

SITE IMPROVEMENTS FOR AND RELOCATION OF (7) RELOCATABLE CLASSROOM BUILDINGS (TEMPORARY - MAXIMUM OF 3 YEARS)

Pioneer Elementary School Bakersfield City School District

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC.
REVIEWED FOR
SS FLS ACS
DATE: 06/08/2023

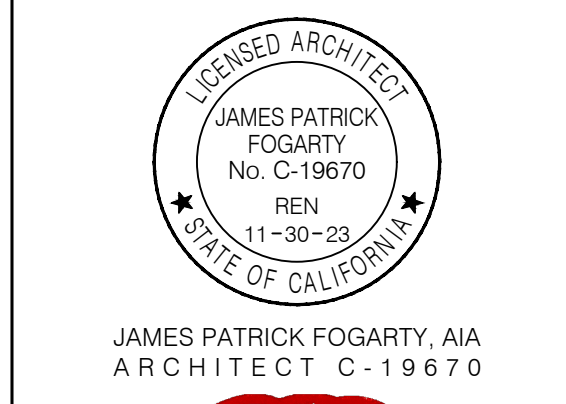


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SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

Pioneer
Elementary School
4404 Pioneer Dr, Bakersfield, CA 93306
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT, C-19670

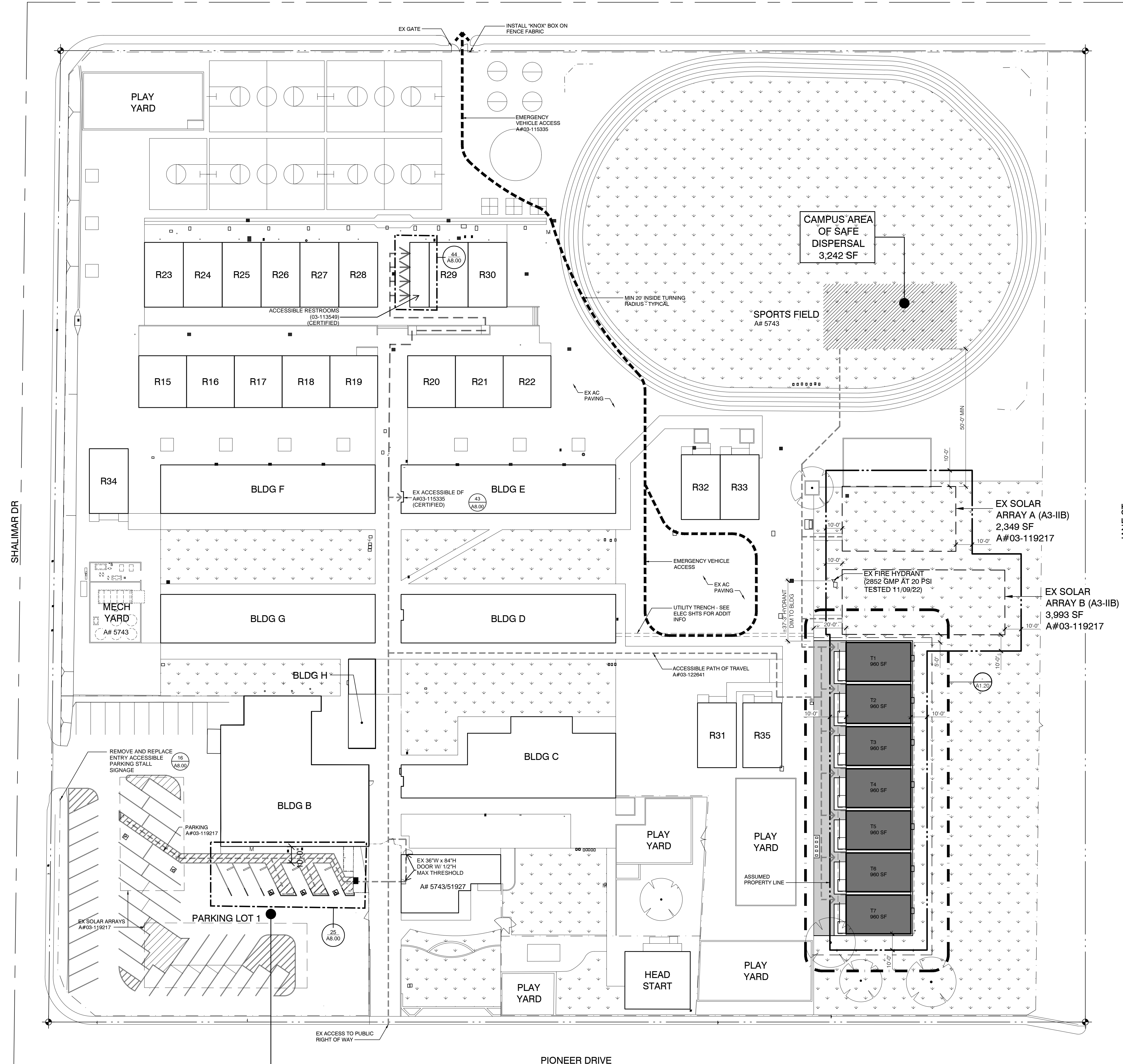


CONSULTANT

SHEET INDEX		44 SHEETS		4 SHEETS		GENERAL NOTES		APPLICABLE CODES		BUILDING ANALYSIS AREA			
Architectural Sheets		4 SHEETS		Relocatable Building Sheets (Prepared By Others)		4 SHEETS		Title 19, CCR		BUILDING ANALYSIS AREA			
<p>A0.00 TITLE SHEET</p> <p>A1.00 CAMPUS SITE PLAN</p> <p>A1.20 PARTIAL SITE PLAN</p> <p>A8.00 DETAILS</p>		<p>Elite Modular Soles and Leasing Inc. (#A#04-120373 PC)</p> <p>CP COVER SHEET</p> <p>WFS-01 STRUCTURAL SPECIFICATIONS WOOD FOUNDATIONS</p> <p>WF-04 WOOD FOUNDATION PLAN</p> <p>WFO-01 FOUNDATION DETAILS</p>		<p>1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).</p> <p>2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CCR APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24, CCR, PART 1, SECTION 4, GROUP 1, 4.338.</p> <p>3. A CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</p> <p>4. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS OF DSA AND OTHER APPROVING/PERMITTING AUTHORITIES IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR DUAL REQUIREMENTS THE MORE RESTRICTIVE REQUIREMENTS WILL PREVAIL.</p> <p>5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p>6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p> <p>7. THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISION FOR THE POT REQUIREMENTS FOR ALTERATION, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.</p> <p>8. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THIS PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.</p>		<p>1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS (TITLE DOCUMENTS) AND ALL OTHER LOCAL CODES AND ORDINANCES OF THE GOVERNING AUTHORITY HAVING JURISDICTION AND AS IDENTIFIED UNDER APPLICABLE CODES ON THIS SHEET. IT IS THE INTENT OF THESE DOCUMENTS TO COMPLY HERETO.</p> <p>2. ALL DRAWINGS SHALL BE USED IN CONCERT WITH EACH OTHER. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCY BETWEEN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT. REFER TO THE ARCHITECTURAL AND ENGINEERING DRAWINGS FOR PLACEMENT, ORIENTATION AND COORDINATION OF WORK. INFORMATION SHOWN IN LARGER SCALE IS INTENDED TO SUPPLEMENT INFORMATION OF SMALLER. PRECEDING REFERENCE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.</p> <p>3. NOTATION MARKED "TYPICAL" (TYP) SHALL BE CONSISTENT THROUGHOUT ALL SUCH REFERENCE NOMENCLATURE, SYMBOLS AND DRAWING INDICATIONS OF LIKE OR SIMILAR KIND.</p> <p>4. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY ASSOCIATED WORK. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK.</p> <p>5. CONTRACTOR SHALL VERIFY AT THE SITE ALL EXISTING CONDITIONS PRIOR TO SUBMITTAL OF BIDS. SITE VISITS DURING BIDDING SHALL BE COORDINATED WITH THE OWNER IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.</p> <p>6. CONTRACTOR SHALL PROTECT ALL EXISTING WORK. ANY DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES.</p> <p>7. EXISTING WORK IS SHOWN FOR REFERENCE ONLY. THE OWNER AND/OR ARCHITECT DO NOT GUARANTEE EXISTING CONDITIONS AS SHOWN ON THESE DOCUMENTS.</p> <p>8. CONTRACTOR'S BID IS RESPONSIBLE FOR THEIR OWN CLEANUP WORK PROGRESS.</p> <p>9. MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS THAT ARE DISCOVERED DURING THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE OWNER IN WRITING. WORK IN THAT PARTICULAR AREA SHALL BE SUSPENDED UNTIL THE OWNER TESTS THE SUSPECT MATERIAL AND IT IS FOUND TO BE SAFE, OR THE MATERIAL HAS BEEN PROPERLY ABATED.</p> <p>10. ALL WORK IS NEW UNLESS OTHERWISE NOTED.</p> <p>11. IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN.</p> <p>12. STORAGE OF CONSTRUCTION MATERIAL AND EFFECT OF WORK ON EXISTING OCCUPIED AREAS SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY.</p> <p>13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK PROVIDED BY OTHERS UNDER SEPARATE CONTRACT(S).</p> <p>14. KEYNOTES USED ON THE ARCHITECTURAL DRAWINGS ARE FOR ASSEMBLIES, MATERIAL REFERENCES AND NOTES. REFER TO THE KEYNOTES LIST ON THE RESPECTIVE DRAWING FOR THE INFORMATION TO EACH KEYNOTE.</p> <p>15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH CFC CHAPTER 33, SAFETY DURING CONSTRUCTION.</p> <p>16. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION.</p> <p>17. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO DSA FOR APPROVAL.</p> <p>18. SUBSTITUTIONS AFFECTING DSA REGULATIONS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT (DSA 149) OR ADDENDA AND APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.</p>		<p>19. GROUND TEST AND FIRE ALARM TESTS SHALL BE WITNESSED BY THE INSPECTOR.</p> <p>20. CONSTRUCTION SITE MUST BE IN COMPLIANCE WITH CFC CHAPTER 14 AT ALL TIMES.</p> <p>21. ONE COPY OF TITLE 24 CCR PARTS 1-5 AND 9 SHALL BE KEPT ON SITE DURING CONSTRUCTION.</p> <p>22. MINIMUM BEARING CAPACITY OF THE SOILS IS 1000 PSF FOR ALL SITES IN THIS PROJECT.</p> <p>23. RELOCATABLE ARE TO BE APPROVED FOR CLIMATE ZONE 13.</p> <p>24. NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.</p> <p>25. THE PROVISIONS OF CCR AND CFC CHAPTER 33, SHALL BE ENFORCED ON THIS PROJECT.</p> <p>26. ALL EXITS SHALL BE OPERABLE DURING BUSINESS HOURS FROM INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE. NO DEAD OR SLIDING BOLTS, NO LATCH OR LATCHING DEVICE EXCEPT PANIC HARDWARE PERMITTED (CBC 1010.1.9, 1010.1.9.4).</p> <p>27. CONCRETE STRENGTH IS TO BE MINIMUM 3000 PSI AT 28 DAY CUREMENT IS TO BE ASTM C150 TYPE II V.</p> <p>28. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 43841 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).</p> <p>29. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(G), PART 1, TITLE 24, CCR).</p> <p>30. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS.</p> <p>31. IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.</p> <p>32. FOUNDATIONS ARE DESIGNED BASED ON A SOIL-BEARING PRESSURE OF 1000 PSF.</p>		<p>Title 19, CCR</p> <p>CCR PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p>Title 24, CCR</p> <p>2010 ADA STANDARDS FOR ACCESSIBLE DESIGN</p> <p>PART 1 2022 CALIFORNIA ADMINISTRATIVE CODE</p> <p>PART 2 2022 CALIFORNIA BUILDING CODE VOLUME 1 AND 2 (2021 IBC, WITH 2022 CALIFORNIA AMENDMENTS)</p> <p>PART 3 2022 CALIFORNIA ELECTRICAL CODE (2020 EDITION NATIONAL ELECTRICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)</p> <p>PART 4 2022 CALIFORNIA MECHANICAL CODE (2021 EDITION IAPMO UNIFORM MECHANICAL CODE)</p> <p>PART 5 2022 CALIFORNIA PLUMBING CODE (2021 EDITION IAPMO UNIFORM PLUMBING CODE)</p> <p>PART 6 2022 CALIFORNIA ENERGY CODE</p> <p>PART 8 2022 CALIFORNIA HISTORICAL BUILDING CODE</p> <p>PART 9 2022 CALIFORNIA FIRE CODE (2021 EDITION, INTERNATIONAL FIRE CODE)</p> <p>PART 9 2022 CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION</p> <p>PART 10 2022 EXISTING BUILDINGS CODE (2021 INTERNATIONAL EXISTING BUILDING CODE)</p> <p>PART 11 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE</p> <p>PART 12 2022 CALIFORNIA REFERENCED STANDARDS CODE</p> <p>NFPA 13 2022 EDITION, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2022 OF CALIFORNIA</p> <p>NFPA 14 2019 EDITION, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS</p> <p>NFPA 17 2021 EDITION, STANDARD DRY CHEMICAL EXTINGUISHING SYSTEMS</p> <p>NFPA 17A 2021 EDITION, STANDARD WET CHEMICAL EXTINGUISHING SYSTEMS</p> <p>NFPA 20 2019 EDITION, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION</p> <p>NFPA 22 2018 EDITION, STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION</p> <p>NFPA 24 2019 EDITION, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES</p> <p>NFPA 25 2013 EDITION, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED)</p> <p>NFPA 72 2022 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE 2022 OF CALIFORNIA</p> <p>NFPA 80 2019 EDITION, STANDARD FOR FIRE DOOR AND OPENING PROTECTIVES</p>		<p>TYPE OF CONSTRUCTION: V-B (RELOCATABLE) I-B (SOLAR ARRAY)</p> <p>OCCUPANCY CLASSIFICATION: E-EDUCATION (RELOCATABLE) A3-ASSEMBLY (SOLAR ARRAY)</p> <p>ALLOWABLE AREA: SEE SHEET A1.00</p> <p>ALLOWABLE AREA INCREASE: SEE SHEET A1.00</p> <p>RELOCATABLE FLOOR AREA: 960 SF (PER RELOCATABLE)</p> <p>OVERHANG AREA: 120 SF (PER RELOCATABLE)</p> <p>TOTAL BUILDING FLOOR AREA: 6,720 (960*7) + (120*7)*2 (PER RELOCATABLES) 2,340 SF (SOLAR ARRAY *1) 3,963 SF (SOLAR ARRAY *8) 13,002 SF TOTAL = 16,625</p> <p>OCCUPANT LOAD (TABLE 1004.5): 48 OCCUPANTS PER RELOCATABLE BLDG (38 OCCUPANTS TOTAL / 7 RELOCATABLES) 7.5F OCC (SOLAR ARRAYS) (2,349 + 3,993/7) = 906 1,242 TOTAL OCCUPANTS</p> <p>BUILDING HEIGHT: +11'-0" = ALLOWABLE HEIGHT (40, 55) (TABLE 504.3)</p> <p>NUMBER OF STORIES: ONE = ALLOWABLE STORIES (1,2) (TABLE 504.4)</p> <p>AUTOMATIC SPRINKLERS: NO</p> <p>STAND PIPE: NOT REQUIRED</p> <p>FIRE ALARM: YES</p> <p>SEISMIC DESIGN CATEGORY: 0</p> <p>D 0.49</p> <p>S₁ 0.344</p> <p>S₂ 0.789</p> <p>S₃ 0.761</p> <p>WIND LOAD ANALYSIS: 110 MPH - EXPOSURE C</p> <p>FEMA FIRM PANEL NO: 06020C2328E</p> <p>06/08/2008 EFFECTIVE DATE</p> <p>FLOOD HAZARD ZONE "X" (0.2%)</p> <p>BASE FLOOD ELEVATION (BFE) -409FT</p> <p>COMMUNITY ORDINANCE: BAC 15.74.040 (AREA OF MINIMAL FLOOD HAZARD)</p>	
Civil Sheets		2 SHEETS											
<p>C-1.0 COVER SHEET AND NOTES</p> <p>C-2.0 GRADING PLAN</p>													
Electrical Sheets		12 SHEETS											
<p>E0.01 GENERAL NOTES, SYMBOLS & DETAILS</p> <p>E0.02 OUTDOOR LIGHT COMPLIANCE FORMS</p> <p>E0.04 FIRE ALARM RISER DIAGRAM</p> <p>E0.05 FIRE ALARM NOTES</p> <p>E1.00 ELECTRICAL SITE PLAN</p> <p>E1.01 FIRE ALARM SITE PLAN</p> <p>E1.10 ELECTRICAL GROUNDING PLAN</p> <p>E1.20 PARTIAL SITE ELECTRICAL PANEL PLAN</p> <p>E1.30 PARTIAL SITE FIRE AND DATA/COMM PLANS</p> <p>E2.00 ENLARGED FIRE ALARM & DATA/COMM PLAN</p> <p>E3.00 ELECTRICAL SPECIFICATIONS</p> <p>E4.00 FIRE ALARM SPECIFICATIONS</p>													
Relocatable Building Sheets (Prepared By Others)		22 SHEETS											
Motech Inc. (STKP #A#04-104310)													
<p>A0.01 COVER SHEET</p> <p>A1.0 FLOOR PLAN 24 X 40'</p> <p>A2.0 ROOF PLAN</p> <p>A3.0 EXTERIOR ELEVATIONS</p> <p>A4.0 INTERIOR ELEVATIONS</p> <p>A5.0 SCHEDULE SHEET</p> <p>A6.0 ARCHITECTURAL DETAILS</p> <p>A6.1 ARCHITECTURAL DETAILS</p> <p>A7.0 REFLECTED CEILING PLAN</p> <p>A7.1 REFLECTED CEILING DETAILS</p> <p>S1.0 FLOOR FRAMING PLAN</p> <p>S1.2 STRUCTURAL DETAILS</p> <p>S2.0 ROOF FRAMING PLAN W/ FASCIA</p> <p>S2.1 STRUCTURAL DETAILS</p> <p>S3.0 STRUCTURAL ELEVATIONS</p> <p>S4.0 WALL FRAMING</p> <p>S5.0 FRAMING DETAILS</p> <p>S5.1 WALL FRAMING DETAILS</p> <p>M1.0 MECHANICAL (HVAC) PLAN</p> <p>E1.0 ELECTRICAL PLAN W/O DATA</p> <p>R1.00 RAMP/ LANDING</p> <p>R1.02 RAMP/ LANDING DETAILS</p>													

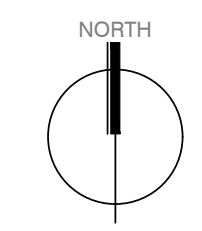
17-01-21M		17-01-21M		17-01-21M		17-01-19M		17-01-12		17-01-12							
DIRECTORY		ABBREVIATIONS		SCOPE OF WORK		FIRE PROTECTION/ COMMUNICATION		ARCHITECT'S STATEMENT		DETERIORATION OR EX NON-COMPLIANT CONSTRUCTION STATEMENT							
<p>Owner</p> <p>BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET BAKERSFIELD, CA 93305 PHONE: (661) 831-7851 FAX: (661) 831-7813 ATTN: MIKE HAMLIN</p>		<p>Architect</p> <p>AP ARCHITECTS 3434 TRUXTUN AVENUE, SUITE #240 BAKERSFIELD, CA 93301 PHONE: (661) 327-1690 FAX: (661) 327-7204 ATTN: J. PATRICK FOGARTY, AIA</p>		<p>Civil Engineer</p> <p>CORNERSTONE ENGINEERING, INC. 5059 YOUNG STREET BAKERSFIELD, CA 93311 PHONE: (661) 325-9474 ATTN: CLAUDE A. WHITTEN</p>		<p>Electrical Engineer</p> <p>JAMPE ELECTRICAL ENGINEERING 5050 MING AVENUE BAKERSFIELD, CA 93309 PHONE: (661) 831-67813 ATTN: JOHN MALONEY</p>		<p>Relocatable Building Vendor</p> <p>HILLSCOT 3991 INDIAN AVENUE PERRIS, CA 92571 PHONE: (909) 292-3554 ATTN: RODRIGO SALAZAR</p>		<p>THE FOLLOWING IS A BRIEF DESCRIPTION OF THE SCOPE OF WORK AS REQUIRED BY DSA. CONTRACTOR SHALL DETERMINE/VERIFY THE ENTIRE SCOPE AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING BIDS.</p> <p>1. SITE IMPROVEMENTS FOR RELOCATION OF (7) TEMPORARY USE RELOCATABLE CLASSROOM BUILDINGS DURING MODERNIZATION PROJECT MAXIMUM OF (3) YEARS.</p> <p>MOTTECH INC.</p> <p>IDENTIFIED BY THE FOLLOWING NUMBERS: STOCKPILE #A#4-104310 SN#47089-99, #57108-09, #57353-54, #57723-24, #57737-38, #57743-44, #57751-52</p> <p>ELITE MODULAR WOOD FOUNDATION: APP: 04-103373 PC</p>		<p>COMPLETE FIRE ALARM PLAN SUBMITTAL:</p> <p>THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO THE DIVISION OF THE STATE ARCHITECT FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.</p> <ol style="list-style-type: none"> PROVIDE ONE #4-10 BC RATED EXTINGUISHER FOR EACH CLASSROOM WITHIN THE PROJECT AREA CALCULATION. BUILDINGS SITED LESS THAN THREE YEARS AND USED FOR EDUCATIONAL PURPOSES (INSTRUCTION) SHALL PROVIDE AN APPROVED MANUAL FIRE ALARM SYSTEM CONSISTING OF MANUAL PULL STATIONS, VISUAL NOTIFICATION APPLIANCES AND AUDIBLE DEVICE(S) WITH A MINIMUM RATING OF 95 DB(A @ 10 FEET). BUILDINGS MORE THAN 25 FEET APART ARE TO BE PROVIDED WITH ADDITIONAL AUDIBLE DEVICES TO ENSURE THE FIRE ALARM SIGNAL CAN BE HEARD WITH ADJACENT BUILDINGS. BUILDINGS MORE THAN 25 FEET FROM OTHER BUILDINGS, INCLUDING OTHER TEMPORARY BUILDINGS, WITH A STAND-ALONE FIRE ALARM SYSTEM SHALL PROVIDE AN APPROVED "TWO-WAY COMMUNICATION" WITH THE MAIN ADMINISTRATION OFFICES CONSISTING OF AN INTERCOM SYSTEM, PERMANENTLY MOUNTED TELEPHONE OR "WALKIE-TALKIE" DEVICES OR OTHER SIMILAR SYSTEMS. BUILDINGS THAT ARE LESS THAN 25 FEET FROM EXISTING PERMANENT BUILDINGS ON THE SITE SHALL BE INTERCONNECTED WITH THE CAMPUS FIRE ALARM. BUILDING MUST BE EQUIPPED WITH AT LEAST ONE MINIMUM RATED 3A-10BC FIRE EXTINGUISHER MOUNTED AT NOT MORE THAN 48 INCHES TO THE HANDLE ABOVE THE FINISHED FLOOR, NEAR THE MAIN EXITS AND WITHIN 75 FOOT TRAVEL DISTANCE FROM ANY POINT WITHIN THE BUILDING. (NOTE: "TRAVEL DISTANCE" SHALL NOT INCLUDE PATHS THROUGH NORMALLY LOCKED DOORS.) 		<p>ARCHITECTS/ENGINEERS STATEMENT OF GENERAL CONFORMANCE WHO UTILIZE PLANS, CONTRACTOR SHALL DETERMINE/VERIFY THE ENTIRE SCOPE AS SHOWN ON THESE PROFESSIONALS AND/OR CONSULTANTS</p> <p>THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.</p> <p>THE ITEMS LISTED BELOW HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).</p> <p>LIST ITEMS REVIEWED AND ACCEPTED. REFER TO SHEET INDEX FOR A LIST OF DRAWINGS "PREPARED BY OTHERS" INCLUDING ALL DRAWINGS AND/OR CALCULATIONS PREPARED FOR BY:</p> <p>MOTTECH, INC. IDENTIFIED BY THE FOLLOWING NUMBERS: STOCKPILE #A#4-104310 SN#47089-99, #57108-09, #57353-54, #57723-24, #57737-38, #57743-44, #57751-52</p> <p>ELITE MODULAR WOOD FOUNDATION APP: 04-103373 PC</p> <p>THE STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17922 AND 81138 OF THE EDUCATION CODE, AND SECTIONS 4-338, 4-341, AND 4-344 OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-317 (B)).</p> <p>I FIND THAT: <input checked="" type="checkbox"/> ALL DRAWINGS OR SHEETS "PREPARED BY OTHERS" LISTED ON THE COVER OR INDEX SHEET <input type="checkbox"/> THIS DRAWING OR PAGE.</p> <p>DATE: 02-14-2023 DATE: 11-30-2023 DATE: 11-30-2023</p>		<p>IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS FOR THE EDITION OF CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT (CCD-TYPE A), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.</p> <p>ASSISTIVE LISTENING SYSTEMS</p> <p>ASSISTIVE LISTENING SYSTEM SHALL BE PROVIDED AT EACH CLASSROOM IN ACCORDANCE WITH SECTION 11B-219 AND 11B-706 OF THE CBC</p> <p>IDENTIFIED BY THE FOLLOWING NUMBERS: STOCKPILE #A#4-104310 SN#47089-99, #57108-09, #57353-54, #57723-24, #57737-38, #57743-44, #57751-52</p> <p>ELITE MODULAR WOOD FOUNDATION APP: 04-103373 PC</p> <p>1. THE NUMBER OF RECEIVERS FOR EACH CLASSROOM SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS BUT NO LESS THAN 2.</p> <p>2. SIGNAGE SHALL BE PROVIDED IN EACH CLASSROOM IN COMPLIANCE WITH SECTION 11B-216.10 AND 11B-703.7.2.4. SEE DTL.</p>	
<p>Anchor Bolt</p> <p>ANCHOR BOLT</p> <p>ASPHALT CONCRETE, AIR CONDITIONING</p> <p>ASPHALT CONCRETE, AIR CONDITIONING</p> <p>ACCUOL</p> <p>ACCUOL</p> <p>ADJ</p> <p>ADJACENT</p> <p>AF</p> <p>ABOVE FINISH FLOOR</p> <p>AGG</p> <p>AGGREGATE</p> <p>ALT</p> <p>ALTERNATE</p> <p>ALUM</p> <p>ALUMINUM</p> <p>AND</p> <p>AND</p> <p>APPROX</p> <p>APPROXIMATE</p> <p>ARCH</p> <p>ARCHITECT (URAL)</p> <p>AS</p> <p>ADJUSTABLE SHELF(S)</p> <p>B</p> <p>BLANK CABINET PANEL</p> <p>BD</p> <p>BLOCK</p> <p>BLDG</p> <p>BUILDING</p> <p>BLKG</p> <p>BLOCKING</p> <p>BM</p> <p>BEAM</p> <p>BOT</p> <p>BOTTOM</p> <p>BUR</p> <p>BUILT UP ROOF(ING)</p> <p>CAB</p> <p>CABINET</p> <p>CDM</p> <p>CAST IRON</p> <p>CI</p> <p>CAST IRON</p> <p>CJ</p> <p>CONTROL JOINT</p> <p>CF</p> <p>CONTROL CONSTRUCTION JOINT FILLED</p> <p>CL</p> <p>CENTERLINE</p> <p>CLG</p> <p>CEILING</p> <p>CLR</p> <p>CLEARANCE/COLOR</p> <p>CMU</p> <p>CONCRETE MASONRY UNIT</p> <p>CNTR</p> <p>COUNTER</p> <p>CO</p> <p>CLEAN OUT</p> <p>COB</p> <p>CITY OF BAKERSFIELD</p> <p>COA</p> <p>CITY OF COLINGDA</p> <p>COL</p> <p>COLUMN</p> <p>CONC</p> <p>CONCRETE</p> <p>CONN</p> <p>CONNECTION</p> <p>CONT</p> <p>CONTINUOUS OR CONTINUE</p> <p>COP</p> <p>CONTROL OPERATIONS PANEL</p> <p>CPT</p> <p>CARPET(ED)</p> <p>CR</p> <p>CARD READER</p> <p>CS/B</p> <p>COVERED SHEET VINYL BASE</p> <p>CTS/K</p> <p>COUNTER SINK</p> <p>CJ</p> <p>CONDENSER UNIT</p> <p>CR</p> <p>CORNER SINK</p> <p>D</p> <p>DRAWER</p> <p>DBL</p> <p>DOUBLE</p> <p>DEMO</p> <p>DEMOLITION</p> <p>DET</p> <p>DETAIL</p> <p>DF</p> <p>DRINKING FOUNTAIN</p> <p>DG</p> <p>DECOMPOSED GRANITE</p> <p>DA</p> <p>DIAMETER</p> <p>DM</p> <p>DIMENSION</p> <p>DIS</p> <p>DISABLED</p> <p>DL</p> <p>DEAD LOAD</p> <p>DN</p> <p>DOWN</p> <p>DS</p> <p>DOWN SPOUT</p> <p>DTL</p> <p>DETAIL</p> <p>DTR</p> <p>DUCT THRU ROOF</p> <p>DWGS</p> <p>DRAWINGS</p> <p>E</p> <p>EAST</p> <p>EA</p> <p>EACH</p> <p>ED</p> <p>ELECTRIC DRINKING FOUNTAIN</p> <p>EF</p> <p>EXHAUST FAN</p> <p>EFS</p> <p>EXTERIOR INSULATION AND FINISH SYSTEM</p>		<p>EXPANSION JOINT</p> <p>EXPANSION JOINT</p> <p>ELEC</p> <p>ELECTRICAL</p> <p>ELEV</p> <p>ELEVATION</p> <p>ELF</p> <p>ELECTROSTATIC POWDER</p> <p>EMC</p> <p>EMULSION MECHANICAL</p> <p>MCHP</p> <p>MECHANICAL, ELECTRICAL, PLUMBING</p> <p>MET</p> <p>METAL</p> <p>MFR</p> <p>MANUFACTURER</p> <p>MIN</p> <p>MINIMUM</p> <p>MIR</p> <p>MIRROR</p> <p>MISC</p> <p>MISCELLANEOUS</p> <p>MDO</p> <p>MEDIUM DENSITY OVERLAY</p> <p>MCHP</p> <p>MECHANICAL, ELECTRICAL, PLUMBING</p> <p>MTR</p> <p>METAL</p> <p>MS</p> <p>MASONRY OPENING</p> <p>MFL</p> <p>MOLDED FIBER/FLOOR TILE</p> <p>MT</p> <p>METAL THRESHOLD</p> <p>MFL</p> <p>MOUNTED</p> <p>MAL</p> <p>MATERIAL</p> <p>N</p> <p>NORTH</p> <p>NAT</p> <p>NATURAL</p> <p>NC</p> <p>NOT IN CONTRACT</p> <p>NUM</p> <p>NUMBER</p> <p>NOM</p> <p>NOMINAL</p> <p>NTS</p> <p>NOT TO SCALE</p> <p>OB</p> <p>OBSCURE</p> <p>OC</p> <p>ON CENTER(S)</p> <p>OD</p> <p>OUTSIDE DIAMETER</p> <p>OFD</p> <p>OVERFLOW ROOF DRAIN</p> <p>OR</p> <p>OVERHEAD</p> <p>OS</p> <p>OPENING</p> <p>PA</p> <p>POLYURETHANE FOAM</p> <p>ROOFING</p> <p>ROOFING</p> <p>PJ</p> <p>POUR JOINT</p> <p>PR</p> <p>PROPERTY LINE</p> <p>PLAM</p> <p>PLASTIC LAMINATE</p> <p>PLAS LAM</p> <p>PLASTIC LAMINATE</p> <p>PLAS</p> <p>PLASTER</p> <p>PFG</p> <p>PILING</p> <p>PLC</p> <p>POLYURETHANE ROOF</p> <p>COATING</p> <p>COATING</p> <p>P.O.T.</p> <p>PATH OF TRAVEL</p> <p>PSF</p> <p>POUNDS PER SQUARE FOOT</p> <p>PSI</p> <p>POUNDS PER SQUARE INCH</p> <p>PT</p> <p>PRESSURE TREATED</p> <p>PAINT</p> <p>PAINT</p> <p>PWD</p> <p>PLYWOOD</p> <p>R</p> <p>RETURN AIR, RUBBER</p> <p>ACC</p> <p>ACCESSORY</p> <p>RAS/F</p> <p>RUBBERZED ASPHALT SHEET</p> <p>FLASHING</p> <p>FLASHING</p> <p>RAS/W</p> <p>RUBBER ASPHALT SHEET</p> <p>RAS/D</p> <p>RUBBER ASPHALT SHEET</p> <p>RWD</p> <p>WATER PROOFING</p> <p>RAD</p> <p>RADIUS</p> <p>RF</p> <p>ROOF DRAIN</p> <p>RF</p> <p>REFRIGERATOR</p> <p>REFL</p> <p>REFLECTED</p> <p>RES</p> <p>RESISTER</p> <p>RES(S)</p> <p>REFERENCE(S)</p> <p>REQD</p> <p>REQUIRED</p> <p>REV</p> <p>REVISION(S), REVISED</p> <p>RM</p> <p>ROOM</p> <p>RO</p> <p>ROUGH OPENING</p> <p>ROW</p> <p>RIGHT OF WAY</p> <p>RN</p> <p>ROOF PARTER</p> <p>RS</p> <p>REDUCER STRIP</p> <p>RSTA</p> <p>RUBBER STAIR TREAD</p> <p>ACC</p> <p>ACCESSORY</p> <p>RWB</p> <p>RUBBER WALL BASE</p> <p>S</p> <p>SOUTH</p> <p>SC</p> <p>SOLID CORE</p>		<p>THE FOLLOWING IS A BRIEF DESCRIPTION OF THE SCOPE OF WORK AS REQUIRED BY DSA. CONTRACTOR SHALL DETERMINE/VERIFY THE ENTIRE SCOPE AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING BIDS.</p> <p>1. SITE IMPROVEMENTS FOR RELOCATION OF (7) TEMPORARY USE RELOCATABLE CLASSROOM BUILDINGS DURING MODERNIZATION PROJECT MAXIMUM OF (3) YEARS.</p> <p>MOTTECH INC.</p> <p>IDENTIFIED BY THE FOLLOWING NUMBERS: STOCKPILE #A#4-104310 SN#47089-99, #57108-09, #57353-54, #57723-24, #57737-38, #57743-44, #57751-52</p> <p>ELITE MODULAR WOOD FOUNDATION: APP: 04-103373 PC</p>		<p>COMPLETE FIRE ALARM PLAN SUBMITTAL:</p> <p>THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO THE DIVISION OF THE STATE ARCHITECT FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.</p> <ol style="list-style-type: none"> PROVIDE ONE #4-10 BC RATED EXTINGUISHER FOR EACH CLASSROOM WITHIN THE PROJECT AREA CALCULATION. BUILDINGS SITED LESS THAN THREE YEARS AND USED FOR EDUCATIONAL PURPOSES (INSTRUCTION) SHALL PROVIDE AN APPROVED MANUAL FIRE ALARM SYSTEM CONSISTING OF MANUAL PULL STATIONS, VISUAL NOTIFICATION APPLIANCES AND AUDIBLE DEVICE(S) WITH A MINIMUM RATING OF 95 DB(A @ 10 FEET). BUILDINGS MORE THAN 25 FEET APART ARE TO BE PROVIDED WITH ADDITIONAL AUDIBLE DEVICES TO ENSURE THE FIRE ALARM SIGNAL CAN BE HEARD WITH ADJACENT BUILDINGS. BUILDINGS MORE THAN 25 FEET FROM OTHER BUILDINGS, INCLUDING OTHER TEMPORARY BUILDINGS, WITH A STAND-ALONE FIRE ALARM SYSTEM SHALL PROVIDE AN APPROVED "TWO-WAY COMMUNICATION" WITH THE MAIN ADMINISTRATION OFFICES CONSISTING OF AN INTERCOM SYSTEM, PERMANENTLY MOUNTED TELEPHONE OR "WALKIE-TALKIE" DEVICES OR OTHER SIMILAR SYSTEMS. BUILDINGS THAT ARE LESS THAN 25 FEET FROM EXISTING PERMANENT BUILDINGS ON THE SITE SHALL BE INTERCONNECTED WITH THE CAMPUS FIRE ALARM. BUILDING MUST BE EQUIPPED WITH AT LEAST ONE MINIMUM RATED 3A-10BC FIRE EXTINGUISHER MOUNTED AT NOT MORE THAN 48 INCHES TO THE HANDLE ABOVE THE FINISHED FLOOR, NEAR THE MAIN EXITS AND WITHIN 75 FOOT TRAVEL DISTANCE FROM ANY POINT WITHIN THE BUILDING. (NOTE: "TRAVEL DIST											

