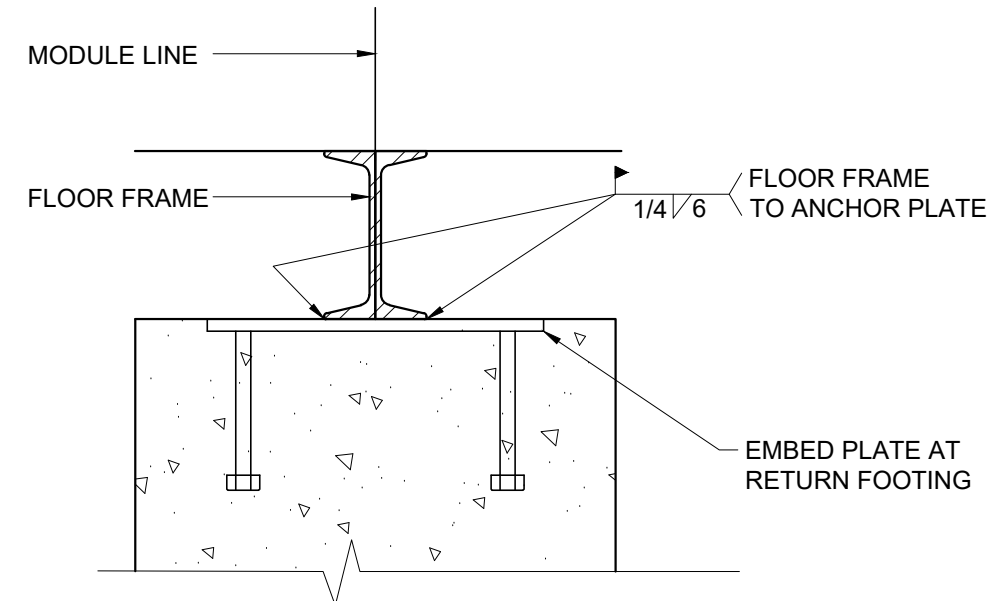
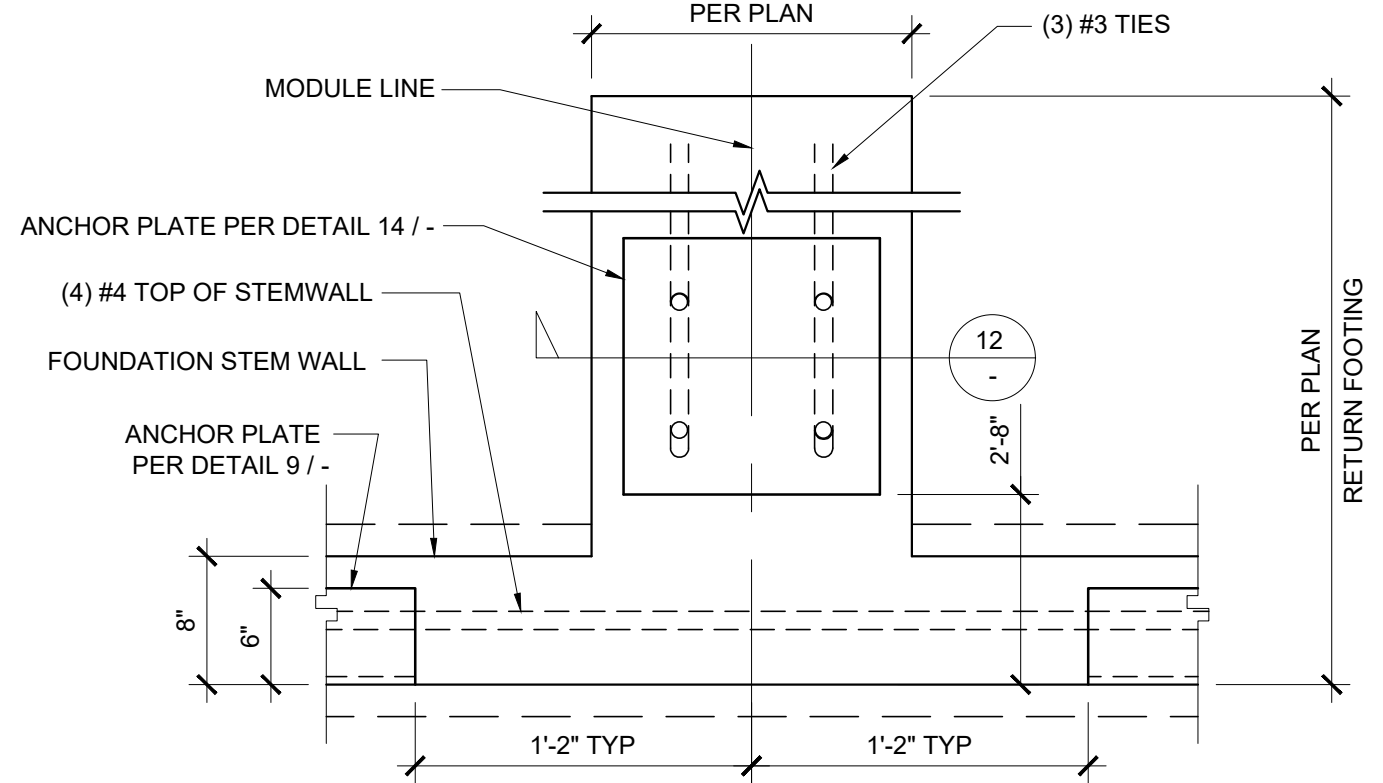
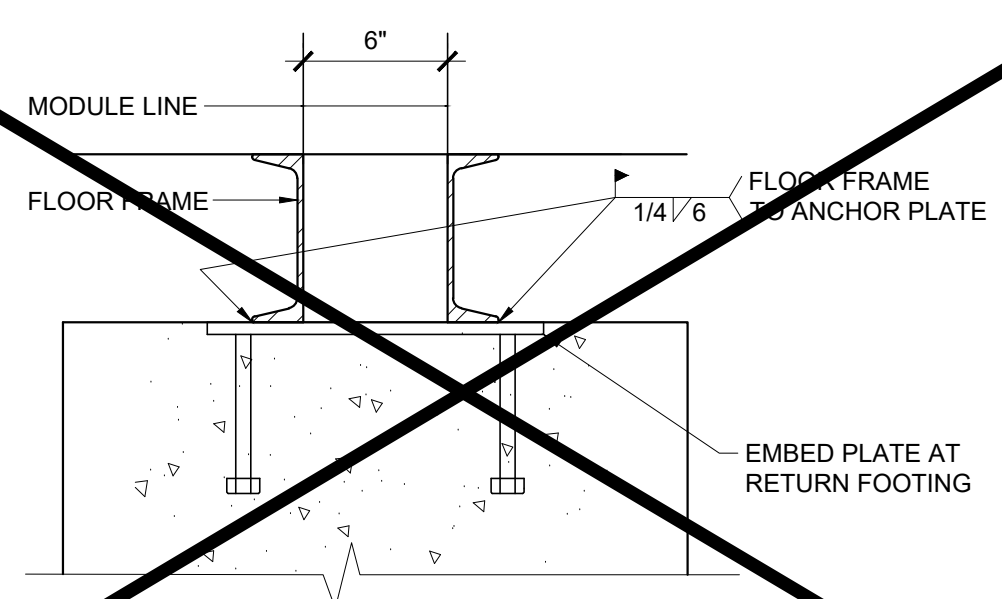
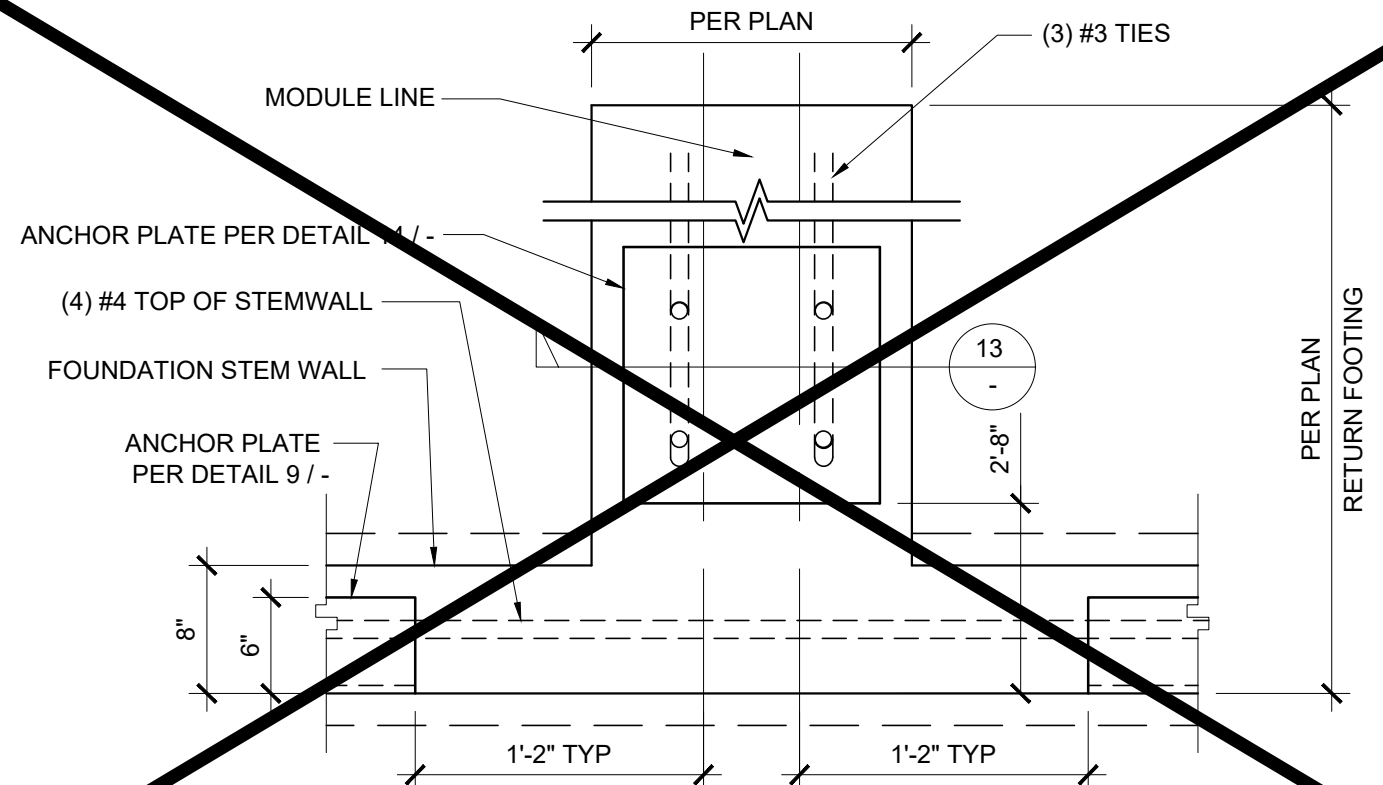
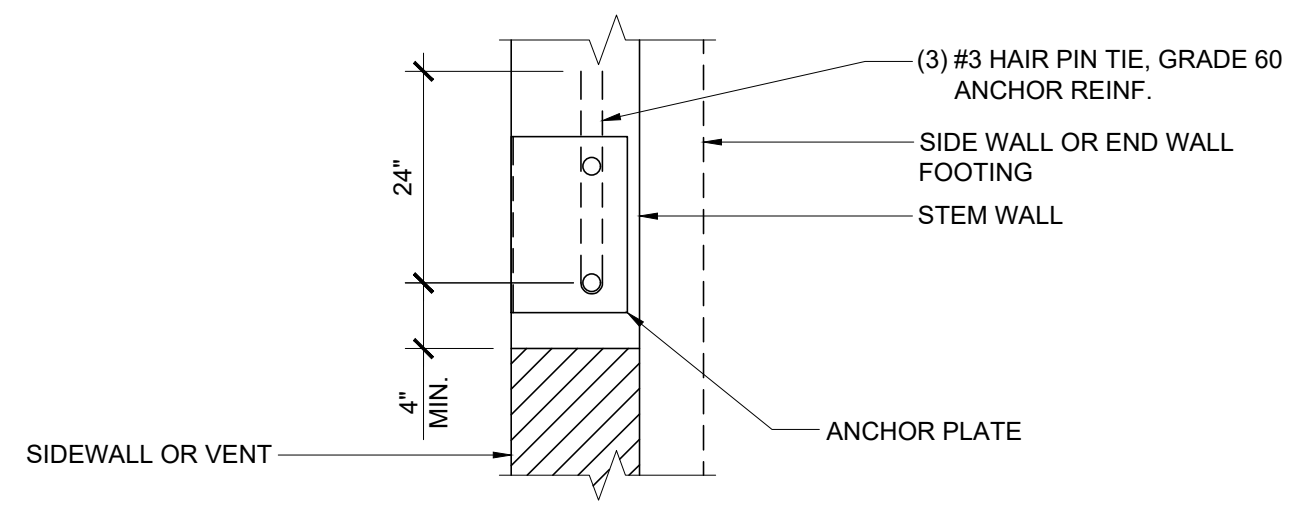
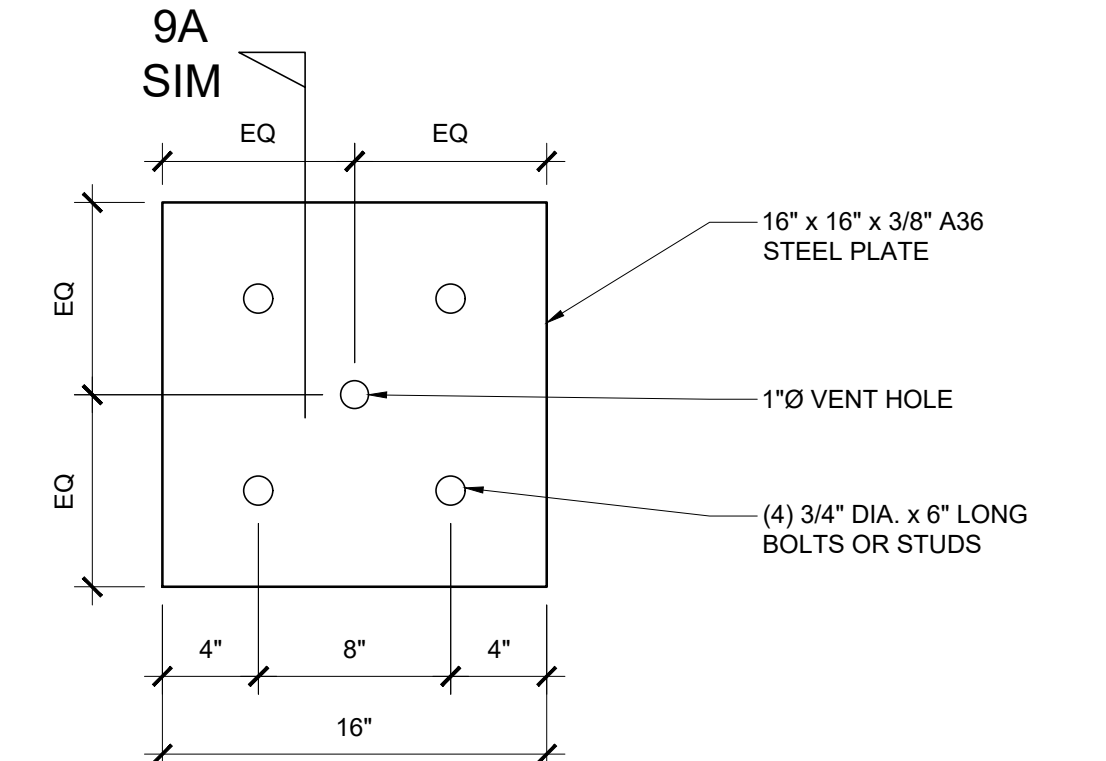
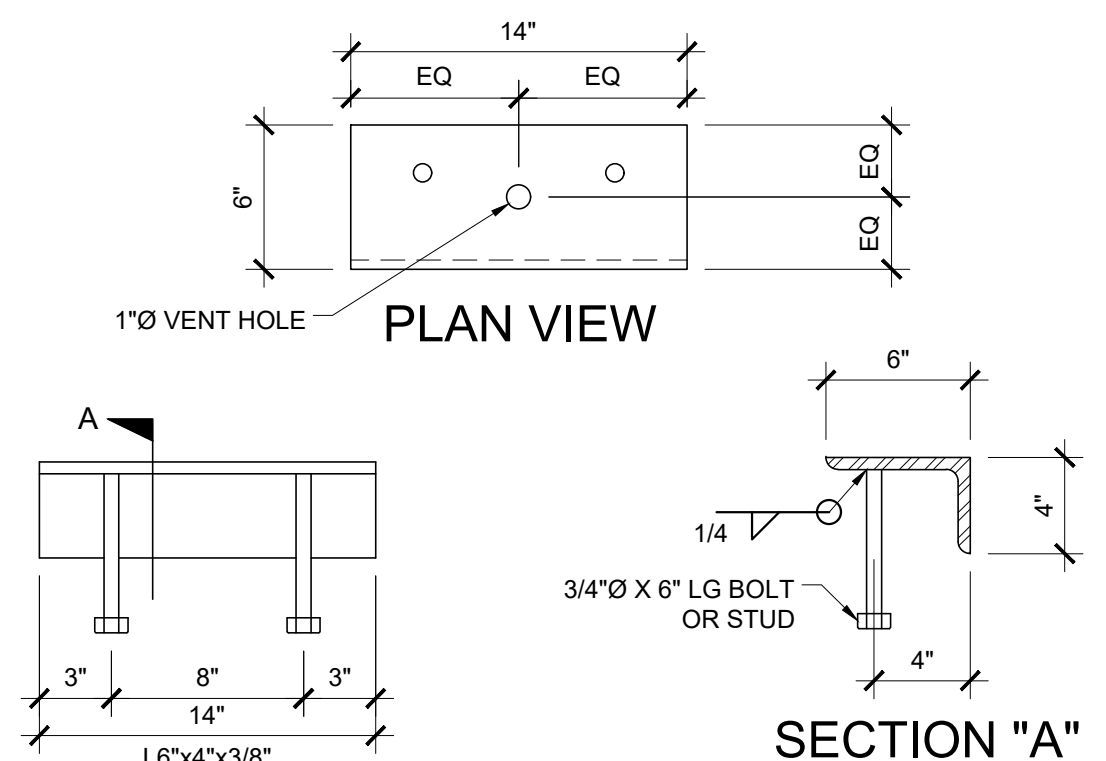
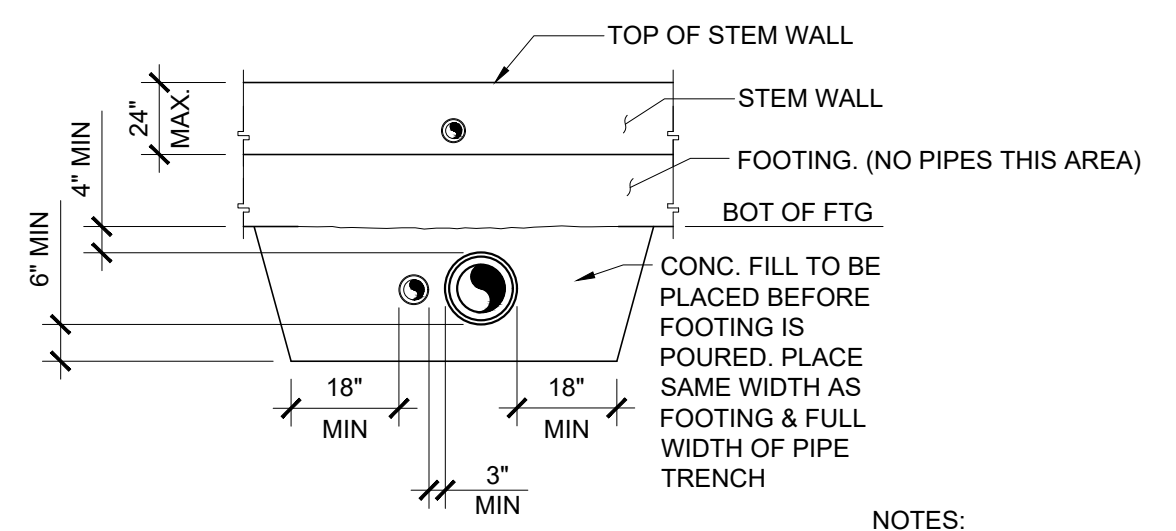
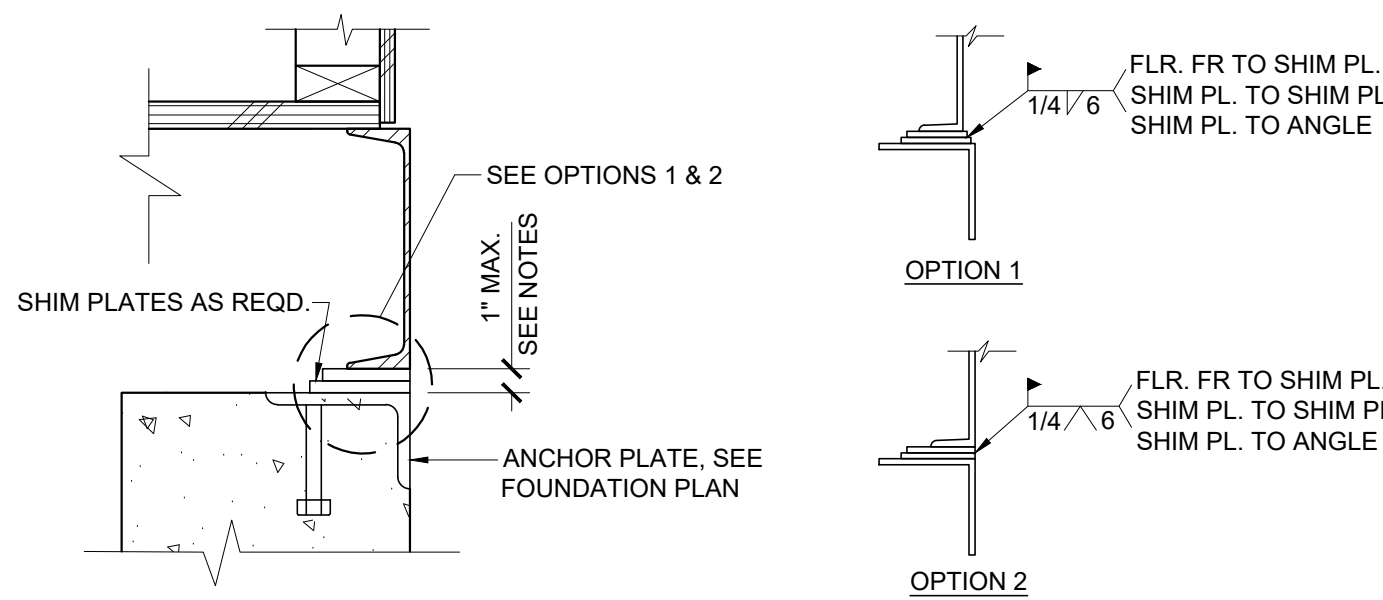
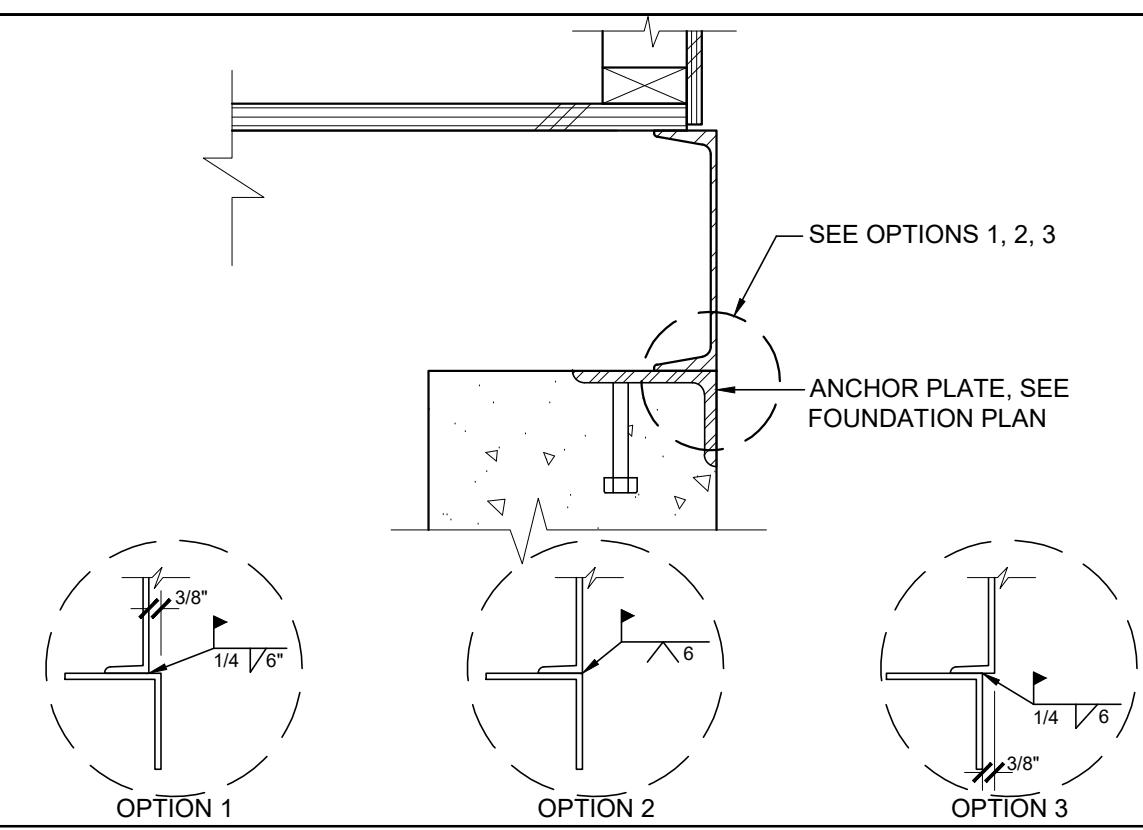
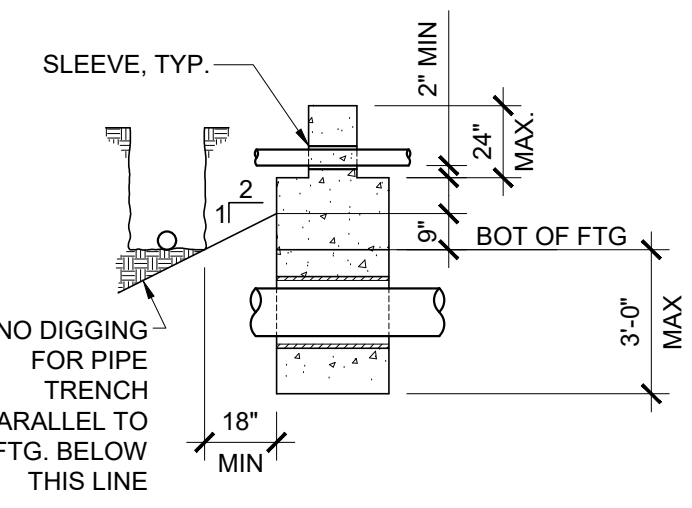
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-2.11



							
NOT USED	16	CRAWL SPACE VAPOR RETARDER SCALE: 3/4" = 1'-0"	11	ANCHOR PLATE AT CORNER SCALE: 1 1/2" = 1'-0"	6	NOT USED	1
							
NOT USED	17	EMBED WELDING AT RETURN FOOTING SCALE: 1 1/2" = 1'-0"	12	ANCHOR PLATE AT MODULE LINE SCALE: 1" = 1'-0"	7	NOT USED	2
							
	18	EMBED WELDING AT SEPERATION SCALE: 1 1/2" = 1'-0"	13	ANCHOR PLATE AT SEPARATION SCALE: 1" = 1'-0"	8	NOT USED	3
						 <p>NOTES:</p> <ol style="list-style-type: none"> ALL PIPES SHALL BE ENCASED IN SLEEVES W/ 1" CLEAR SPACE AROUND PIPE. SEAL AND MAKE WATERTIGHT WITH PLASTIC MATERIAL (REF CPC SECTION 313.10 SLEEVES) IF PIPE IS IN PLACE PRIOR TO POURING CONCRETE, WRAP PIPE WITH 1" GLASS WOOL OR POLYSTYRENE TAPE BEFORE POURING CONCRETE IN LIEU OF SLEEVES 	
ANCHOR PLATE AT SIDEWALL OR ENDWALL @ VENT	19	LARGE EMBEDDED PLATE DETAIL SCALE: N.T.S.	14	WELD ANGLE DETAIL SCALE: 1 1/2" = 1'-0"	9		
		 <p>NOTES:</p> <p>SHIM PLATE MAY BE SINGLE PLATE OR COMBINATION OF MULTIPLE PLATES. MIN SHIM THICKNESS IS 1/4". MAX. SHIM HEIGHT IS 1". GAPS UP TO 1/4" DO NOT REQ. SHIM PLATE.</p>					
NOT USED	20	FOUNDATION WELDING W/ SHIM PLATES	15	FOUNDATION - WELDED SCALE: 1 1/2" = 1'-0"	10	PIPE SLEEVE DETAIL SCALE: 1/4" = 1'-0"	5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

FOUNDATION
DETAILS
CONCRETE

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVIEW FOR:
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-2.51



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

1. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE

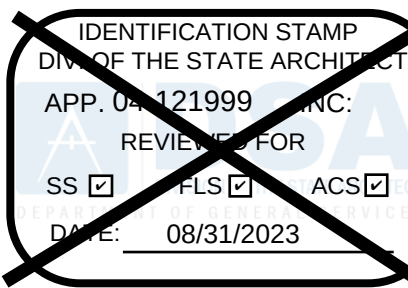
FLOOR FRAMING PLAN
CONCRETE FLOOR

REVISIONS

- 1.
- 2.
- 3.
- 4.
- 5.