LEXINGTON AVE



PARKING ANALYSIS		
STALL TYPE	QTY	REQ
STANDARD	54	-
STANDARD ACCESSIBLE	4	2
VAN ACCESSIBLE	1	1
TOTAL	59	-

Partial Campus Site Plan
Scale: 1" = 30'-0"



ACCESSIBLE PATH OF TRAVEL (P.O.T.)

--- ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. POT IS A MINIMUM OF 48" WIDE SLIP RESISTANT SURFACE WITH 2% MAX SLOPE AND 2% MAX CROSS SLOPE. TYP. P.O.T. SHALL BE FREE OF OVERHANGING OBSTRUCTIONS TO 8" HIGH MIN AND PROTRUDING OBJECTS GREATER THAN 1/4" PROJECTION FROM WALL BETWEEN 27" AND 80" AFF. OR GROUND ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
SEE ENLARGED PLANS FOR MORE INFORMATION (SHEET A1-20).

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

- DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLIANT BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE FLOOR LATCHING AND LOCKING DEVICES THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATION BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP AND TURN OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
 - MAXIMUM EFFORT TO OPERATE SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 3 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
 - CONSTRUCTION: THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNTEXTURED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS CONDITION. WHERE NARROW FRAMES ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS CONDITION.
 - FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT.
 - IN ADDITION TO ALL LOCAL CODES, ACCESSIBILITY REQUIREMENTS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, TITLE 24, AS WELL AS FEDERAL ADA (AMERICANS WITH DISABILITIES ACT).

ALLOWABLE AREA ANALYSIS

TABLE 506.2 (A)	TABLE 506.2 (NS)
A311-B (NS) 9,500 SF	9,500 SF
E311-B (NS) 9,500 SF	9,500 SF
FRONTAGE INCREASE 75-100% AT 30' OR GREATER (TABLE 506.3.3)	L = 75
ALLOWABLE AREA CALCULATIONS EQUATION 5-3 (MIXED USE OCCUPANCY) $A_u = A_1 + (NS \times L)$ $A_u = 9,500 + (9,500 \times 75) = 16,625 SF$	
13,062 SF = 16,625 SF	

FIRE ACCESS ROAD LEGEND

- EXISTING 30' WIDE FIRE ACCESS ROAD WITH MINIMUM 20' WIDE NOMINAL OPENINGS AT EXISTING GATES PER A#03-115335 - CLOSED WITH CERTIFICATION. (LOCAL FIRE AUTHORITY APPROVAL DATE 06/25/13)

SAFE DISPERSAL AREA CALCULATION

SAFE DISPERSAL AREA CALCULATION PER CBC 452.1.3 (FENCES AND GATES)

GROUP E OCCUPANCY
TOTAL BUILDING AREA = 21,608 + 20 = 1,081 OCCUPANTS

1,081 (OCCUPANTS) X 3 (SF/OCCUPANT) = 3,242 SF REQUIRED.

NOTES:
1. AREA OF SAFE DISPERSAL REQUIRED FOR GROUP E BUILDINGS SHALL BE LOCATED ON THE SAME LOT AT LEAST 50'-0" AWAY FROM ANY BUILDING.
2. OCCUPANT CALCULATION CONSISTS OF EXISTING BUILDING ANALYSIS AS THIS PROJECT CONSISTS OF A TEMPORARY SWING SPACE AND WILL NOT INCREASE NUMBER OF OCCUPANTS.

BUILDING DIRECTORY

BLDG #	DSA #	BUILDING USE
A	5743/51927	ADMINISTRATION
B	5743/51927	MULTIPURPOSE
C	5743/51927	MULTIPURPOSE
D	5743/48691	CLASSROOMS
E	5743/51927	CLASSROOMS
F	5743/51927	CLASSROOMS
G	5743/51927	CLASSROOMS
H	5743	CUSTODIAN/ RB
HS	61168	HEAD START
R15	48691	CLASSROOMS
R16	48691	CLASSROOMS
R17	48691	CLASSROOMS
R18	48691	CLASSROOMS
R19	48691	CLASSROOMS
R20	48691	CLASSROOMS
R21	48691	CLASSROOMS
R22	48691	CLASSROOMS
R23	03-113549	CLASSROOMS
R24	03-113549	CLASSROOMS
R25	03-113549	CLASSROOMS
R26	03-113549	CLASSROOMS
R27	03-113549	CLASSROOMS
R28	03-113549	CLASSROOMS
R29	03-113549	CLASSROOMS
R30	03-113549	CLASSROOMS
R31	03-115335	CLASSROOMS
R32	03-115335	CLASSROOMS
R33	03-115335	CLASSROOMS
R34	03-115740	CLASSROOMS
R35	03-118271	CLASSROOMS

HYDRANT FLOW TEST REPORT

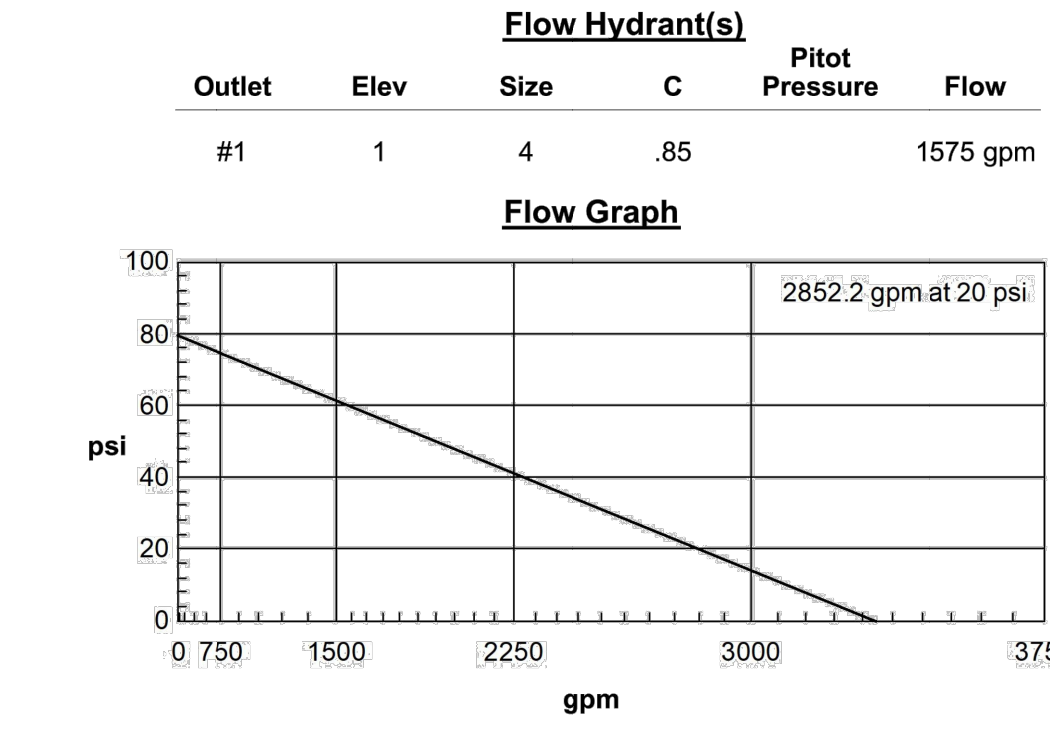
Hydrant Flow Test Report
Test Date 11/09/2022 Test Time 2:45 pm

Location
Pioneer Elementary School
4404 Pioneer Dr.
Bakersfield CA 93306

Tested by
RLH Fire Protection
4300 Sine Rd. Ste 800
Bakersfield, CA 93313
661-322-9344
LIC# 777717
Randy Seaton / Nathan Garcia

Notes
Used 4 inch Big Hose Monster for Testing
Flowed from east grass area Hydrant
Read from North Hydrant by Double backflow

Read Hydrant
80 psi static pressure
60 psi residual pressure
1 ft hydrant elevation



Created with the free hydrant flow test program from www.igniteinc.com

810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION

School District/Owner: Bakersfield City School District
Project Name/School: Relocation of (7) Modular Buildings/ Pioneer Elementary School
Project Address: 4404 Pioneer Dr, Bakersfield, CA 93306

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? Yes No
(If yes, provide a copy of the test data.)

2. Was the fire hydrant water flow test performed as part of this LFA review? Yes No

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)
Refer to the following website for FHSZ locations: <http://www.fire.ca.gov/FHSZ/>
Moderate High Very High

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)
WIFA

DSG 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

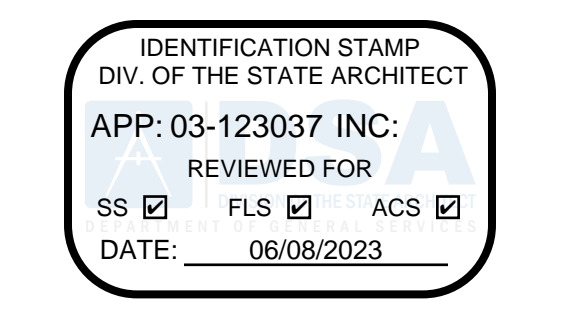
School District Acceptance of Acceptable Design Alternates
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated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

Accepted by: _____ Title: _____
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: Kern County Fire Department
LFA Review Official: Regina Arriaga
Title: Fire Plans Examiner Work Phone: (661) 391-3310
Work Email: Rarriaga@kerncountyfire.org

LFA Reviewer's Signature: Regina Arriaga Digitally signed by Regina Arriaga Date: 2022.12.12 11:24:39 -0800 Date: 12/12/22

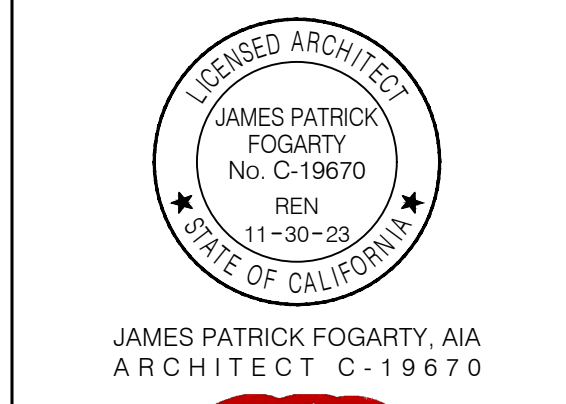


3434 Truxtun Avenue, Suite 240
Bakersfield, California 93301
tel | 661.327.1690 fax | 661.327.7204
web | www.oparchitects.net

SITE IMPROVEMENTS
FOR (7)
RELOCATABLE
CLASSROOM
BUILDINGS

Pioneer
Elementary School
4404 Pioneer Dr, Bakersfield, CA 93306
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0017
Date	04.13.23
DSA File No	15.6
DSA No	03-123037

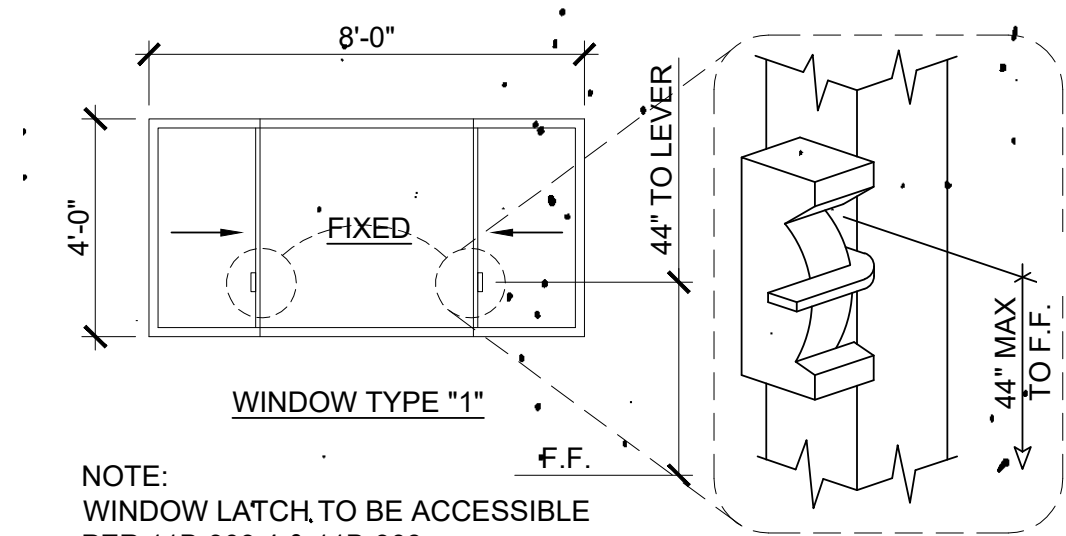
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

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CAMPUS SITE PLAN

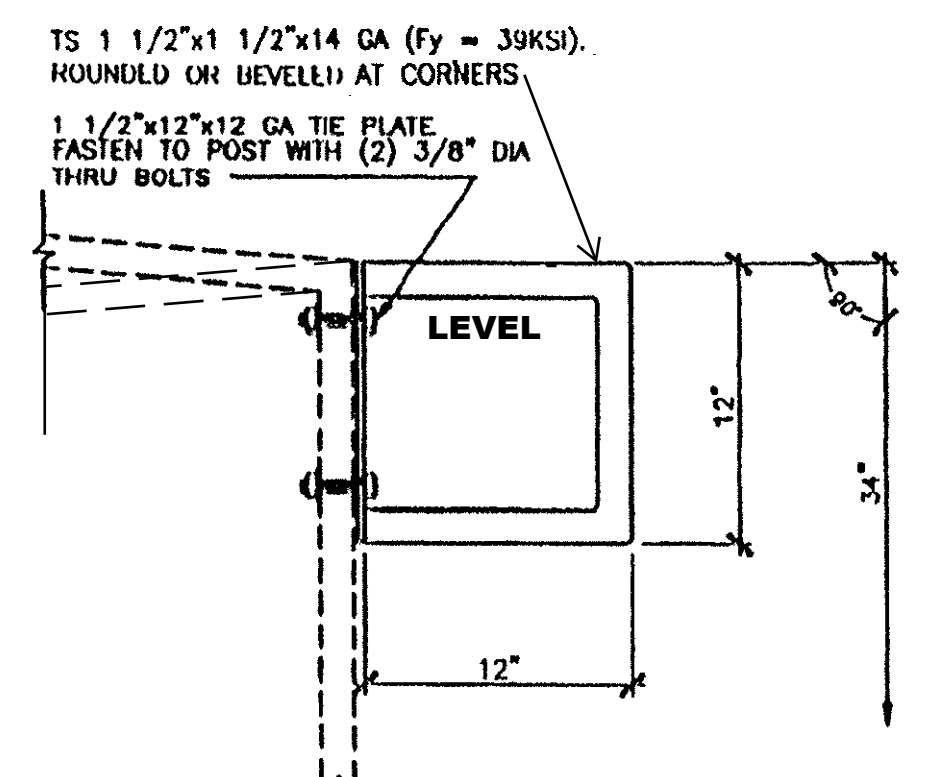
A1.00



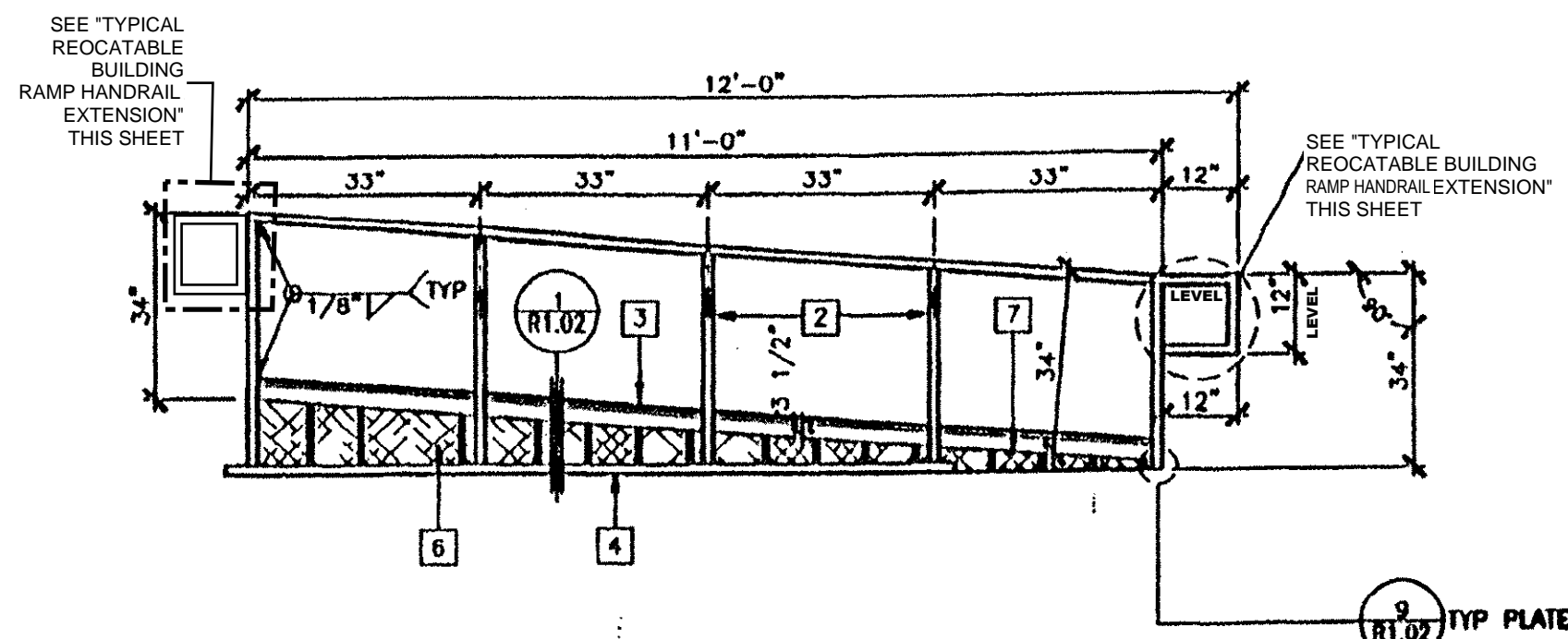
TYPICAL WINDOW LOCK AT RELOCATABLE BUILDING WINDOWS (NTS)

- HARDWARE SET #1**
- LOCKSET - SCHLAGE D75PD, RHODES LEVER, OR EQUAL
 - BUIITS - 1-1/2 PAIR HAGER 1270 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL
 - CLOSER - NORTON 8500 DA / LCN 1460 OR EQUAL
 - THRESHOLD - PEMCO 271A OR EQUAL
 - DOOR BOTTOM - PEMCO 216AV OR EQUAL
 - WEATHERSTRIP - PEMCO 299AV OR EQUAL
 - DOOR STOP - QUALITY #44 OR EQUAL

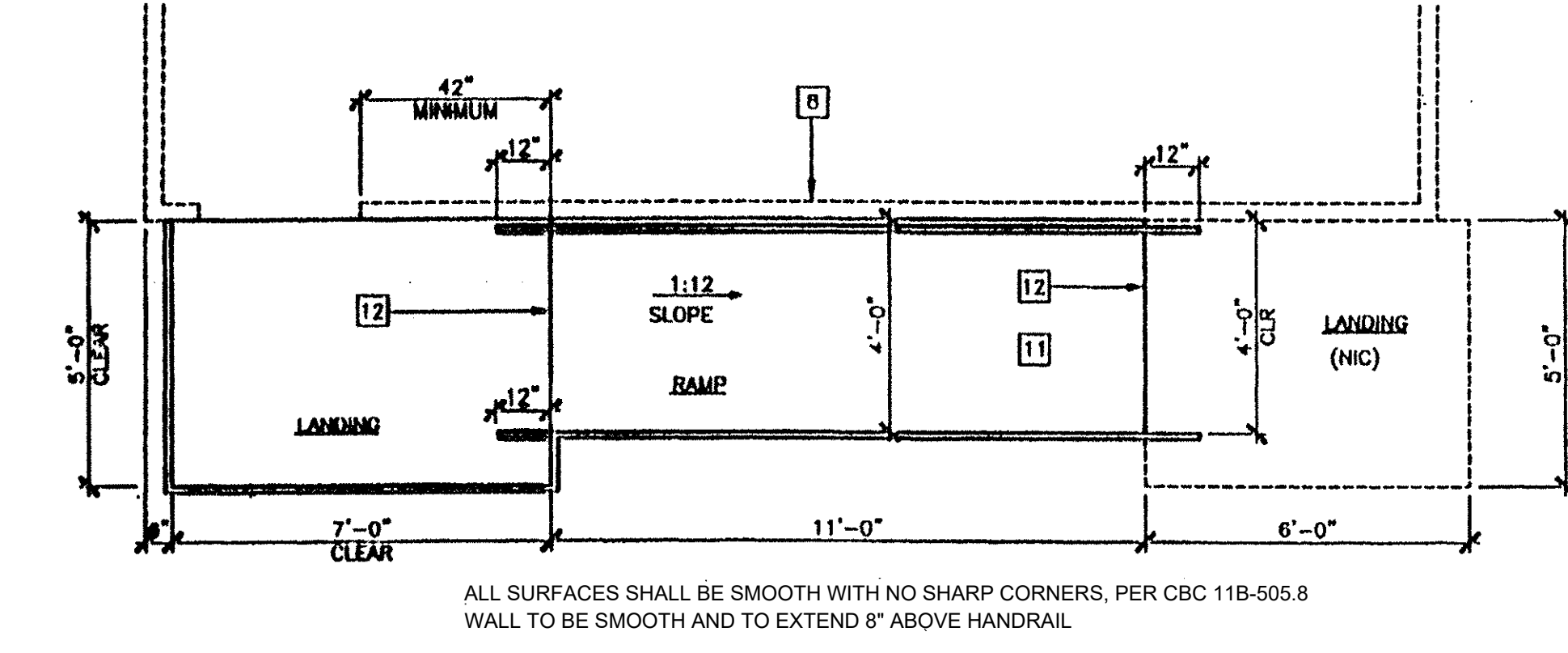
TYPICAL RELOCATABLE BUILDING EXTERIOR DOOR HARDWARE



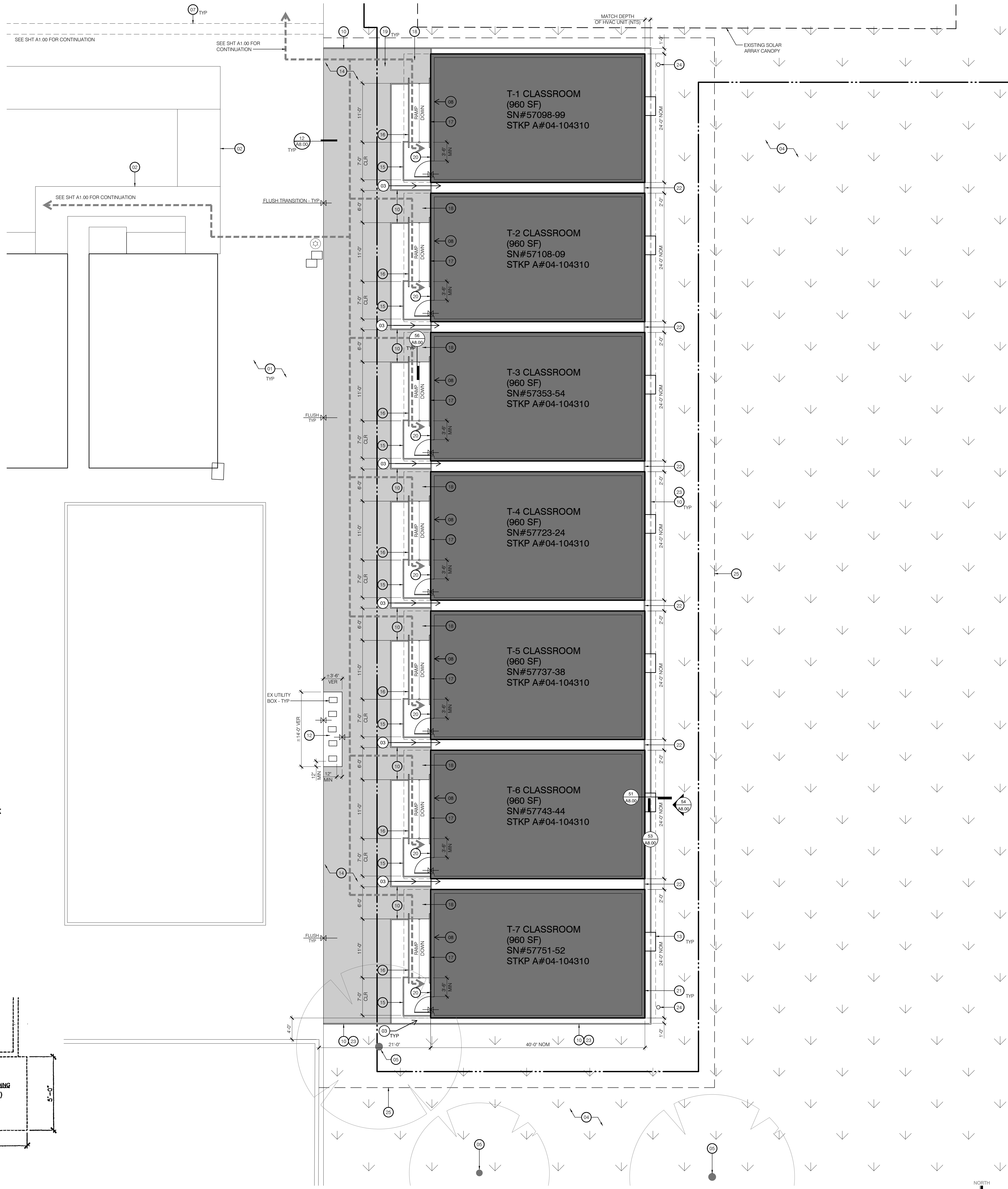
TYPICAL RELOCATABLE BUILDING RAMP HANDRAIL EXTENSION (NTS)



TYPICAL RELOCATABLE BUILDING RAMP ELEVATION (NTS)



TYPICAL RELOCATABLE BUILDING RAMP AND LANDING AT BUILDING (NTS)



Partial Site Plan
Scale: 1/8" = 1'-0"

GENERAL SITE PLAN NOTES

- REFER TO CIVIL, PLUMBING AND ELECTRICAL DRAWINGS FOR UNDERGROUND UTILITIES.
- PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EX UTILITIES W/ UNDERGROUND SERVICE ALERT (U.S.A.).
- CONC SHALL BE REMOVED TO THE NEAREST EX JOINT UNO. VER EXTENT OF CONC DEMO PRIOR TO START OF WORK.
- ALL EXISTING ITEMS NOT NOTED FOR REMOVAL TO BE PROTECTED IN PLACE.
- CONTRACTOR TO COMPLY W/ SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT REQUIREMENTS FOR RULE 9510 INDIRECT SOURCE REVIEW (ISR).
- SEE DTL (33) FOR UNDERGROUND UTILITIES.

SITE PLAN KEYNOTES

- (01) EXISTING AC PAVING - PROTECT
- (02) EXISTING CONCRETE PAVING - PROTECT
- (03) EXPOSED GRADE (DIRT)
- (04) EXISTING LANDSCAPE AND IRRIGATION
- (05) EXISTING TREE - PROTECT
- (06) NOT USED
- (07) SAWCUT, REMOVE, AND REPLACE EXISTING AC PAVING SECTION FOR NEW UNDERGROUND CONDUITS AND UTILITY BOXES - SEE ELEC AND CIVIL SHTS FOR ADDITIONAL INFORMATION
- (08) ASSISTIVE LISTENING SYSTEM SIGN (860 SF PER RELOCATABLE CLASSROOM (TOTAL OF 14 THIS PROJECT)
- (09) NOT USED
- (10) REDWOOD HEADER BOARD
- (11) NOT USED
- (12) 2" TH CONCRETE PAVING
- (13) METAL CAGE BELOW HVAC UNIT FOR GASE DETECTION
- (14) 2" TH AC PAVING OVER COMPACTED SOIL - SEE CIVIL SHTS
- (15) PRE-MANUFACTURED METAL FRAMED LANDING AND RAILING PROVIDED AND INSTALLED BY RELOCATABLE BUILDING VENDOR - SEE RELOCATABLE BUILDING SHEETS FOR ADDITIONAL INFORMATION
- (16) PRE-MANUFACTURED METAL FRAMED RAMP AND RAILING PROVIDED AND INSTALLED BY RELOCATABLE BUILDING VENDOR - SEE RELOCATABLE BUILDING SHEETS FOR ADDITIONAL INFORMATION
- (17) WALL MOUNTED HANDRAIL PROVIDED AND INSTALLED BY RELOCATABLE BUILDING VENDOR - SEE RELOCATABLE BUILDING SHEETS FOR ADDITIONAL INFORMATION
- (18) AC RAMP LANDING WITH MAXIMUM 2% SLOPE IN ANY DIRECTION - FLUSH TRANSITION AT RAMP - SEE CIVIL SHTS
- (19) AC FLUSH TIE-IN AT MAXIMUM 3% SLOPE - FIELD VERIFY EXTENT REQUIRED - SEE CIVIL SHTS FOR ADDITIONAL INFORMATION
- (20) BUILDING ROOM IDENTIFICATION SIGN PER CBC 11 B 703
- (21) PROVIDED AND INSTALLED BY RELOCATABLE BUILDING VENDOR - SEE RELOCATABLE BUILDING SHEETS FOR ADDITIONAL INFORMATION. SEE GRADING PLAN FOR BUILDING PAD REQUIREMENTS (MIN SOIL BEARING CAPACITY IS 1,000 PSF)
- (22) BUILDING TO BUILDING CLOSURE DETAIL
- (23) APPROX LINE OF REMOVED LAWN AREA AND ON ABANDONED IRRIGATION SYSTEM - SEE CIVIL SHTS FOR ADDITIONAL INFORMATION
- (24) UTILITY BOX - SEE ELEC SHTS FOR ADDITIONAL INFORMATION
- (25) APPROX LIMIT LINE OF IRRIGATION SYSTEM MODIFICATIONS REQUIRED TO MAINTAIN EX LANDSCAPE. COORDINATE W/ OWNER

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APP: 03-123037 INC.
REVIEWED FOR
SS FLS ACS
DATE: 06/08/2023

ap
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3434 Truxtun Avenue, Suite 240
Bakersfield, California 93301
tel | 661.327.1690 fax | 661.327.7204
web | www.aparchitects.net

**SITE IMPROVEMENTS
FOR (7)
RELOCATABLE
CLASSROOM
BUILDINGS**

Pioneer
Elementary School
4424 Pioneer Dr, Bakersfield, CA 93306
Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY, AIA
ARCHITECT, C-118670

CONSULTANT

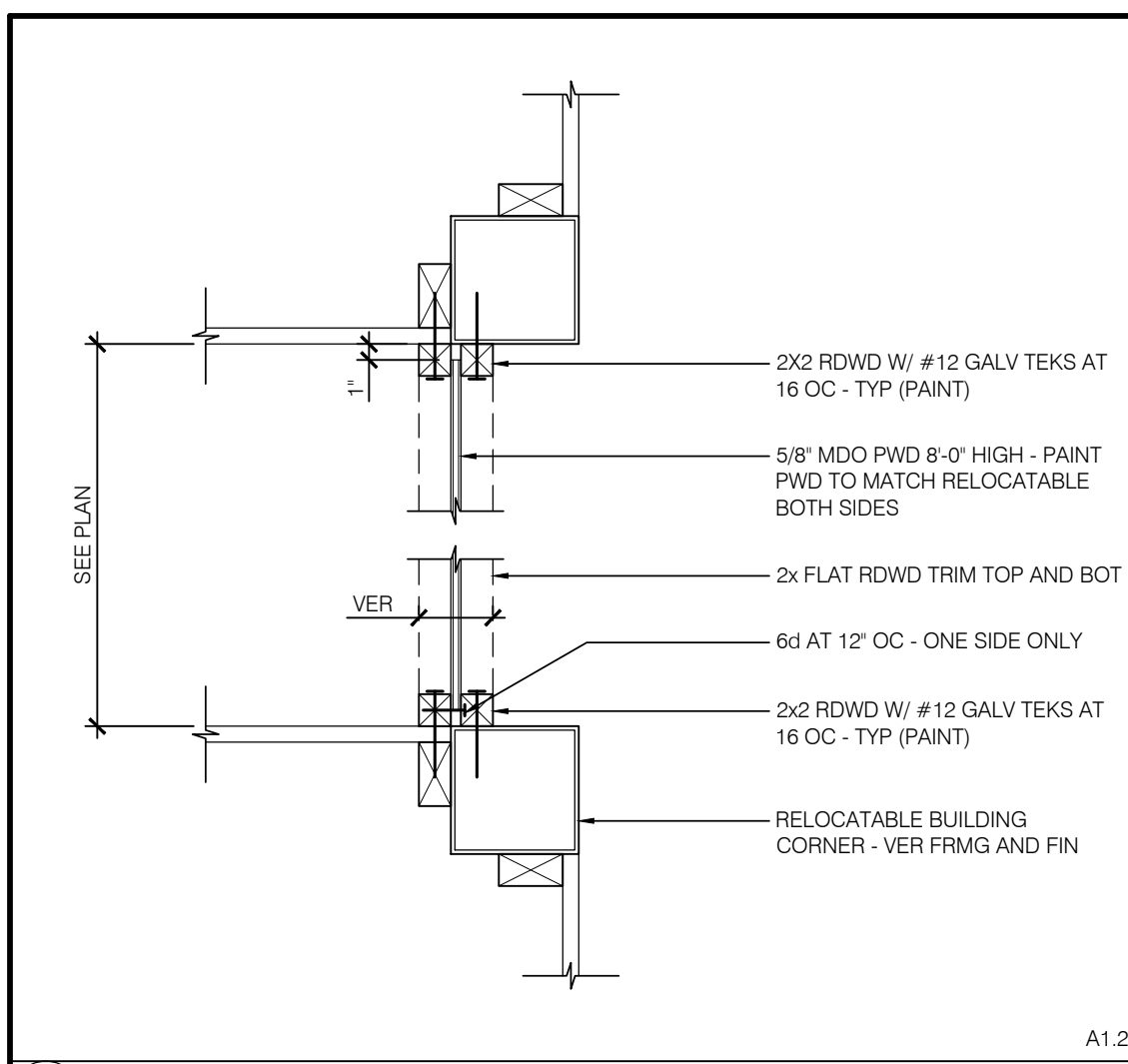
PROJECT INFO

Project No	566-0017
Date	04.13.23
DSA File No	15-6
DSA No	03-123037

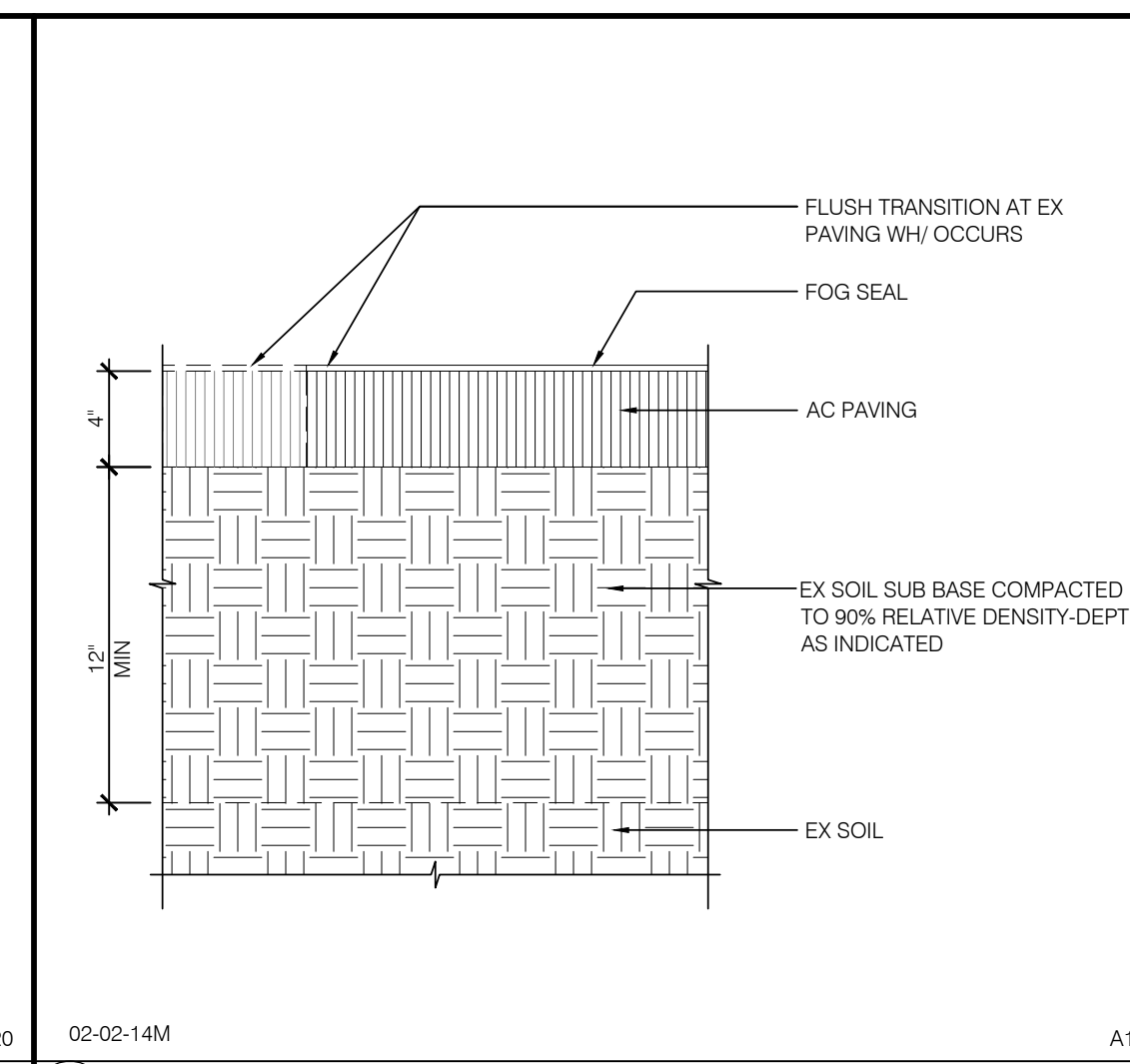
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

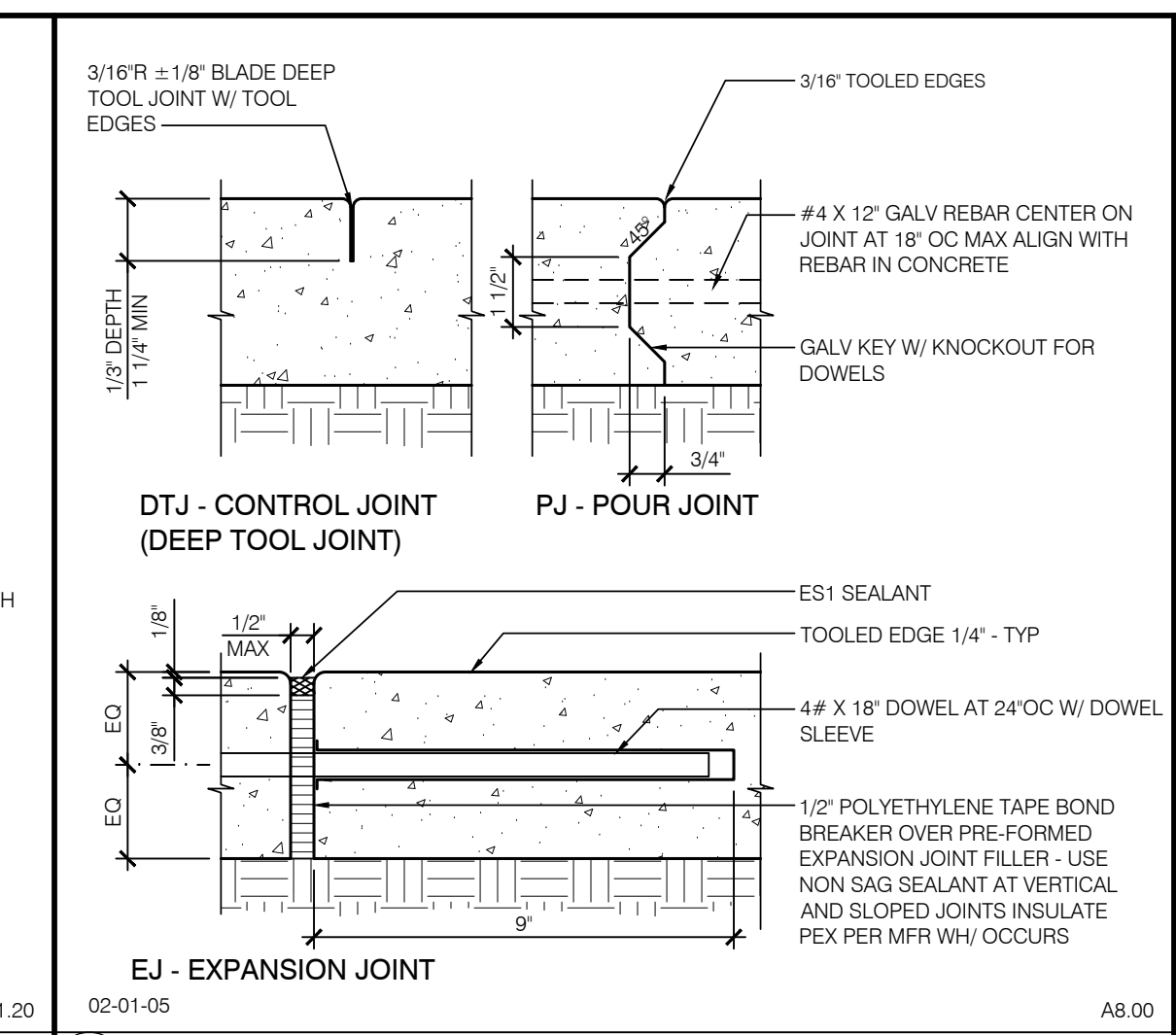
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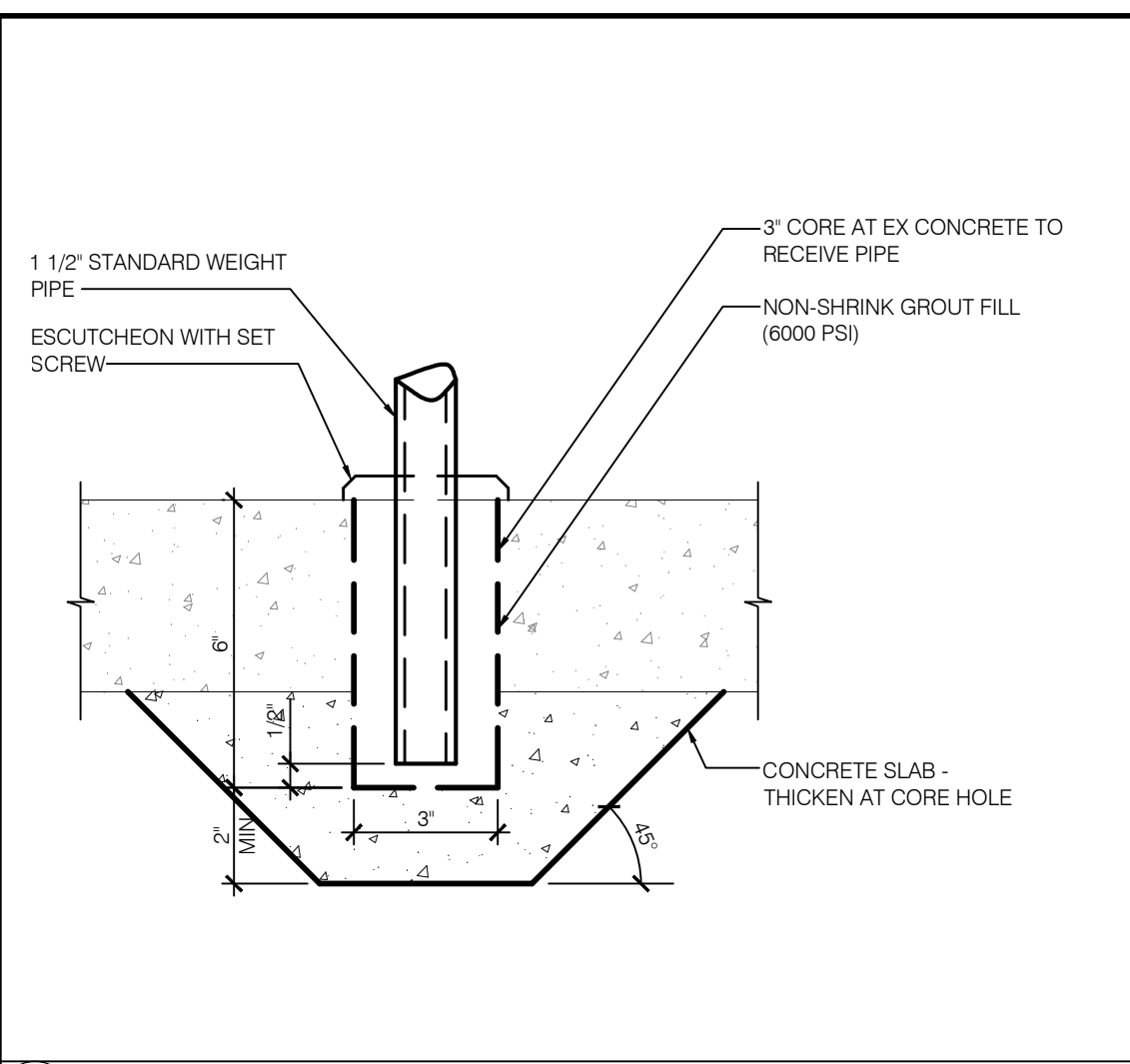
11) BLDG TO BLDG CLOSURE : 1"



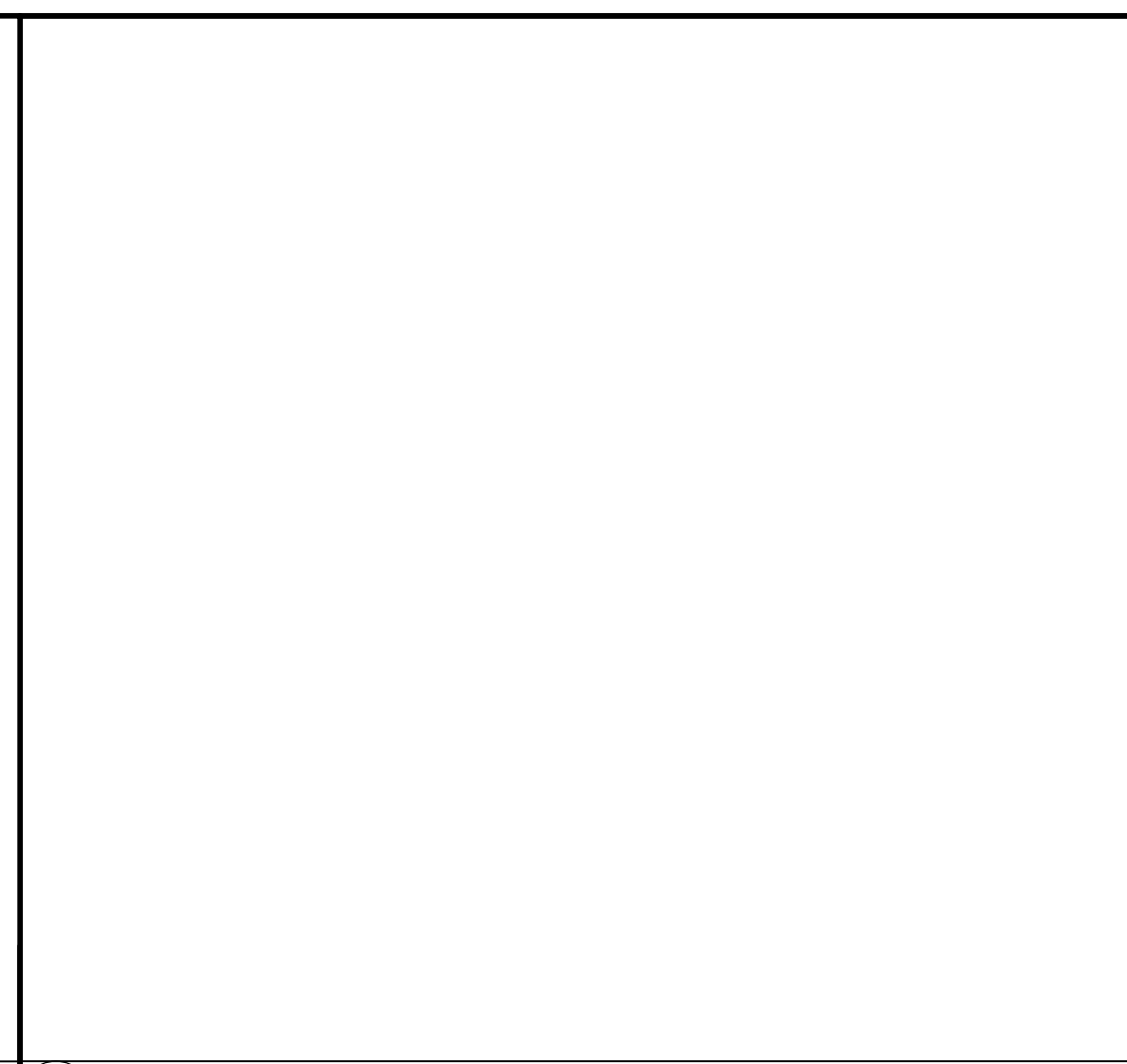
12) AC PAVING SECTION : 1 1/2"



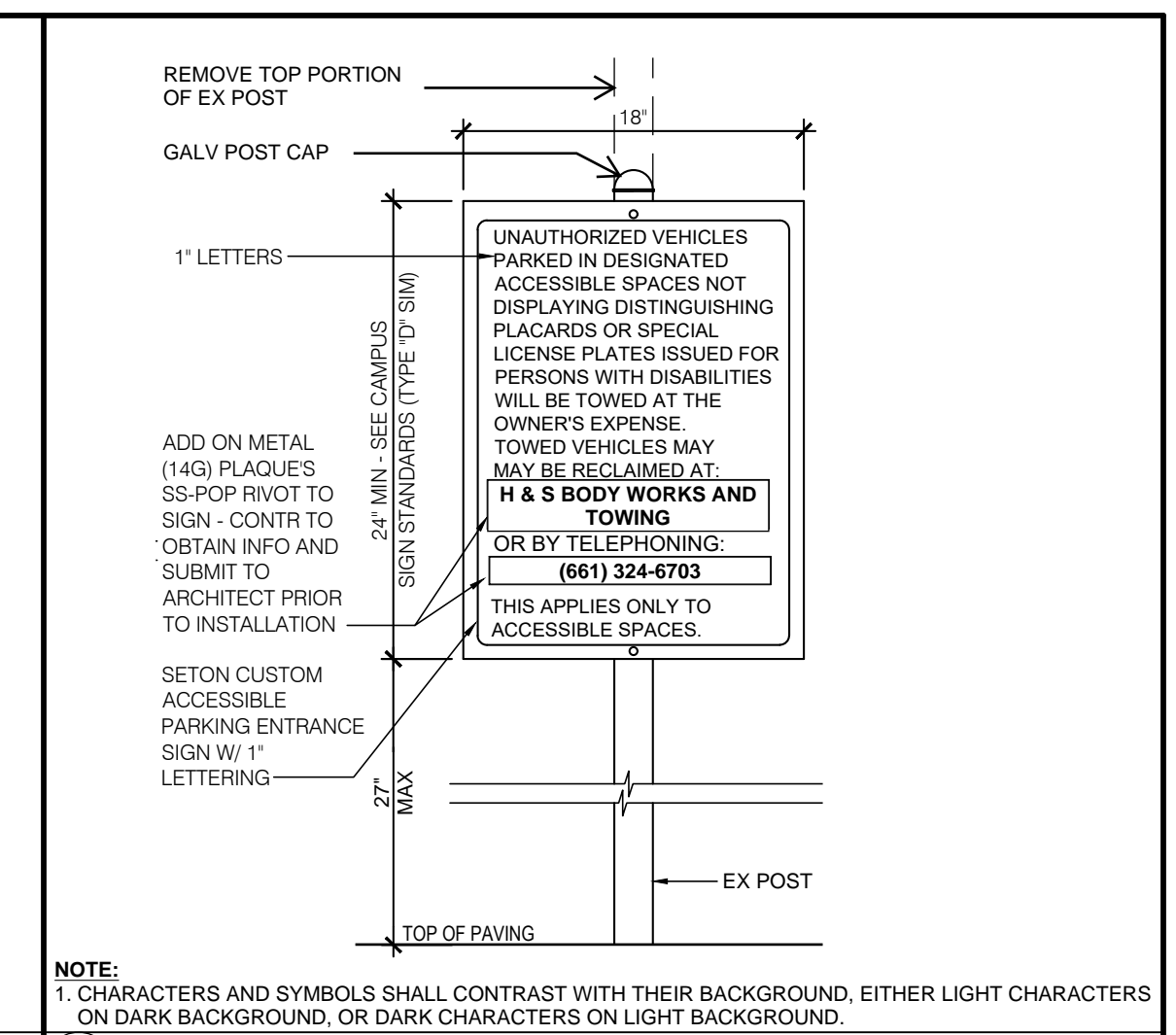
13) TYP JOINTS AT CONCRETE - SITE : 3"