PRE-CHECK (PC) DOCUMENT
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Silver Creek

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO

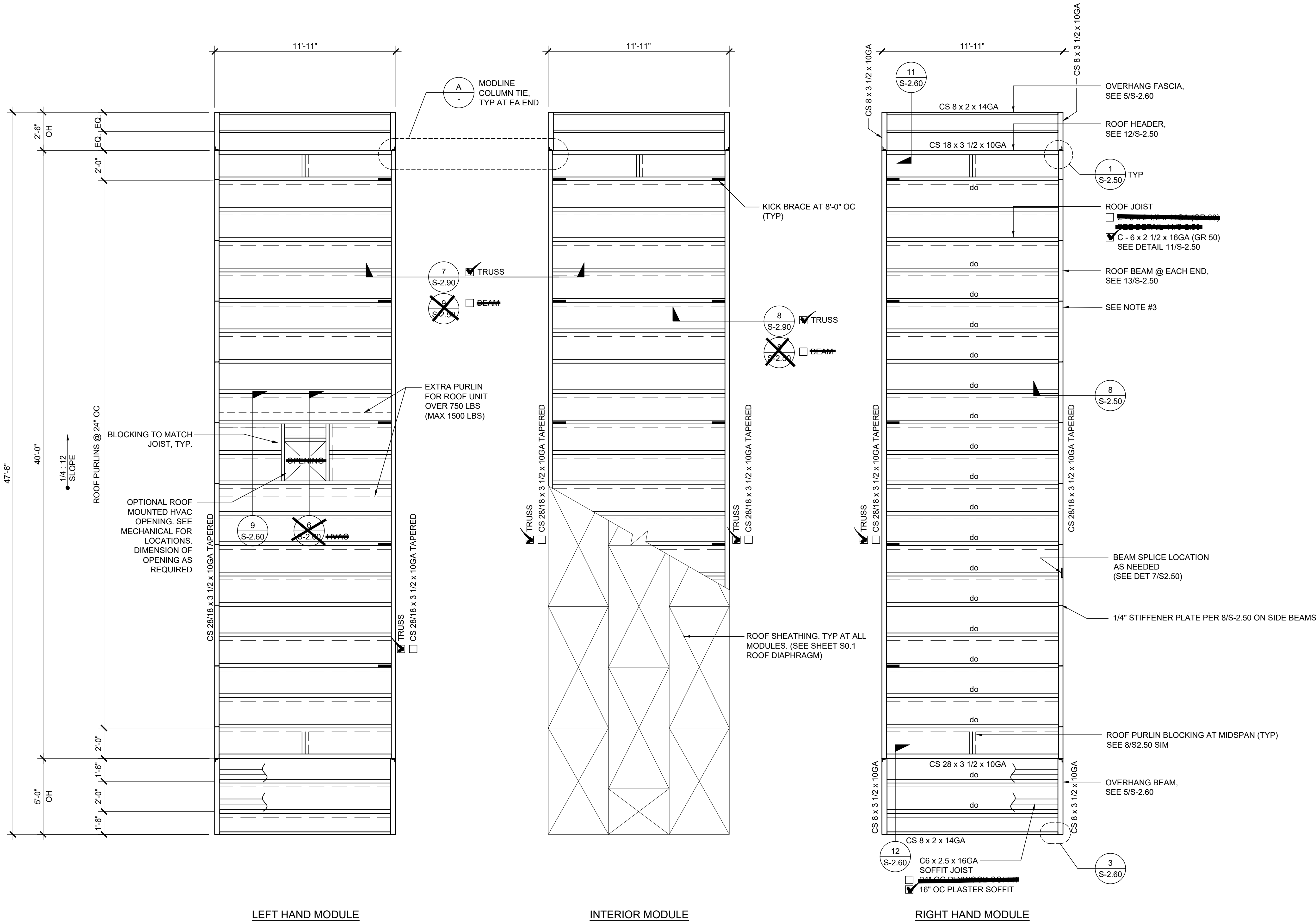
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.11



NOTES

- FOR WALL MOUNTED HVAC UNIT. PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5,15 / S-2.50 OR 5,15/S-2.51 FOR DETAILS
- PROVIDE ADDITIONAL JOIST FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S-2.50 OR 14 / S-2.51 DETAILS.
- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

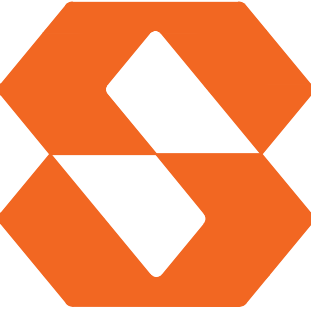
**ROOF FRAMING PLAN
MONO SLOPE**

REVISIONS
1
2
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DATE: 08/31/2023

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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARK
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

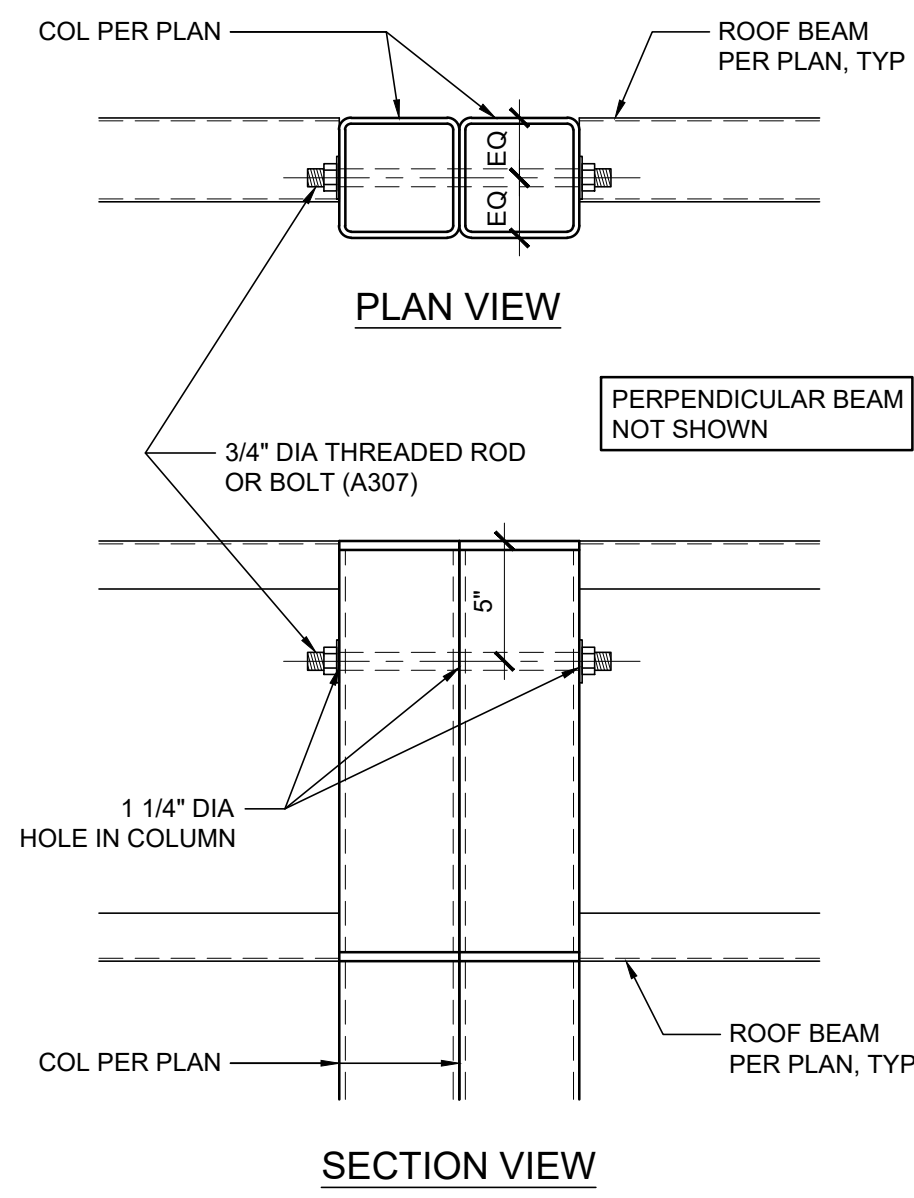
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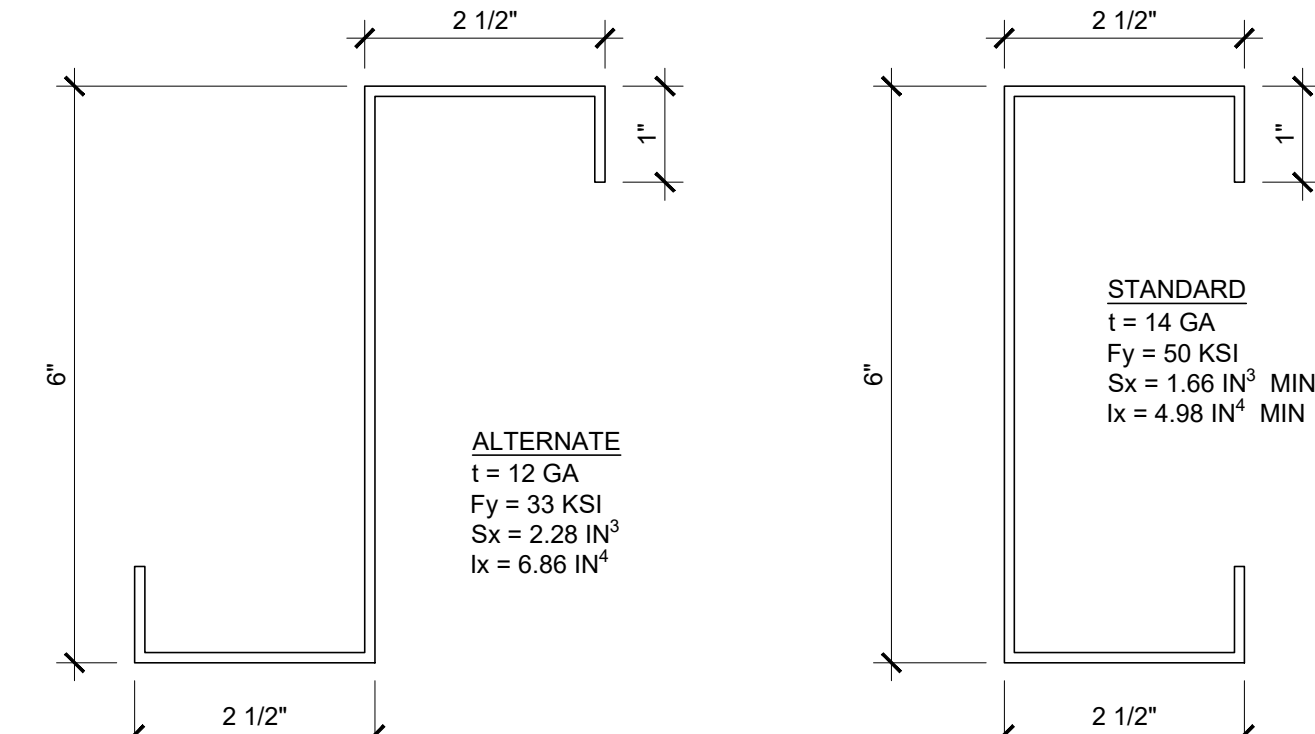
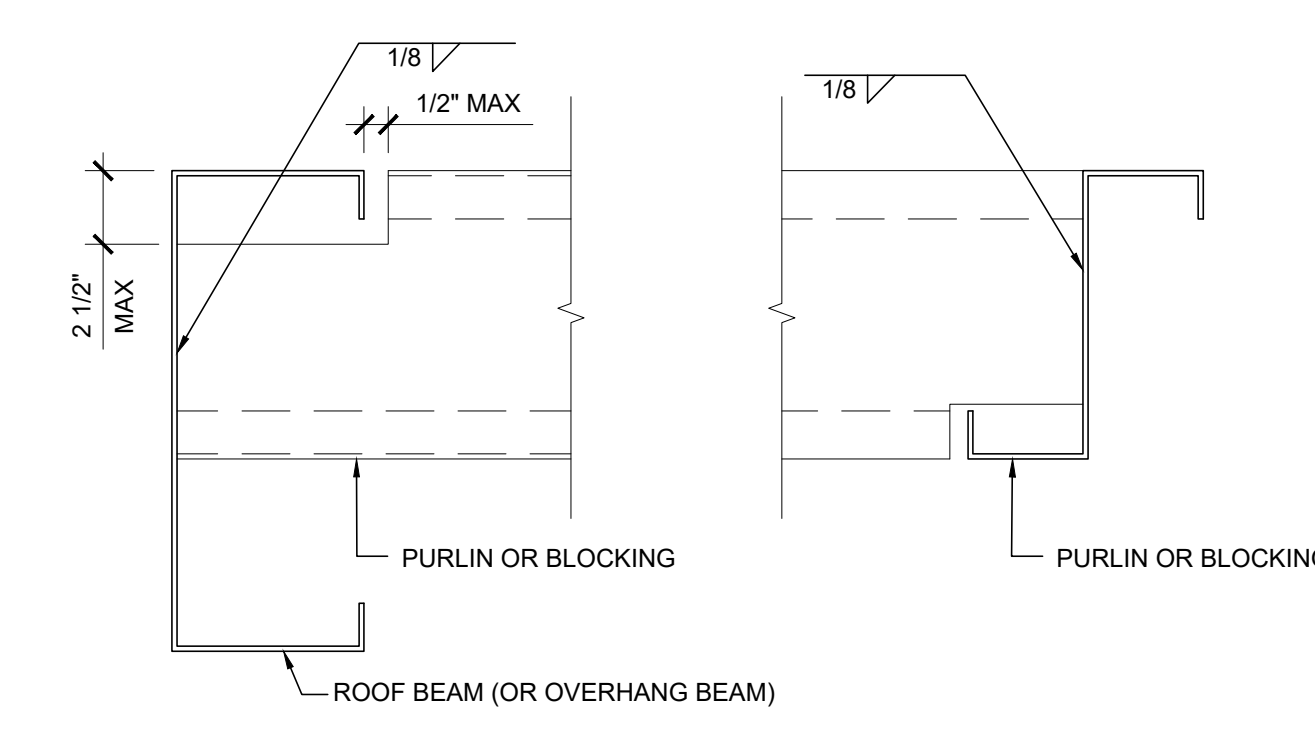
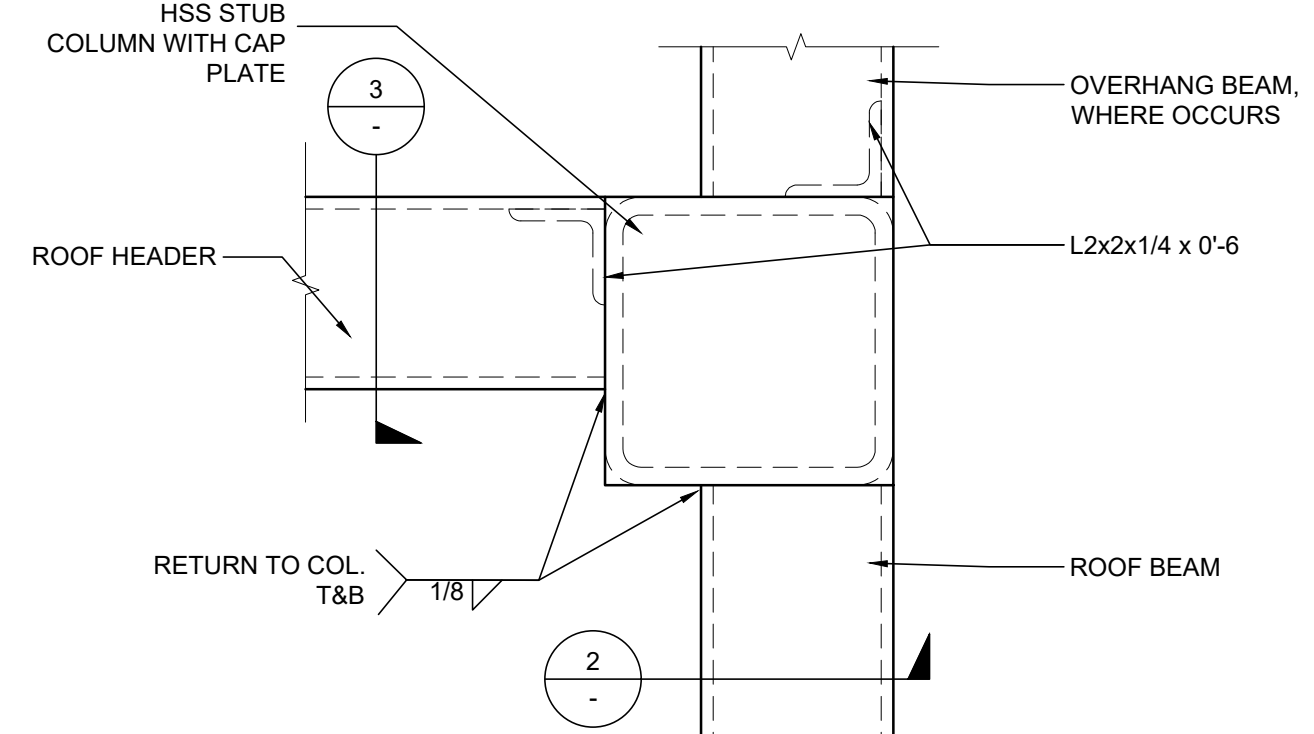
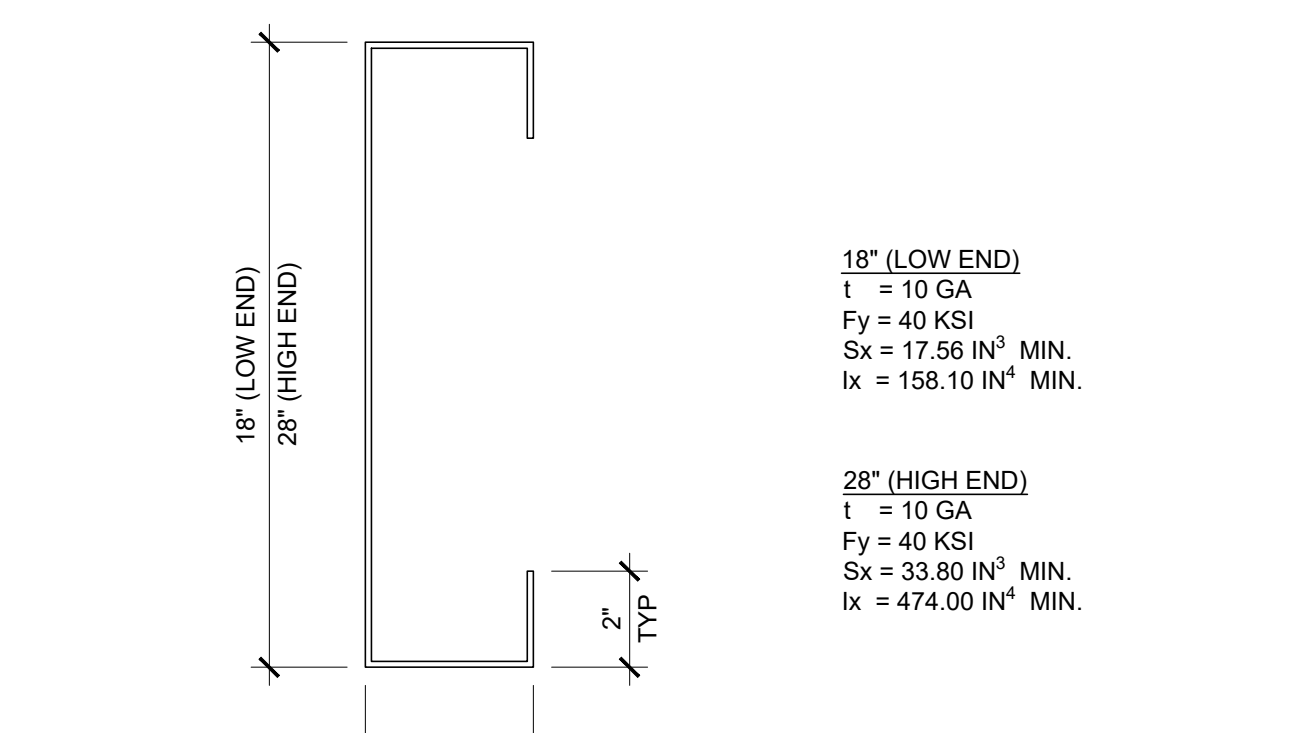
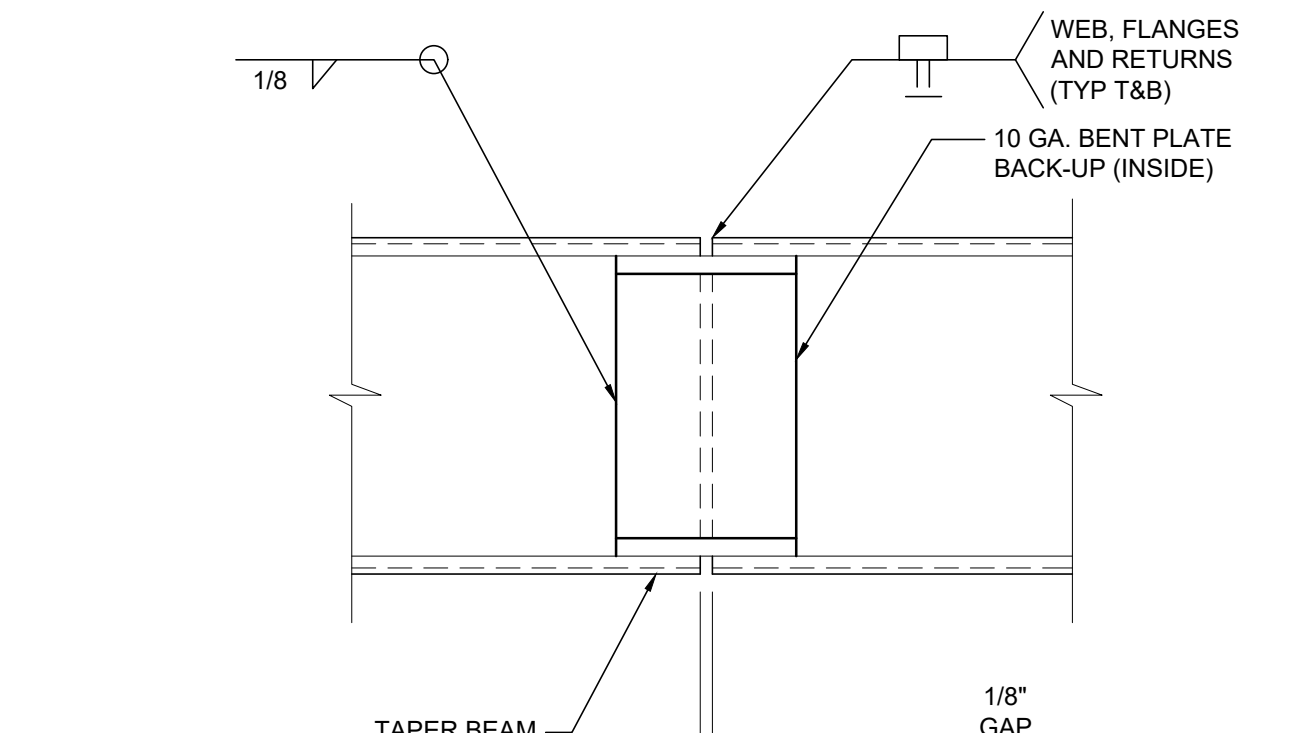
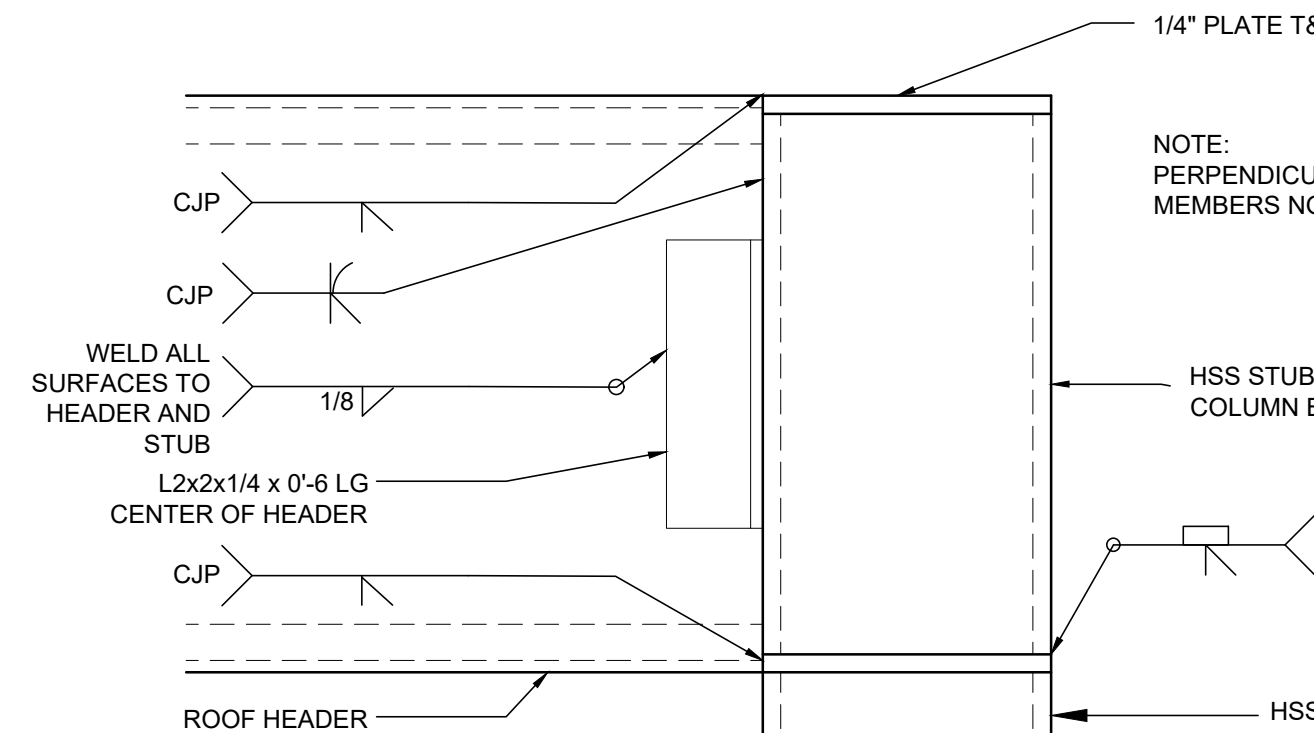
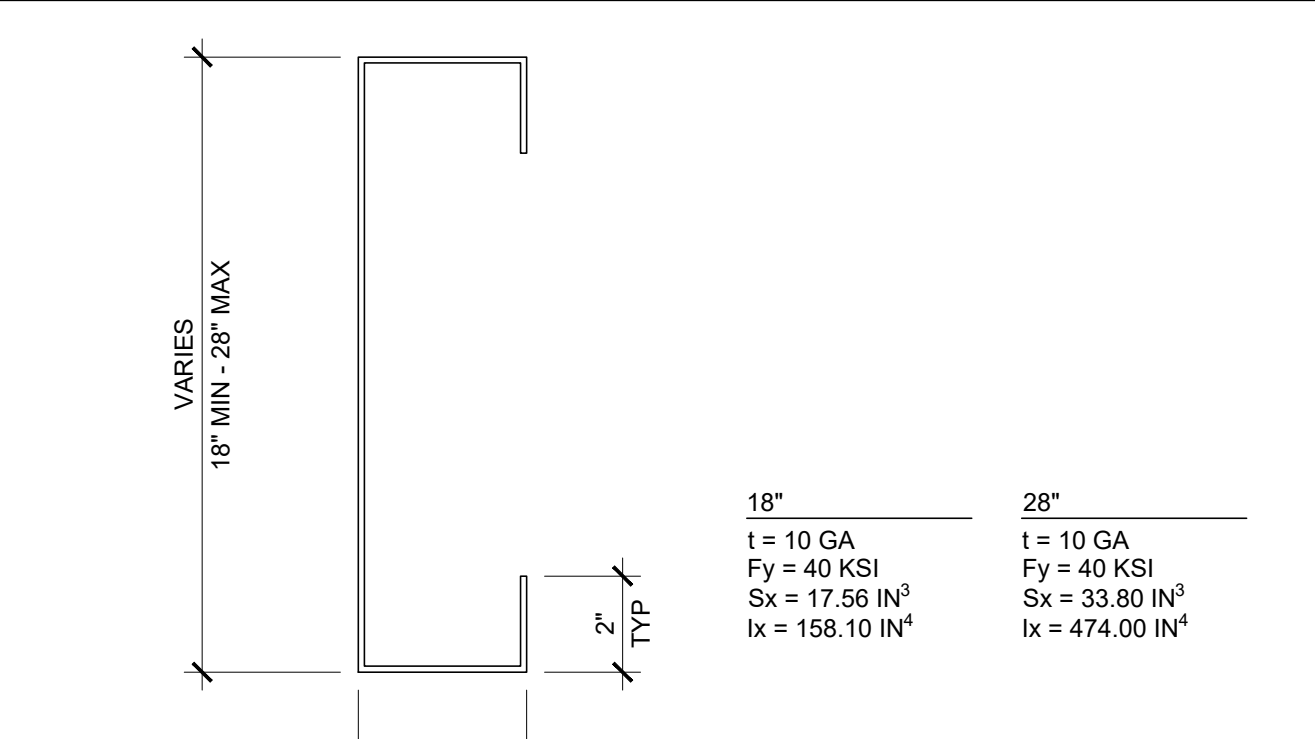
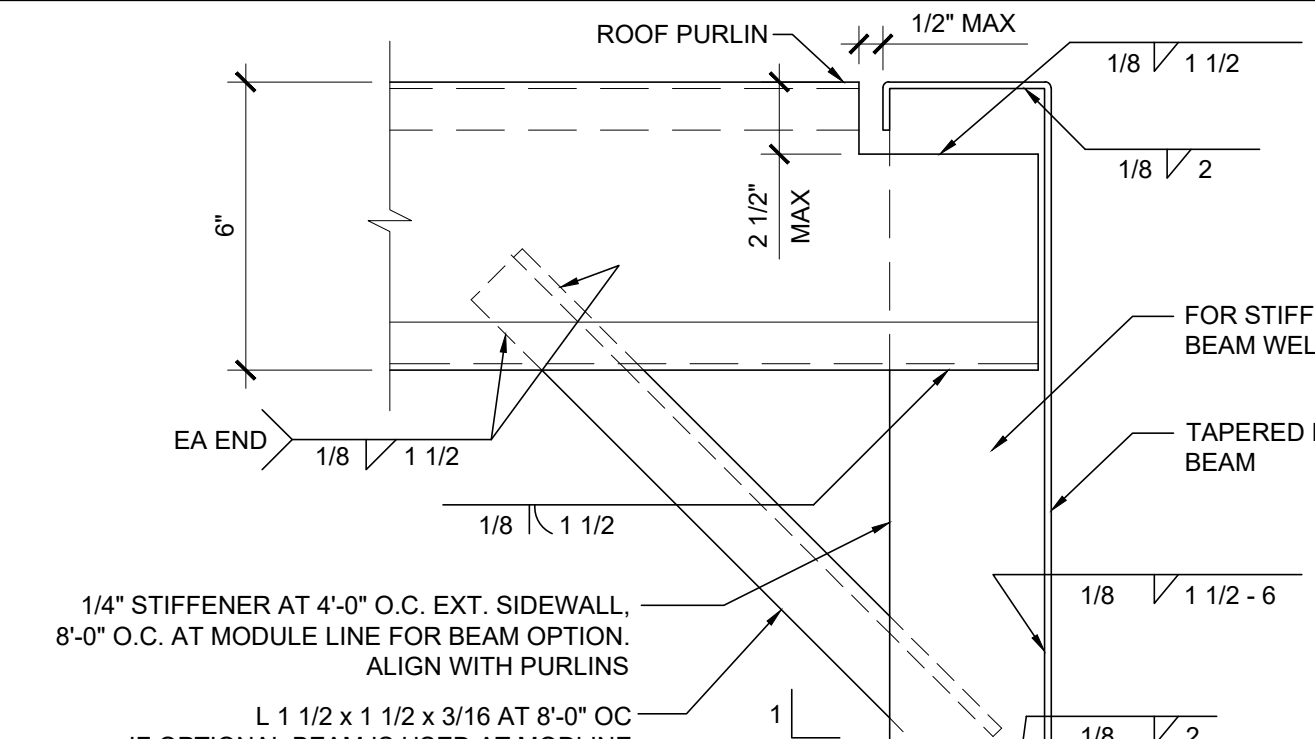
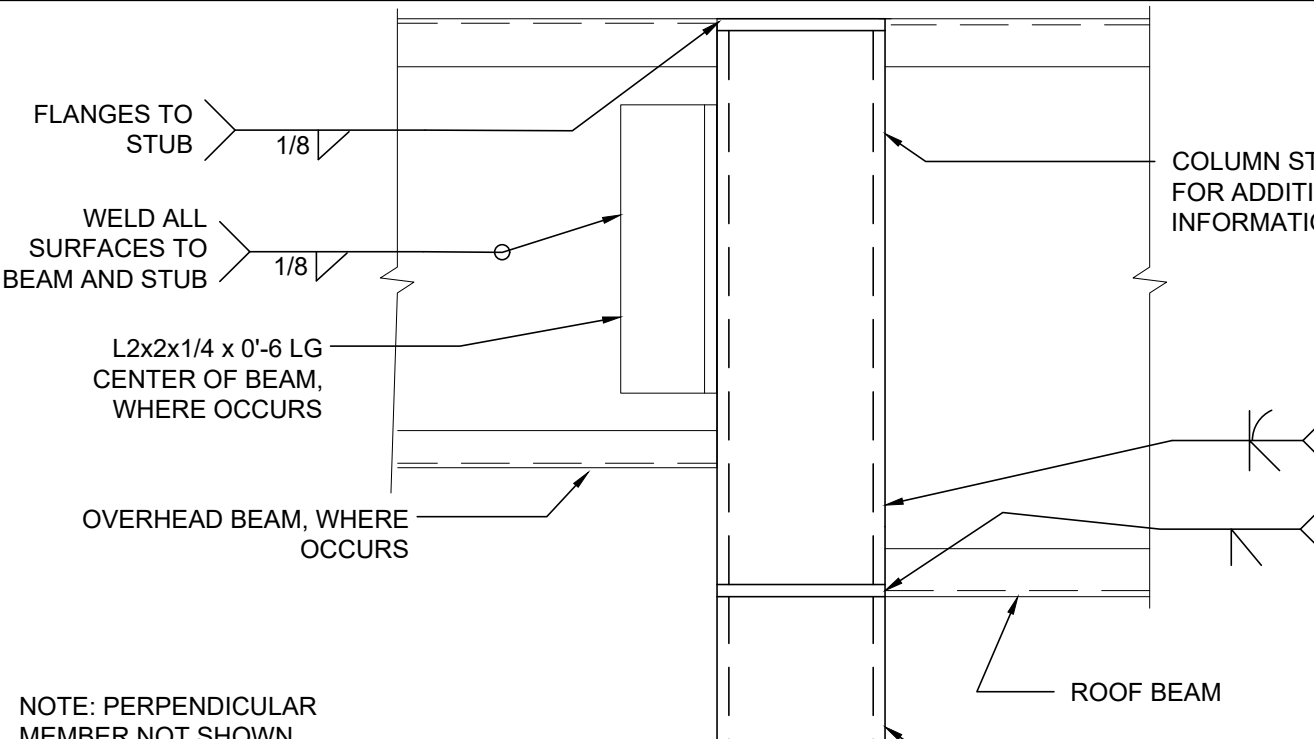
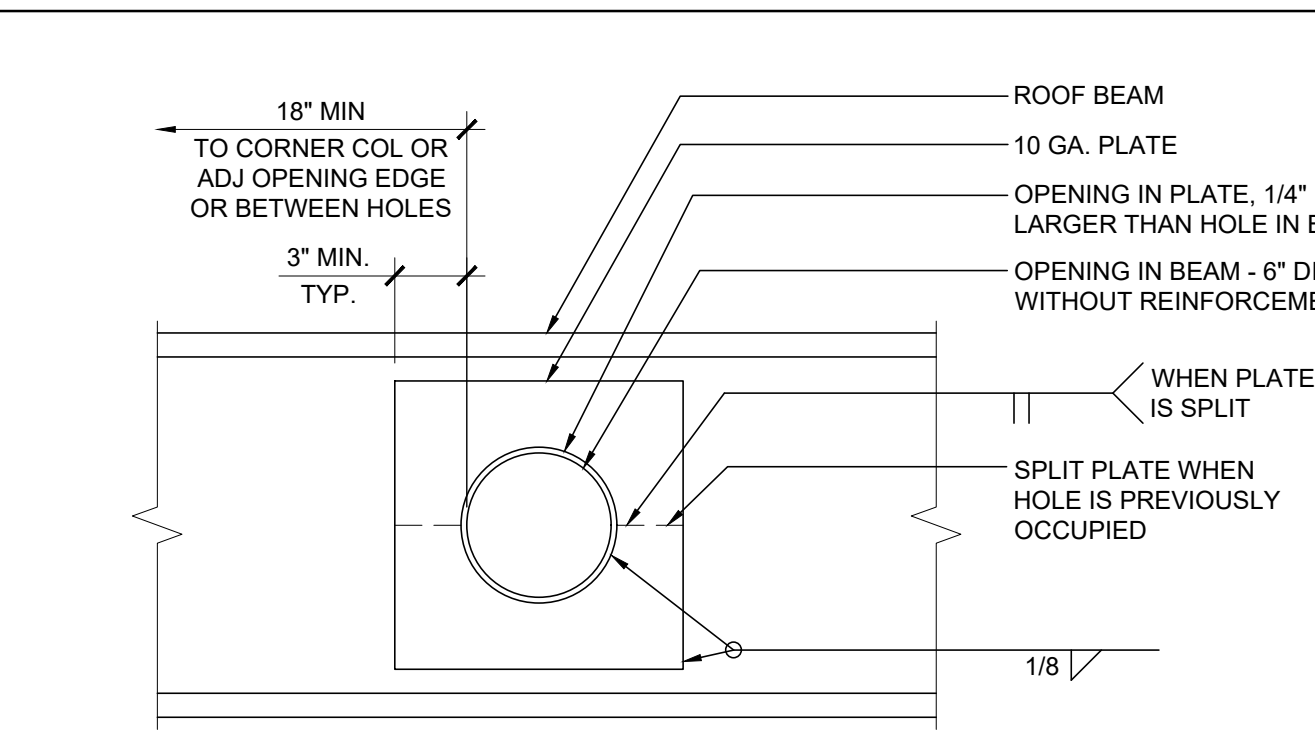
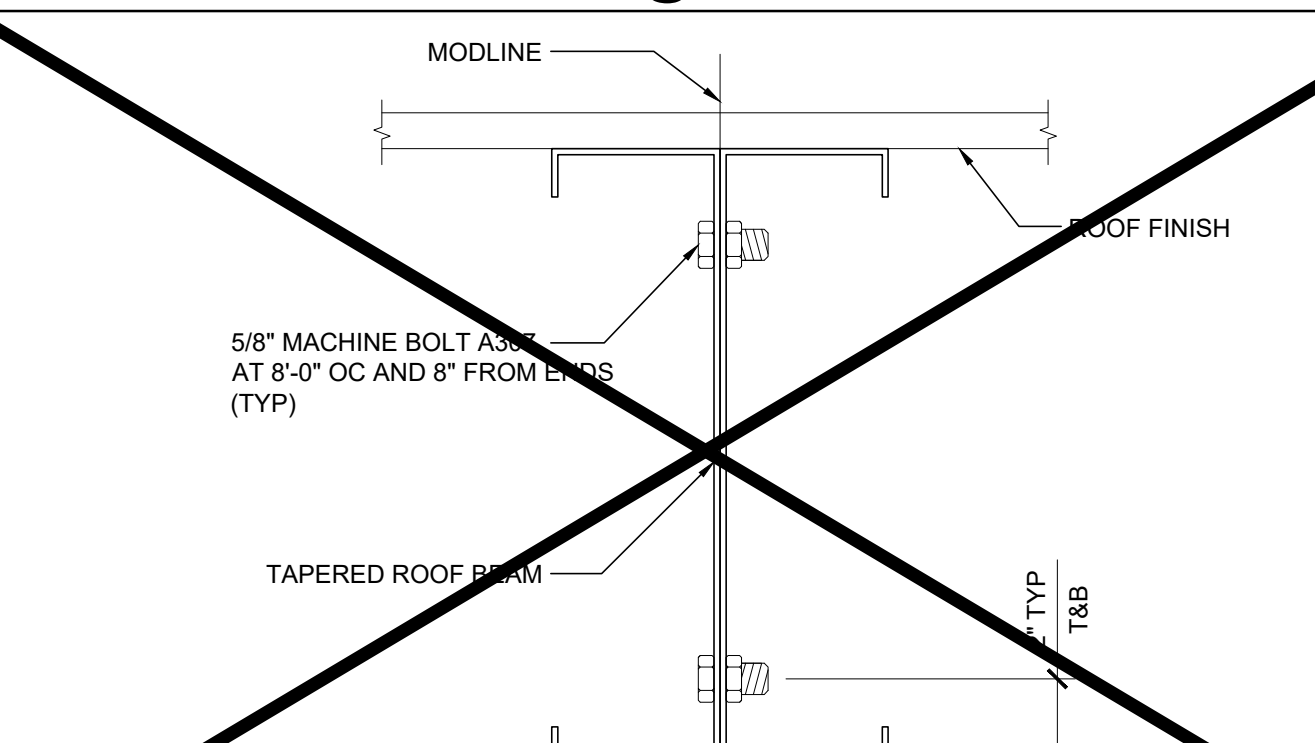
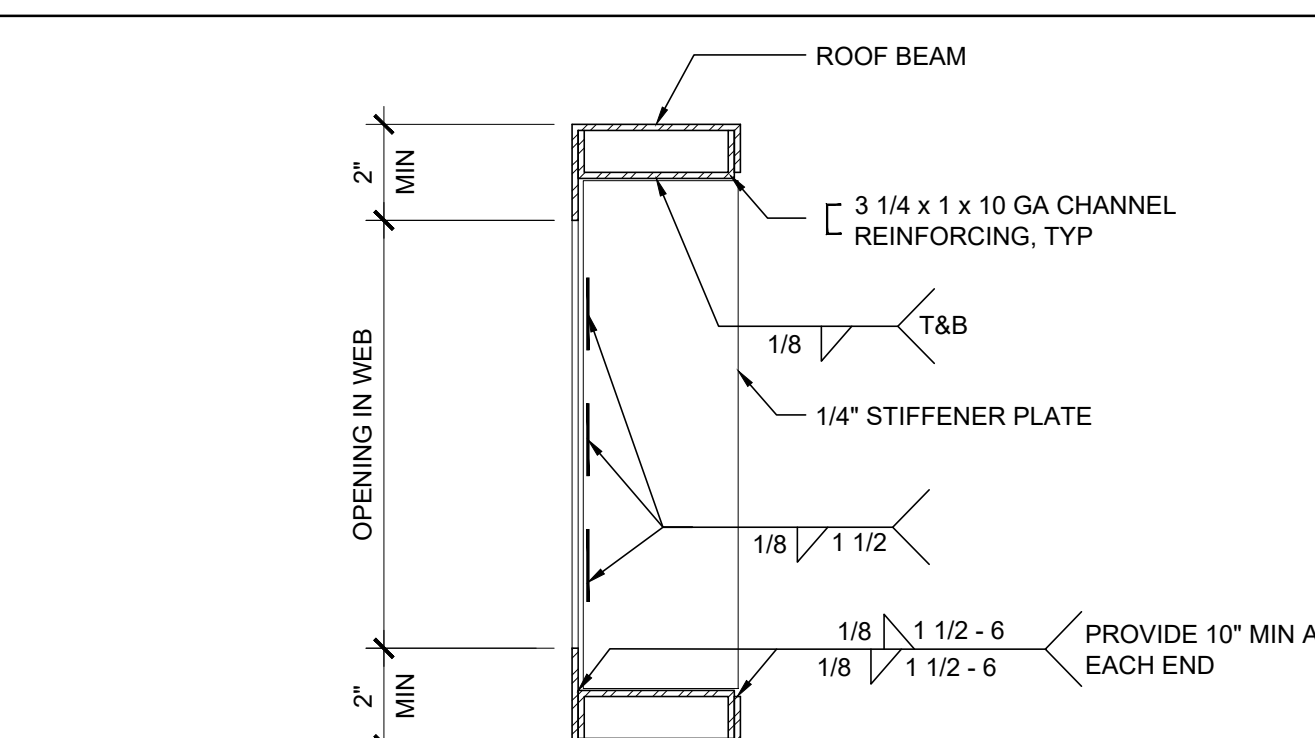
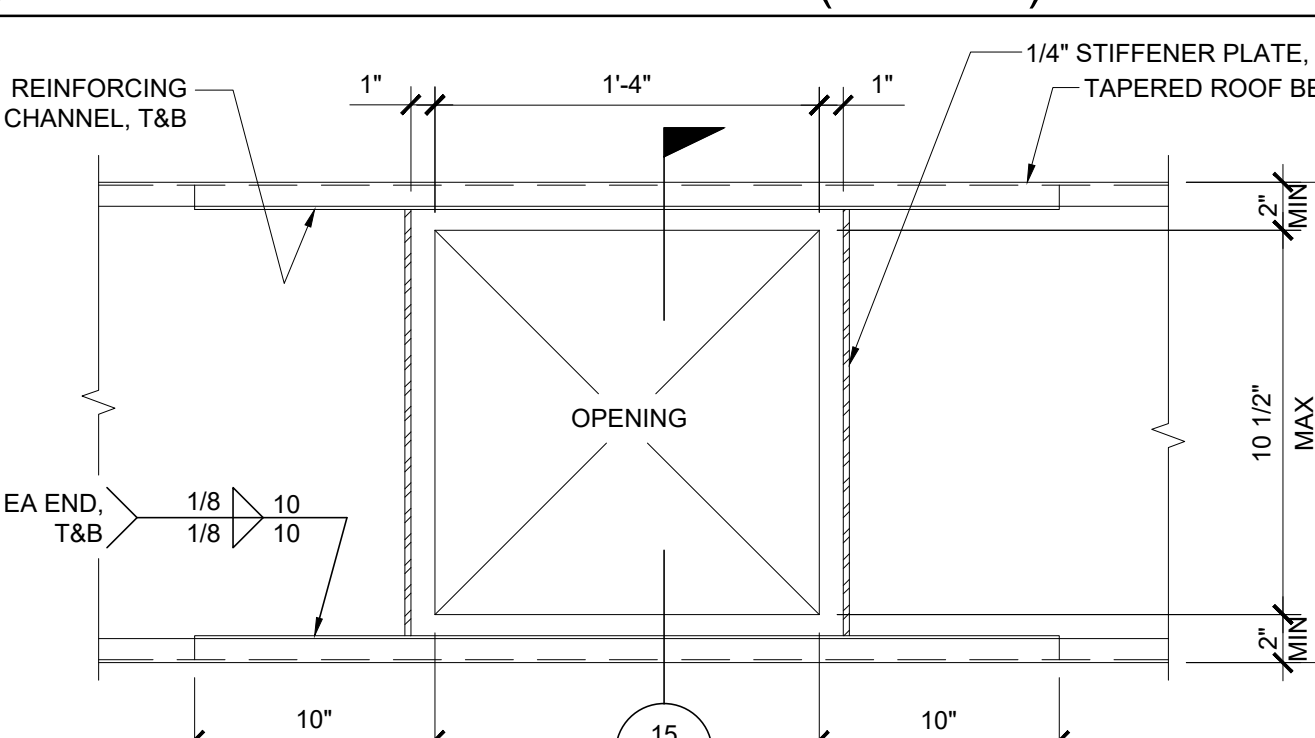
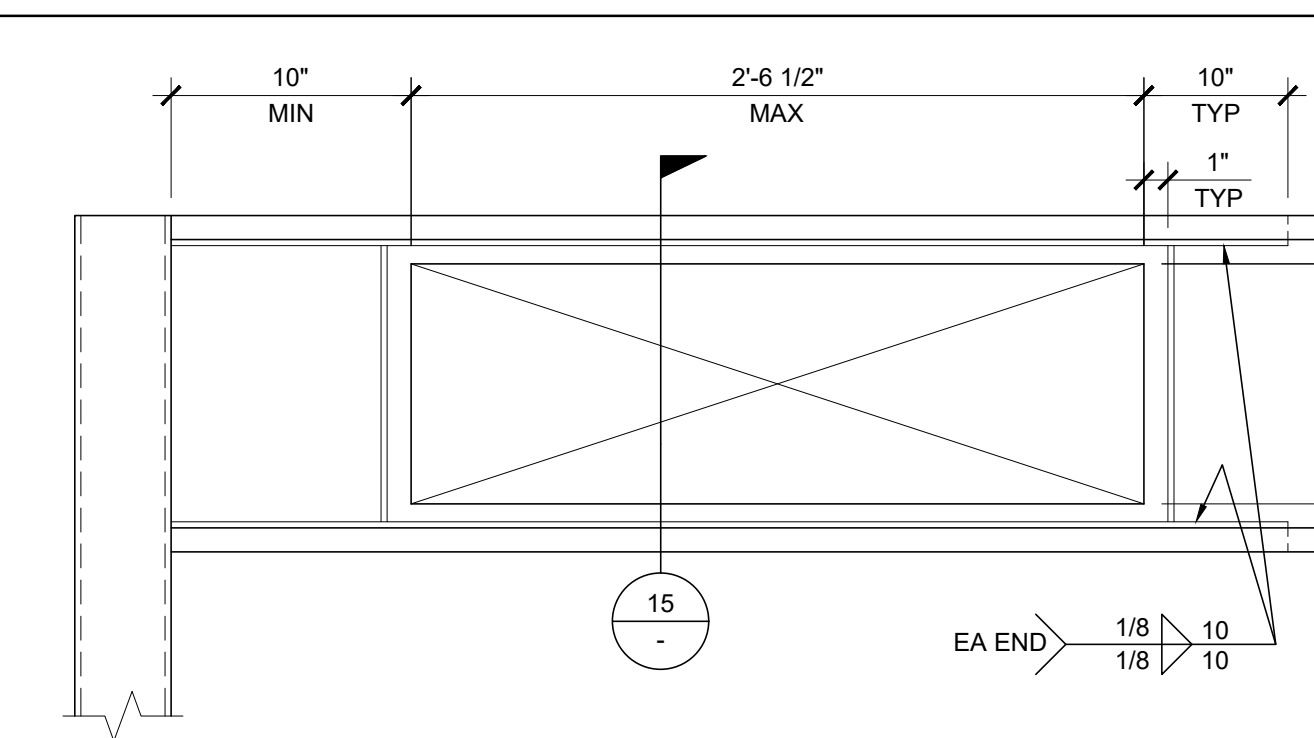
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.01