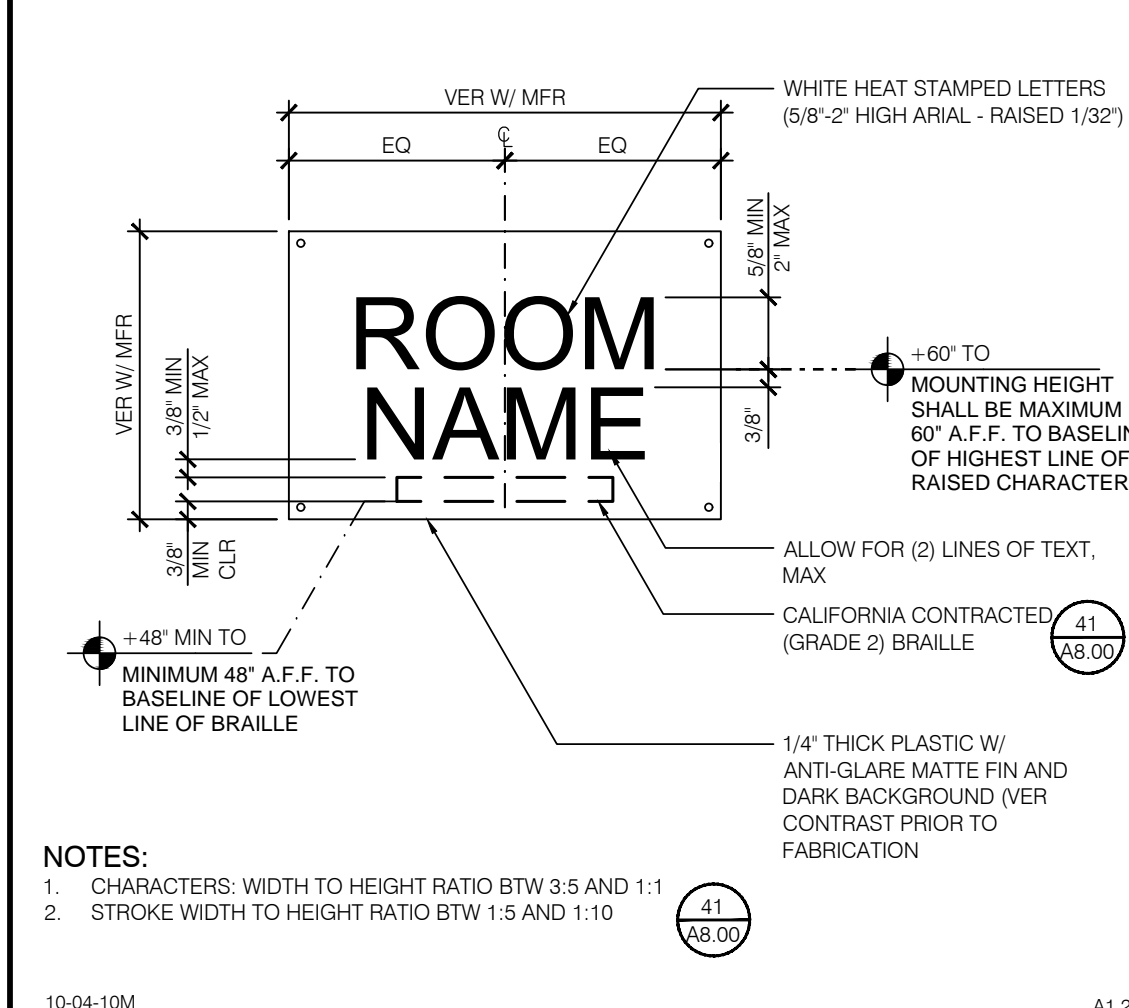
14) PIPE CORE DETAIL : 3"



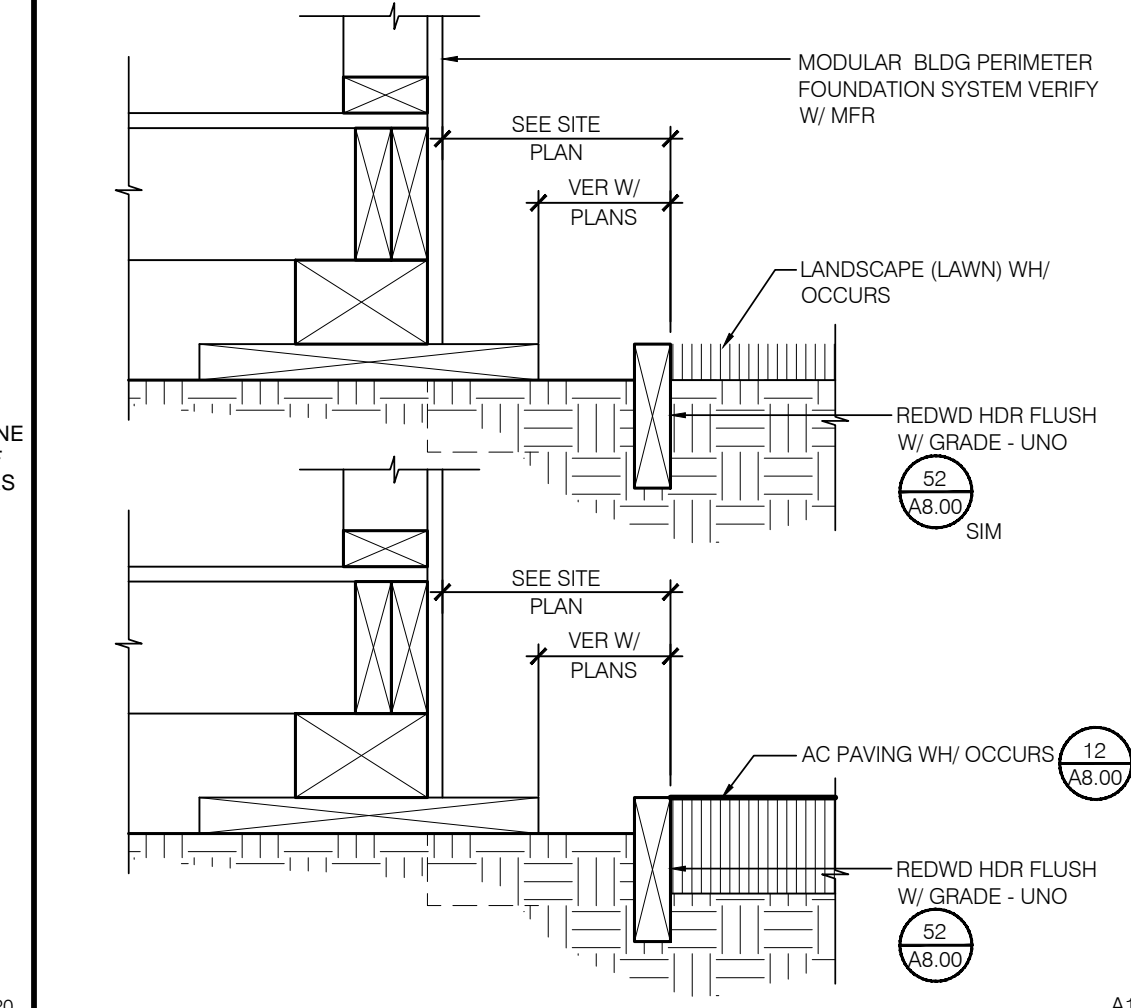
15) NOT USED



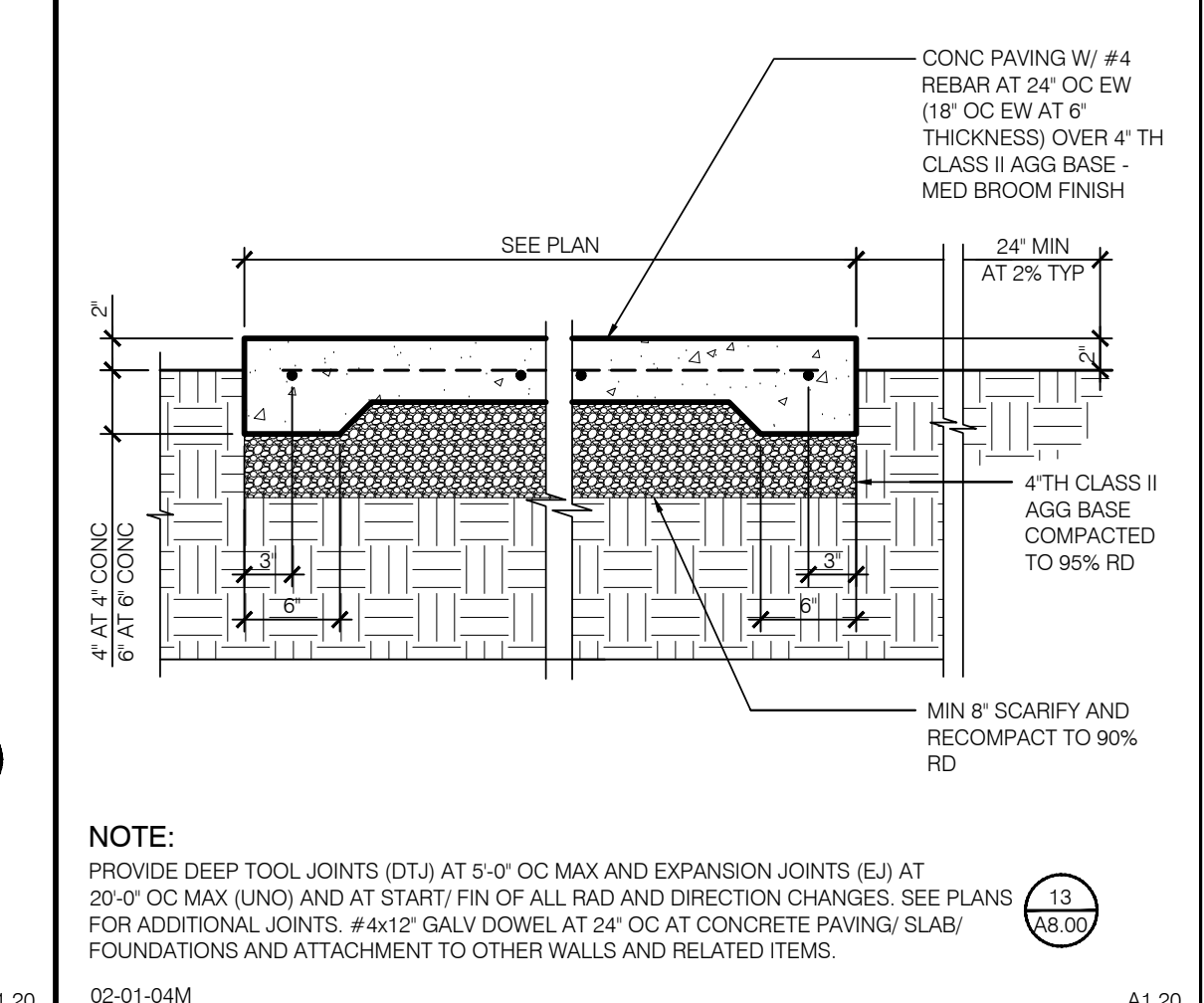
16) ENTRY SIGN ON EXISTING POST NTS



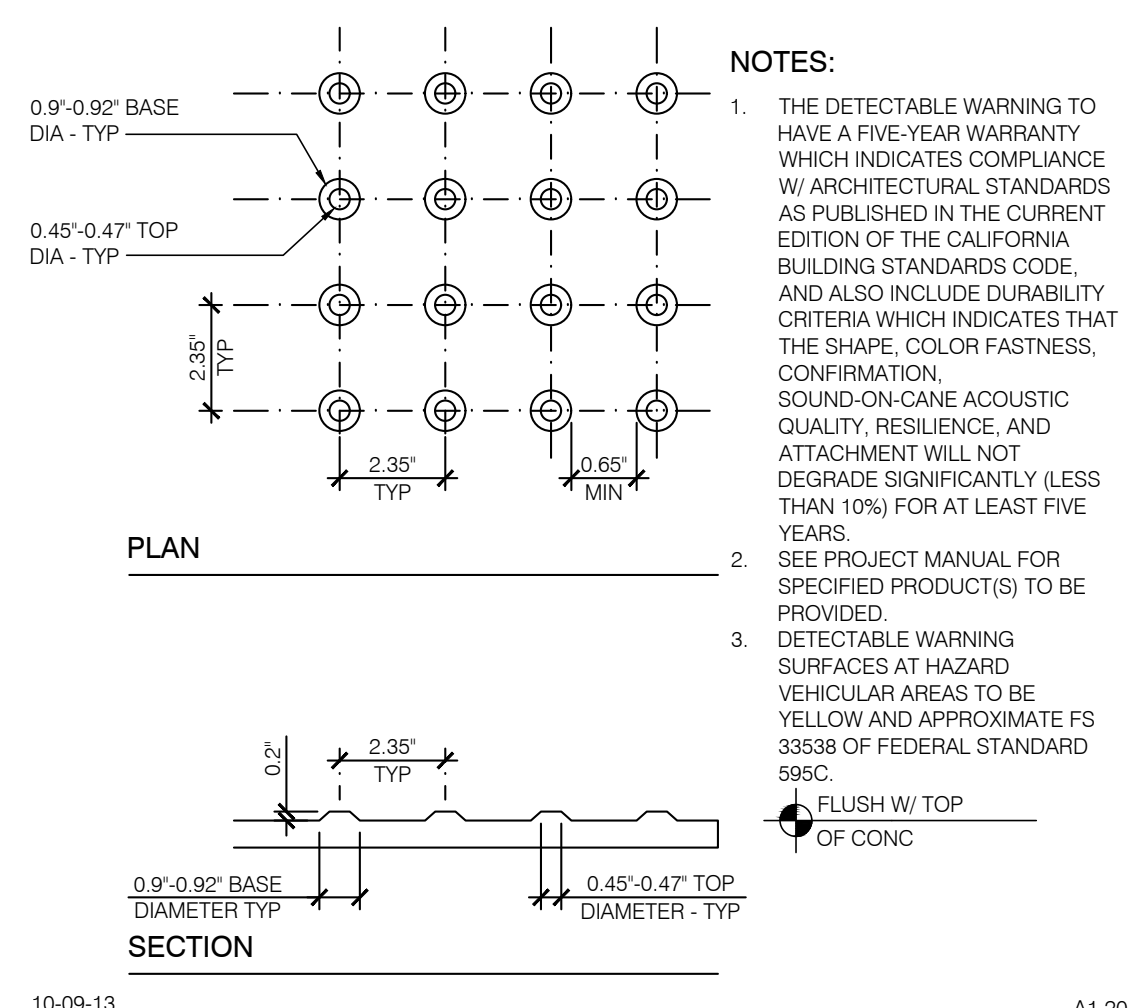
21) ROOM SIGN (BCSD) : 3"



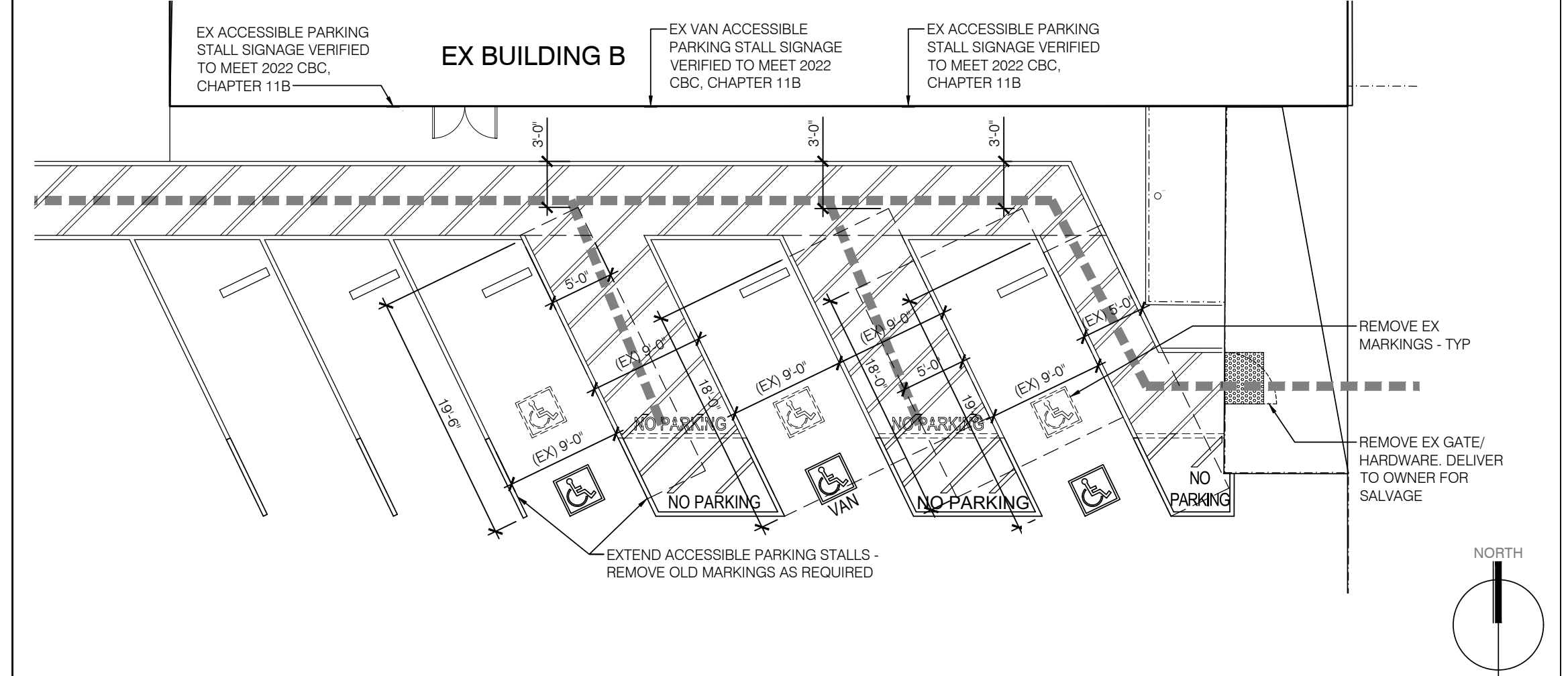
22) WD HEADER AT BUILDING PERIMETER : 1 1/2"



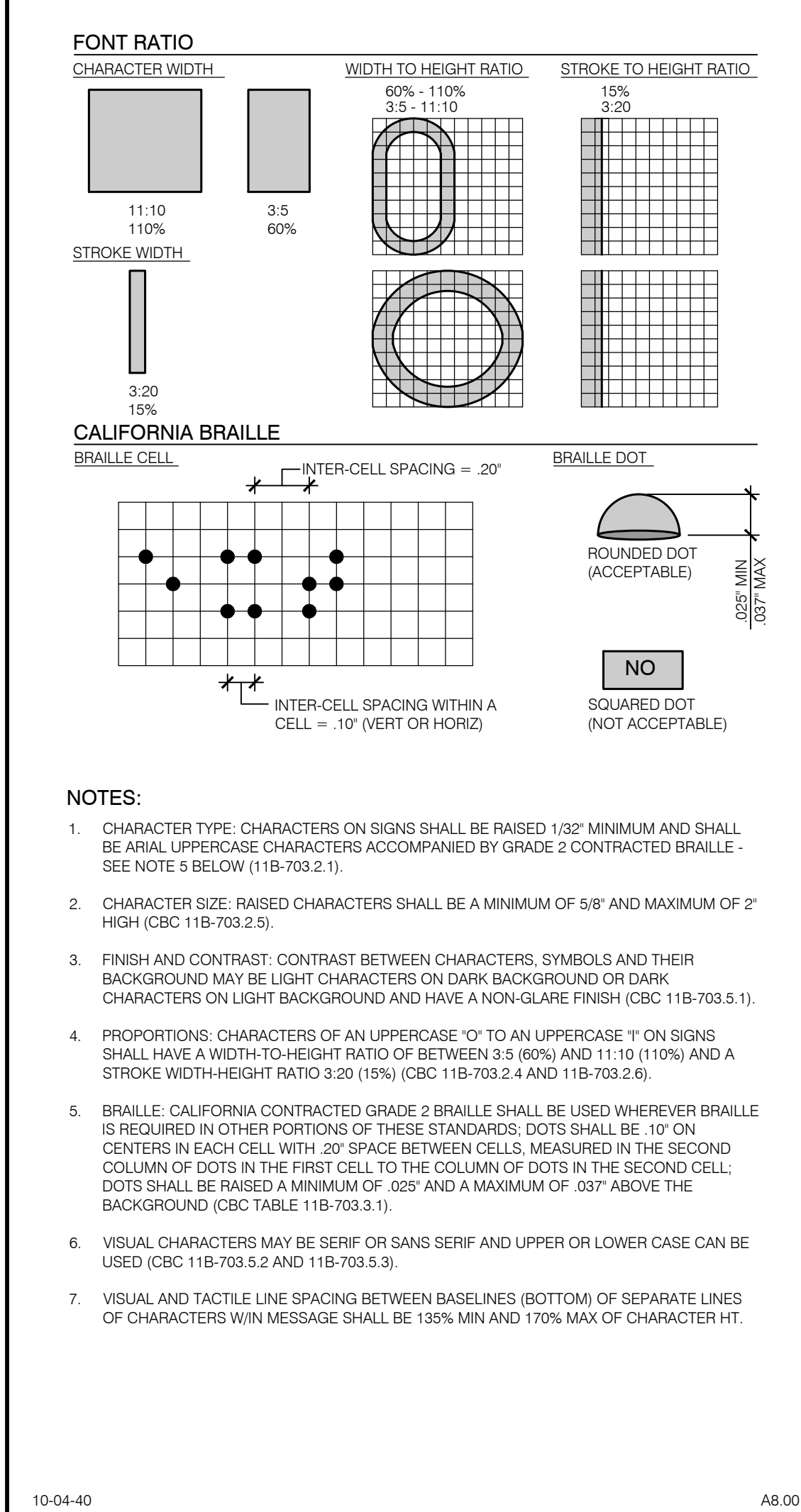
23) CONCRETE PAVING : 1"



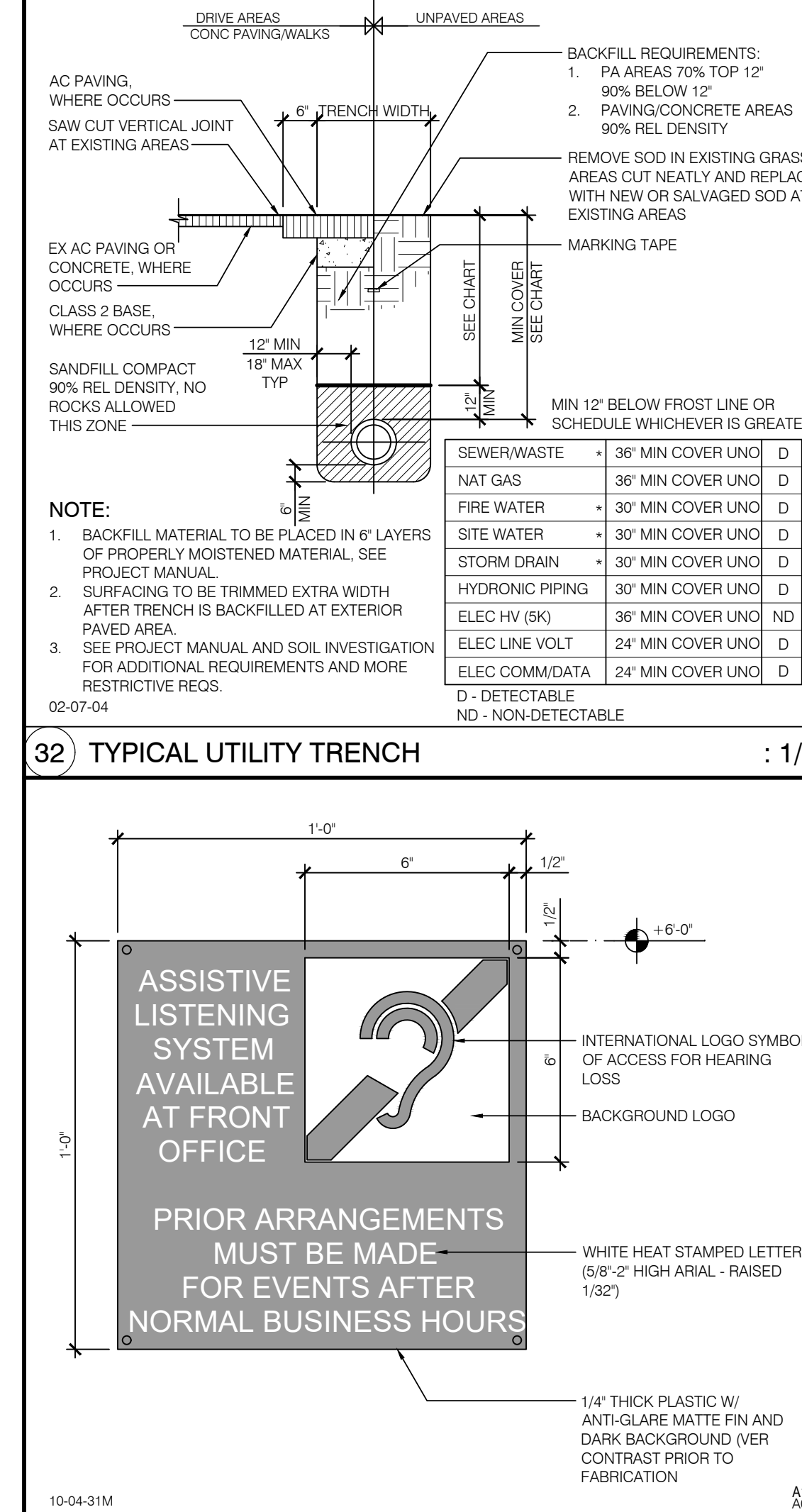
41) DETECTABLE WARNING SURFACE : NTS



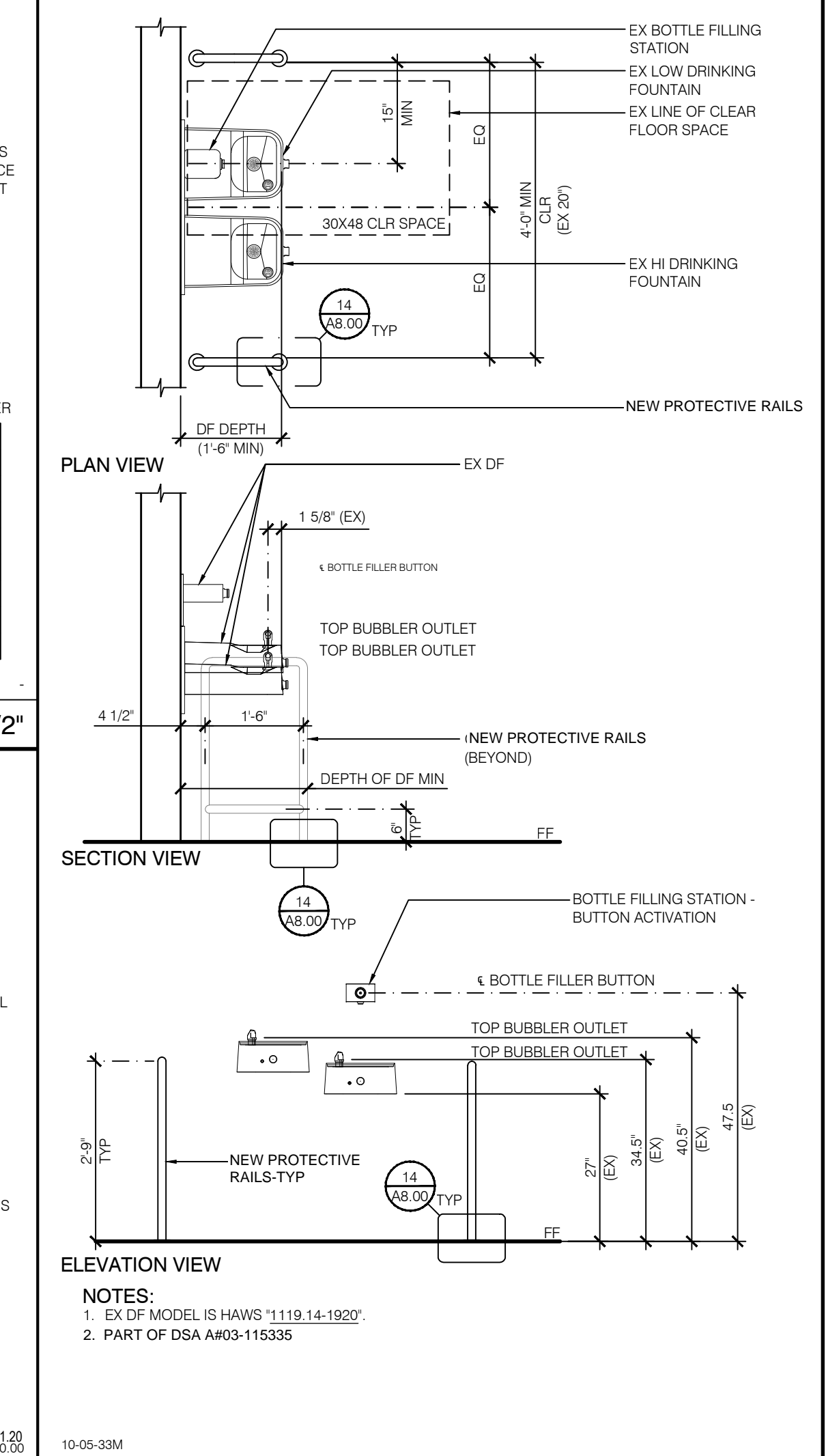
25) ACCESSIBLE PARKING : 1" = 10'-0"



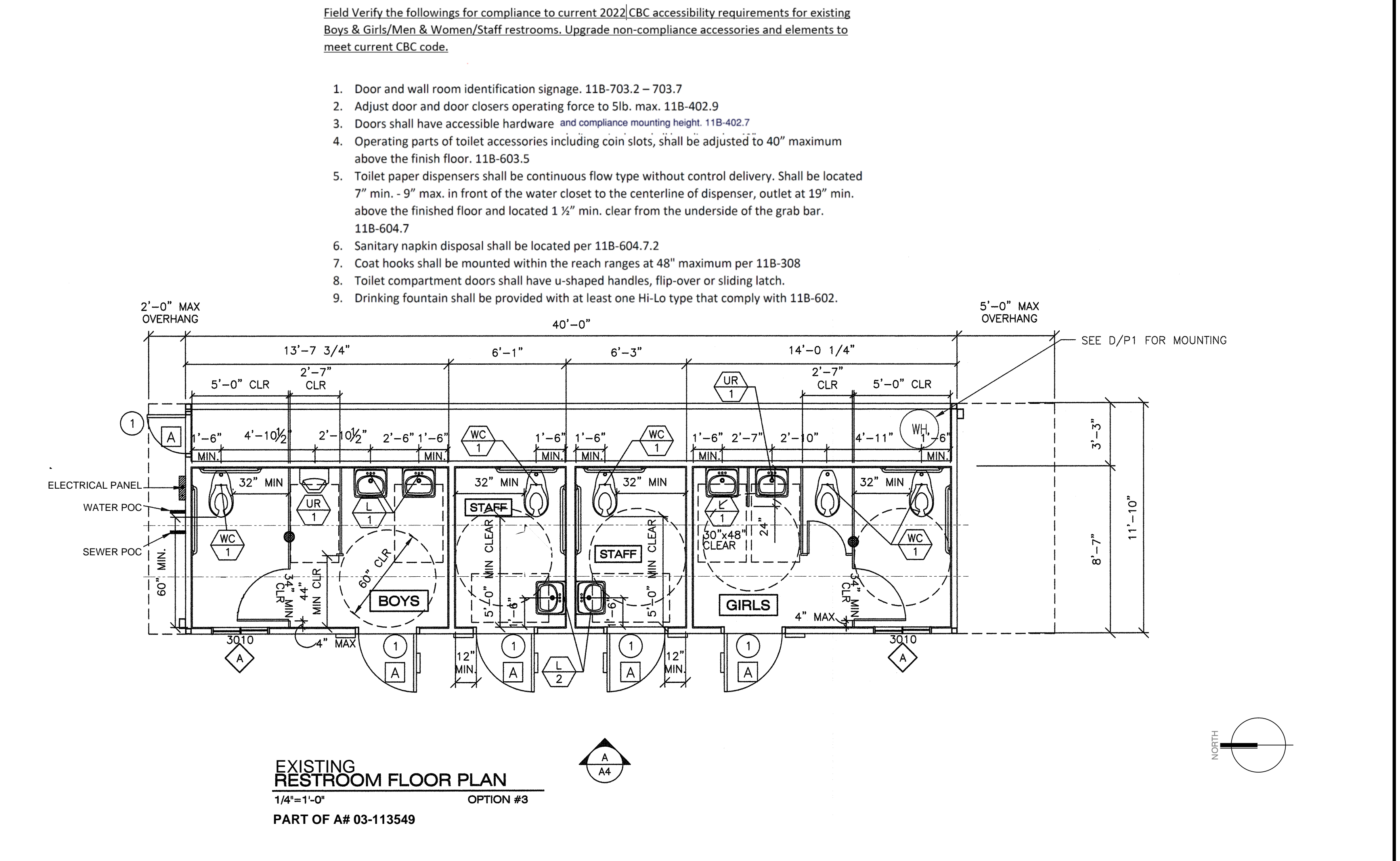
41) ACCESSIBLE SIGN REQUIREMENTS : NTS



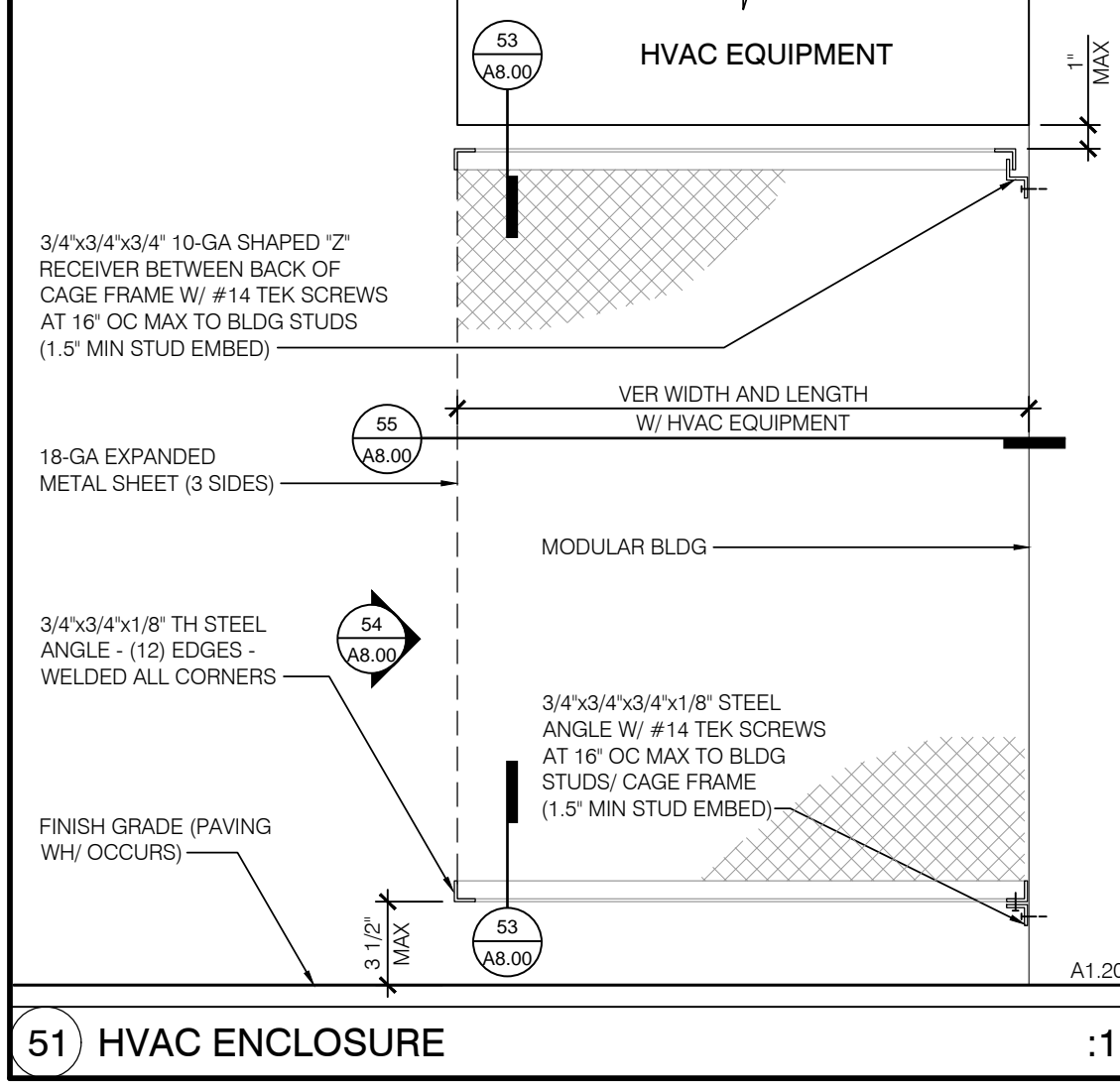
42) ASSISTIVE LISTENING SYSTEM SIGN : 3"



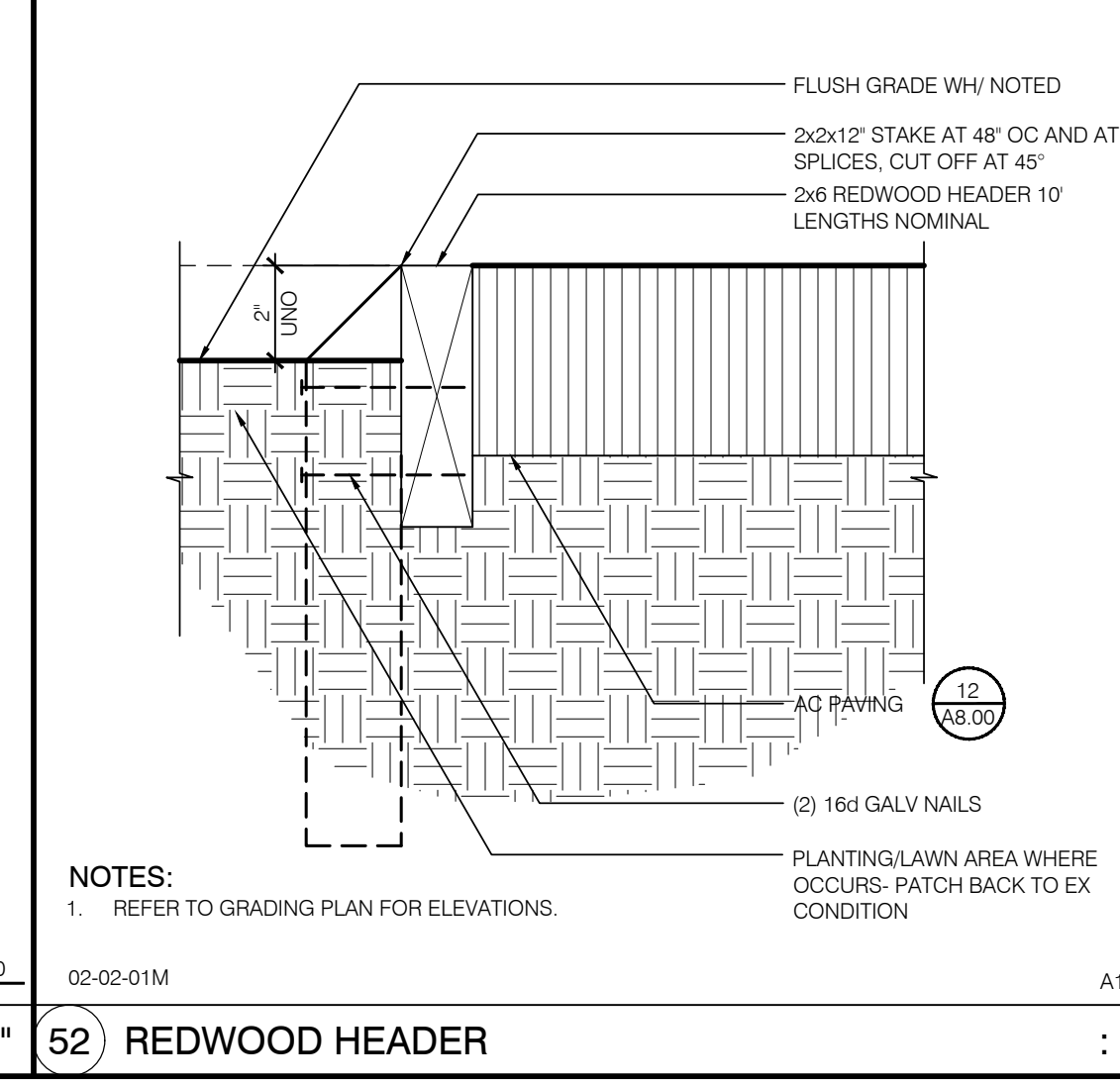
43) EX ACCESSIBLE DF : 1/2"



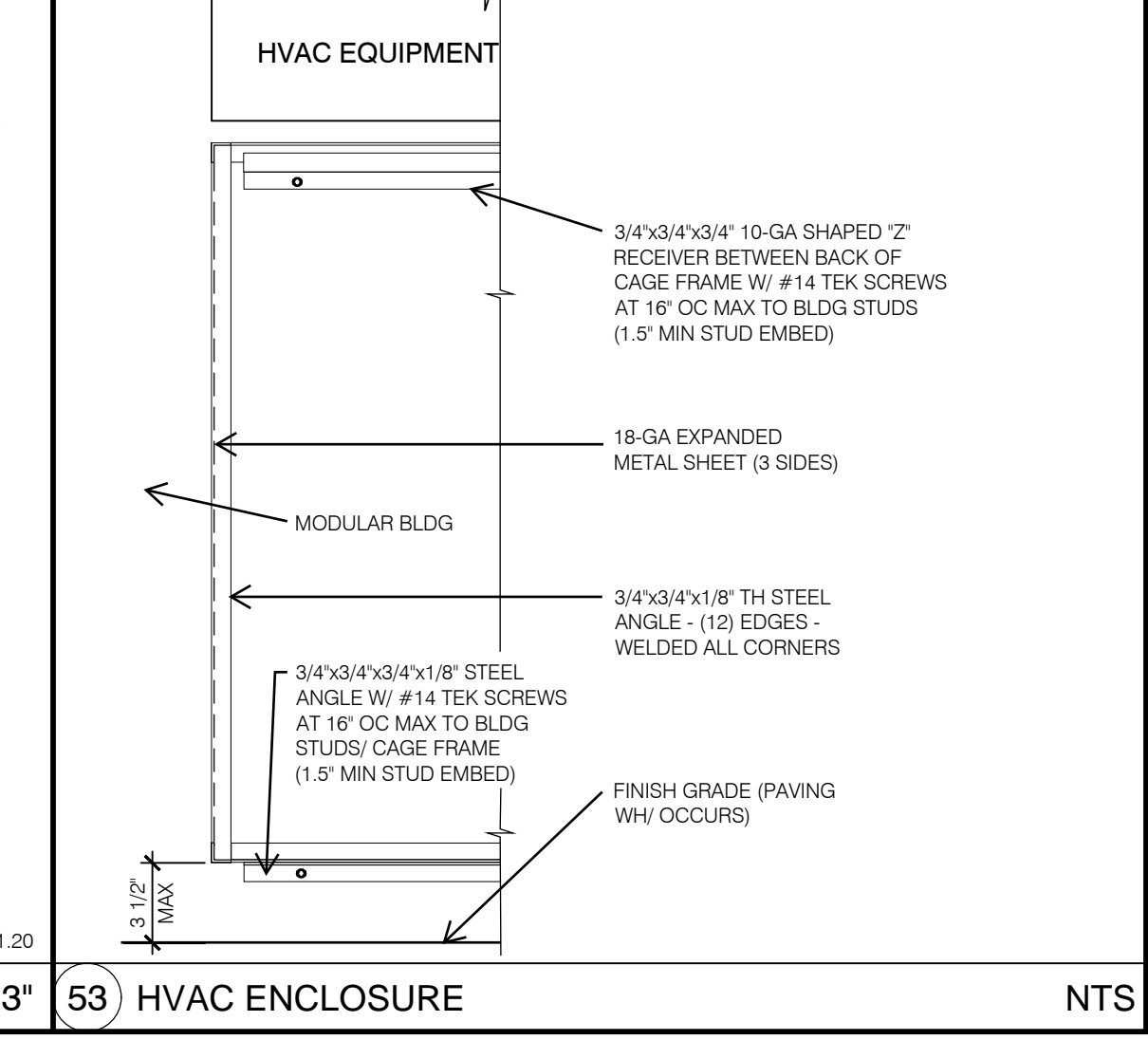
44) EXISTING RESTROOM FLOOR PLAN NTS



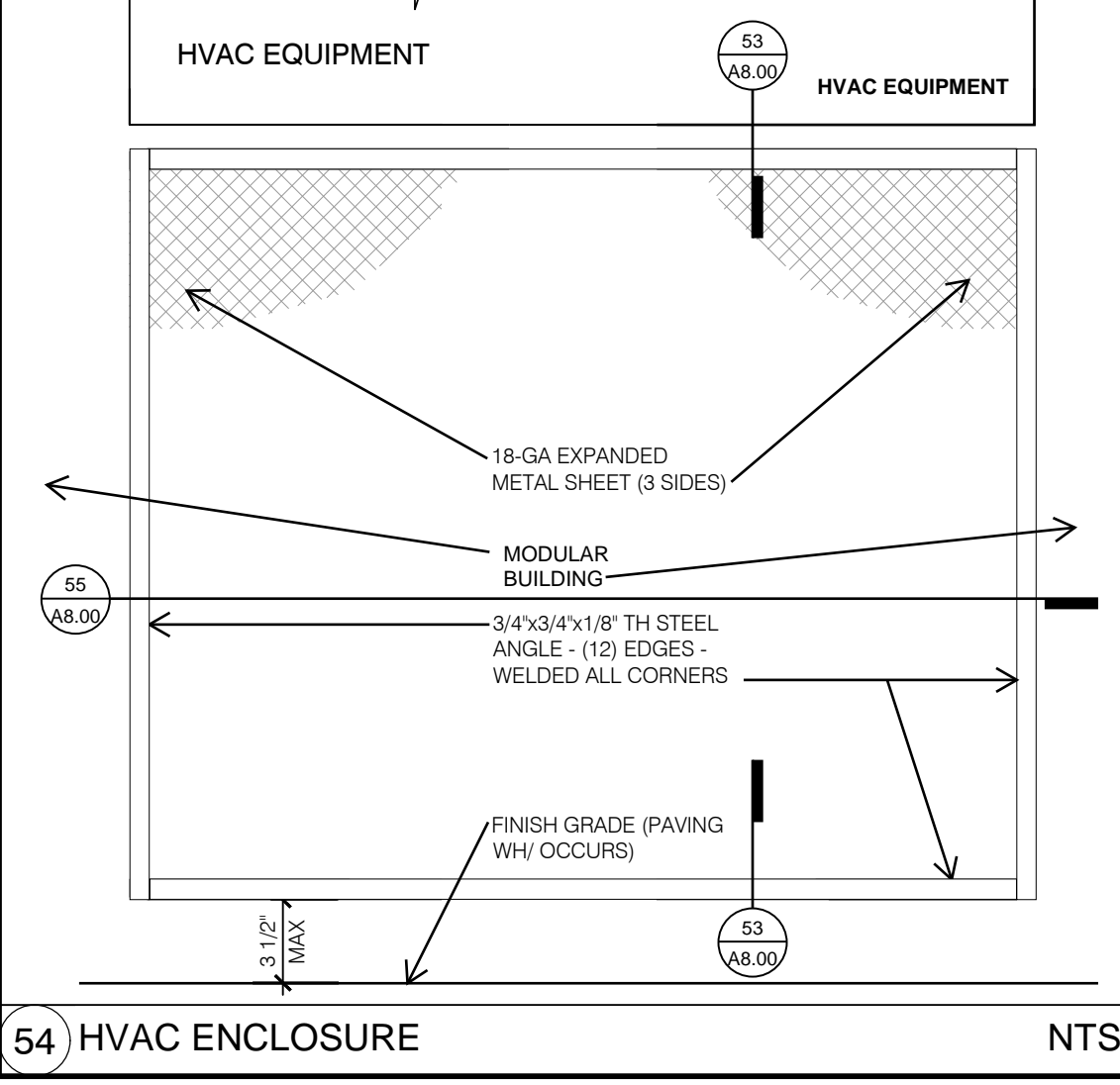
51) HVAC ENCLOSURE : 1"



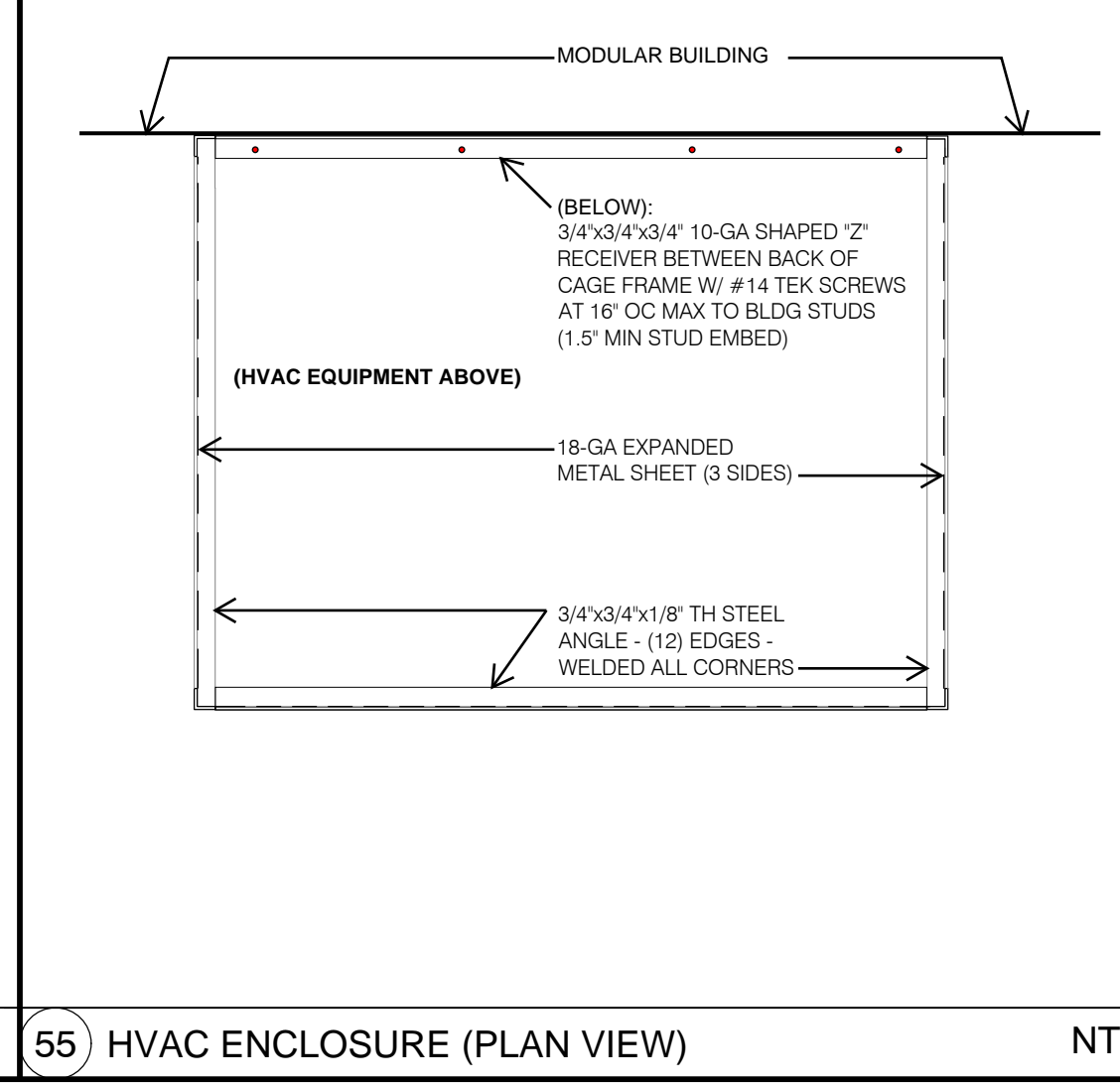
52) REDWOOD HEADER : 3"



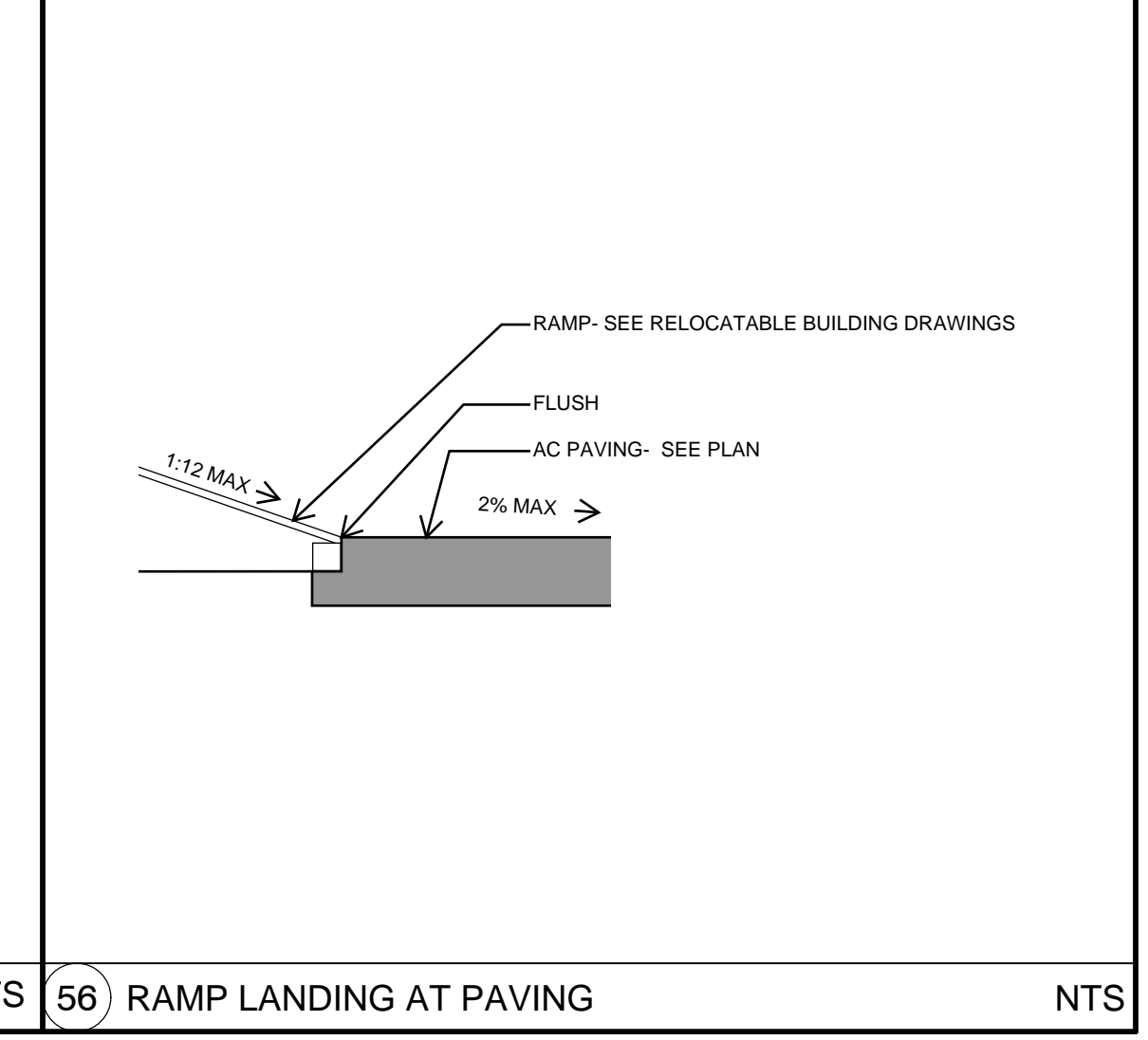
53) HVAC ENCLOSURE NTS



54) HVAC ENCLOSURE NTS



55) HVAC ENCLOSURE (PLAN VIEW) NTS



56) RAMP LANDING AT PAVING NTS

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tel: 661.327.1690 fax: 661.327.7204
web: www.oiparchitects.net

SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

Pioneer
Elementary School
4424 Pioneer Dr, Bakersfield, CA 93306
Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY
No. C-19670
REIN
11-30-23
STATE OF CALIFORNIA

JAMES PATRICK FOGARTY, AIA
ARCHITECT, C-19670

CONSULTANT

PROJECT INFO

No.	Date	Item
00-00-08	08/08/23	DESCRIPTION

REVISIONS

DETAILS

A8.00

04.28.23.08.18

GENERAL NOTES

ALL GRADING, EXCAVATION AND SOILS PREPARATION SHALL BE DONE IN CONFORMANCE WITH THE 2022 CALIFORNIA BUILDING CODE CHAPTER 33 AND AS NOTED IN THE GENERAL NOTES BELOW.