		 <p>ALTERNATE t = 12 GA Fy = 33 KSI Sx = 2.28 IN³ Ix = 6.86 IN⁴</p> <p>STANDARD t = 14 GA Fy = 50 KSI Sx = 1.66 IN³ MIN Ix = 4.98 IN⁴ MIN</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.02</p>		 <p>REF: S2.01, S2.02, S2.03</p>				
NOT USED	16	ROOF PURLIN	SCALE : 6"=1'-0"	11	TYPICAL PURLIN CONNECTION DETAIL	SCALE : 3" = 1'-0"	6	COLUMN AT ROOF - PLAN	SCALE : 3" = 1'-0"	1
		 <p>18" (LOW END) t = 10 GA Fy = 40 KSI Sx = 17.56 IN³ MIN. Ix = 158.10 IN⁴ MIN.</p> <p>28" (HIGH END) t = 10 GA Fy = 40 KSI Sx = 33.80 IN³ MIN. Ix = 474.00 IN⁴ MIN.</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.50</p>				
NOT USED	17	ROOF HEADER	SCALE : NTS	12	BEAM SPLICE	SCALE : 3" = 1'-0"	7	COLUMN AT ROOF - SECTION	SCALE : 3" = 1'-0"	2
		 <p>18" t = 10 GA Fy = 40 KSI Sx = 17.56 IN³ Ix = 158.10 IN⁴</p> <p>28" t = 10 GA Fy = 40 KSI Sx = 33.80 IN³ Ix = 474.00 IN⁴</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.50</p>				
NOT USED	18	SIDE BEAM	SCALE : NTS	13	PURLIN TO ROOF BEAM @ STIFFENER	SCALE : 3"=1'-0"	8	COLUMN AT ROOF OVERHANG	SCALE : 3" = 1'-0"	3
		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>						
NOT USED	19	SIDEWALL BEAM PENETRATION	SCALE : 1 1/2"=1'-0"	14	MODULE CONNECTION AT ROOF (OPTION)	SCALE : 3"=1'-0"	9	NOT USED		4
		 <p>REF: S2.01, S2.02, S2.03, S2.50</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>				
NOT USED	20	WEB OPENING AT ROOF BEAM (OPTION)	SCALE : 3" = 1'-0"	15	OPENING AT ROOF BEAM (OPTION)	SCALE : 1 1/2" = 1'-0"	10	OPENING AT HEADER	SCALE : 1 1/2"=1'-0"	5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ROOF FRAMING
DETAILS
MONO SLOPE

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

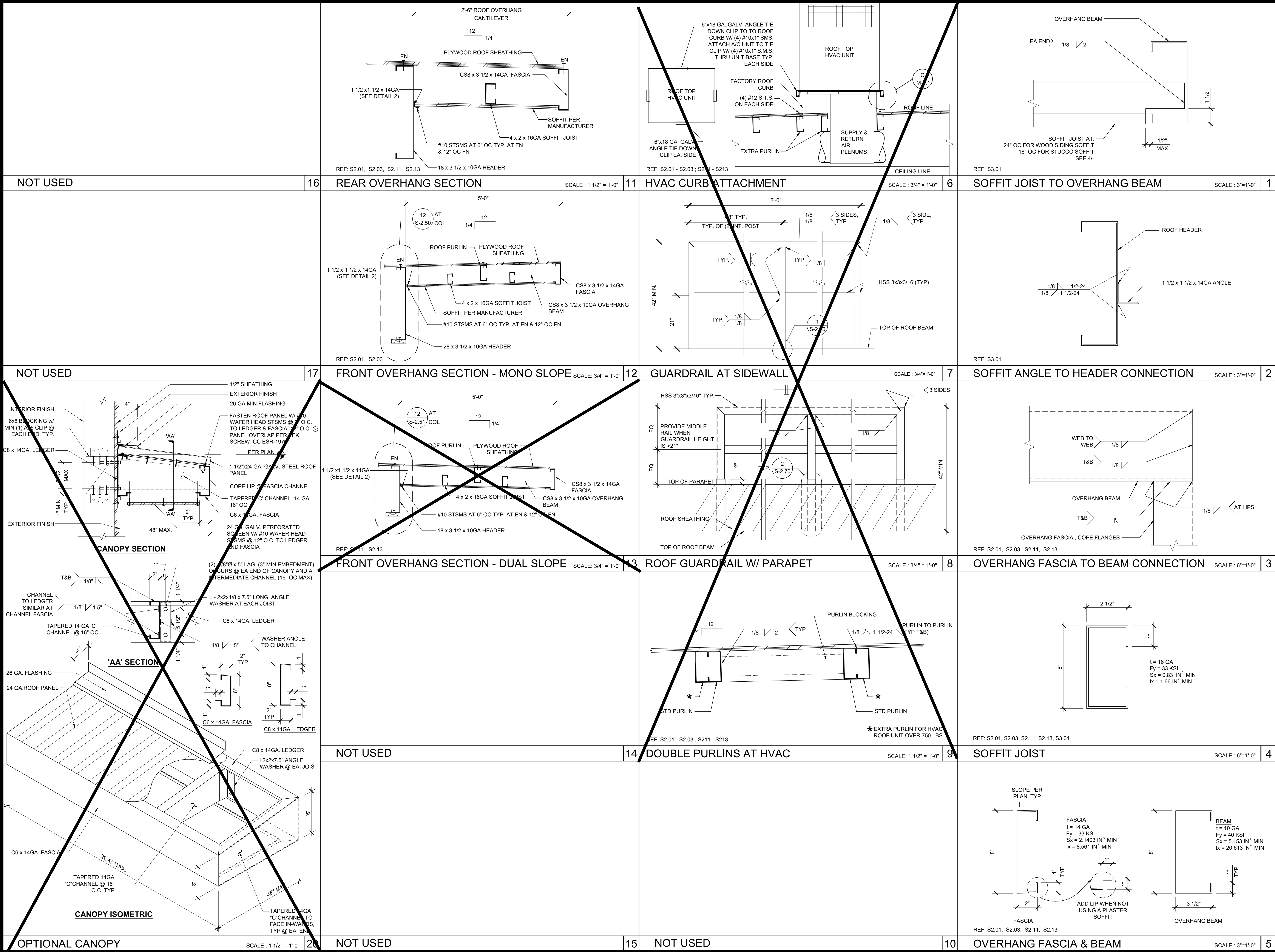
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.50