- COMPACTION IN PROPOSED PAVEMENT AREAS SHALL CONFORM TO COUNTY OF KERN STANDARDS.
- DURING DEMOLITION, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. PIPING SHOULD BE ABANDONED IN PLACE AND CAPPED AT THE PROJECT BOUNDARY.
- DUST CONTROL: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT A DUST NUISANCE ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES TO BE TAKEN BY THE CONTRACTOR SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - WATER SHALL BE APPLIED TO ALL UNPAVED AREAS AS REQUIRED TO PREVENT THE SURFACE FROM BECOMING DRY ENOUGH TO PERMIT DUST FORMATION.
 - PAVED SURFACES OVER WHICH VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL SHALL BE KEPT FREE OF DIRT.
- CONTRACTOR TO COORDINATE WITH THE INSPECTOR AND DISTRICT, THE LOCATION OF THE BORROW OR SPOILS PRIOR TO CONSTRUCTION.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND PIPELINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK. CONTRACTOR ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE, PRESERVE, AND PROTECT ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES.
- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO MARK THE LOCATIONS OF EXISTING UTILITY LINES.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- FILL AND GRADING, FOLLOWING THE REMOVAL AND DEMOLITION OF BUILDINGS, STRUCTURES, FOUNDATIONS, AND DISPOSAL OF ALL DEBRIS, THE AREA SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER. WHEN THE AREA HAS BEEN APPROVED FOR FILL AND GRADING BY THE ENGINEER, THE CONTRACTOR SHALL IMPORT THE NECESSARY QUANTITY OF DIRT TO FILL ALL EXCAVATED AREAS AND THEN COMPACT THE AREA RESULTING FROM THE REMOVAL OF FOUNDATIONS, FOOTINGS, PARKING LOTS, STREET IMPROVEMENTS, AND OTHER RELATED STRUCTURES. ANY AREA THAT REQUIRES FILL MUST BE COMPACTED TO 90% RELATIVE COMPACTION (95% BENEATH VEHICULAR TRAFFIC AREA). CONTRACTOR SHALL REMOVE ALL EXCAVATED MATERIAL AND DEBRIS FROM THE SITE.

FILL MATERIAL TO BE USED SHALL BE ANY OF THE FOLLOWING:

 - CLEAN FILL DIRT FREE OF STONES OR LUMPS GREATER THAN 3 INCHES IN THE LARGEST DIMENSION. THE MATERIAL WILL ALSO BE FREE OF ORGANIC OR OTHER UNSATISFACTORY MATERIAL. IMPORTED SOIL SHALL HAVE A MINIMUM "PI" VALUE OF 40. PRIOR TO THE START OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE GEOTECHNICAL ENGINEER THE LOCATION OF THE INTENDED BORROW SITE FOR ALL FILL TO BE USED ON THE PROJECT.
 - CALTRANS CLASS 2 AB.
 - CALTRANS CLASS 1, 2, OR 3 AS MADE FROM 100 % RECYCLED CONCRETE.
- TESTING OF BACKFILL MATERIAL AND COMPACTION SHALL BE IN ACCORDANCE WITH CALTRANS SECTION 6.3, "TESTING", AND SECTION 19, "EARTHWORK", OF THE STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF PUBLIC WORKS, DIVISION OF HIGHWAYS. RELATIVE COMPACTION SHALL BE DETERMINED BY CALIFORNIA TESTING METHODS 216 OR 231, OR ASTM (CURRENT EDITION) D1557 AND ONE OF THE FOLLOWING: D2922 OR D1556. EACH LAYER OF BACKFILL MATERIAL SHALL MEET THE COMPACTION REQUIREMENTS BEFORE THE NEXT LAYER IS PLACED. THE CONTRACTOR SHALL FURNISH THROUGH A CERTIFIED TESTING LABORATORY, SATISFACTORY TO THE GEOTECHNICAL ENGINEER, COMPACTION TESTING FOR BACKFILL. COMPACTION TEST SHALL BE PERFORMED FOR EVERY 18" LIFT AT LOCATIONS DETERMINED BY THE ENGINEER. IF A RELATIVE COMPACTION, AS DETERMINED BY TESTING, FAILS TO MEET THE SPECIFIED PERCENTAGE, THE AREA SHALL BE RE-EXCAVATED AND RE-COMPACTED.
- SITE ACCESSIBILITY SHALL BE IN CONFORMANCE WITH THE 2022 CALIFORNIA BUILDING CODE, CHAPTER 11B.
- IF THE CONTRACTOR DISCOVERS ANY DISCREPANCY BETWEEN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ENGINEER. REFER TO THE ENGINEERING DRAWINGS FOR PLACEMENT, ORIENTATION AND COORDINATION OF WORK. INFORMATION SHOWN IN LARGER SCALE IS INTENDED TO SUPPLEMENT INFORMATION OF SMALLER, PRECEDING REFERENCE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- NOTATIONS MARKED "TYPICAL" (TYP.) SHALL BE CONSISTENT THROUGHOUT ALL SUCH REFERENCE NOMENCLATURE, SYMBOLS AND DRAWING INDICATIONS OF LIKE OR SIMILAR KIND.
- DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY ASSOCIATED WORK. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ENGINEER PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK.
- CONTRACTOR SHALL VERIFY, AT THE SITE, ALL EXISTING CONDITIONS PRIOR TO SUBMITTAL OF BIDS. SITE VISITS DURING BIDDING SHALL BE COORDINATED WITH THE OWNER IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.
- CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THEIR OWN CLEANUP AS WORK PROGRESSES.
- MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS THAT ARE DISCOVERED DURING THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE OWNER IN WRITING. WORK IN THAT PARTICULAR AREA SHALL BE SUSPENDED UNTIL THE OWNER TESTS THE SUSPECT MATERIAL AND IT IS FOUND TO BE SAFE, OR THE MATERIAL HAS BEEN PROPERLY ABATED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK PROVIDED BY OTHERS UNDER SEPARATE CONTRACT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SCOPE OF WORK

SITE IMPROVEMENTS FOR (7) TEMPORARY USE RELOCATABLE CLASSROOM BUILDINGS DURING MODERNIZATION PROJECT.

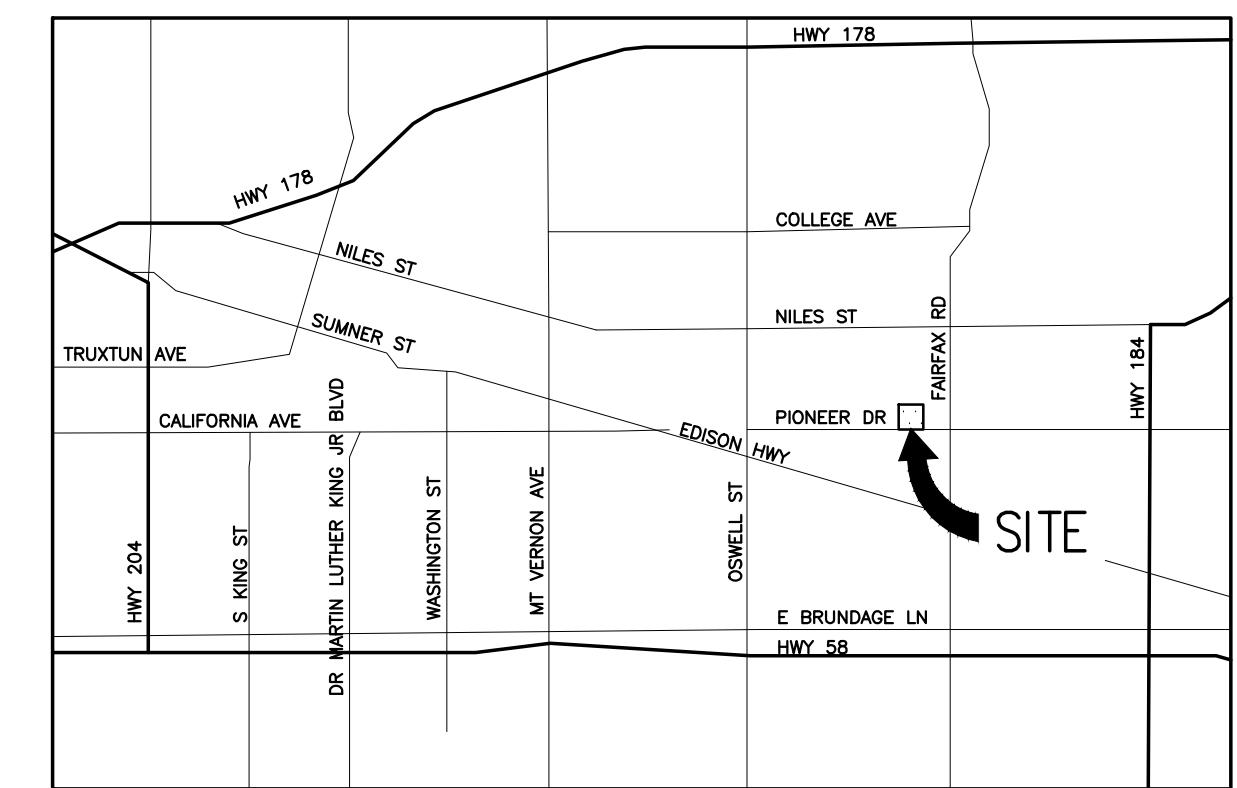
SITE GRADING AND DRAINAGE PLAN

PIONEER ELEMENTARY SCHOOL

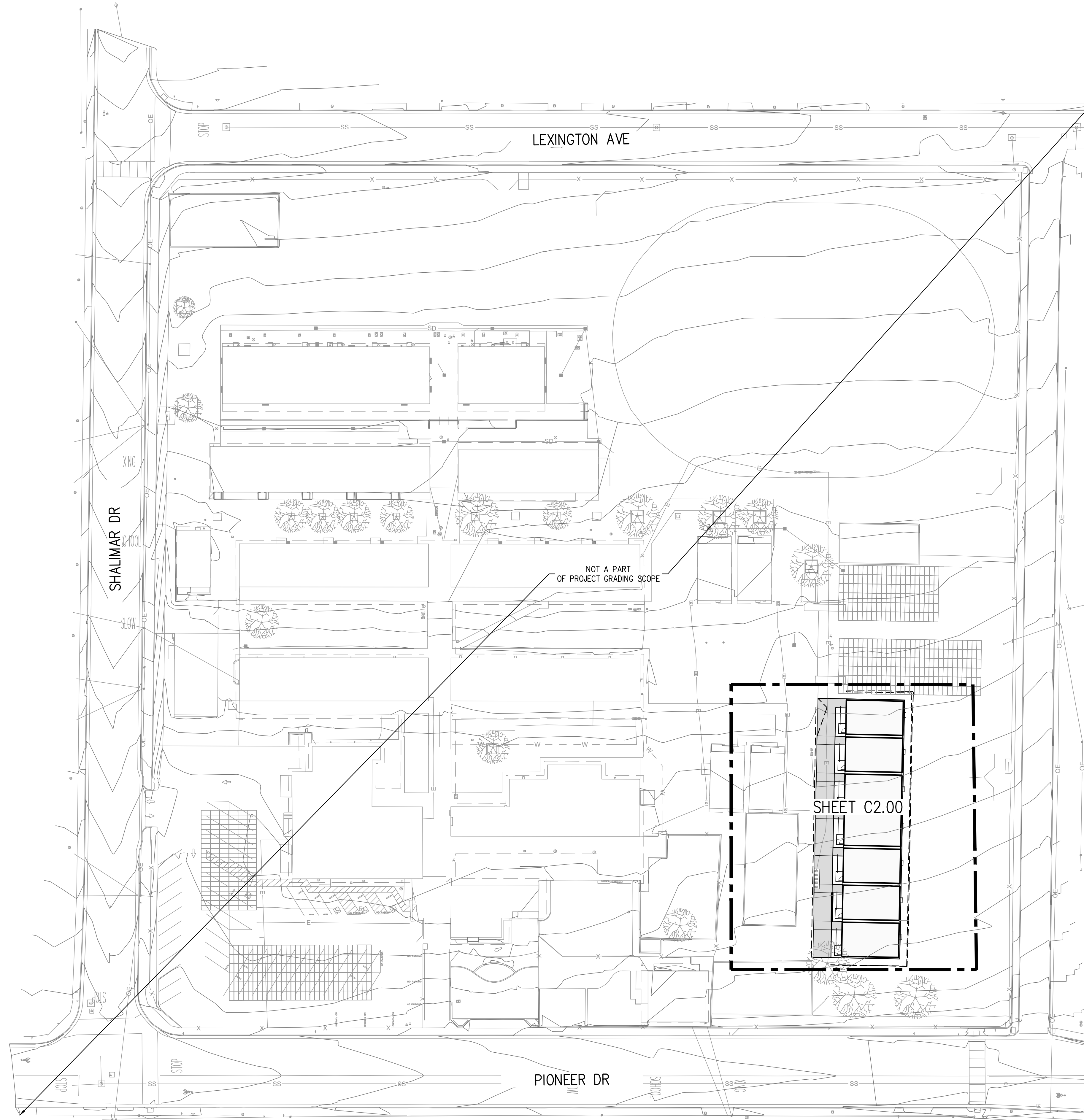
RELOCATABLE CLASSROOM BUILDINGS (7)

BAKERSFIELD CITY SCHOOL DISTRICT

4404 PIONEER DR, BAKERSFIELD, CA.



VICINITY MAP
N.T.S.



KEY MAP

SCALE: 1" = 40'

SHEET INDEX

SHEET	DESCRIPTION
C1.00	COVER SHEET AND NOTES
C2.00	GRADING PLAN

OWNER:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST, BAKERSFIELD, CA. 93305
(661) 631-4600

CIVIL ENGINEER:

CORNERSTONE ENGINEERING, INC
5509 YOUNG STREET, BAKERSFIELD, CA. 93311
(661) 325-9474

ARCHITECT:

AP ARCHITECTS
3434 TRUXTUN AVENUE, SUITE 240
BAKERSFIELD, CA. 93301
(661) 327-1690

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 06/08/2023

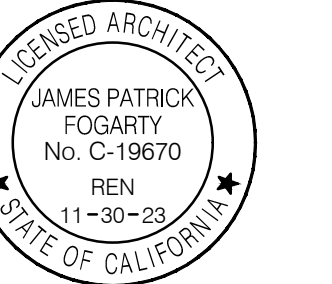


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Bakersfield, California 93301
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web | www.aparchitects.net

SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

Pioneer Drive Elementary School
4404 Pioneer Dr Bakersfield, CA 93307
Bakersfield City School District

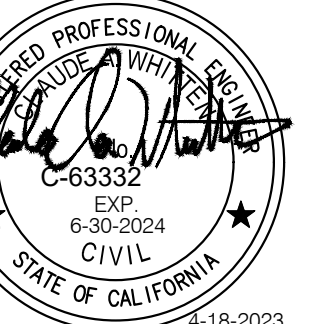
ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670



CONSULTANT



CORNERSTONE ENGINEERING
CONSULTANTS • ENGINEERS • LAND SURVEYORS
5509 YOUNG STREET, BAKERSFIELD, CA 93311
TEL: (661) 325-9474 FAX: (661) 322-0129
www.cornerstoneeng.com

PROJECT INFO

Project No	566-0017
Date	4-18-2023
DSA File No	15-6
DSA No	03-123037

REVISIONS

No	Date	Item
00.00.08		DESCRIPTION

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DATE: 04-19-23 09:37

COVER SHEET AND NOTES

C1.00



Know what's below.
Call before you dig.

CONTRACTOR SHALL CONTACT 811 FOR LOCATION OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

ENGINEER'S STATEMENT:

THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH STANDARDS, DESIGN CRITERIA, AND INCLUDE ALL IMPROVEMENT REQUIREMENTS OF THE ADVISORY AGENCY OR OTHER REVIEW BOARD. ANY ERRORS, OMISSIONS OR OTHER VIOLATIONS OF THOSE ORDINANCES, STANDARDS OR DESIGN CRITERIA ENCOUNTERED DURING CONSTRUCTION SHALL BE CORRECTED AND SUCH CORRECTIONS REFLECTED ON CORRECTED PLANS SUBMITTED TO THE ADVISORY AGENCY.

Claude A. Whitten
CLAUDE A. WHITTEN, C-63332

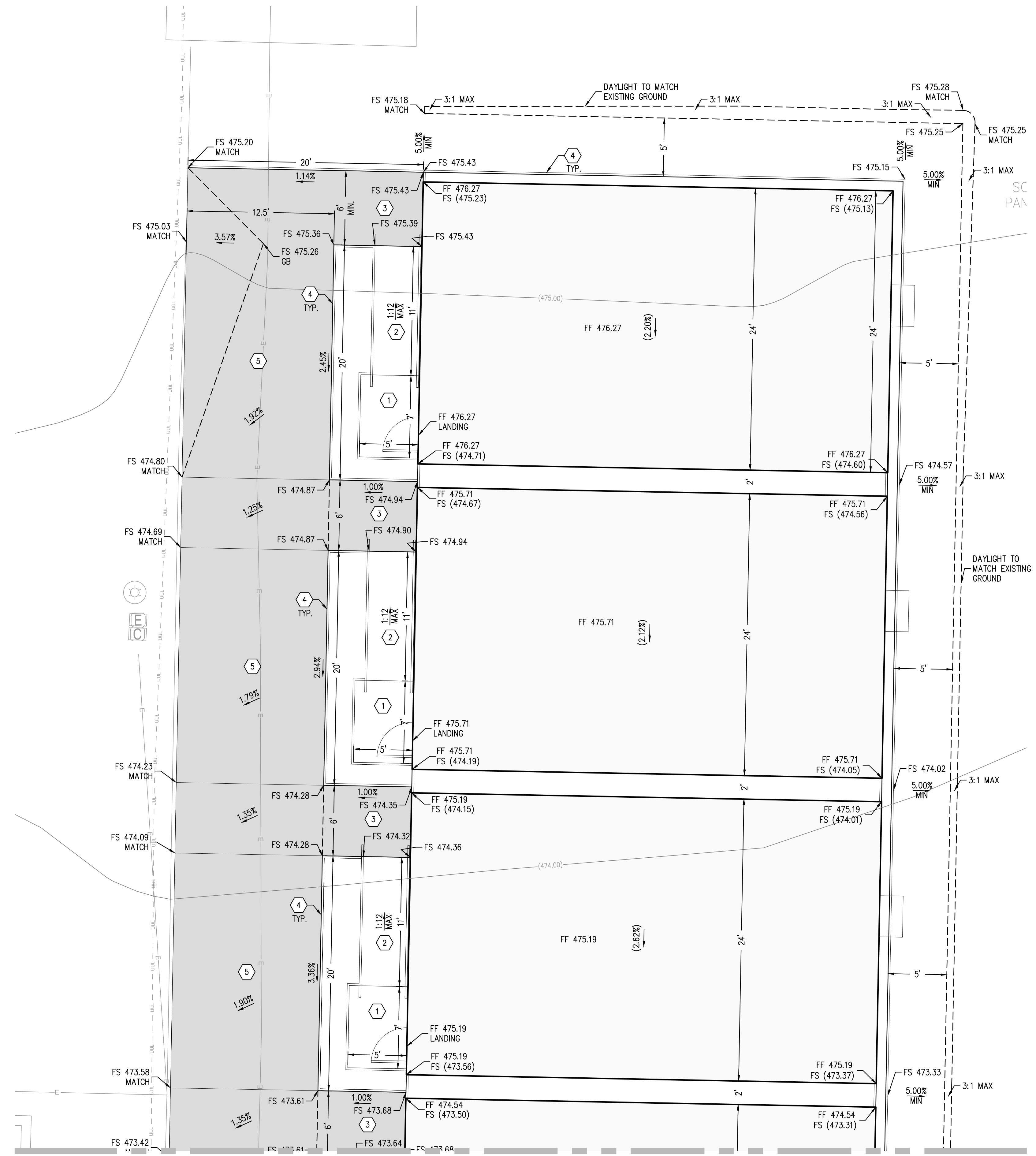
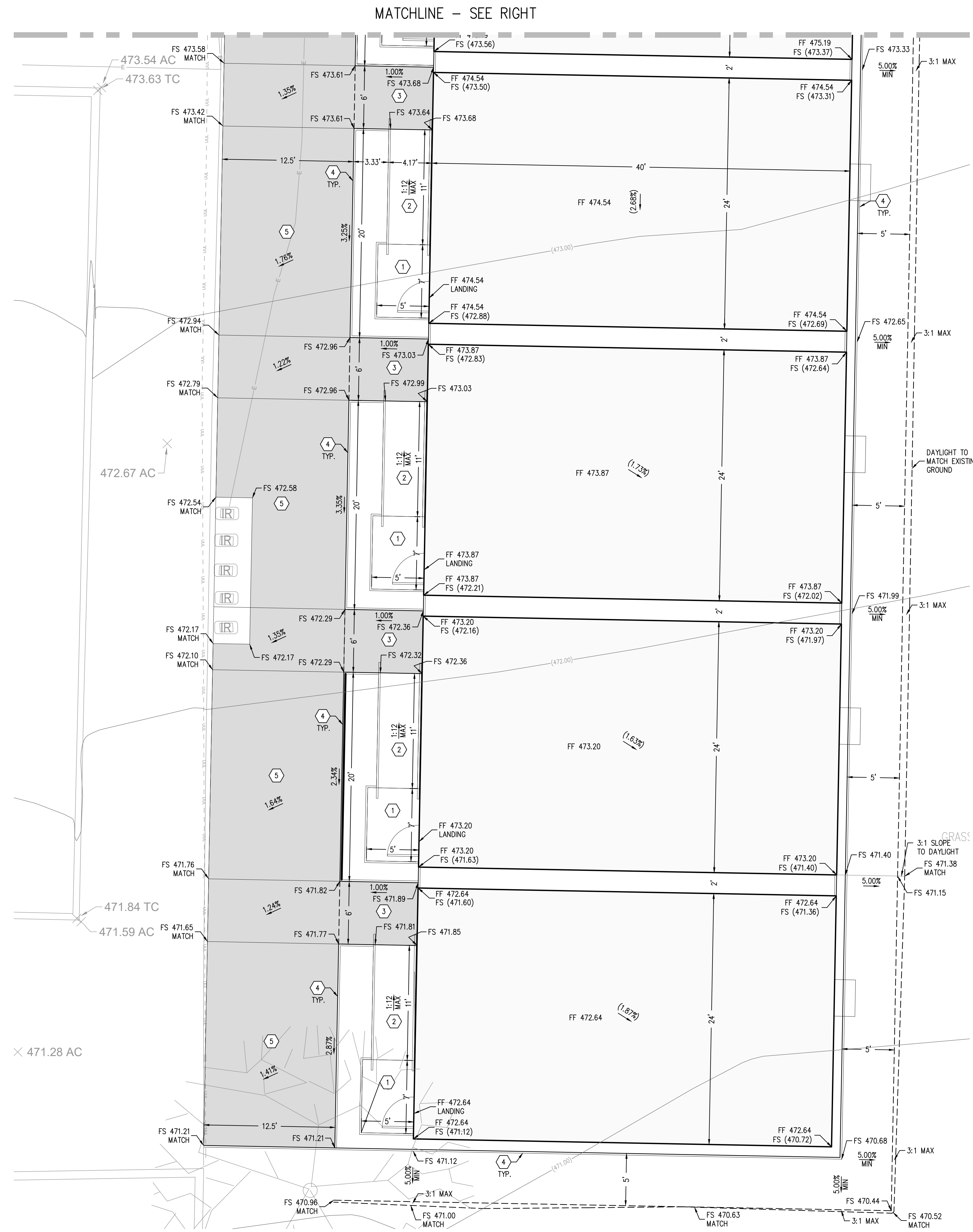
4/18/2023
DATE

CONSTRUCTION NOTES

- 1 PRE-MANUFACTURED METAL FRAMED LANDING AND RAILING PROVIDED AND INSTALLED BY MODULAR BUILDING VENDOR - SEE MODULAR BUILDING SHEETS FOR ADDITIONAL INFORMATION. SET FLUSH WITH MODULAR FINISH FLOOR ELEVATION
- 2 PRE-MANUFACTURED METAL FRAMED RAMP AND RAILING PROVIDED AND INSTALLED BY MODULAR BUILDING VENDOR - SEE MODULAR BUILDING SHEETS FOR ADDITIONAL INFORMATION
- 3 AC RAMP LANDING WITH MAXIMUM 2% SLOPE IN ANY DIRECTION - FLUSH TRANSITION AT RAMP
- 4 REDWOOD HEADER BOARD PER DETAIL 22/A8.00

LEGEND (HATCH)

- 5 WALKWAY PAVEMENT: 4" TYPE "B" A.C./12" NATIVE SOIL SUBBASE COMPACTED TO 90% M.D.D. PER ASTM D1557



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-123037 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

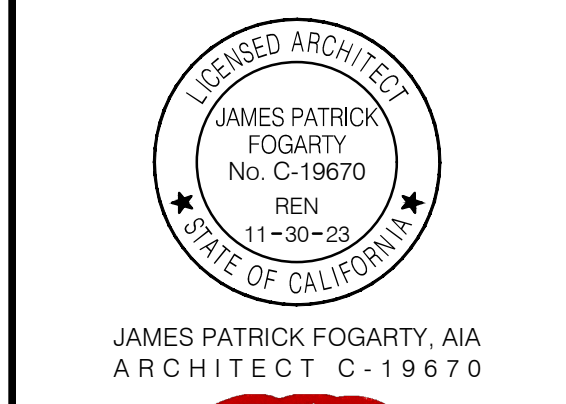


3434 Truxtun Avenue, Suite 240
 Bakersfield, California 93301
 Tel: 661.327.1690 Fax: 661.327.7204
 Web: www.oiparchitects.net

**SITE IMPROVEMENTS
 FOR (7)
 RELOCATABLE
 CLASSROOM
 BUILDINGS**

Pioneer Drive
 Elementary School
 484 Pioneer Dr Bakersfield CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT G-19670

CONSULTANT



**CORNERSTONE
 ENGINEERING**
 CONSULTANTS • ENGINEERS • LAND SURVEYORS
 5009 YOUNG STREET, BAKERSFIELD CA 93311
 TEL: (805) 325-9474 FAX: (805) 325-9109
 www.cornerstoneeng.com

PROJECT INFO

Project No	566-0017
Date	4-18-2023
DSA File No	15-6
DSA No	03-123037

REVISIONS

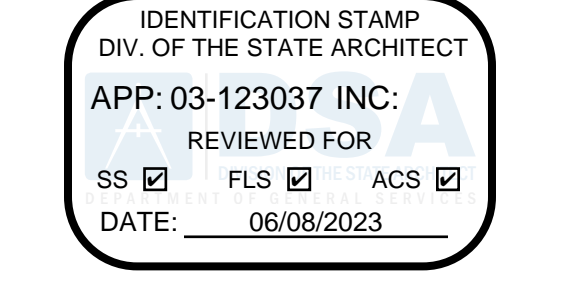
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1	00.00.08	DESCRIPTION

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04.19.23.10.17

GRADING PLAN

C2.00

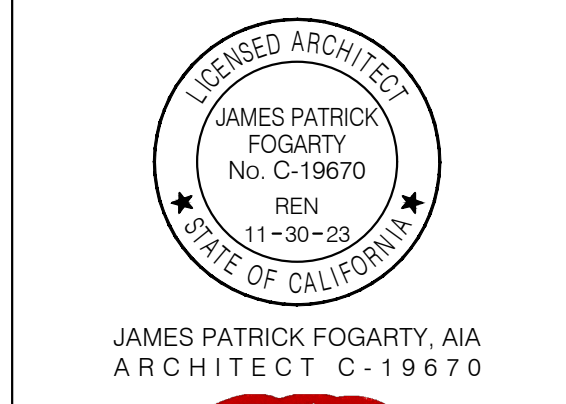


3434 Truxtun Avenue, Suite 240
Bakersfield, California 93301
tel | 661.327.1690 fax | 661.327.7204
web | www.oiparchitects.net

SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

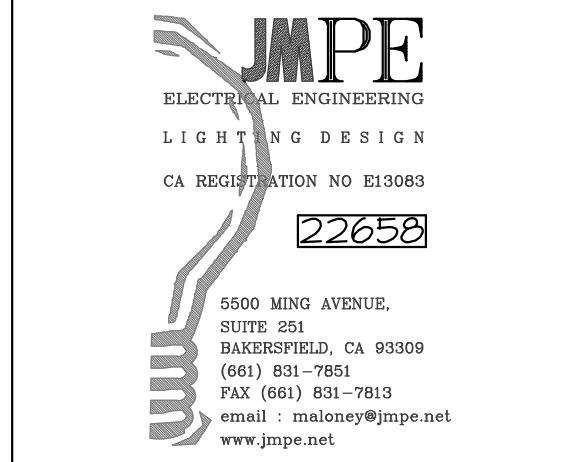
Pioneer Elementary School
4424 Pioneer Dr, Bakersfield, CA 93306
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT, C-19670

CONSULTANT



PROJECT INFO

Project No	566-0017
Date	04.19.23
DSA File No	15-6
DSA No	03-123037

REVISIONS

No	Date	Item
1	06.08.2023	DESCRIPTION

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OUTDOOR LTG COMPLIANCE FORMS

E0.02

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 1 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

A. GENERAL INFORMATION

01 Project Location (city)	BAKERSFIELD	04 Total Illuminated Hardscape Area (ft ²)	400
02 Climate Zone	13	03 Outdoor Lighting Zone per Title 24 Part 1, 10.114 or as designated by Authority Having Jurisdiction (AHJ):	
<input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland	<input type="checkbox"/> LZ-2: Moderate - Urban Clusters	<input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> LZ-1: Low - Rural Areas	<input checked="" type="checkbox"/> LZ-3: Moderately High - Urban Areas		
05 Occupancy Types within Project			
<input checked="" type="checkbox"/> Relocatable Public School			

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)Bv for alterations.
My Project Consists of:

01	02
<input checked="" type="checkbox"/> New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?
03	04
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered
<input type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input type="checkbox"/> >= 50%	05 Calculation Method

Footnotes:
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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Schema Version: rev 20220101 Report Generated: 2023-04-19 12:45:58

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 2 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

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 / 170.2(e)6 or 141.0(b)(2) / 180.2(b)(4)Bv											
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 / 170.2(e)6 (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)Bv (See Table N)	=	Total Allowed (Watts)	>=	Total Actual (Watts)	07 must be >= 08	
278.39	+	---	+	---	+	---	=	278.39	>=	108	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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Schema Version: rev 20220101 Report Generated: 2023-04-19 12:45:58

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 3 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(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.