PROJECT SPECIFIC STATE AGENCY APPROVAL

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MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

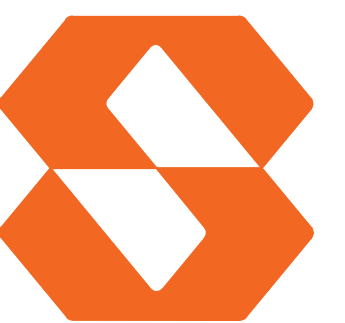
**ROOF FRAMING
DETAILS**

REVISIONS

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PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

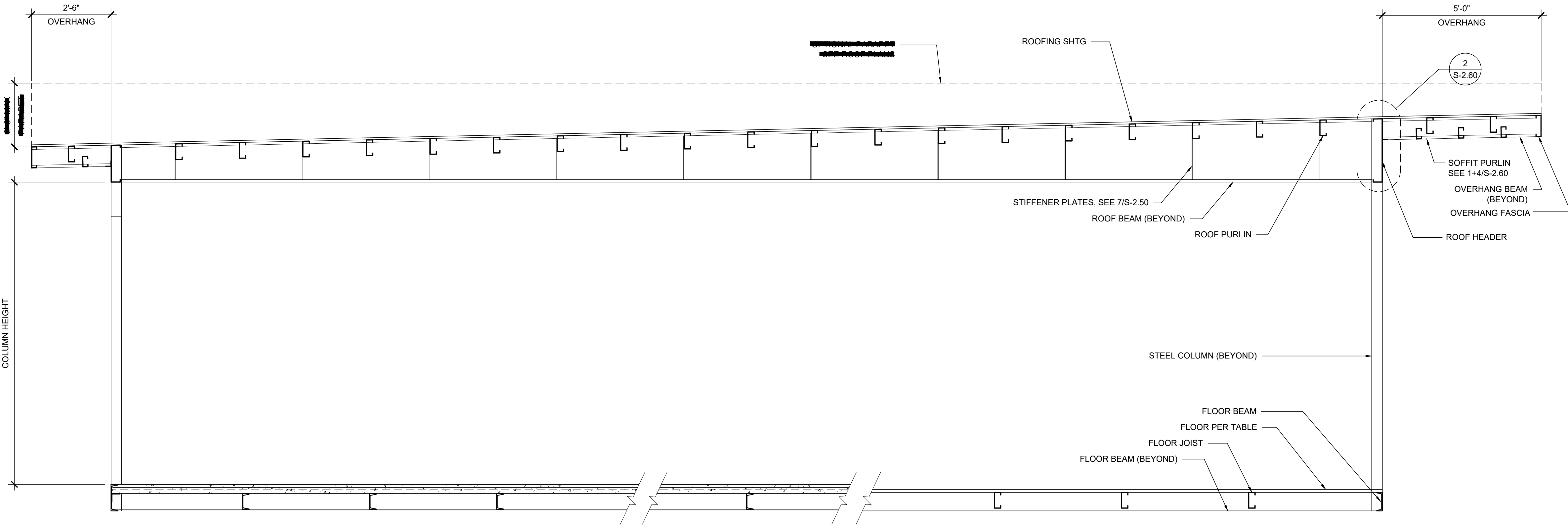
SCALE: AS NOTED

DATE: 02-27-2023

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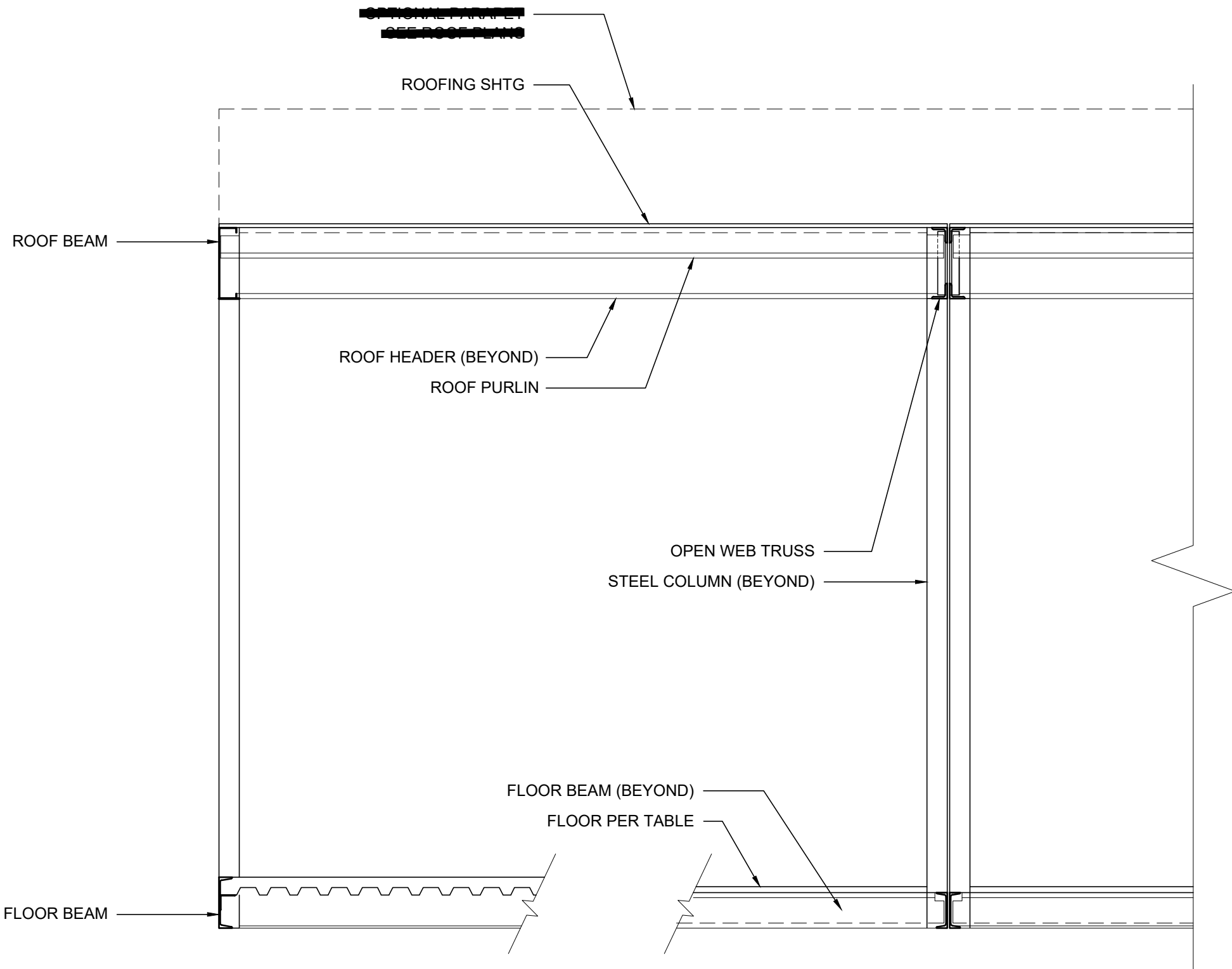
S-2.60

S-2.90



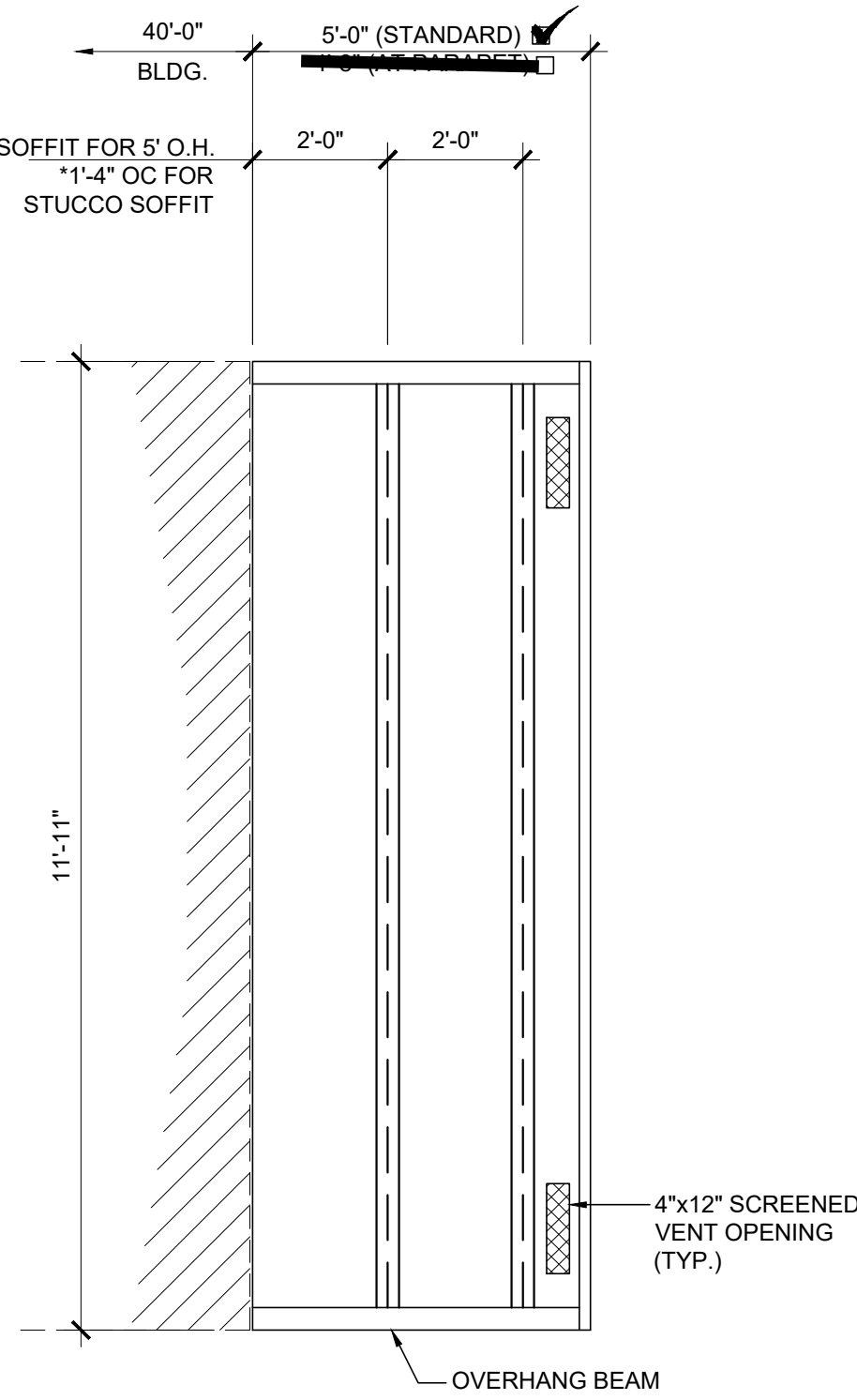
BUILDING SECTION

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



BUILDING SECTION

SCALE: 1/2" = 1'-0" 3



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- ☐ WOOD FLOOR
☒ CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	NO PARAPET	ROOF W/ PARAPET
☐ 9'-0"	☐ 6 x 6 x 1/4	☒ 6 x 6 x 1/4 *
☒ 9'-6"	☒ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 *
☐ 10'-0"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 *
☐ 10'-6"	☐ 6 x 6 x 1/4	☒ 6 x 6 x 1/4 *

FLOOR BEAM

C7x9.8 (TYP) PERIMETER BEAM FOR WOOD FLOOR
★ C9x13.4 PERIMETER BEAM FOR WOOD FLOOR
C10x15.3 TYP. PERIMETER BEAM FOR CONCRETE FLOOR

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

BUILDING SECTIONS
MONO SLOPE

REVISIONS

- 1
2
3
4
5

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FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVIEWED FOR
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

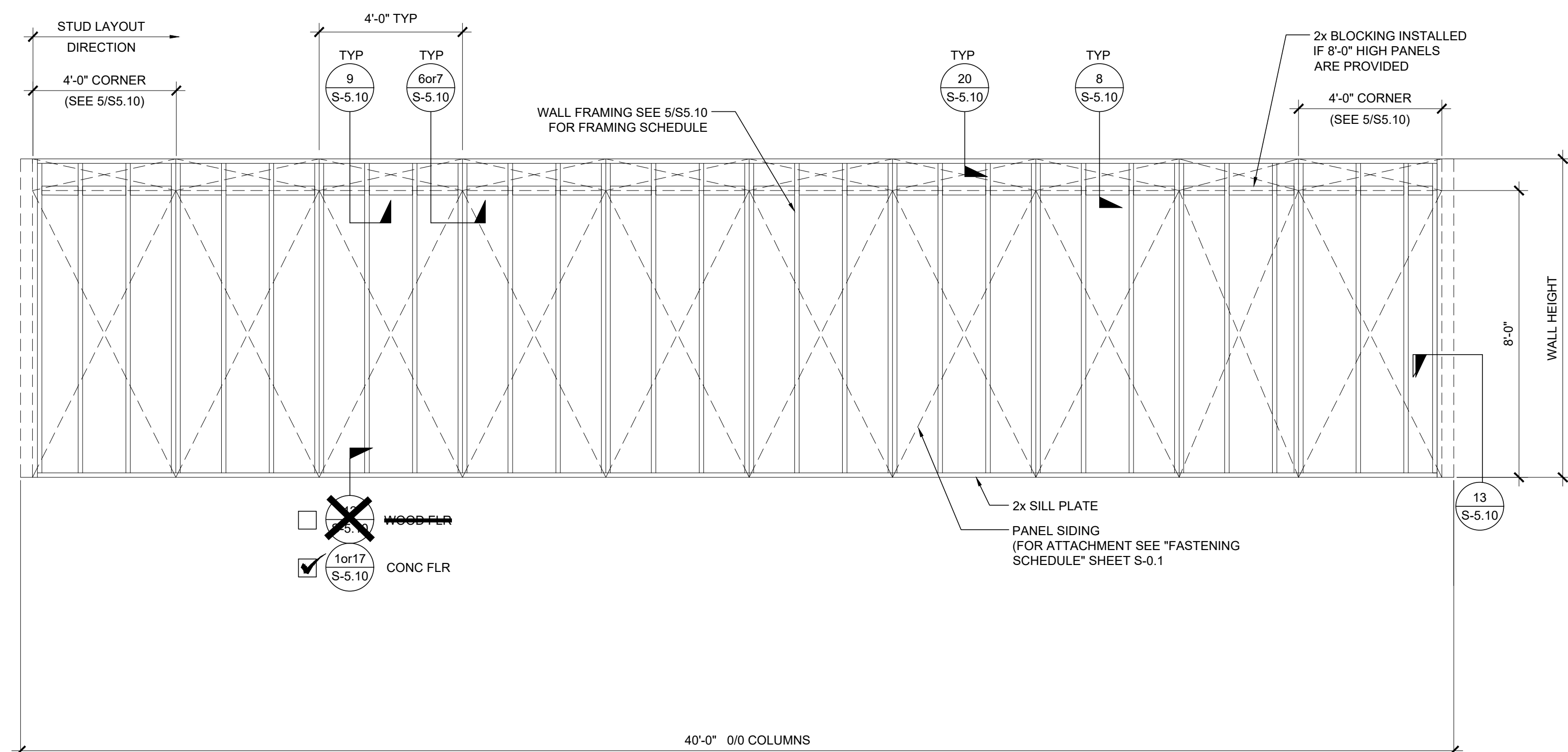
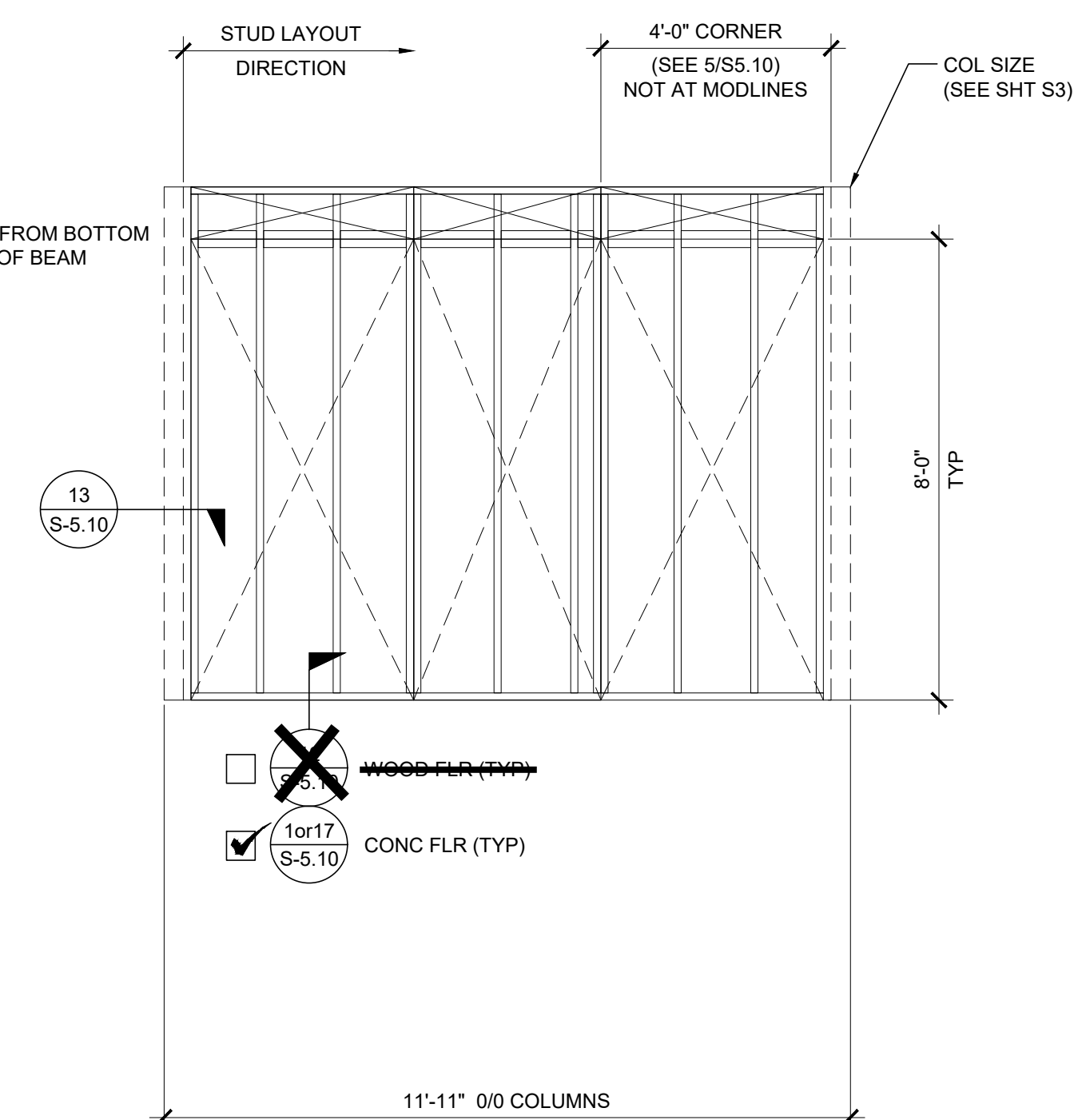
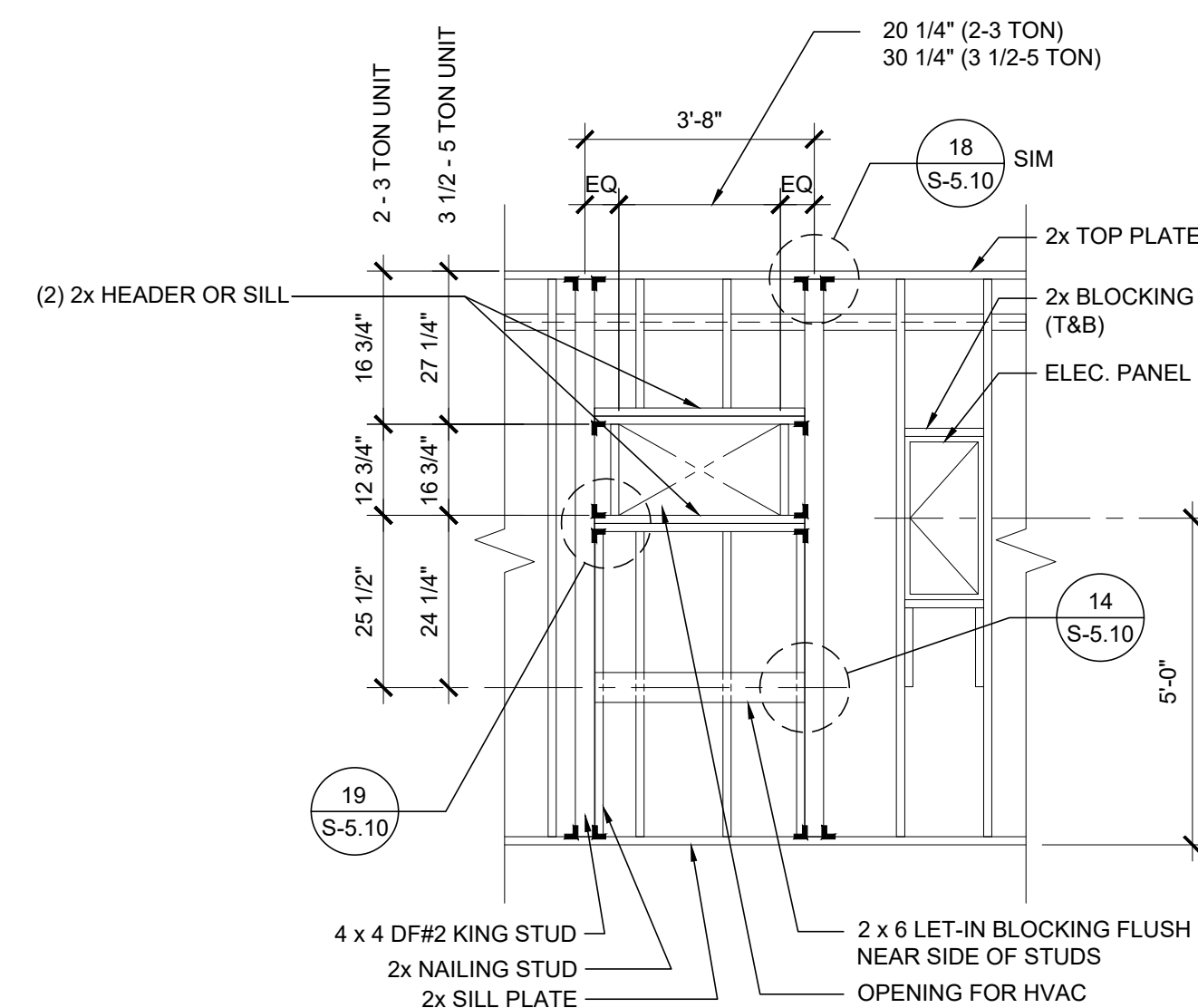
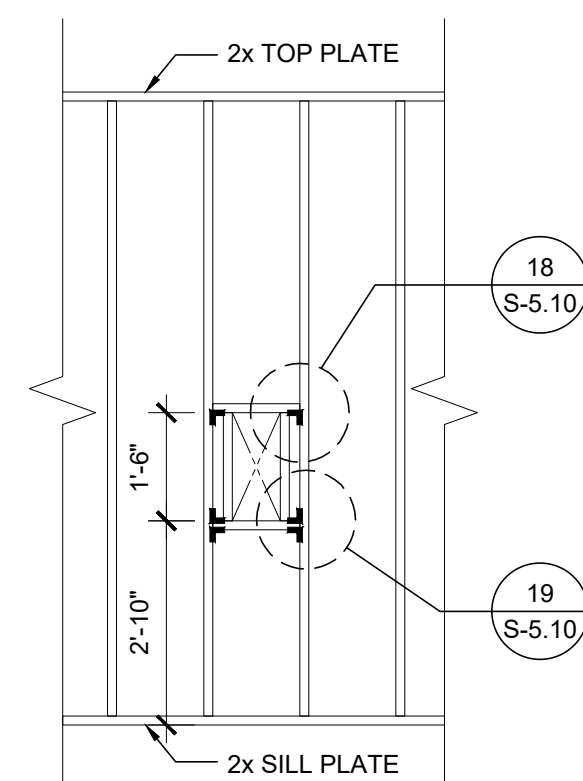
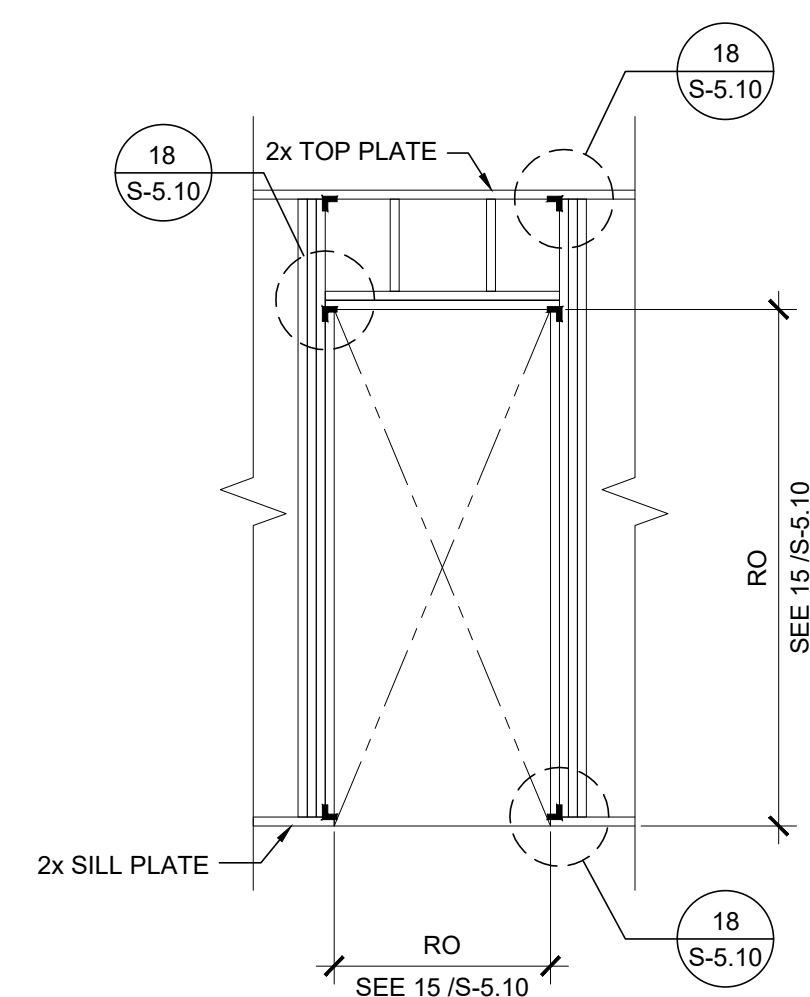
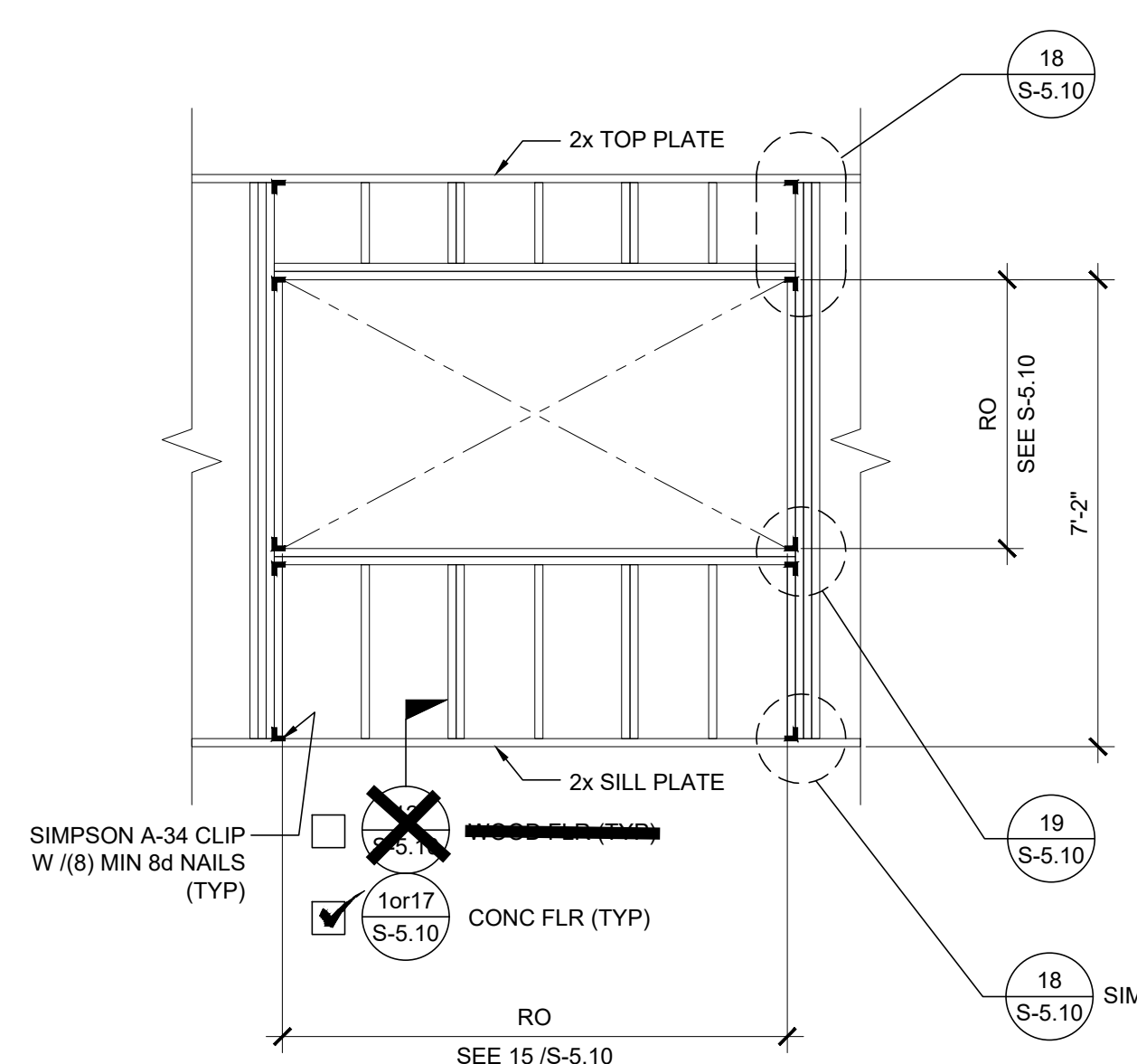
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-3.01



NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	☐ 9'-0"	☒ 9'-6"	☐ 10'-0"	☐ 10'-6"
☒ CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
☐ WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE
2x6 (MIN).
EXCEPTION: UNCONDITIONED RESTROOM
MODULES MAY UTILIZE 2x4 FRAMING.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

WALL FRAMING ELEVATIONS WOOD STUDS

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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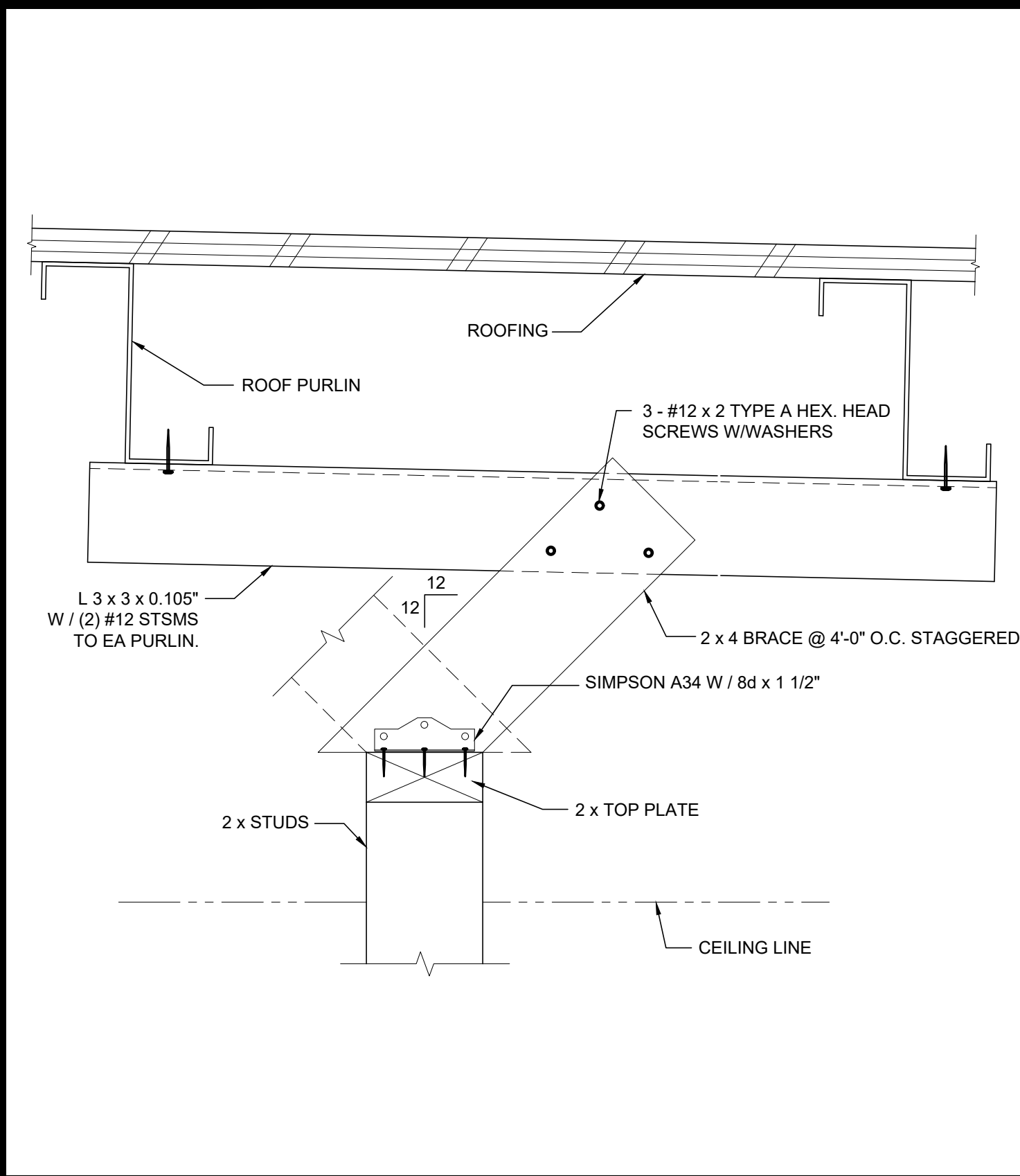
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SCALE: AS NOTED

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P.C. SHEET NUMBER

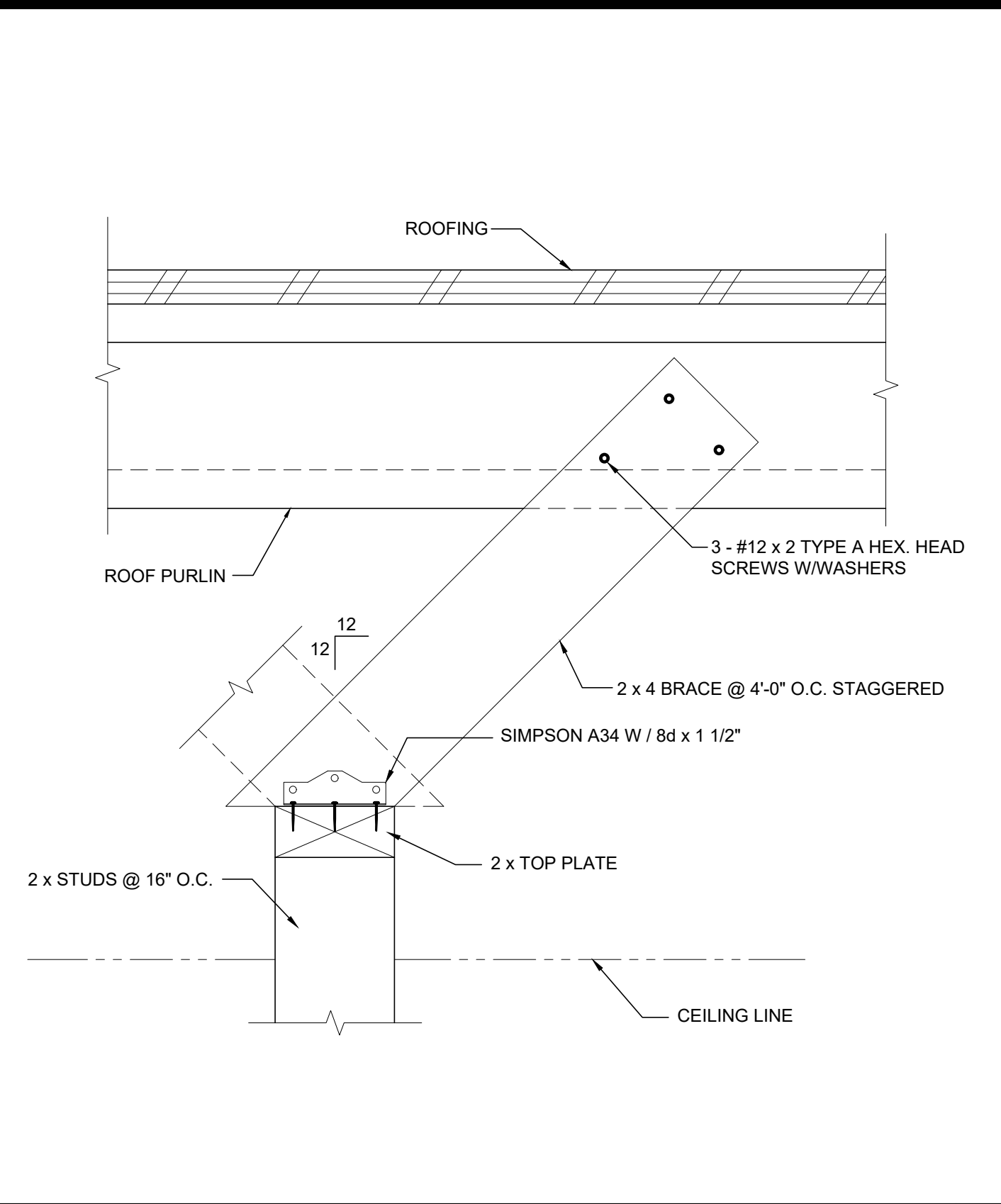
S-5.00



INTERIOR PARTITION

SCALE : 3" = 1'-0"

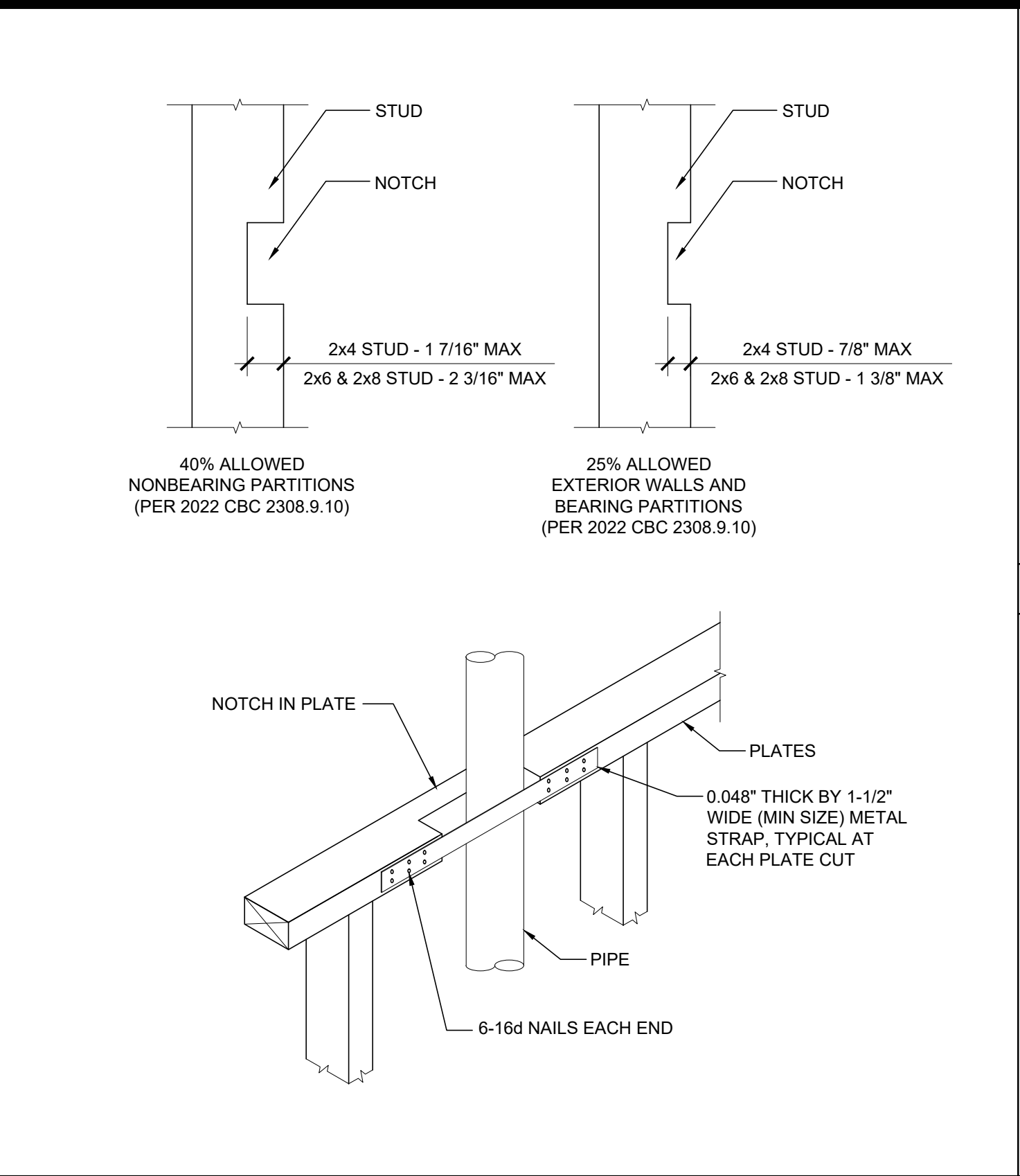
14



INTERIOR PARTITION

SCALE : 3" = 1'-0"

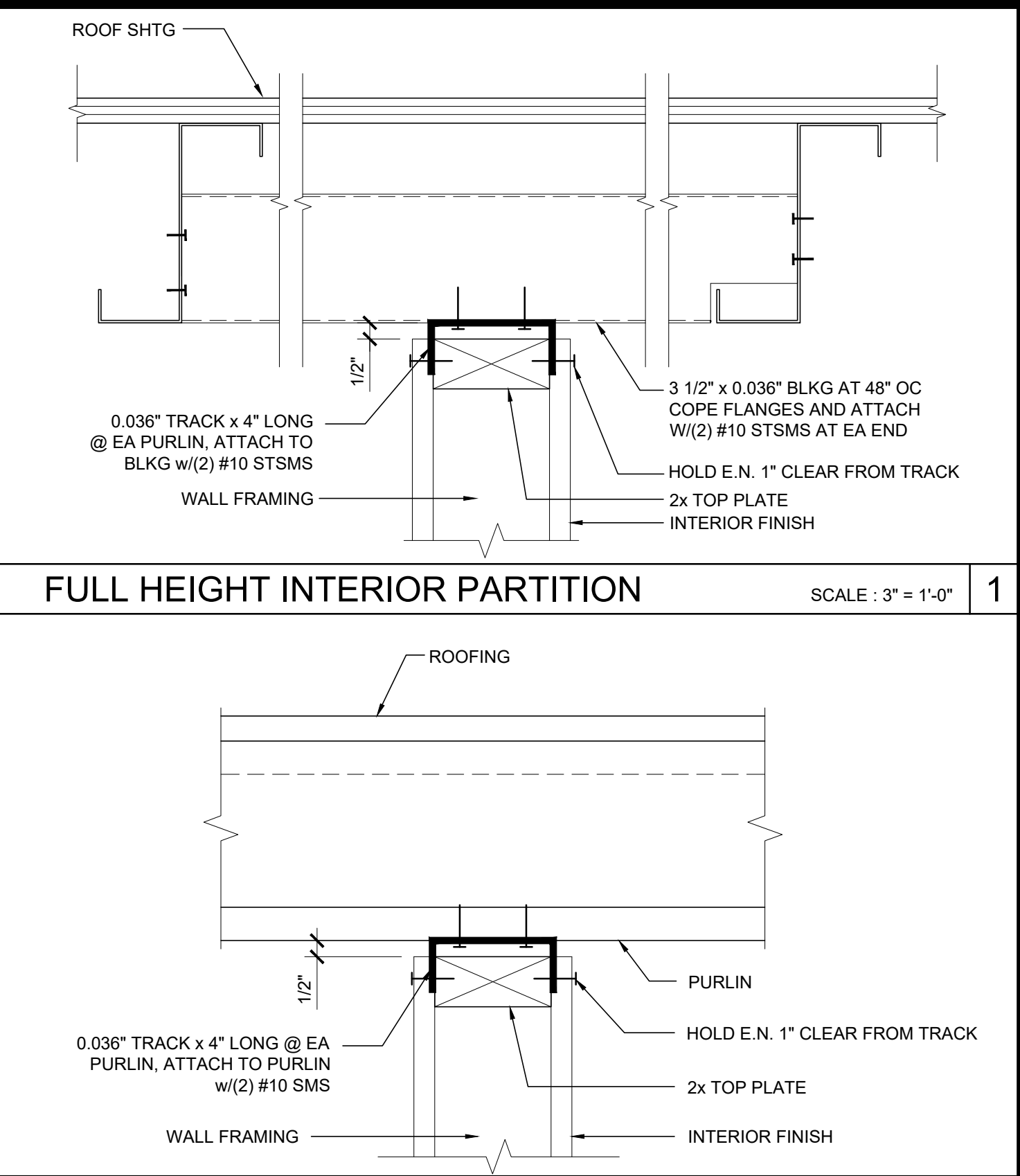
12



CUTTING AND NOTCHING

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

7



FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0"

1

FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0"

2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	ANY	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	4070	ANY	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	6040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2

2x6 OPENING STUDS SCHEDULE

19

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

NOTE:
1. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x6 WALL FRAMING SCHEDULE

20

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING STUDS SCHEDULE

14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

NOTES:
1. EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOVE IS TYPICAL. HOWEVER, 2x8 STUDS (HF #2 OR BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC.
2. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x8 WALL FRAMING SCHEDULE

15

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

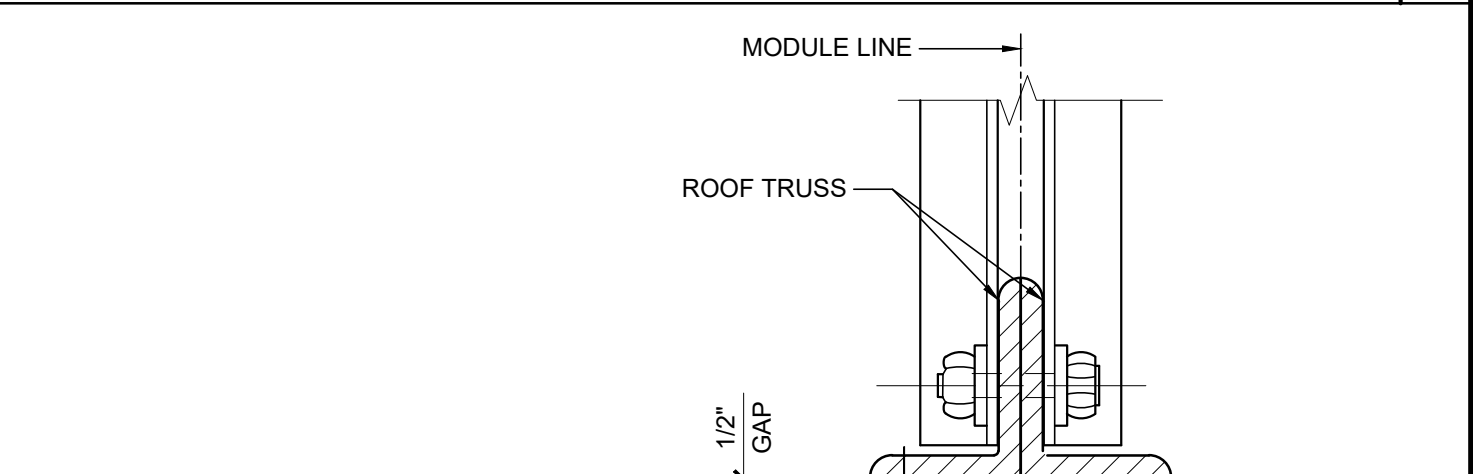
BORED HOLES

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

8

NOT USED

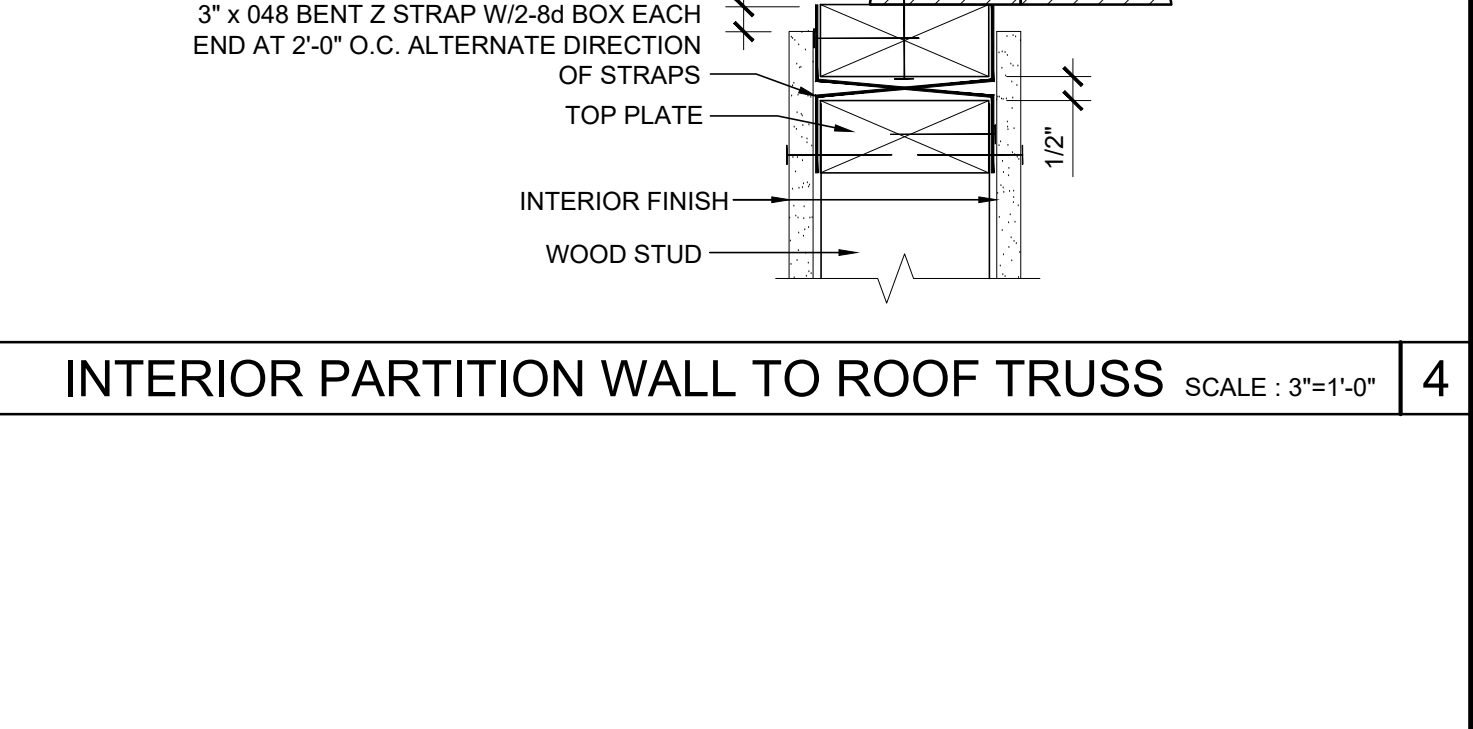
9



INTERIOR PARTITION WALL TO ROOF BEAM

SCALE : 3"=1'-0"

3



INTERIOR PARTITION WALL TO ROOF TRUSS

SCALE : 3"=1'-0"

4



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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**WALL FRAMING
DETAILS
WOOD STUDS**

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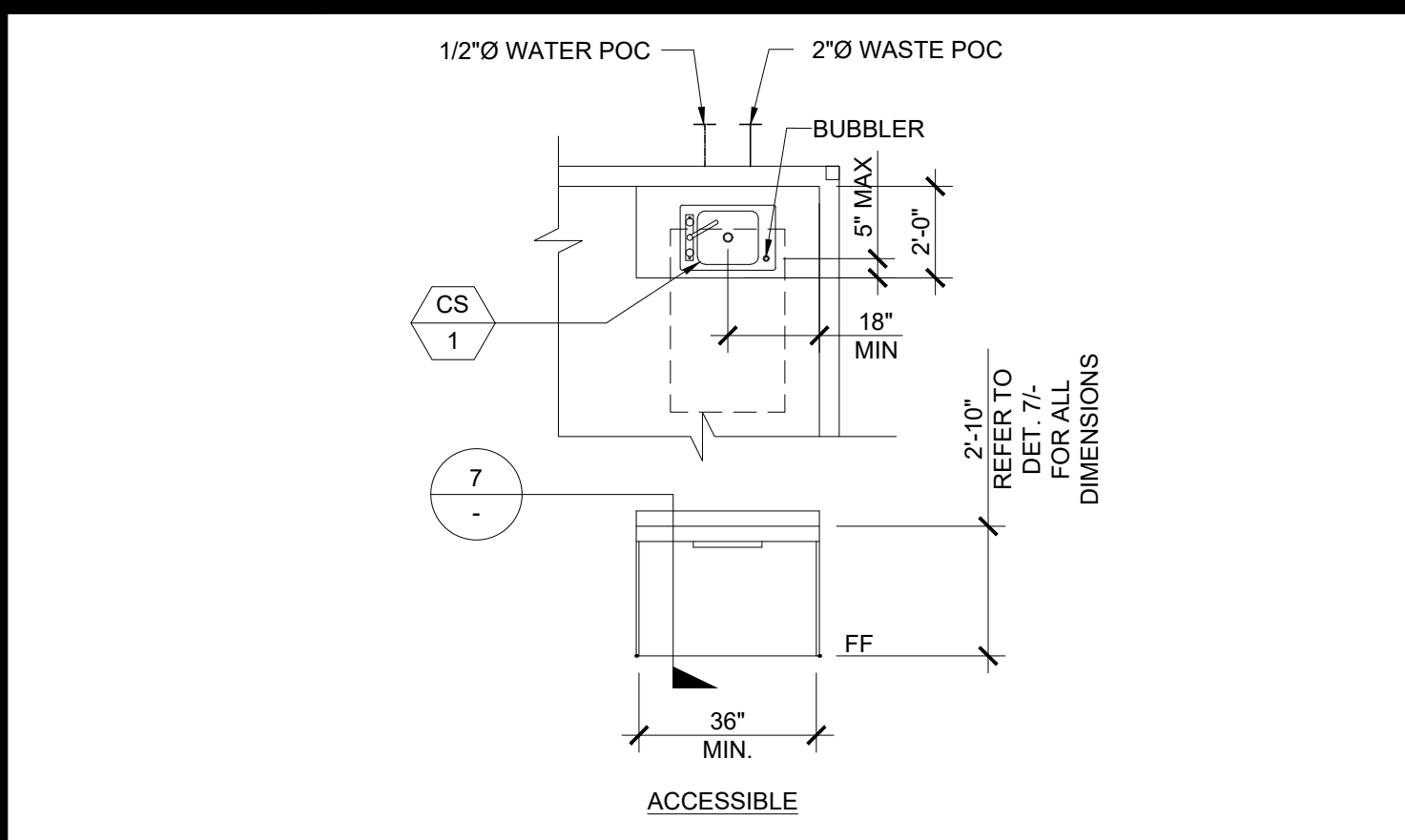
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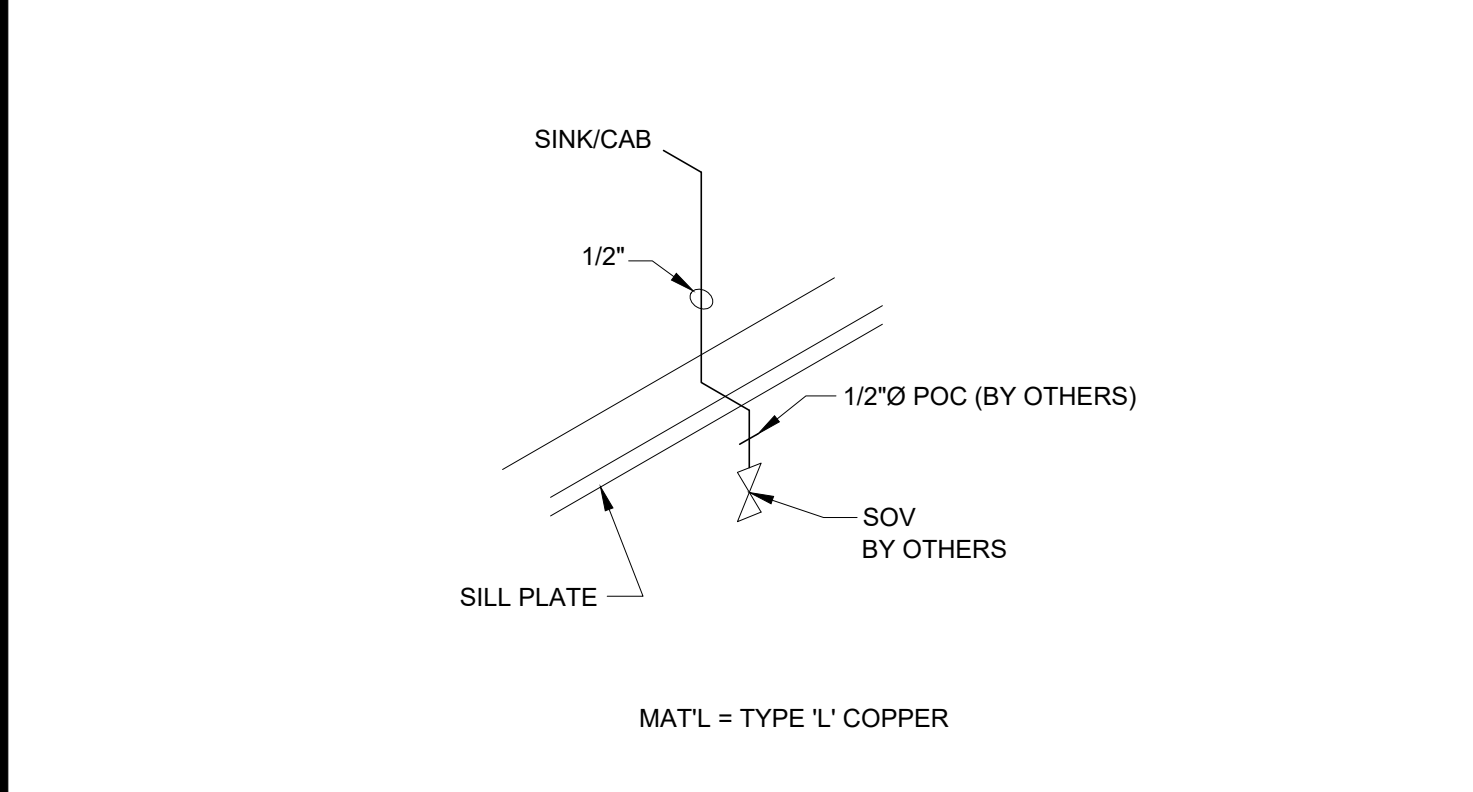
DATE: 02-27-2023