Designated Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per 140.7(a) / 170.2(e)6(A)	Design Watts	Cutoff Req. > 6,200 Initial lumen output 130.7(l) / 160.5(c)1 ⁴	Field Inspector Pass Fail
A	LED WALL PACK <input type="checkbox"/> Linear	54	Mfr. Spec	2	New	<input type="checkbox"/>	108	NA: < 6200 lumens	<input type="checkbox"/> <input type="checkbox"/>
Total Design Watts:								108	

Footnotes:
¹ NOTES: Selections with a "*" require a note in the space below explaining how compliance is achieved.
² EX: Luminaire is lighting a statue; EXCEPTOR 2 to 180.200
³ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
⁴ 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.
⁵ 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.
⁶ 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.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
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Schema Version: rev 20220101 Report Generated: 2023-04-19 12:45:58

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 4 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

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
BUILDING WALKWAY: "A"	Astronomical Timer	Provided	NA: >=24 ft	Pass Fail

Footnotes:
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 cut sheets 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 exempted from ii and iii.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 5 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

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/170.2-A while "Use it or lose it" Allowances are per Table 140.7-B/170.2-B. 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

02	03	04	05	06	07	08	09
Area Description	Illuminated Area (ft ²)	Area Wattage Allowance (W/ft ²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
BUILDING WALKWAY	400	0.021	8.4	100	0.2	20	28.4
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only) ¹							
Total General Hardscape Allowance (Watts):							278.39

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.

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: 102457-0423-0002
Schema Version: rev 20220101 Report Generated: 2023-04-19 12:45:58

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 6 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

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/itric24/attcp/providers.html>
Form/Title

Systems/Spaces To Be Field Verified

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

BUILDING WALKWAY: "A"

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: 102457-0423-0002
Schema Version: rev 20220101 Report Generated: 2023-04-19 12:45:58

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PIONEER TEMPORARY PORTABLES Report Page: (Page 7 of 7)
Date Prepared: 2023-04-19T15:45:56-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: John Maloney
Signature Date: [Signature]
Address: [Address]
City/State/Zip: [City/State/Zip]

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: [Name]
Signature Date: [Signature]
Address: [Address]
City/State/Zip: [City/State/Zip]

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: 102457-0423-0002
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LED FIXTURE SCHEDULE

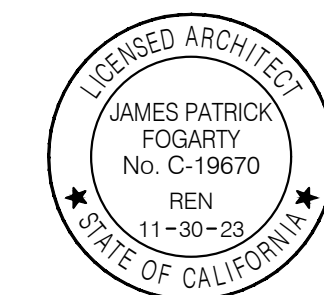
LED MODULE		LED MODULE		DRIVER		OPTIC/LENS		REMARKS	
TYPE	MANUFACTURER AND CATALOG NUMBER	TYPE	COLOR TEMP	WATTS					
A 54	LITHONIA TWX2 LED ALD 30K MVOLT PE DDBXD		3000K	54	0-10V		PRISMATIC		WALL PACK W/ PHOTOCCELL

**SITE IMPROVEMENTS
 FOR (7)
 RELOCATABLE
 CLASSROOM
 BUILDINGS**

Pioneer
 Elementary School

4424 Pioneer Dr. Bakersfield, CA 93306
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT, C-19670

CONSULTANT



PROJECT INFO

Project No	566-0017
Date	04.13.23
DSA File No	15-6
DSA No	03-123037

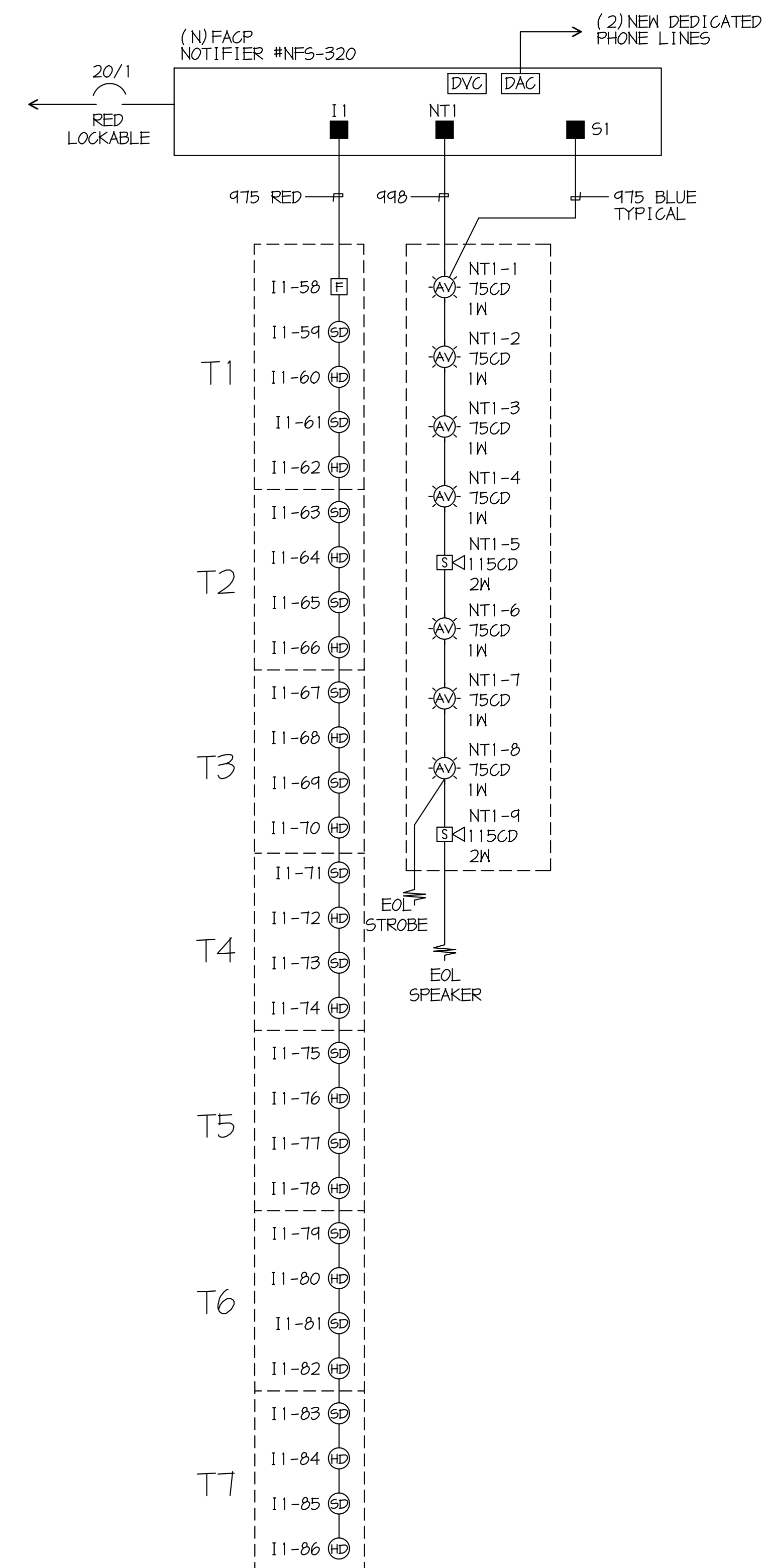
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No	Date	Item
△	00.00.08	DESCRIPTION

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FIRE ALARM
 RISER DIAGRAM

E0.04

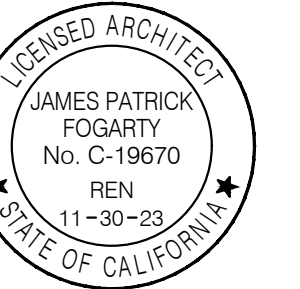


FIRE ALARM RISER DIAGRAM

**SITE IMPROVEMENTS
 FOR (7)
 RELOCATABLE
 CLASSROOM
 BUILDINGS**

Pioneer
 Elementary School
 4404 Pioneer Dr. Bakersfield, CA 93306
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT, C-19670



CONSULTANT

JMPE
 ELECTRICAL ENGINEERING
 LIGHTING DESIGN
 CA REGISTRATION NO. E13085
 22658
 5500 WING AVENUE,
 SUITE 500
 BAKERSFIELD, CA 93309
 (805) 831-7811
 FAX (805) 831-7813
 email | jmpe@jmpe.net
 www.jmpe.net



PROJECT INFO

Project No	566-0017
Date	02.14.23
DSA File No	15-6
DSA No	03-123037

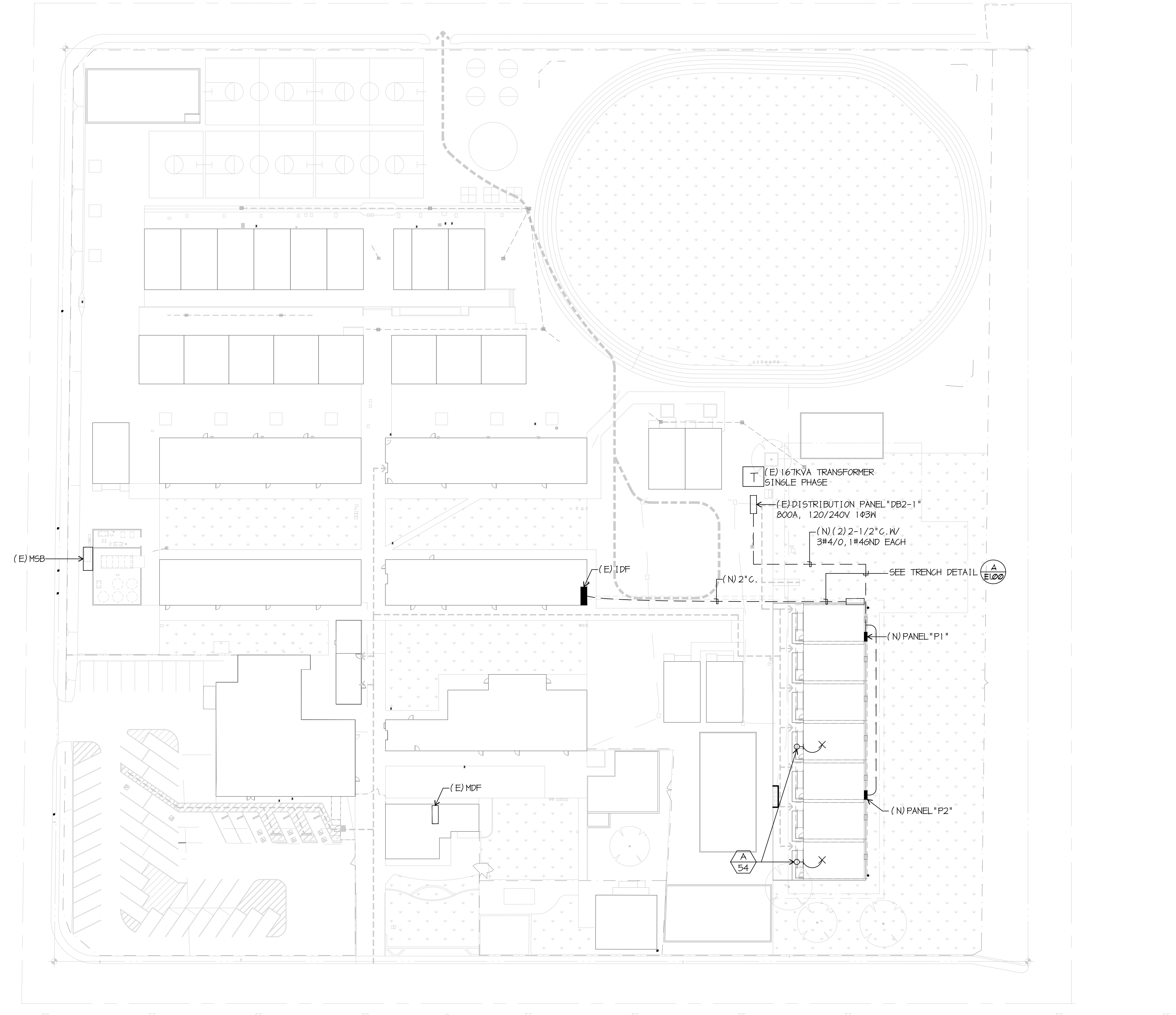
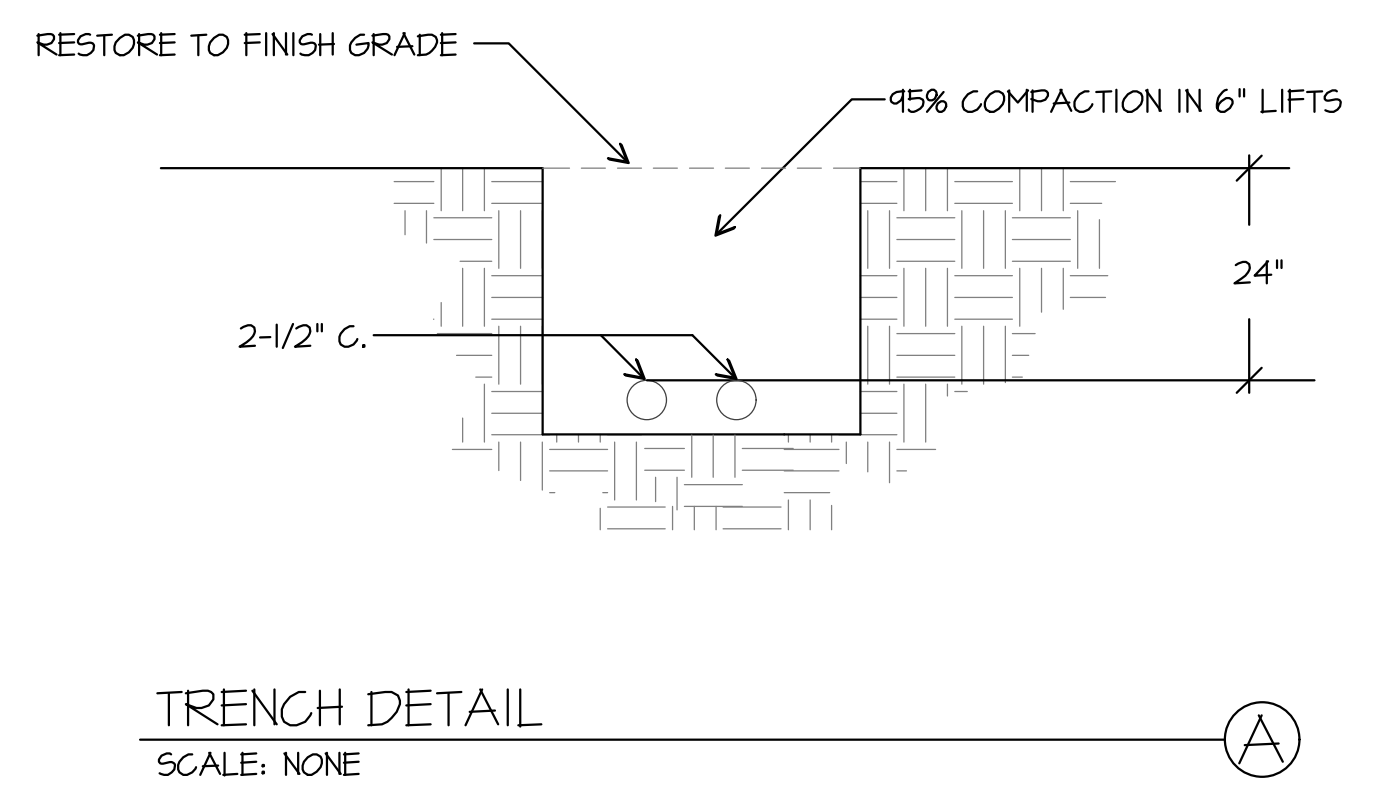
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ELECTRICAL SITE PLAN

E1.00



ELECTRICAL SITE PLAN
 SCALE: 1/32"=1'-0"

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-123037 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

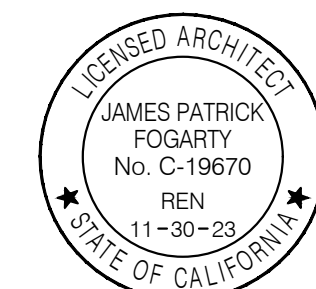


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 web | www.aparchitects.net

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ARCHITECT



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PROJECT INFO

Project No	566-0017
Date	04.13.23
DSA File No	15-6
DSA No	03-123037

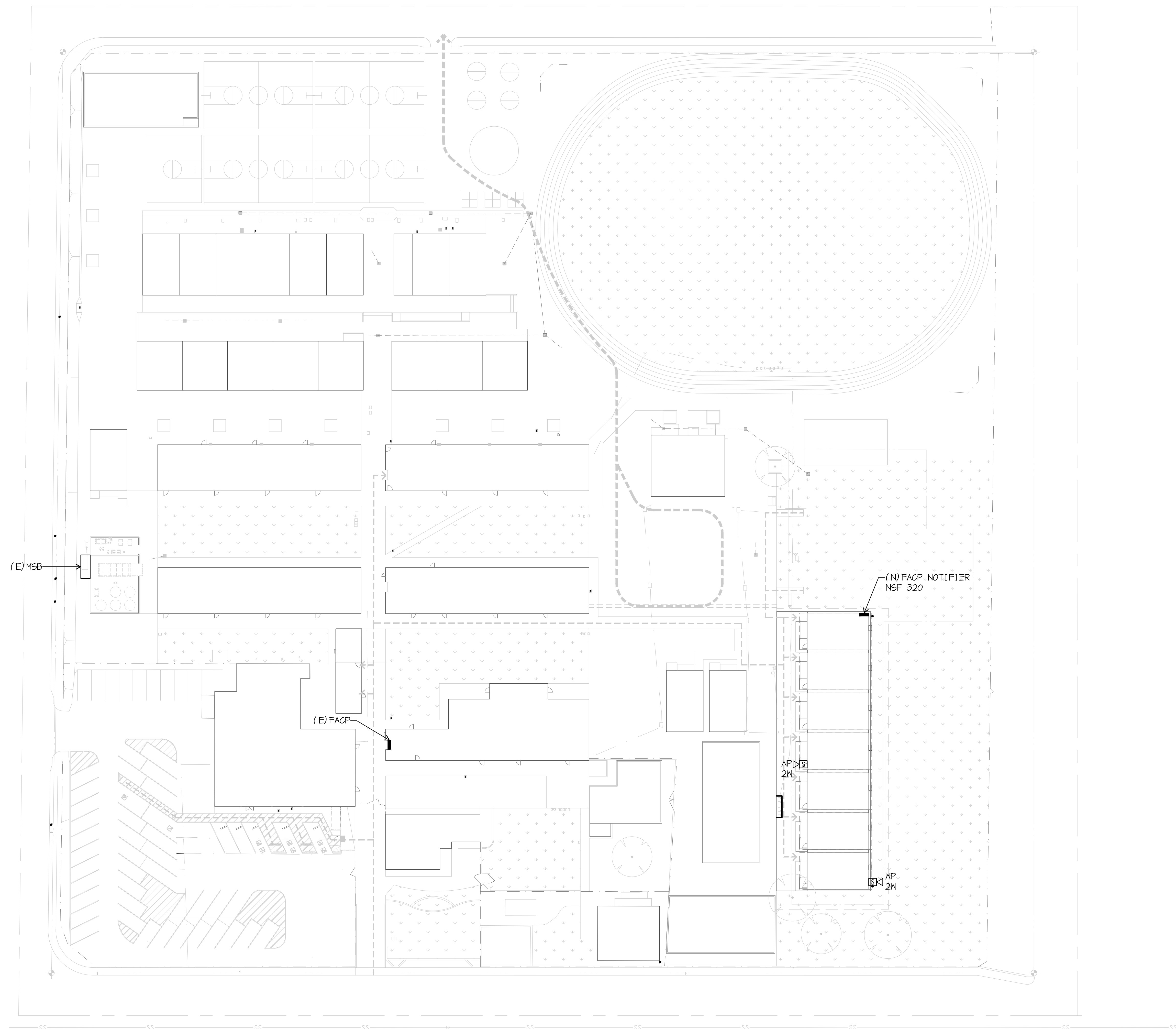
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FIRE ALARM SITE PLAN

E1.01

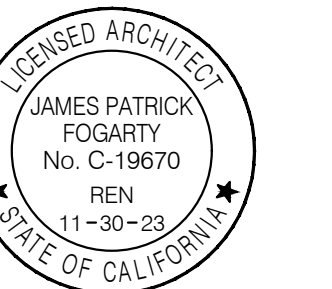


FIRE ALARM SITE PLAN
 SCALE: 1/32"=1'-0"

**SITE IMPROVEMENTS
 FOR (7)
 RELOCATABLE
 CLASSROOM
 BUILDINGS**

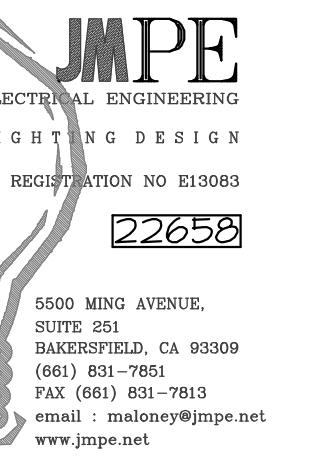
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ARCHITECT



JAMES PATRICK FOGARTY, AIA
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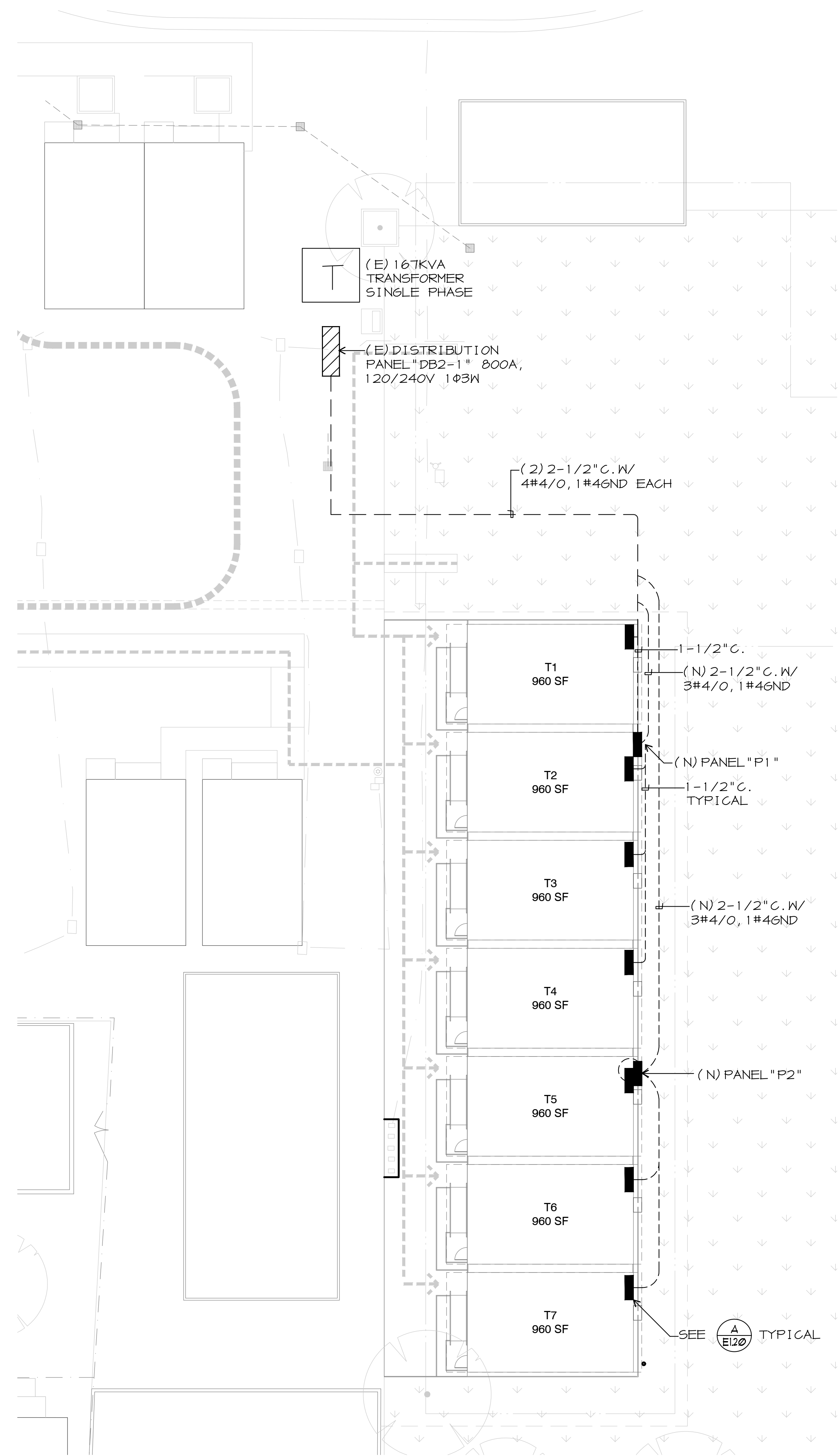
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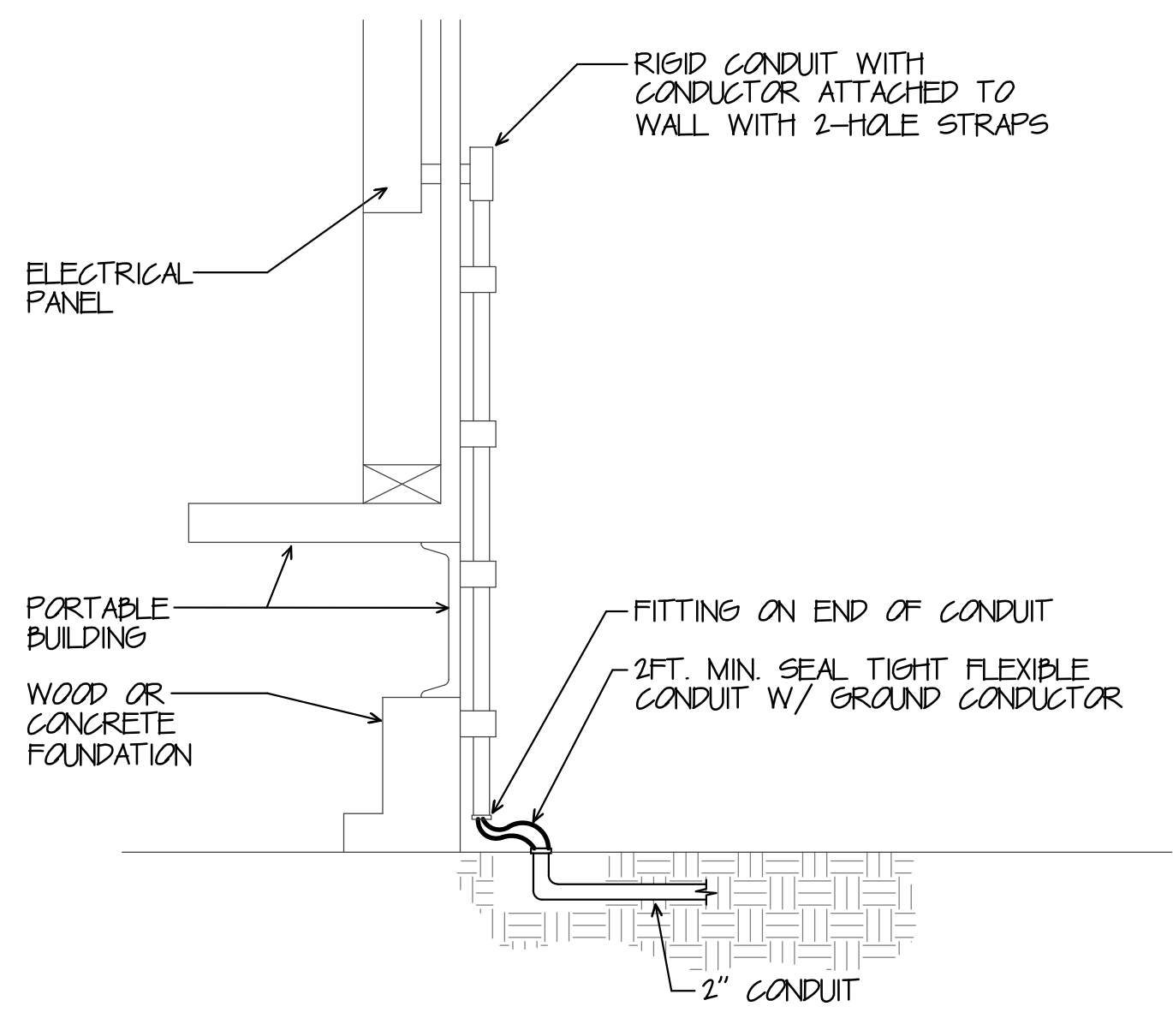
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PARTIAL SITE ELECTRICAL
 PANEL PLAN

E1.20



PARTIAL SITE ELECTRICAL PANEL PLAN
 SCALE: 1/16"=1'-0"



TYPICAL RELOCATABLE CLASSROOM CONNECTION
 SCALE: NONE

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-123037 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