P.C. SHEET NUMBER

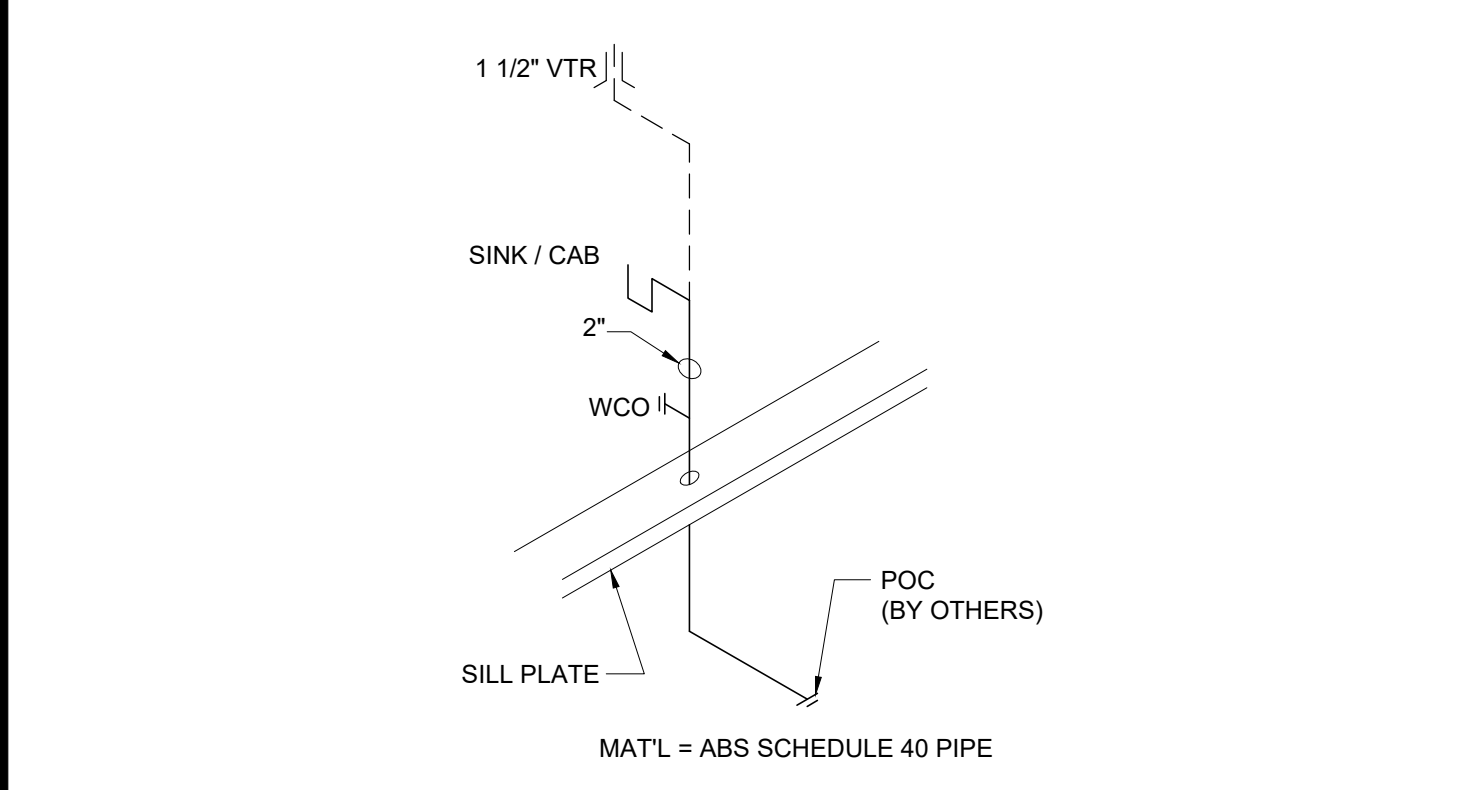
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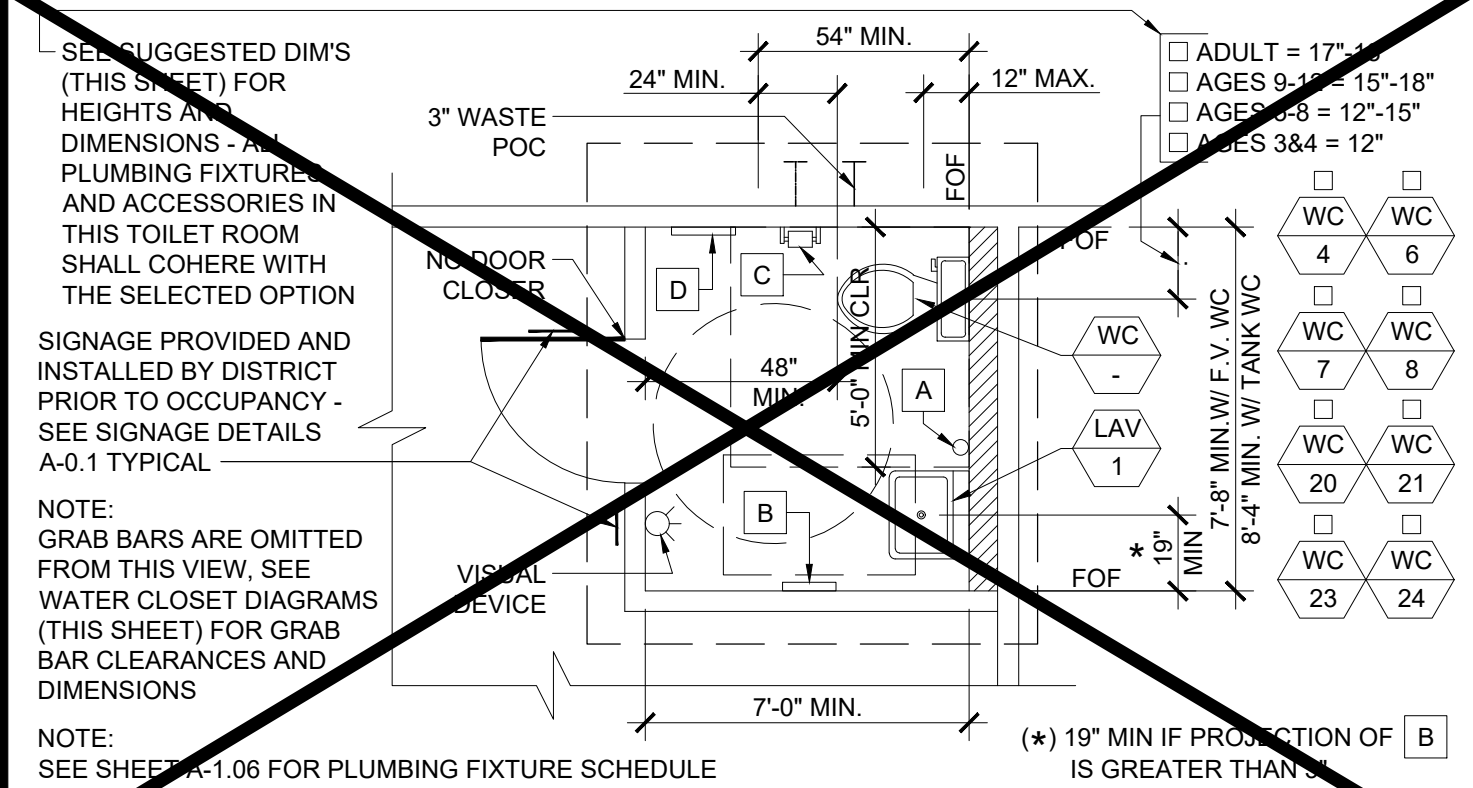
TYPICAL SINK CABINET



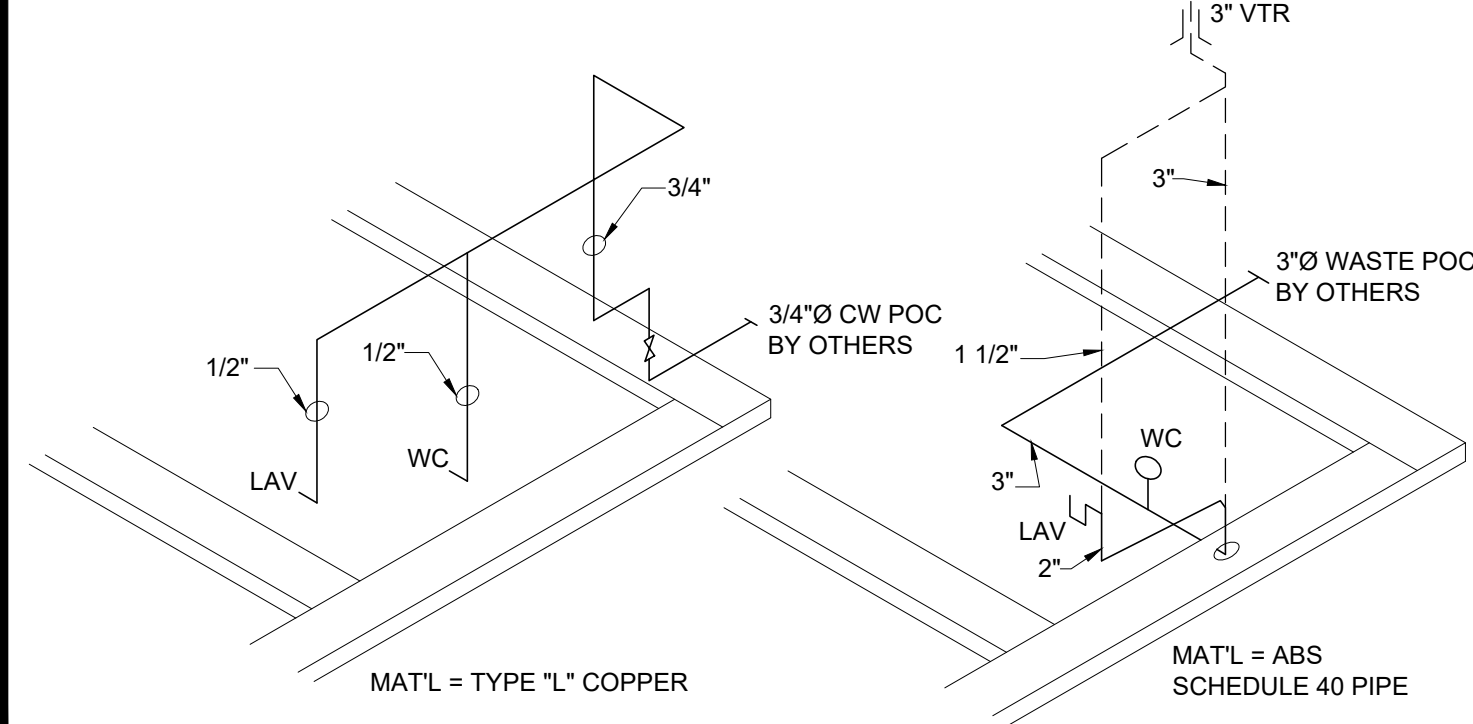
SINK CABINET COLD WATER SUPPLY



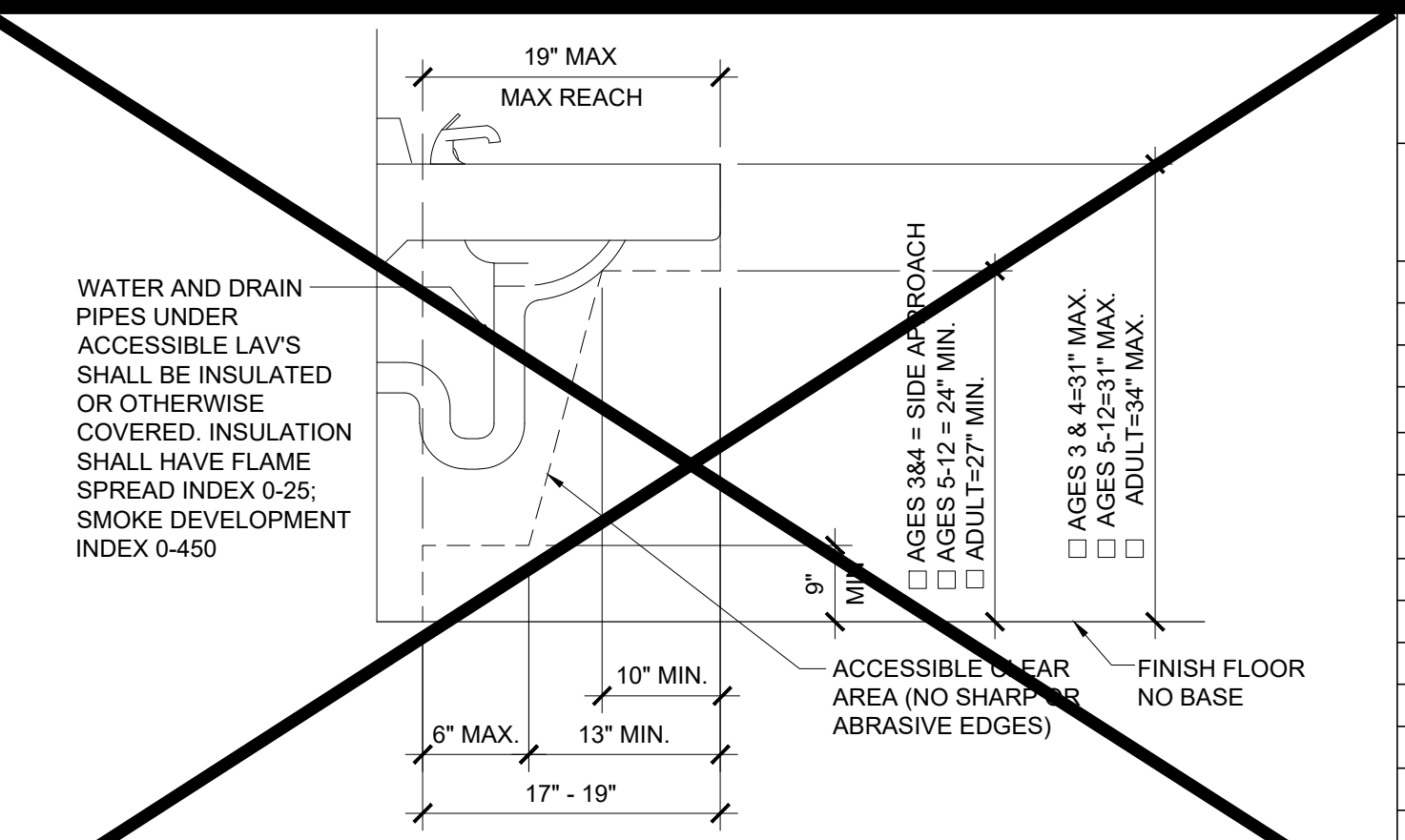
SINK CABINET WASTE



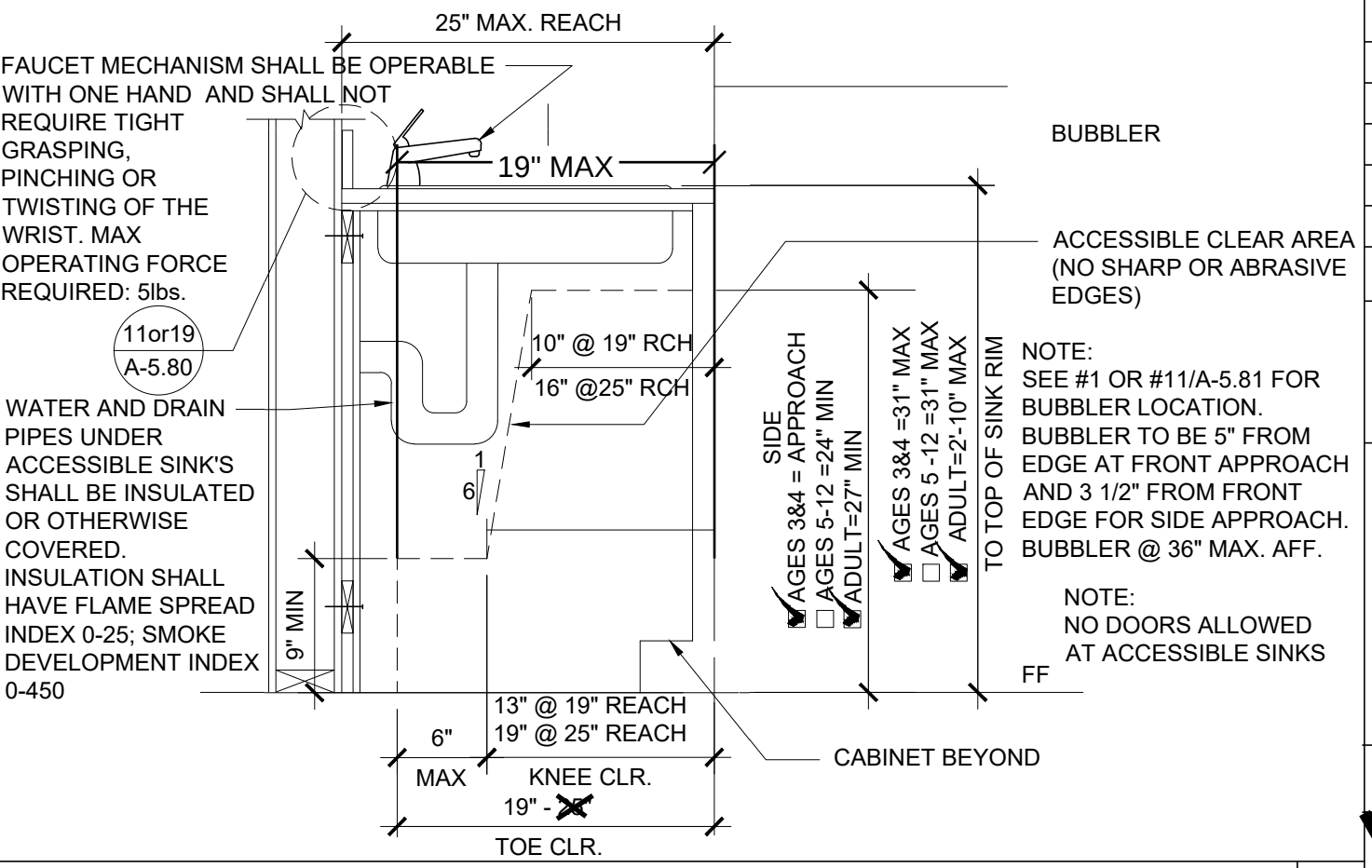
TYPICAL TOILET ROOM PLAN



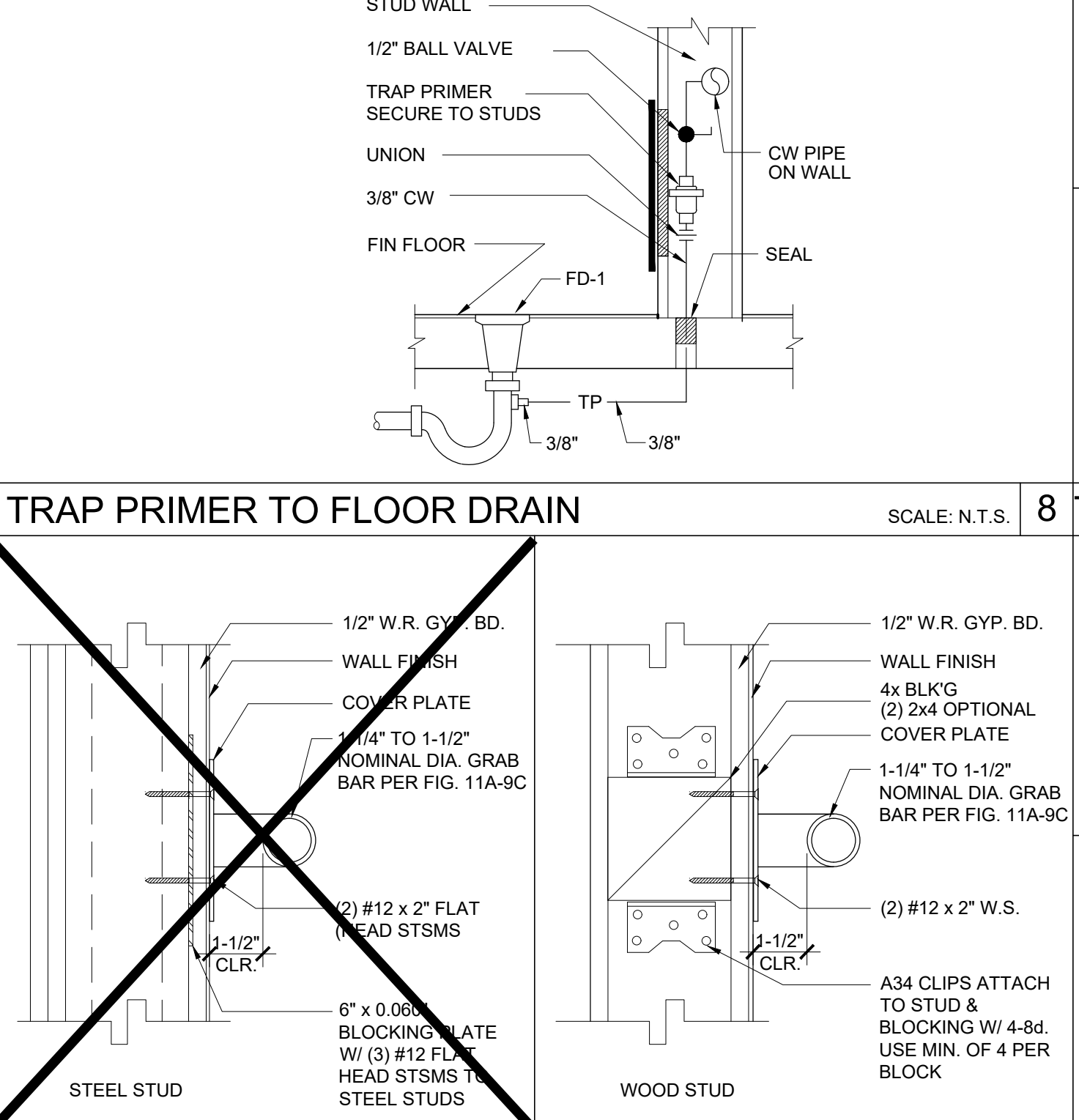
TOILET ROOM COLD WATER SUPPLY AND WASTE



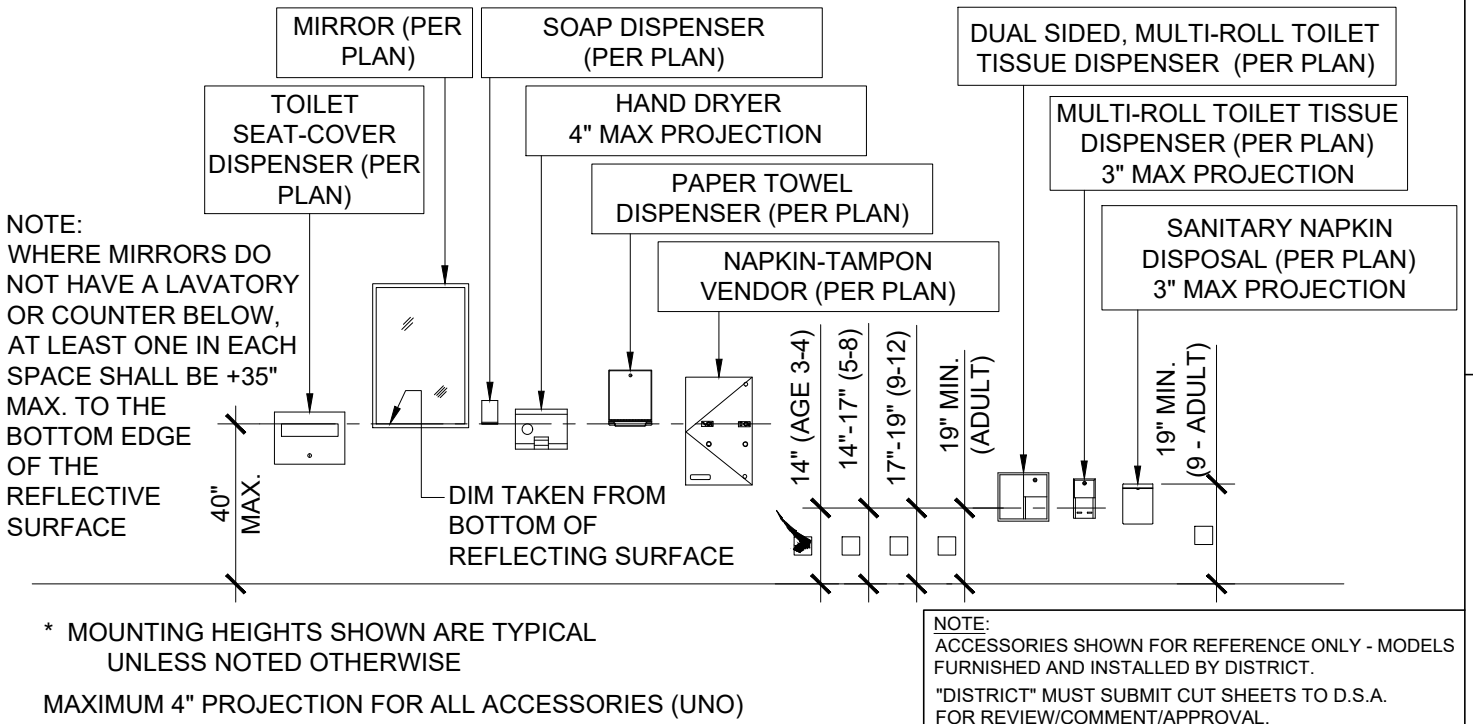
ACCESSIBLE LAV CLEARANCE



ACCESSIBLE SINK CABINET (OPTION)



TRAP PRIMER TO FLOOR DRAIN



GRAB BAR CONNECTION DETAIL

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR SERVING CHILDREN AGES 3 TO 12.

ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL	**	**	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	36" MAX.
DISPENSER HEIGHT	19" MIN.	17" MIN.	14" MIN.	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.	24" MAX.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	15" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	37" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.	24" MAX.
HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

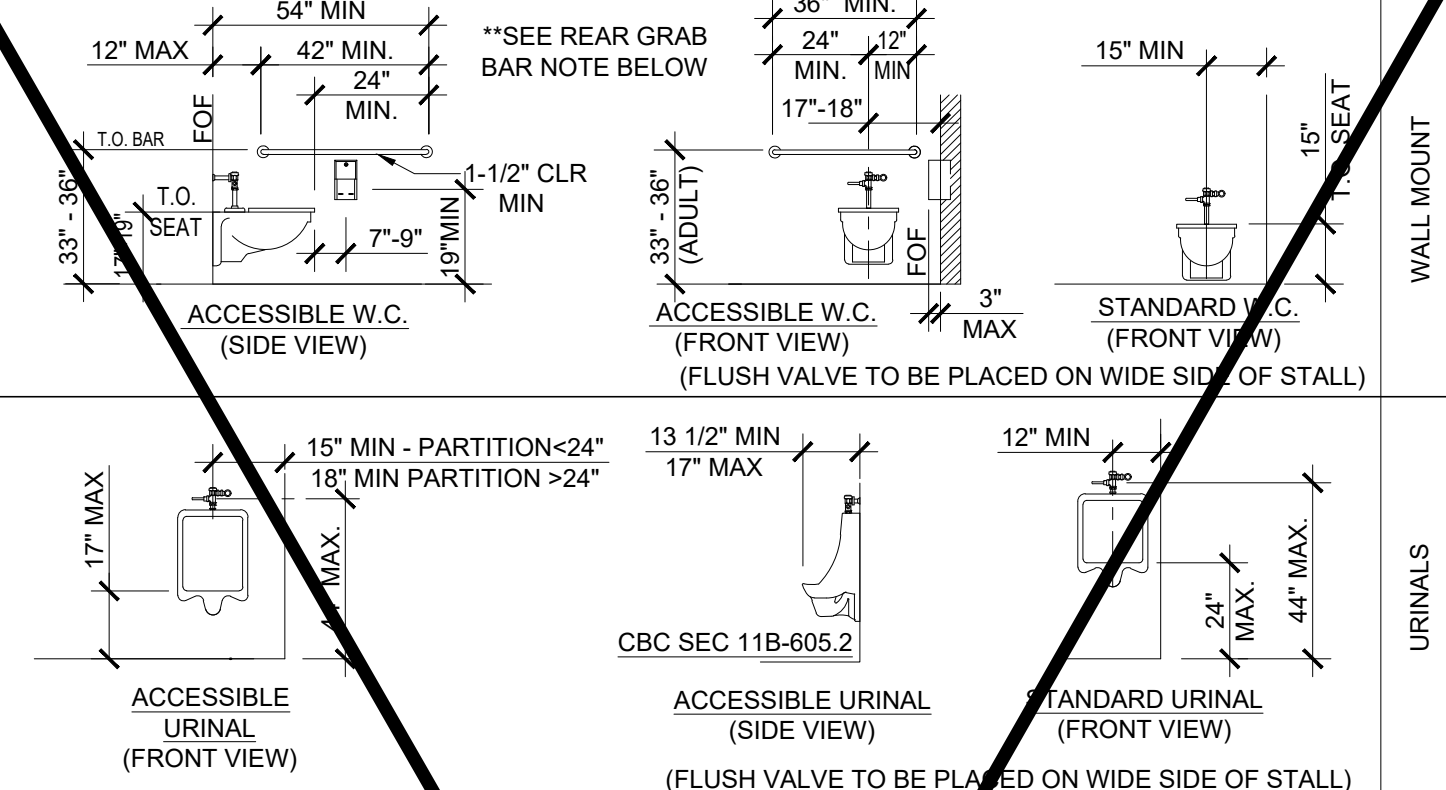
STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN.	15" MIN.	15" MIN.	15" MIN.
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	18"	24"
URINAL LIP HEIGHT	24"	24"	18"	24"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

PLUMBING ACCESSORIES (REF. ONLY-MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

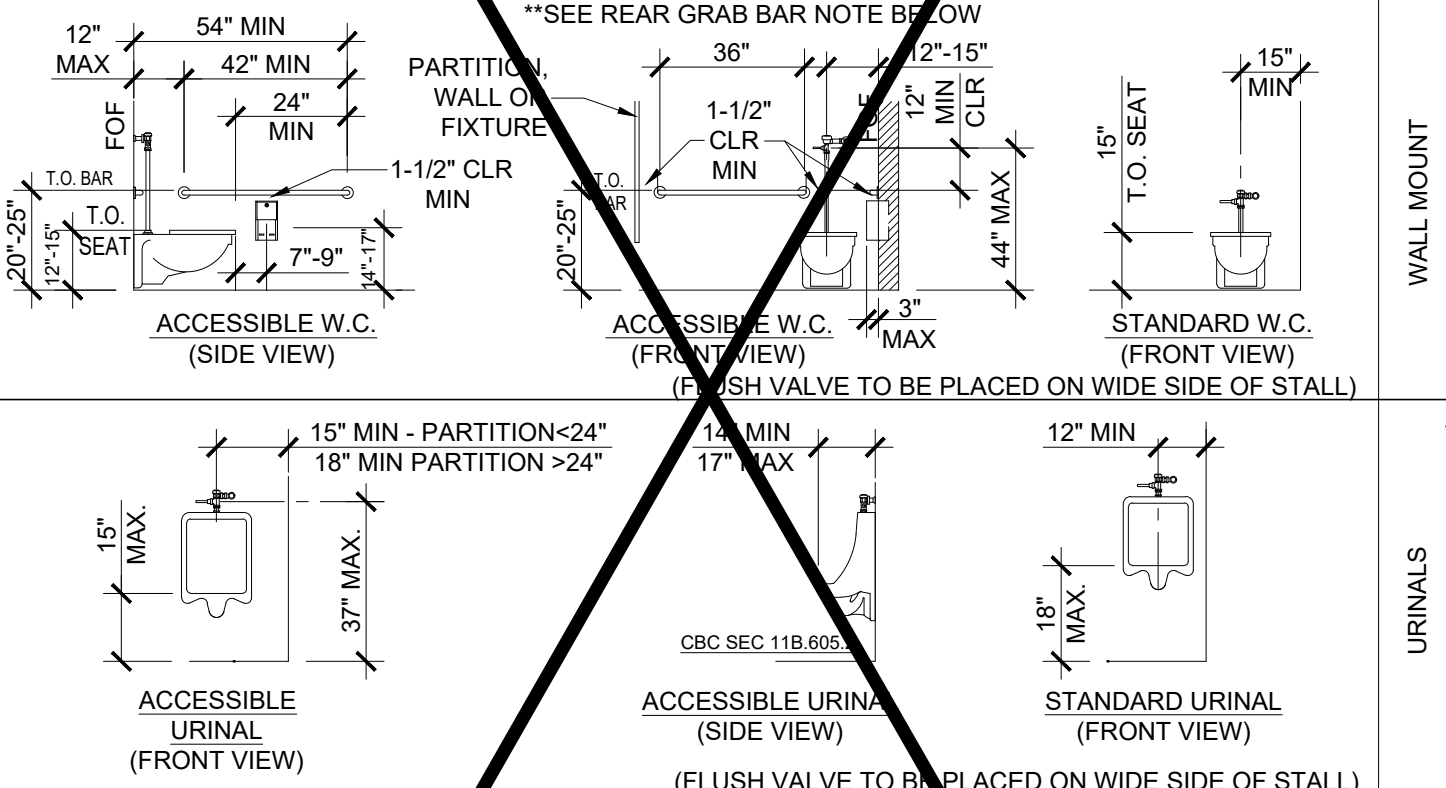
A	SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION	C	TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX. PROJECTION
B	PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCRUSCH INTO 30x48 CLEAR SPACE OF FIXTURE	D	TOILET SEAT DISPENSER: SURFACE MOUNTED 44" MAX. PER CODE
			** MOUNTED BETWEEN BACK WALL AND TOILET PAPER DISP.



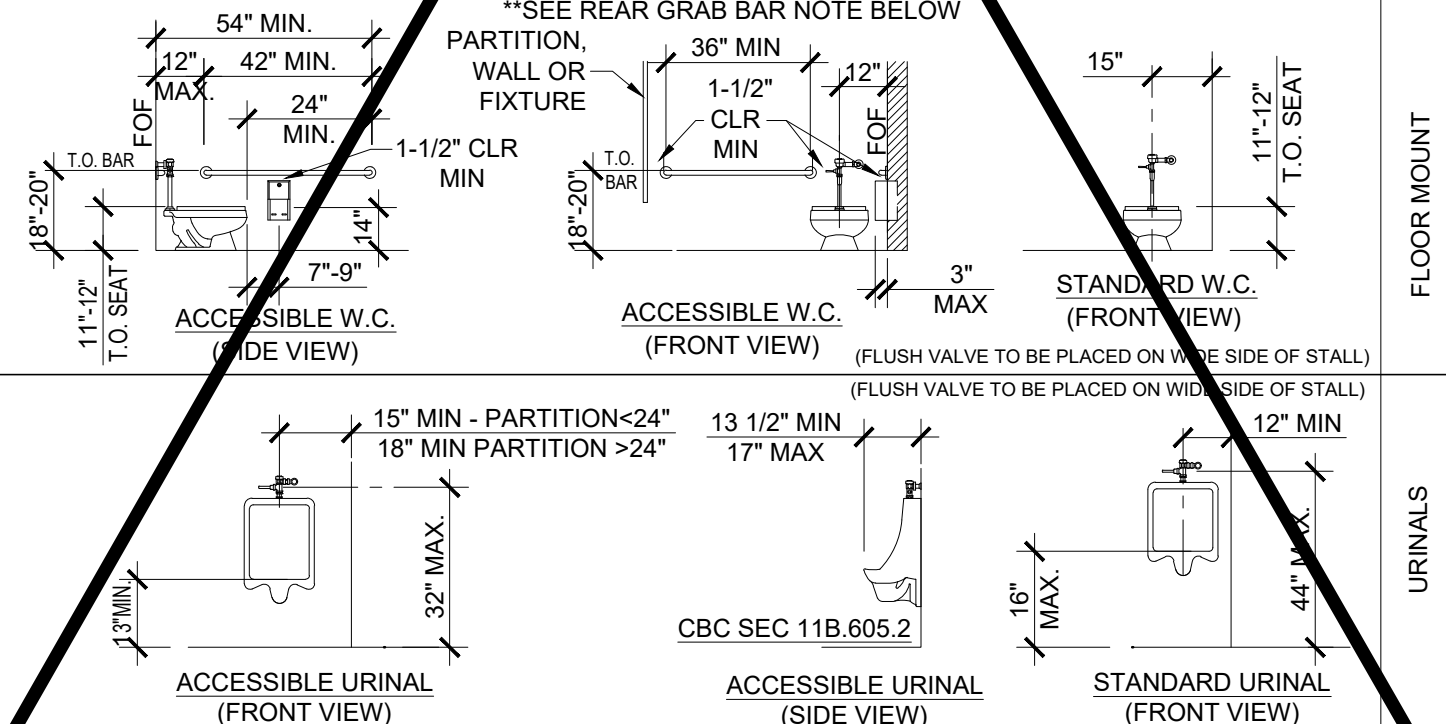
MOUNTING HEIGHTS TABLE



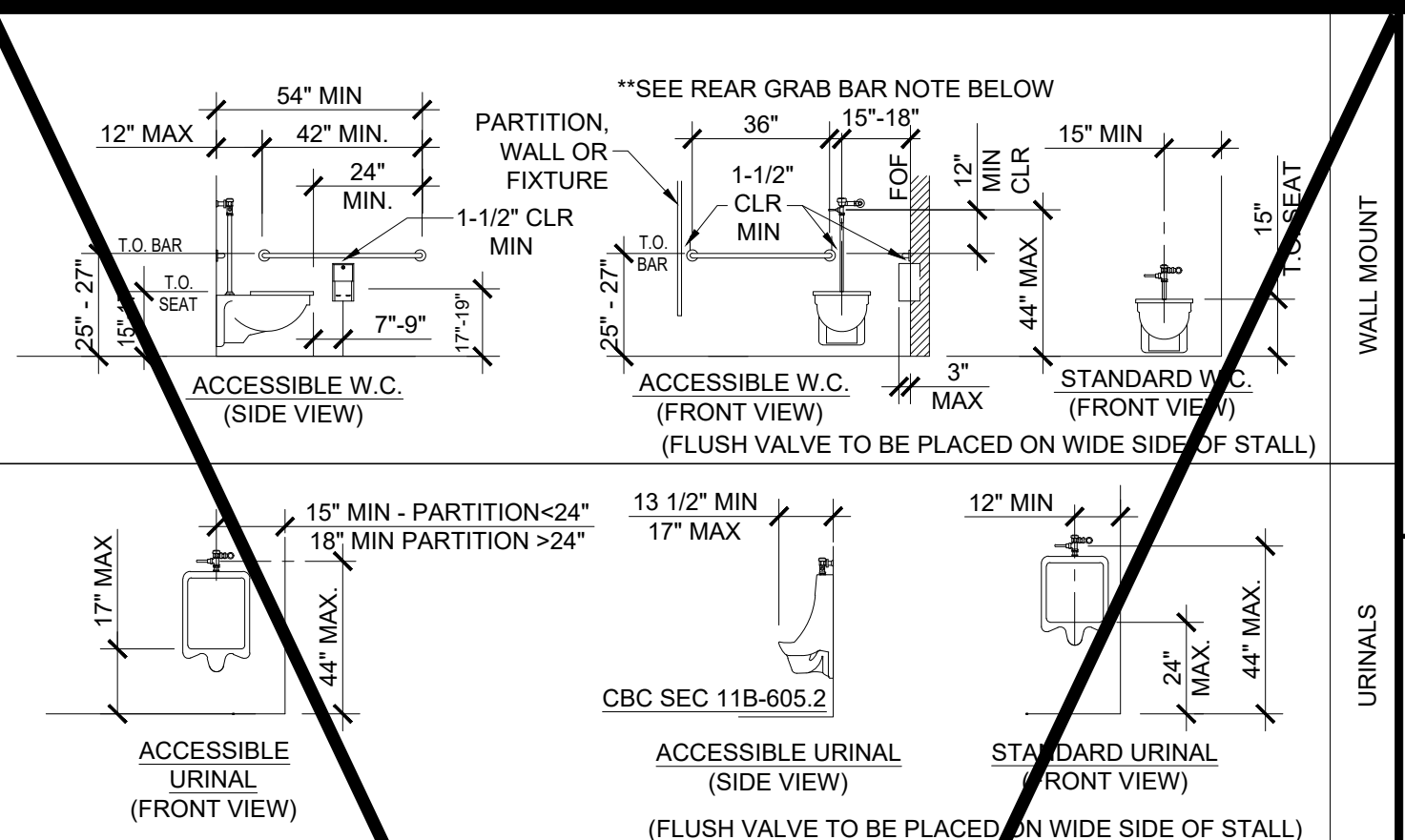
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



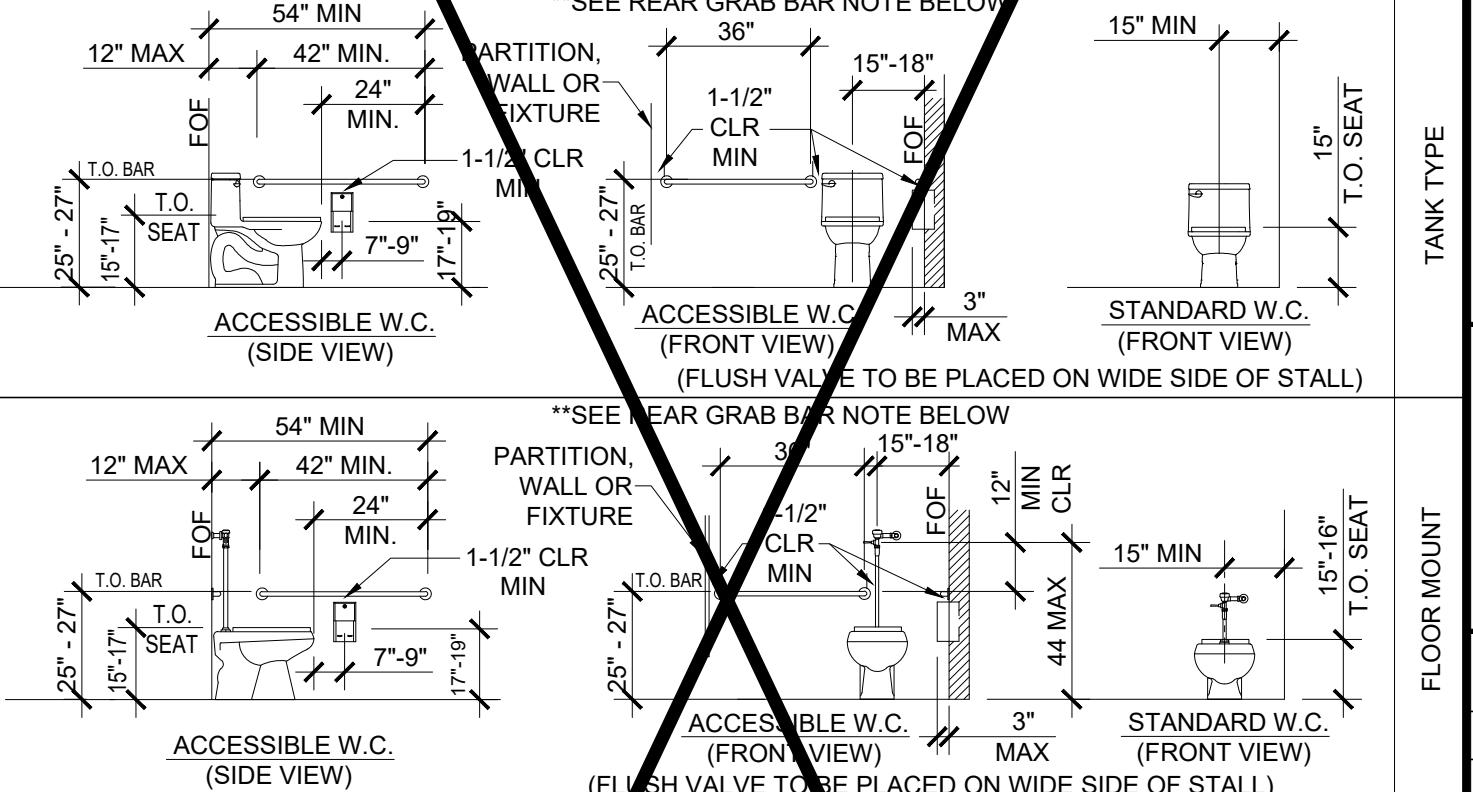
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)



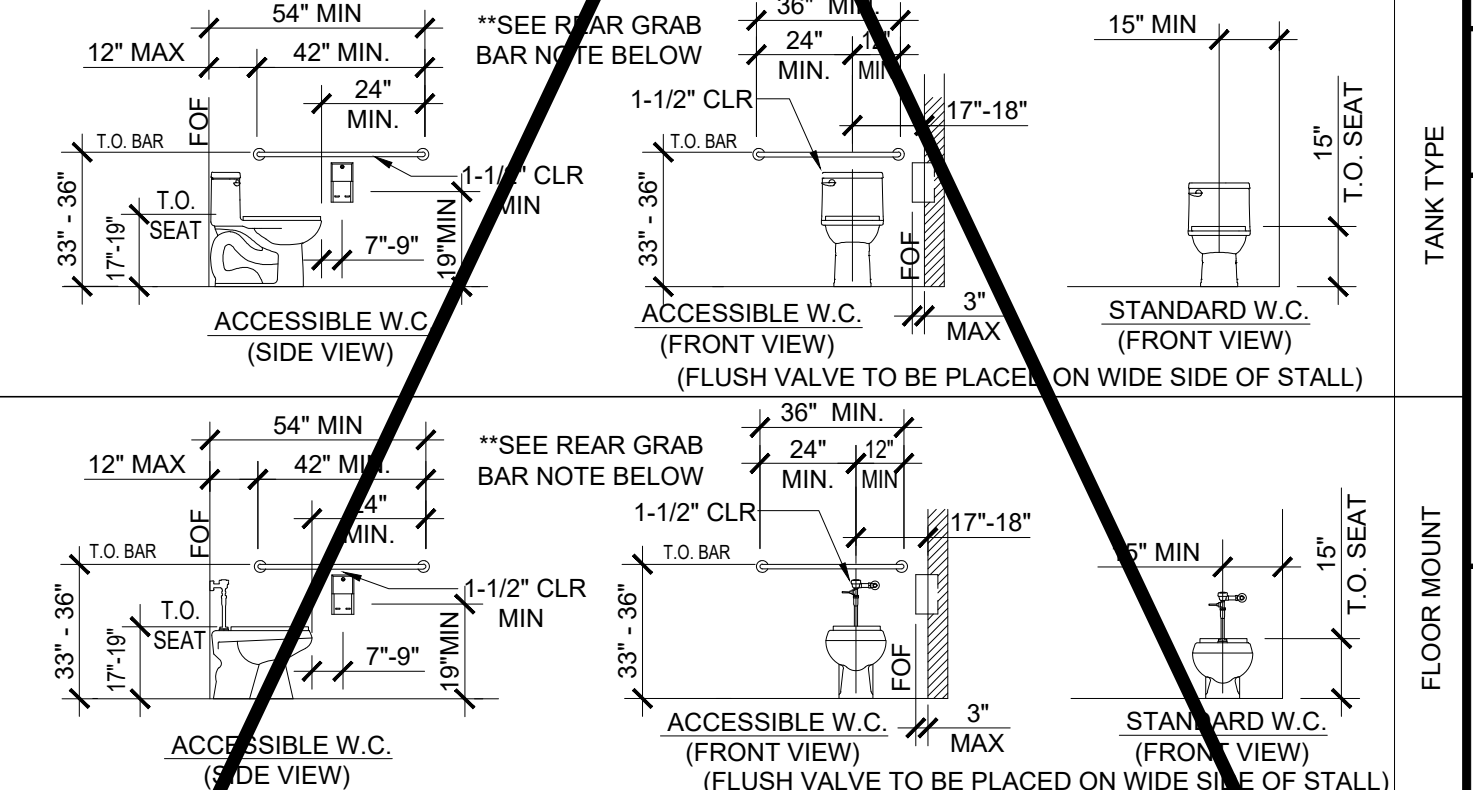
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)



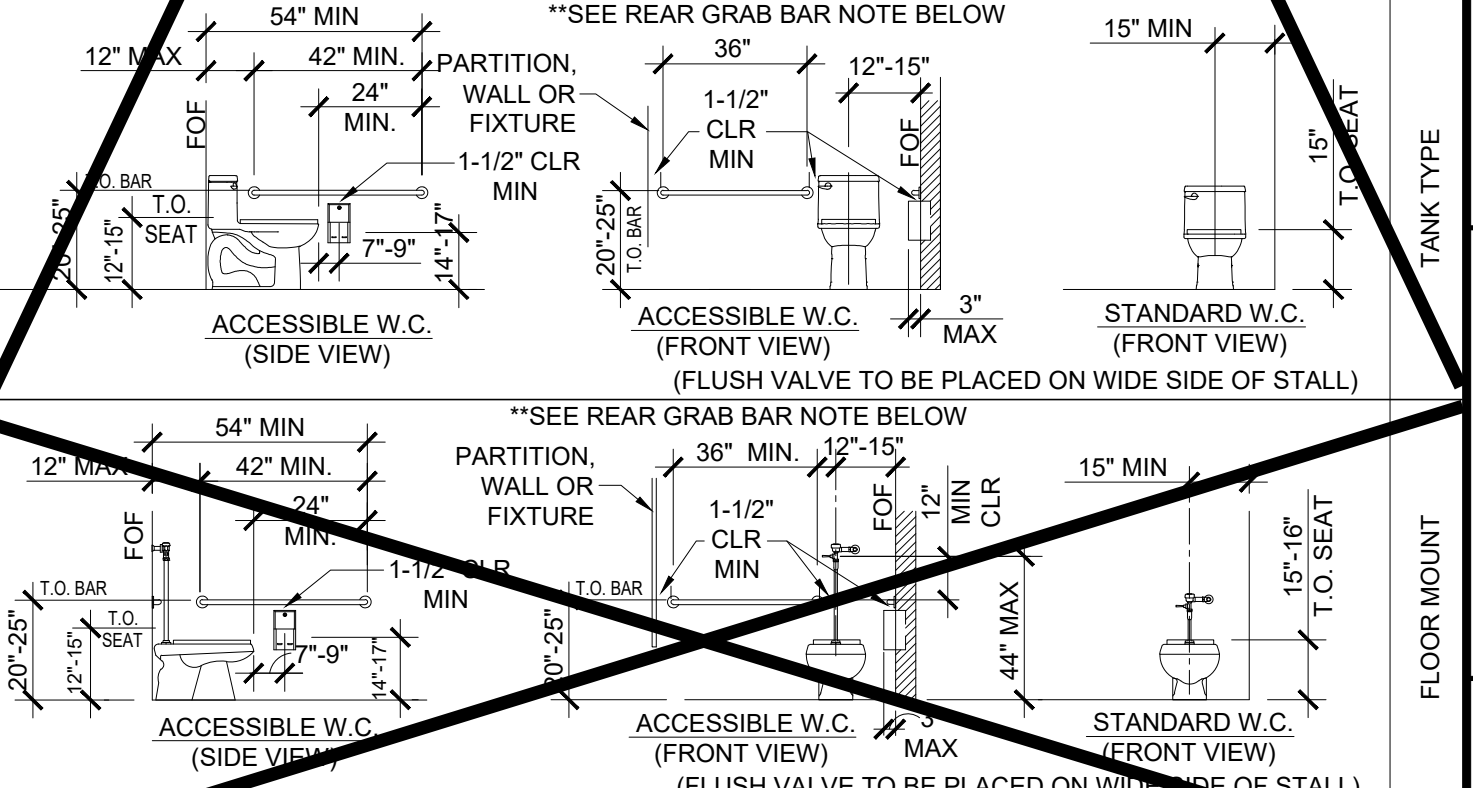
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



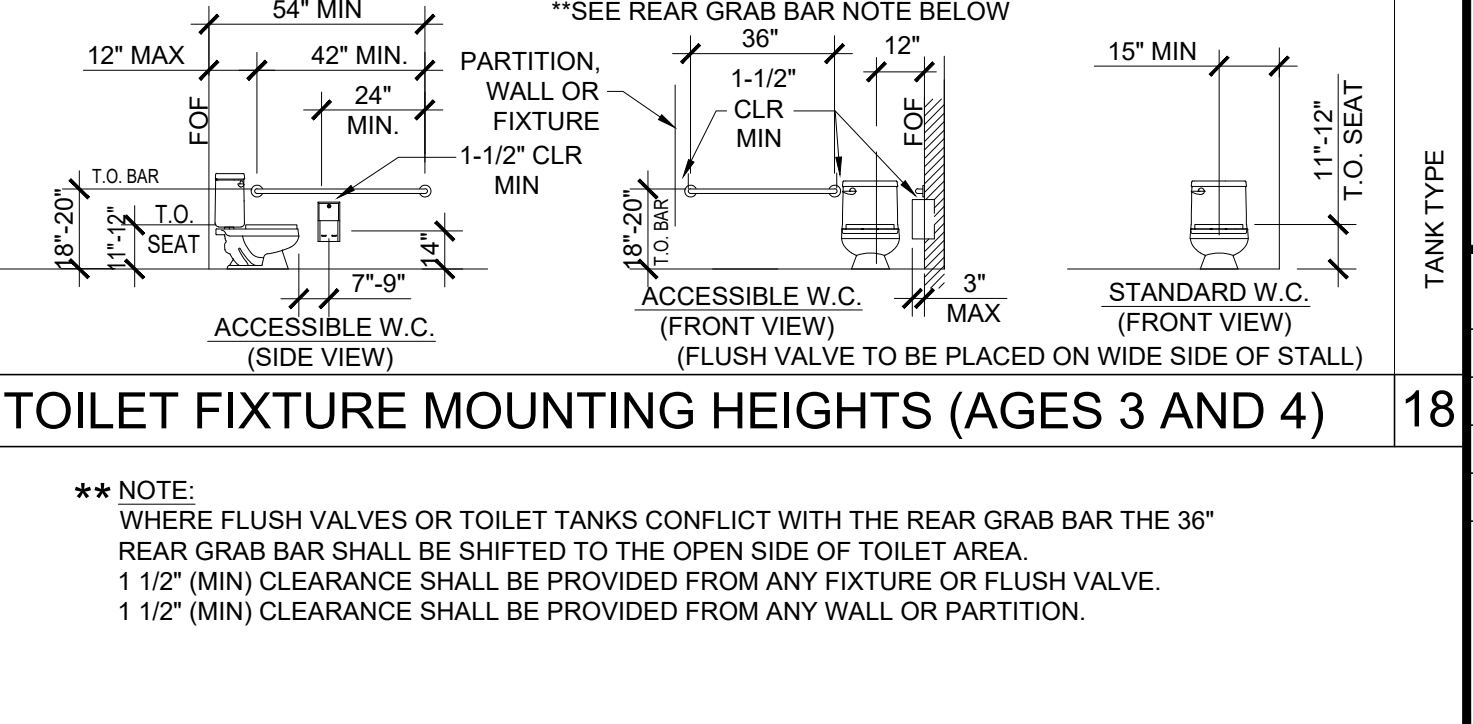
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

PLUMBING DETAILS
AND SCHEDULE

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC

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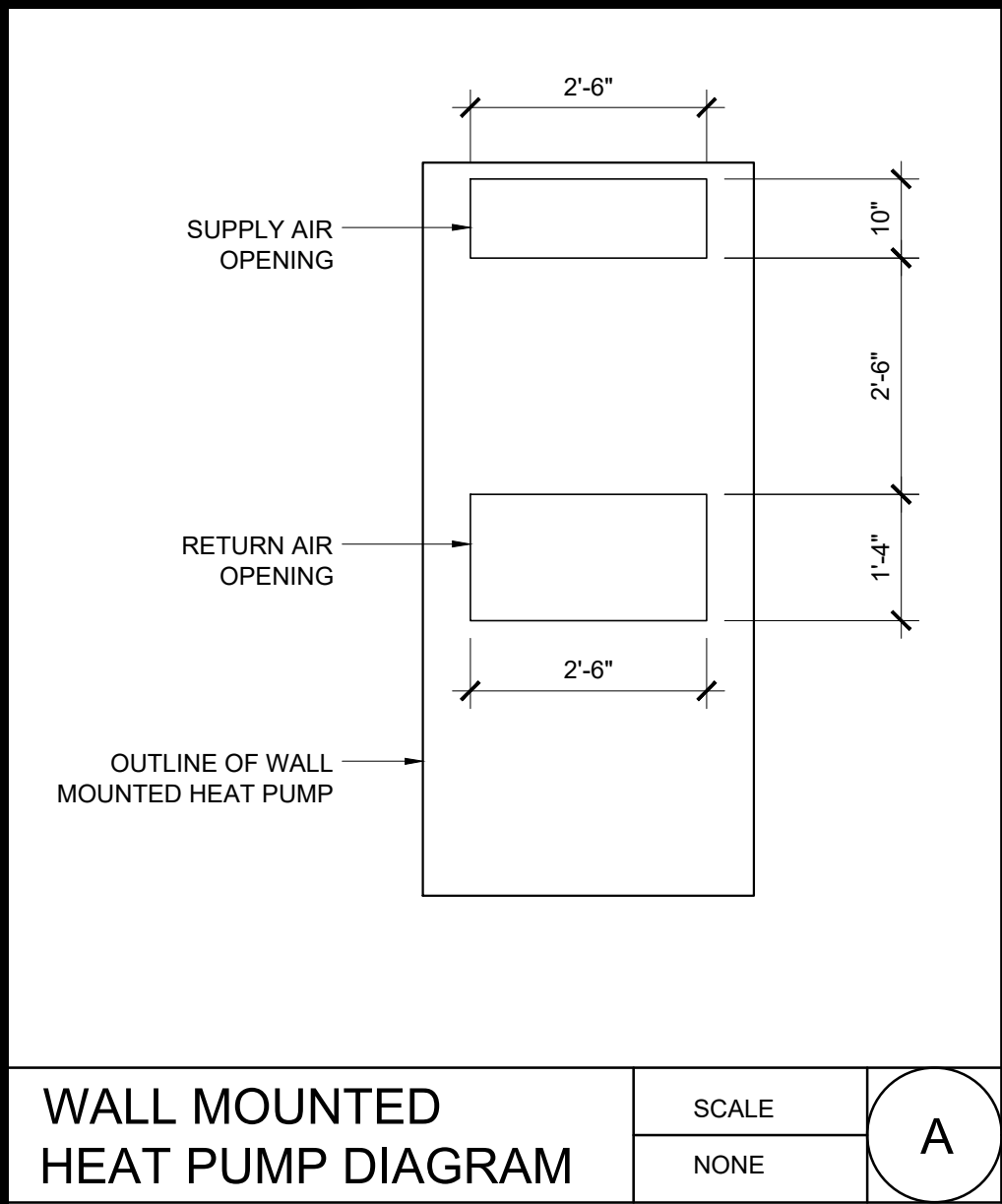
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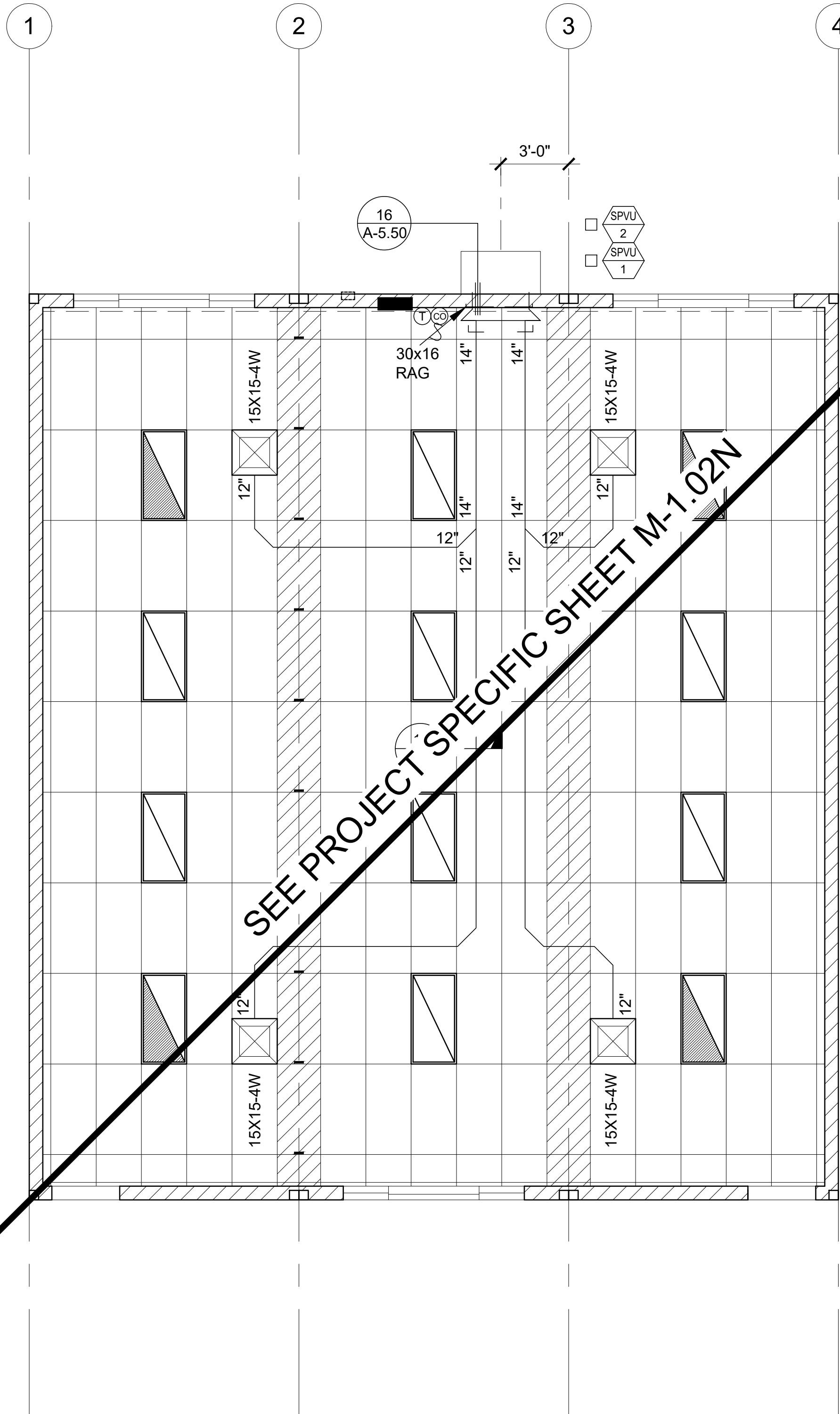
DATE: 02-27-2023

P.C. SHEET NUMBER

P-1.01



WALL MOUNTED HEAT PUMP DIAGRAM



MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE			
SPVU-1		SPVU-2	
HVAC Equipment Make and Model	BARD #W60HC-A00VN	BARD #T60S1-A00VN	
Nominal Tonnage	5	5	
BTUH:			
Heating	52,500	56,000	
Cooling	54,500	52,000	
Indoor/Blower Fan:			
BHP/HP	0.75/0.75	0.75/0.75	
CFM	1,750	1,650	
Strip Heating	NA	NA	
SEER	NA	NA	
EER	11.0	11.0	
HSPF	NA	NA	
COP	3.3	3.3	
Voltage	230/208-1	230	
MCA	42		
MCOP	60		
Wire Size (Pwr/ Grnd)	8 / 10		
Thermostat:			
Make and Model	Venstar #T4900SCH	Venstar #T4900SCH	
Setback	Yes	Yes	
Heat Pumps	Yes	Yes	
Shut-off and Reset:	Occupancy	Occupancy Sensor	
Economizer:			
Make and Model	Integr	Integrated	
Controls	Fixed	Fixed Dry Bulb	
Fault Detection	Yes	Yes	
Outside Air Damper Position		Varies	
Demand Control Ventilation		Yes	
Minimum DCV Outside Air in CFM	15 CFM / SF	0.15 CFM / SF	
Minimum Designed Outside Air in CFM	See Below	See Below	
Demand Shed Thermostat	NA	NA	
Operating Weight	595 #	660 #	

NOTES:
PROVIDE SET-BACK THERMOSTATS. SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT.
DESIGNED MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT.
PROVIDE AN OCCUPANCY SENSOR WITH AN AUTOMATIC SHUT DOWN CONTROLS.
PROVIDE 2" MERV 13 FILTERS.
AIR HANDLERS WITH 12" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 14" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 16" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 18" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 20" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 22" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 24" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 26" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 28" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 30" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 32" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 34" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 36" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 38" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 40" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 42" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 44" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 46" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 48" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 50" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 52" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 54" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 56" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 58" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 60" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 62" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 64" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 66" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 68" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 70" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 72" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 74" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 76" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 78" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 80" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 82" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 84" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 86" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 88" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 90" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 92" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 94" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 96" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 98" FILTERS SHALL BE ACCEPTABLE.
AIR HANDLERS WITH 100" FILTERS SHALL BE ACCEPTABLE.

MECHANICAL EQUIPMENT SCHEDULE

NOTE:
THIS MECHANICAL SYSTEM SHALL PROVIDE A MINIMUM OUTSIDE AIR RATE OF 0.38 CFM / SF OR 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY THE EXPECTED OCCUPANT LOAD WITH THE SCHOOL DISTRICT PRIOR TO SELECTION OF THE MECHANICAL EQUIPMENT. THE SELECTED EQUIPMENT SHALL BE CAPABLE OF MEETING THE OUTSIDE AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING WILL BE LOCATED. AT THE TIME OF OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO THE BUILDING OWNER A CALCULATION INDICATING THE VOLUMES OF OUTSIDE AIR AND OF RECIRCULATED AIR THAT THE VENTILATION SYSTEM HAS BEEN DESIGNED TO PROVIDE.

VENTILATION CALCULATIONS:

36' X 40' CLASSROOM
MINIMUM REQUIRED VENTILATION
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

NOTE:
THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE OUTSIDE AIR IN EXCESS OF THE DESIGNED VOLUME INDICATED ABOVE. THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT REDUCE THE OUTSIDE AIR TO LESS THAN 25% OF THE DESIGNED VOLUME INDICATED ABOVE.

NOTE:
BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

NOTE:
THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

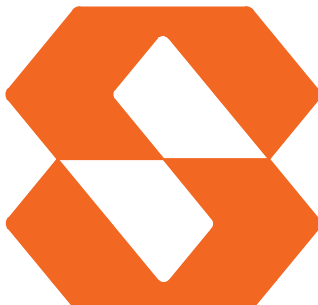
MECHANICAL PLAN
WALL MOUNT
36' x 40'

REVISIONS	
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2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 08-121999
REVIEW FOR
SS ☒ PLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

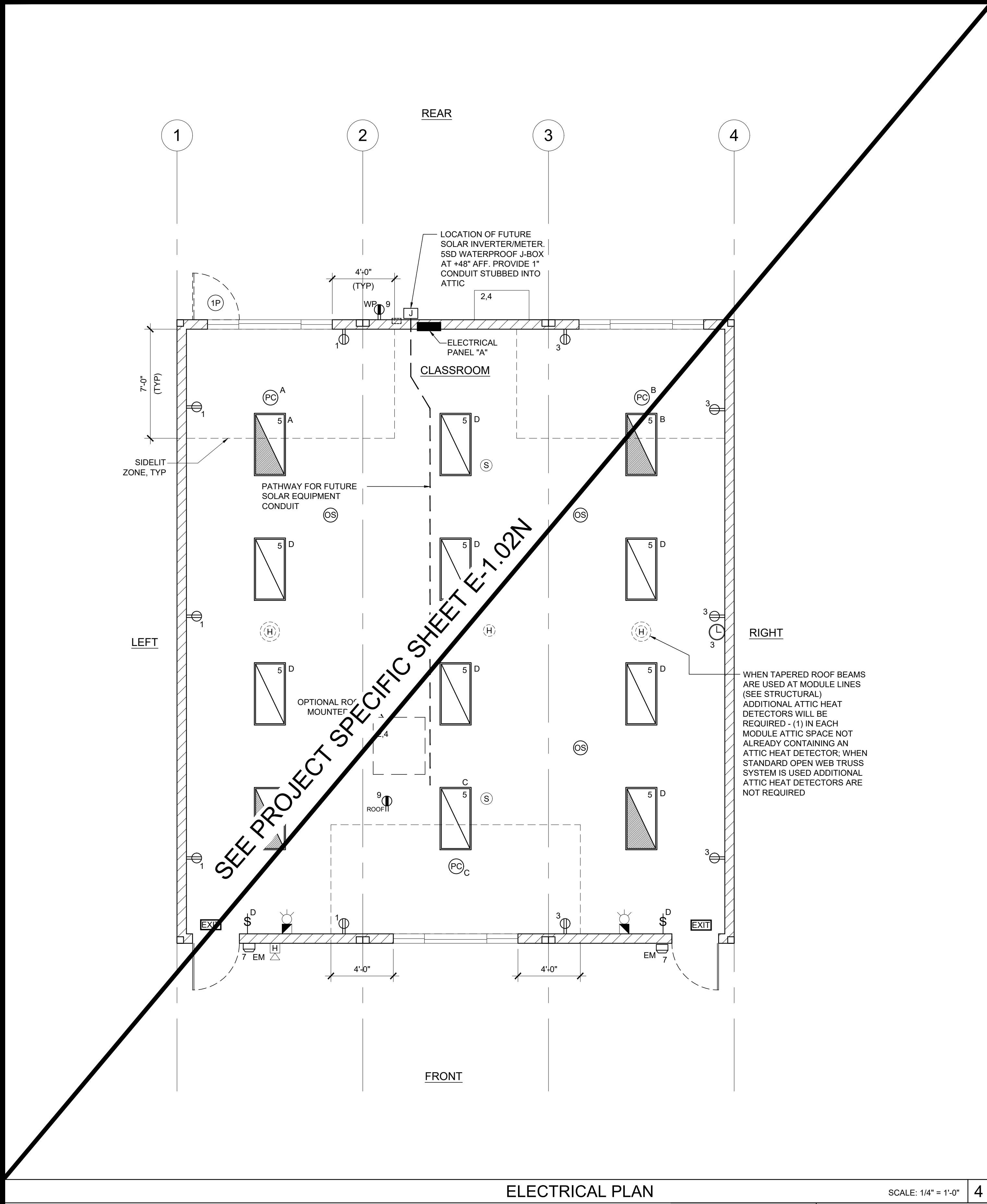
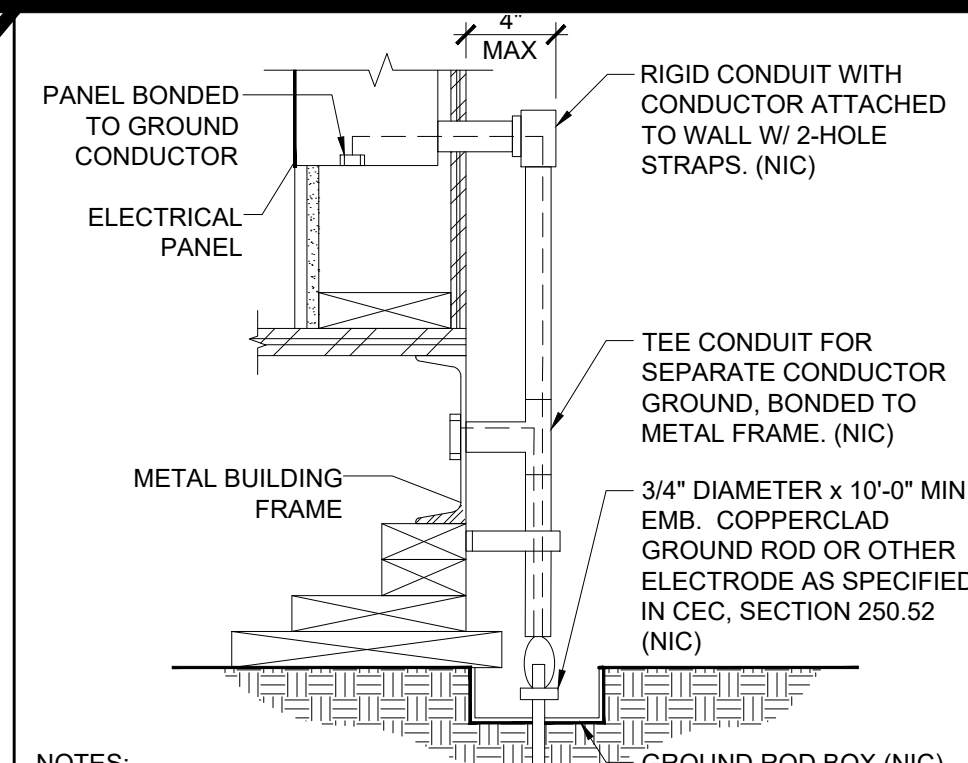
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SCALE: AS NOTED

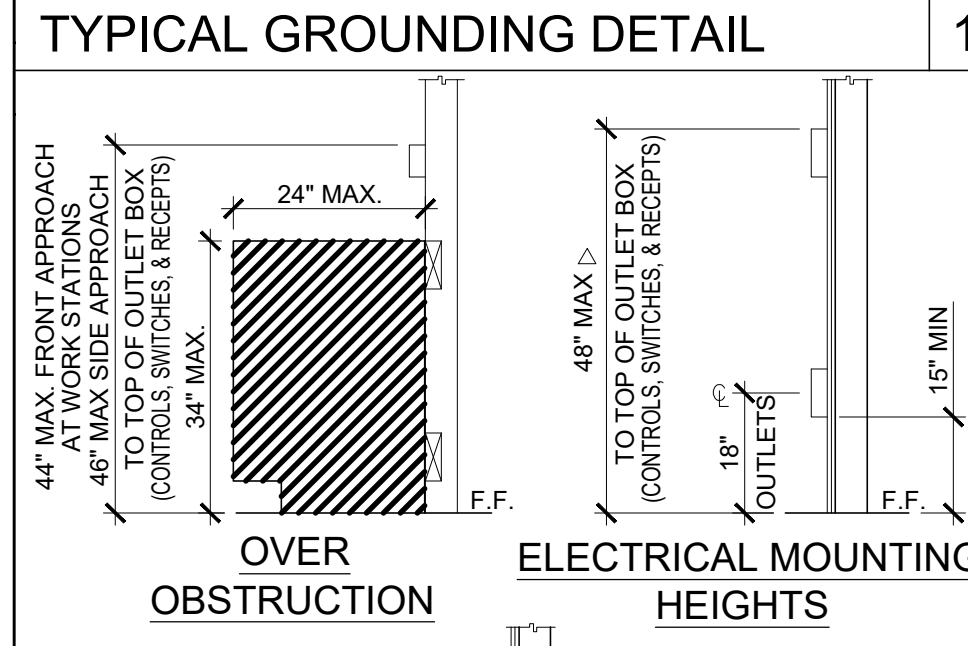
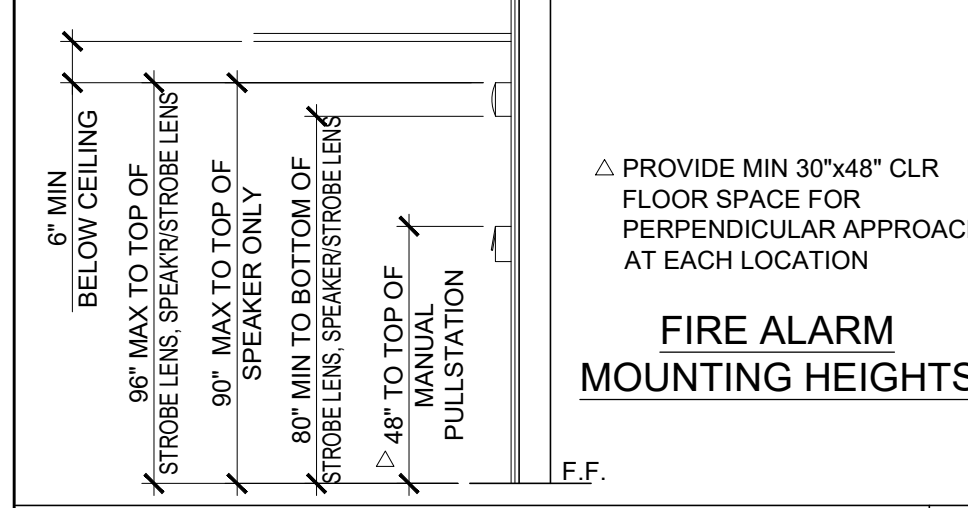
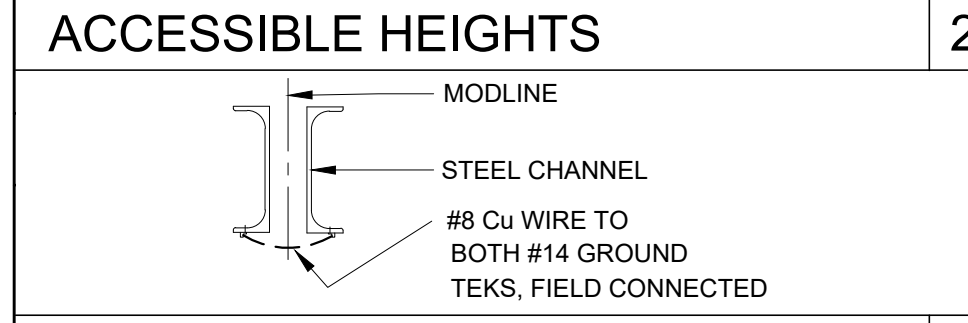
DATE: 02-27-2023

P.C. SHEET NUMBER

M-1.02



- NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
 2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
 3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
 4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
 5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).



GROUND JUMPER AT MODLINE

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED. ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE. APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAY BE REQUIRED TO BE CHANGED DUE TO THE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 SECTION 10.6.5.2

MEP COMPONENT ANCHORAGE NOTE

- ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

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

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPA FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

THE LIGHTING CONTROL SYSTEM BASIS OF DESIGN SHALL BE THE LUTRON VIVE WIRELESS LIGHTING CONTROL SYSTEM. THE SYSTEM SHALL BE CAPABLE OF PROVIDING MANUAL CONTROL, OCCUPANCY SENSING CONTROL AND DAYLIGHT HARVESTING CONTROL.

SEQUENCE:

OCCUPANT ENTERS:
ALL LIGHTS AUTOMATICALLY TURN ON TO 50% LIGHT LEVEL. OCCUPANT MAY INCREASE LIGHTS TO MAXIMUM LEVEL MANUALLY WITH WALL CONTROL.
WHEN OCCUPIED:
LIGHTING IN DAYLIT ZONES AUTOMATICALLY DIM/BRIGHTEN BASED ON DAYLIGHT AVAILABILITY. OCCUPANT MAY MANUALLY DIM/BRIGHTEN THE LIGHTS WITH WALL CONTROL.
OCCUPANT EXITS:
ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACANCY.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C. COPPER)						
WIRE SIZE	CAPACITY	WIRE TYPE	1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	66.0	38	34	28	17
6SD 4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN)
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTOCELL
- ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTS/TOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF
- DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE. HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN) EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- WALL MOUNTED LIGHT FIXTURE, 30 WATTS
- 4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB IN ATTIC AND PULL STRING
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

ELECTRICAL PANEL									
VOLTS: 120/208 V		PANEL: WALL MOUNTED HVAC		FEED: REAR					
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH					
LOAD	QTY	WATTS		BREAKER	Amps	P	AØ	BØ	QTY
		AØ	BØ						
RECEPTACLES	4	720		20	1	1			1
RECEPTACLES/CLOCK	5		900	20	1	3			
INTERIOR LIGHTING	8	960		20	1	5			
EXTERIOR LIGHTING	1		40	20	1	7			
WALL RECEPTACLE (GFI)	1	180		20	1	9			
DED - SOLAR READY									
DED - SOLAR READY									
A = 6690 WATTS / PHASE									
TOTAL = 12,500 WATTS		61 AMPS		120/208 VOLTS		1 Ø		3 WIRE	

ELECTRICAL PANEL									
VOLTS: 120/208 V		PANEL: "A" ROOF MOUNTED HVAC		FEED: REAR					
MAIN: 100 A		LOCATION: ACCESS		MOUNTING: RECESSED					
LOAD	QTY	WATTS		BREAKER	Amps	P	AØ	BØ	QTY
		AØ	BØ						
HVAC - WALL MOUNT	1								
INTERIOR LIGHTING	8	960		20	1	5			
EXTERIOR LIGHTING	1		40	20	1	7			
ROOF RECEPTACLE (GFI)	1	180		20	1	9			
DED - SOLAR READY									
DED - SOLAR READY									
A = 6402 WATTS / PHASE									
TOTAL = 11,924 WATTS		57 AMPS		120/208 VOLTS		1 Ø		3 WIRE	

PROJECT SPECIFIC STATE AGENCY APPROVAL

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S.S.F.U.S.D.
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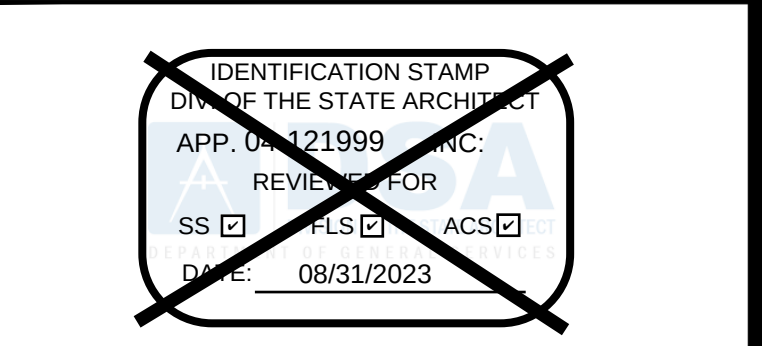
SHEET TITLE:

ELECTRICAL PLAN
AND SCHEDULE
36' x 40'

REVISIONS

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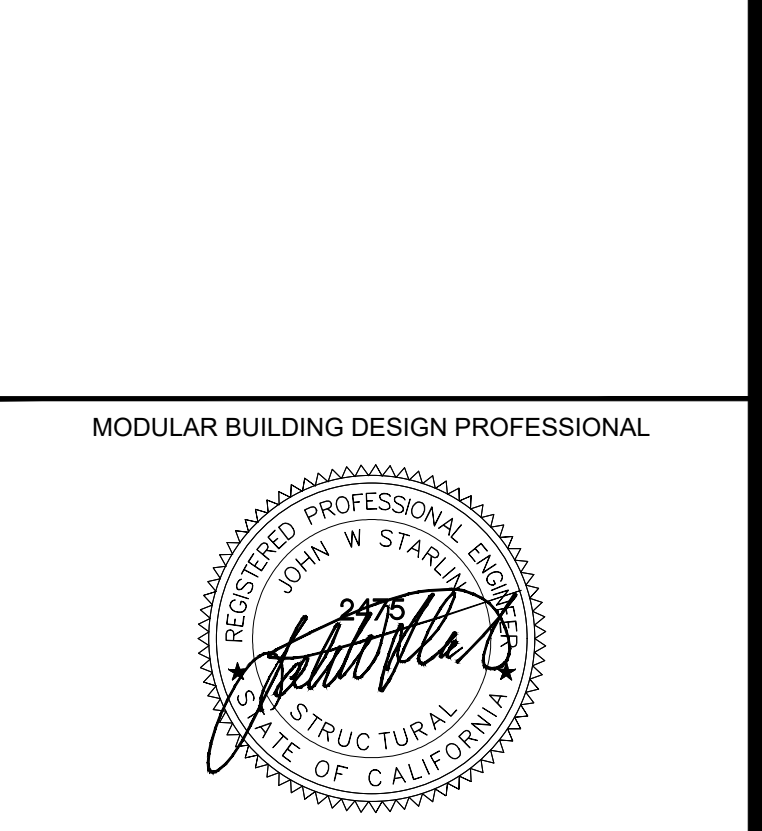
PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

E-1.02