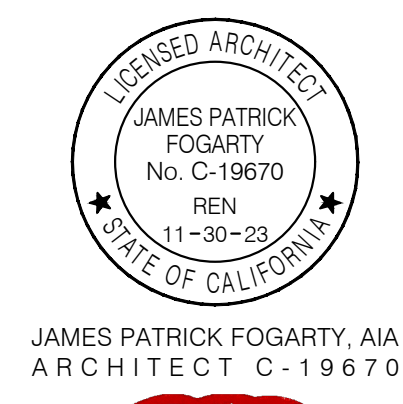


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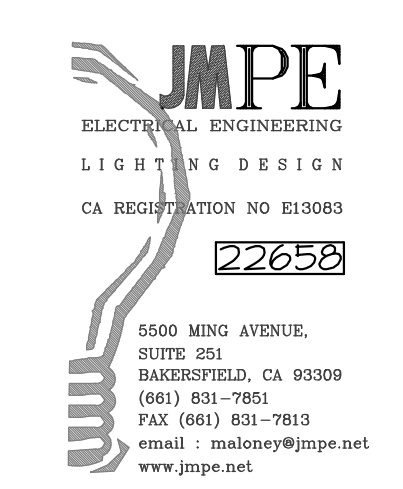
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PROJECT INFO

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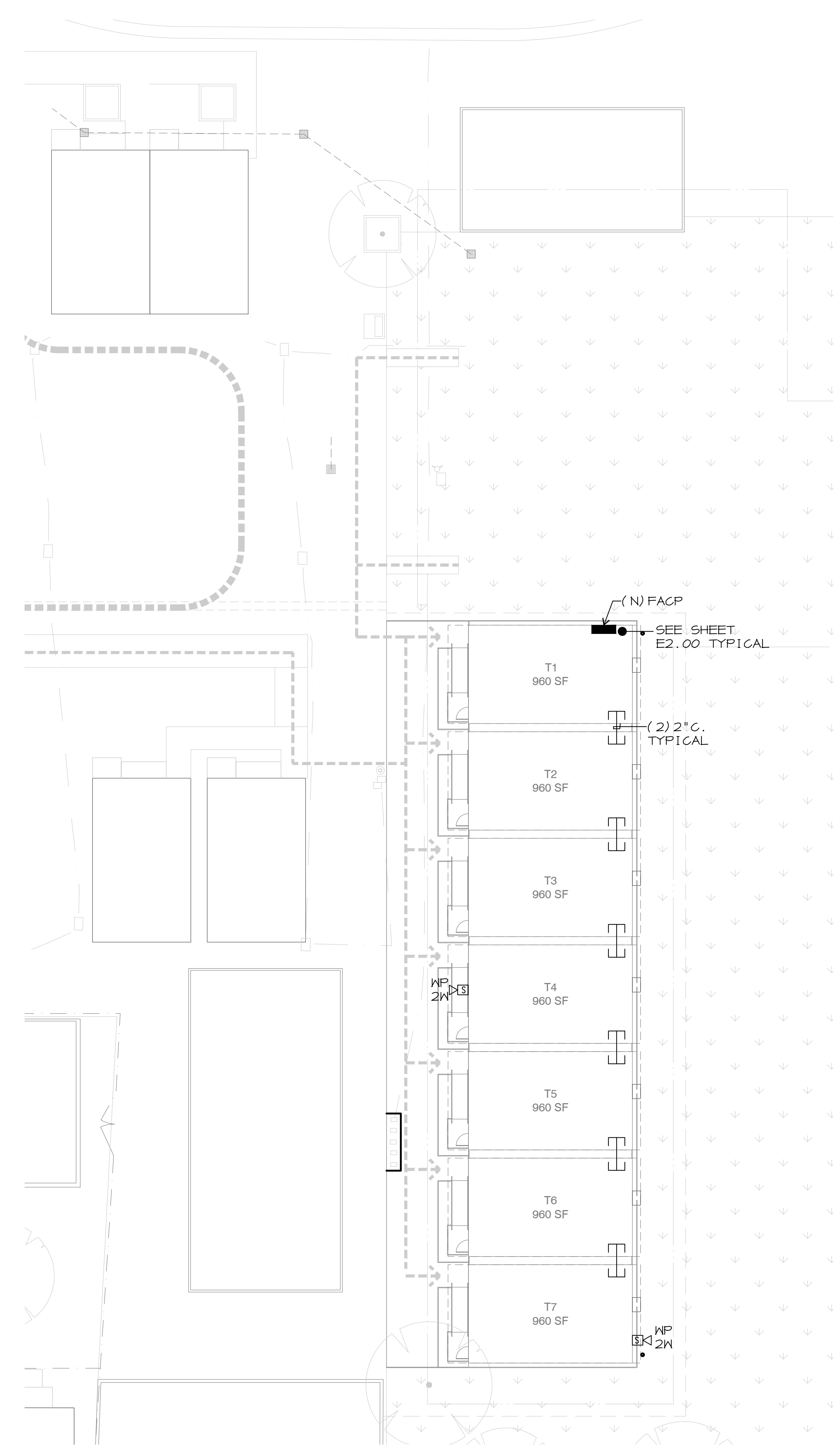
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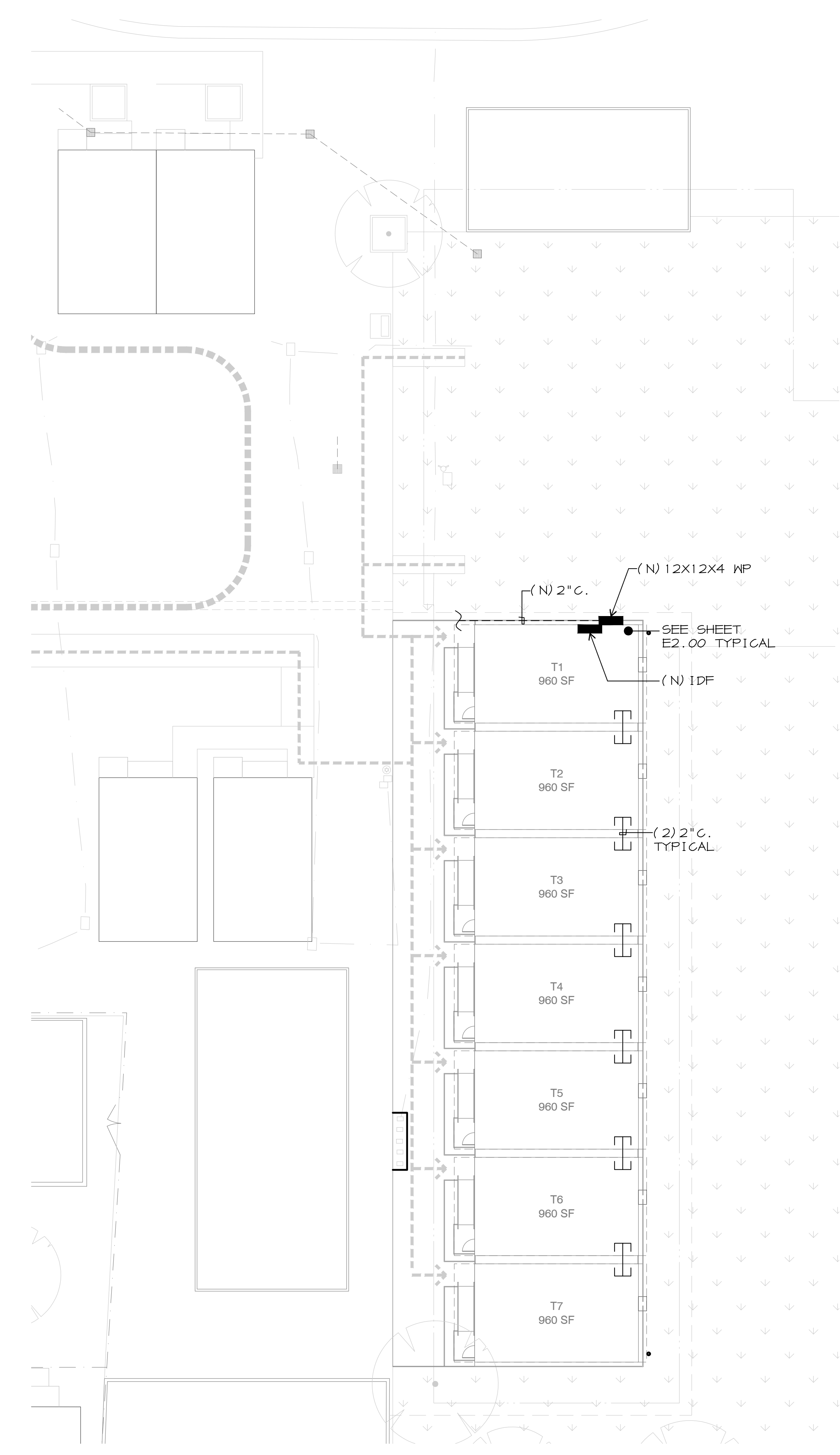
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PARTIAL SITE FIRE AND DATA/COM PLAN

E1.30



PARTIAL SITE FIRE ALARM PLAN
 SCALE: 1/16"=1'-0"

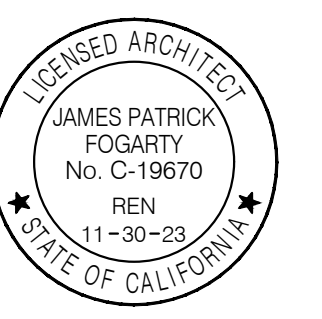


PARTIAL SITE DATA PANEL PLAN
 SCALE: 1/16"=1'-0"

**SITE IMPROVEMENTS
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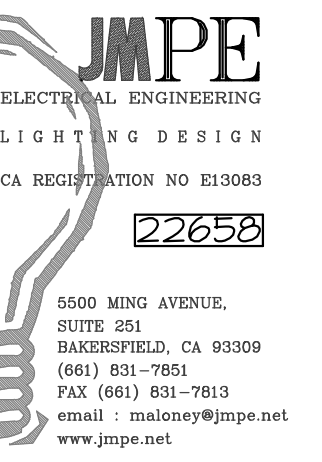
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DSA File No	15-6
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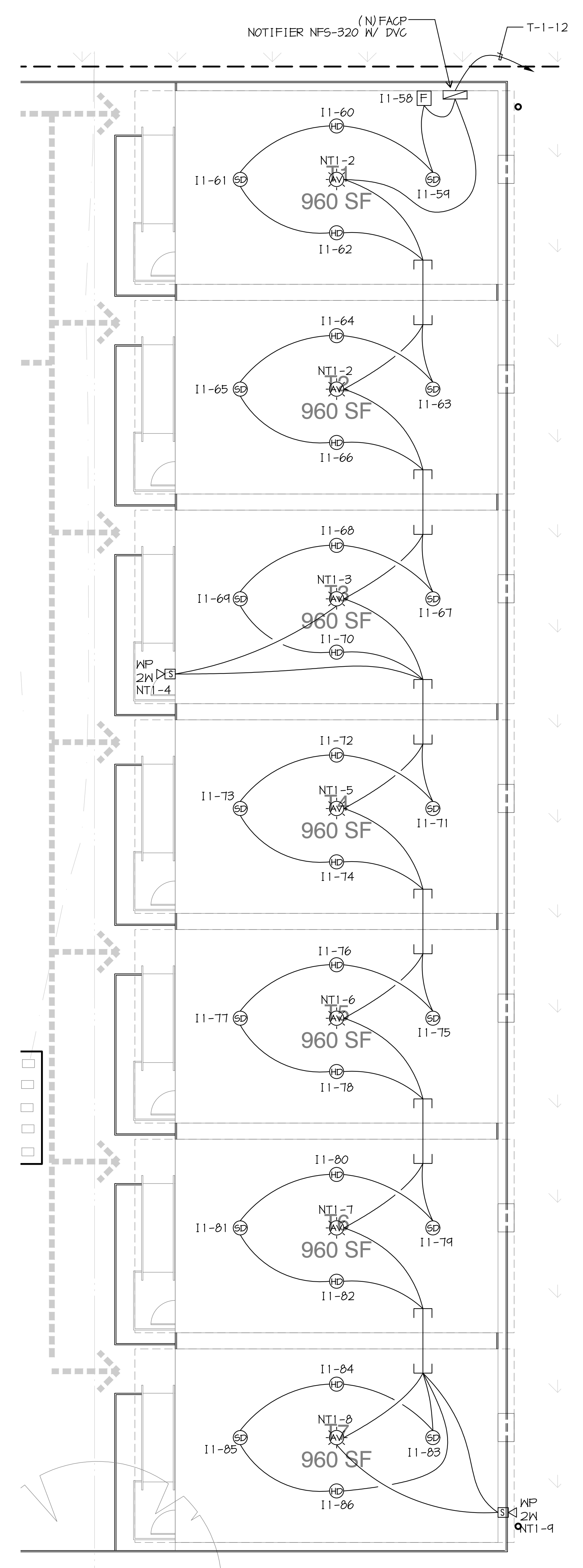
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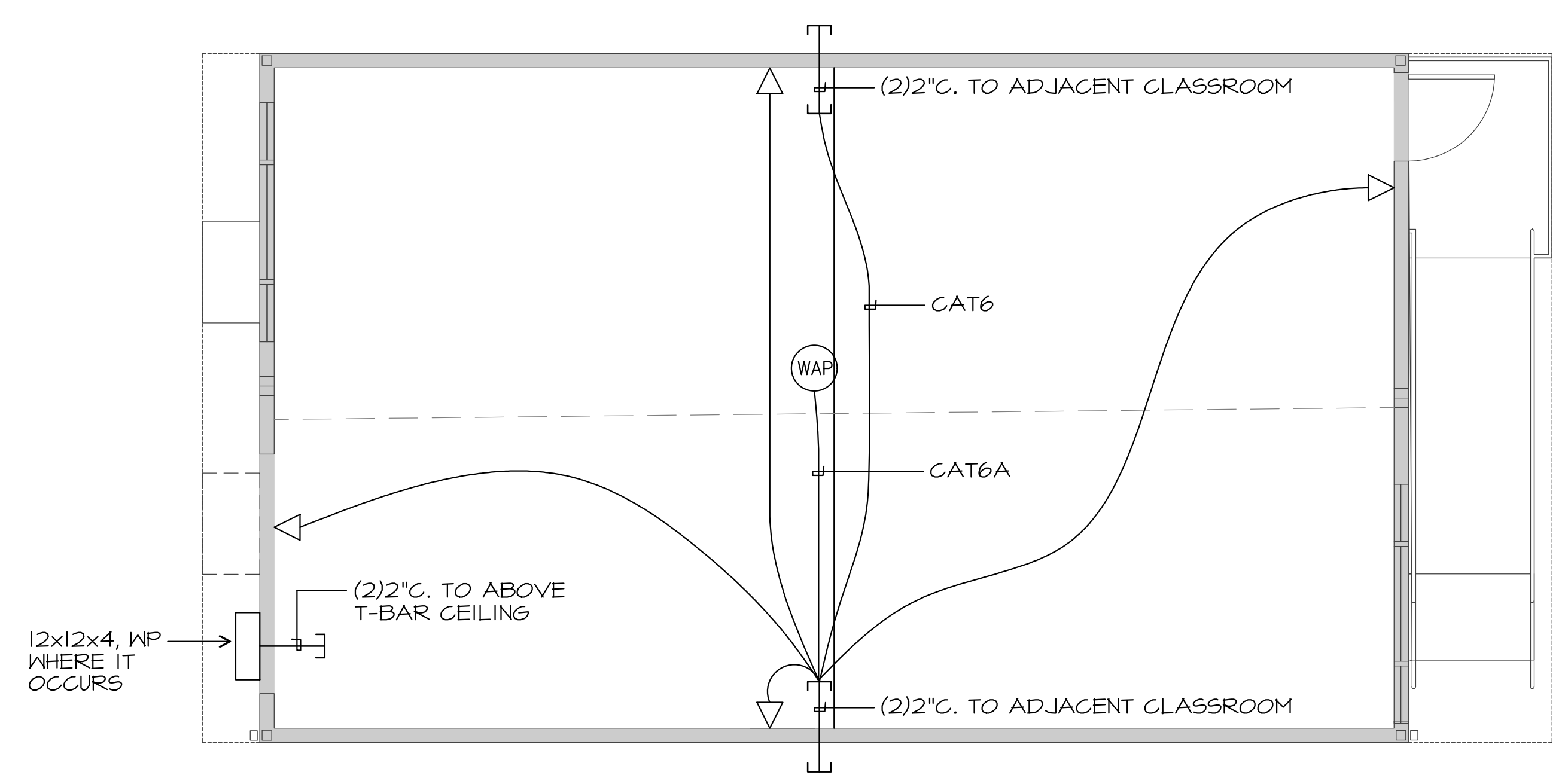
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ENLARGED FIRE ALARM & DATA/COMM PLAN

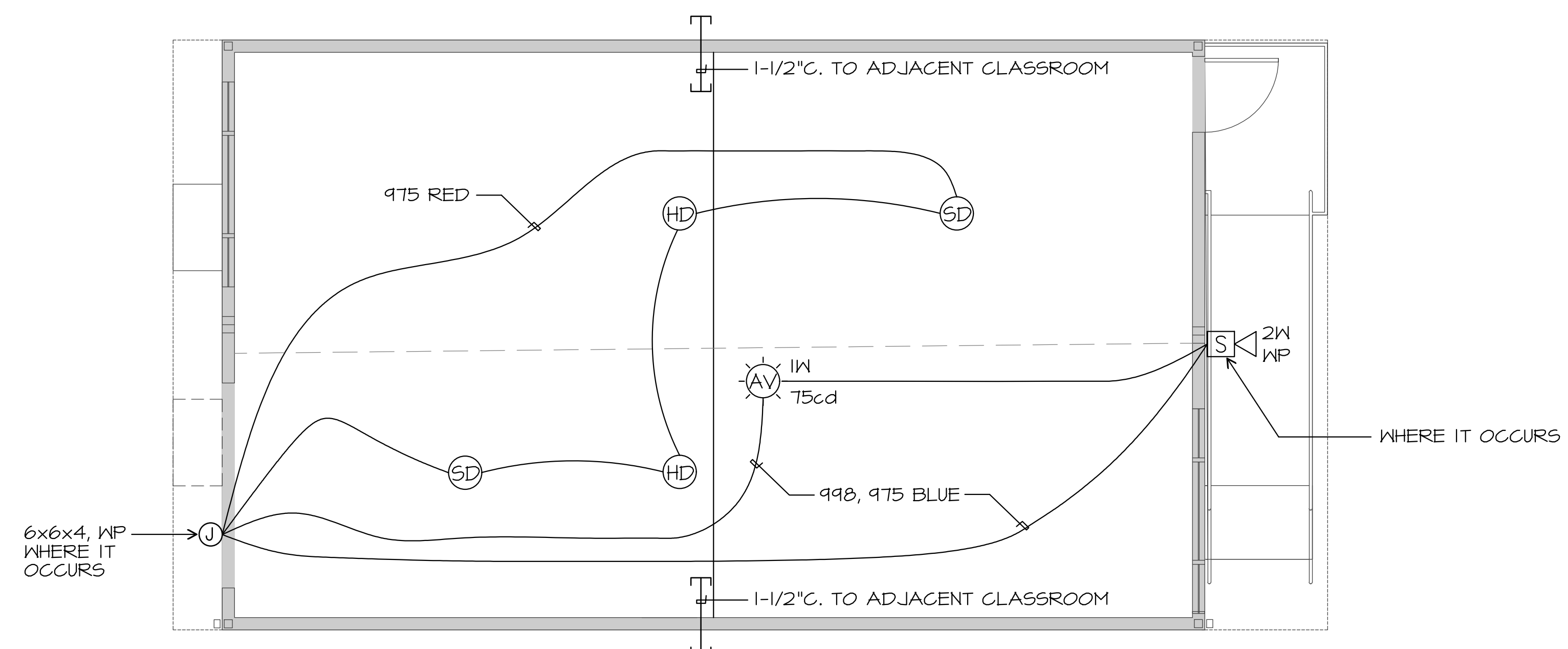
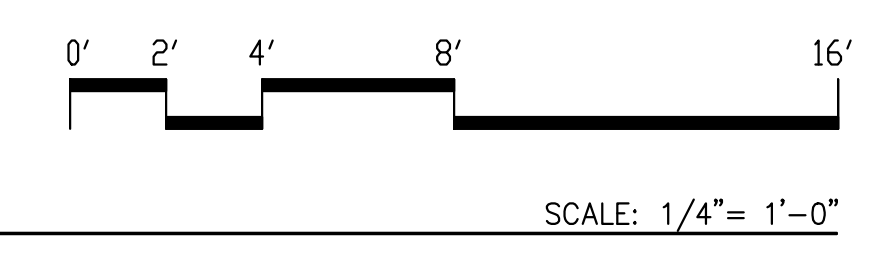
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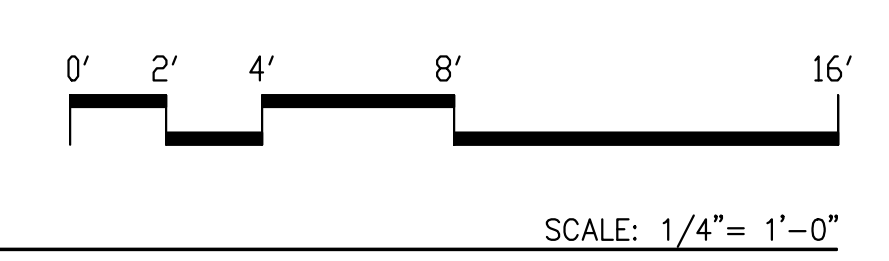
PARTIAL SITE FIRE ALARM PLAN
 SCALE: 1/8"=1'-0"

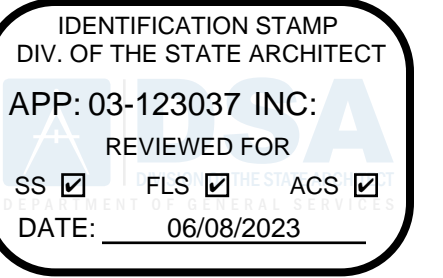


1 TYPICAL RELOCATABLE CLASSROOM DATA/COMM PLAN



1 TYPICAL RELOCATABLE CLASSROOM FIRE ALARM PLAN



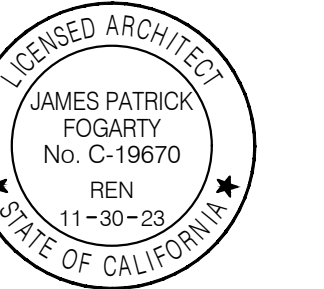


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SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

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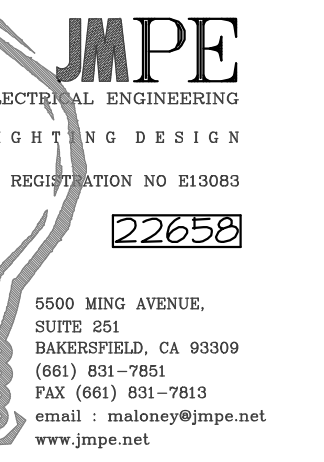
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ELECTRICAL SPECIFICATIONS

E3.00

SECTION 26 00 00 - ELECTRICAL

PART 1 - GENERAL

- 1.1 IDENTIFICATION OF EQUIPMENT
- A. DISTRIBUTION PANELBOARDS: IDENTIFICATION SHALL BE WITH 1" X 4" LAMINATED, WHITE ON BLACK, MICARTA NAMEPLATES ON EACH MAJOR COMPONENT, EACH WITH NAME AND/OR NUMBER OF UNIT AND OTHER PERTINENT DATA AS REQUIRED. EMERGENCY POWER DISTRIBUTION PANELS SHALL BE IDENTIFIED WITH WHITE ON RED MICARTA NAMEPLATES. LETTERS SHALL BE NO LESS THAN 3/8" HIGH.
- B. CIRCUIT BREAKERS SHALL BE IDENTIFIED BY NUMBER AND NAME WITH 3/4" X 1-1/2" LAMINATED MICARTA NAMEPLATES WITH 3/16" HIGH LETTERS MOUNTED ADJACENT TO CIRCUIT BREAKER OR SWITCH.
- C. MISCELLANEOUS EQUIPMENT (ELECTRICAL), SUCH AS INDIVIDUALLY MOUNTED SAFETY SWITCHES, STARTERS, STEP-DOWN TRANSFORMERS, PULL BOXES, JUNCTION BOXES, ETC., SHALL BE IDENTIFIED AS REQUIRED BY THE USE OF SUCH EQUIPMENT WITH P-TOUCH LABELS AS REQUIRED.

1.2 ARC FLASH LABELING

- A. ALL PANELS, CIRCUIT BREAKER ENCLOSURES, SWITCHBOARDS AND MOTOR CONTROL CENTERS SHALL BE LABELED WITH ARC FLASH WARNING STICKERS.

B THESE LABELS SHALL CONTAIN THE FOLLOWING:

- ARC FLASH BOUNDARY
- MINIMUM ARC RATING
- PERSONAL PROTECTIVE EQUIPMENT LEVEL, PPE
- SHOCK HAZARD LEVEL
- FAULT CURRENT

1.3 MOUNTING

- A. PROVIDE MATERIALS AND ACCESSORIES NECESSARY TO PROPERLY MOUNT AND SECURE EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THE ELECTRICAL WORK. THIS INCLUDES BUT IS NOT LIMITED TO SUCH ITEMS AS CONDUIT, OUTLETS, JUNCTION BOXES, SWITCHES, RELAYS, DISCONNECT SWITCHES, LIGHTING FIXTURES, CABINETS, AND TRANSFORMERS.

PART 2 - PRODUCTS AND EXECUTION

2.1 CONDUIT

- A. RIGID STEEL CONDUIT:
- RIGID STEEL CONDUIT SHALL HAVE ZINC COATED EXTERIOR, ZINC OR ENAMEL INTERIOR, STANDARD WEIGHT, ZINC COATED COUPLINGS, LOCKNUTS AND BUSHINGS AND SHALL BEAR THE U.L. LABEL. RIGID CONDUIT SHALL NOT BE INSTALLED UNDERGROUND.
 - USE RIGID CONDUIT ONLY FOR EXPOSED EXTERIOR CONDUIT RUNS, WHEREVER SUBJECT TO PHYSICAL DAMAGE, OR WHERE SPECIFICALLY CALLED FOR ON THE DRAWINGS OR REQUIRED BY A SERVING UTILITY.
 - INTERMEDIATE METALLIC CONDUIT (I.M.C.) MAY BE USED IN LIEU OF RIGID STEEL CONDUIT.
 - USE LIQUID_TIGHT FLEXIBLE CONDUIT IN LIEU OF FLEXIBLE CONDUIT FOR WET, DAMP, OR OUTDOOR AREAS OR WHERE WEATHERPROOF FLEXIBLE CONDUIT IS CALLED FOR ON THE DRAWINGS OR BY CODE.
- B. PLASTIC CONDUIT:
- PLASTIC CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE (PVC) UNDERWRITER'S APPROVAL, SCHEDULE 40. CONNECTIONS AND FITTINGS SHALL BE "OUTSIDE" TYPE ASSEMBLED IN ACCORDANCE WITH THE RECOMMENDED METHODS OF THE MANUFACTURER.
 - UNDERGROUND PVC CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES BELOW GRADE. WHERE MORE THAN TWO CONDUITS ARE INSTALLED ADJACENTLY UNDERGROUND, USE FACTORY MADE CONDUIT SPACERS.
 - PVC CONDUIT SHALL BE USED FOR UNDERGROUND CONDUIT RUNS IN LIEU OF WRAPPED RIGID CONDUIT EXCEPT AS NOTED OTHERWISE ON THE DRAWINGS OR REQUIRED BY THE SERVING UTILITY.
 - PROVIDE A CODE SIZE GROUND CONDUCTOR IN EACH CONDUIT.
 - ONLY BRAIDED POLYETHYLENE OR SIMILAR PULL ROPE SHALL BE USED.

C. INSTALLATION OF CONDUIT:

1. UNDERGROUND CONDUIT.

- KEEP INTERIOR OF CONDUIT CLEAN AND CLEAR. CLEAN UNDERGROUND CONDUITS BY PULLING A MANDREL THROUGH CONDUIT RUN FOLLOWED WITH A SWAB BEFORE PULLING WIRE.
- REROUTE CONDUIT FROM LOCATIONS SHOWN ON THE DRAWINGS WHERE IT IS NECESSARY TO CLEAR OBSTRUCTIONS.
- PROVIDE JUNCTION OR PULL BOXES WHERE REQUIRED FOR PULLING CONDUCTORS DUE TO EXCESSIVE NUMBER OF BENDS OR LENGTH OF CONDUIT RUNS.
- BURY UNDERGROUND CONDUIT, EXCEPT THOSE UNDER BUILDINGS, A MINIMUM OF 24 INCHES BELOW FINISHED GRADE. CONDUITS UNDER ROADWAYS SHALL BE A MINIMUM OF 36 INCHES BELOW FINISHED GRADE. CONDUIT RUNS 3/4 INCH AND SMALLER IN SLABS SHALL BE LOCATED ABOVE VAPOR BARRIERS. BURY CONDUIT RUNS LARGER THAN 3/4 INCH TO A MINIMUM DEPTH OF 12 INCHES BELOW FLOOR SLABS.
- STANDARD FACTORY ELLS SHALL NOT BE USED IN UNDERGROUND SERVICE CONDUITS OR OTHER LONG UNDERGROUND RUNS. FIELD BENDS SHALL NOT BE FLATTENED OR KINKED AND SHALL NOT MATERIALLY REDUCE THE INTERNAL DIAMETER OF THE CONDUIT. BENDS IN LONG UNDERGROUND RUNS SHALL BE MADE IN LONG SWEEPING BENDS. DO NOT BEND AT COUPLINGS. APPROVED CONDUIT BENDING METHODS SHALL BE USED.
- ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.
- PROPERLY SEPARATE TWO OR MORE CONDUITS INSTALLED UNDERGROUND IN A COMMON CONCRETE ENVELOPE WITH APPROVED FACTORY MADE CONDUIT SPACERS.
- LOCATE CONDUIT STUB_OUTS DIMENSIONALLY FROM BUILDING OR CURB LINES ON RECORD DRAWINGS.
- PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB_OUTS. NO. 12 AWG. TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.

2. EXPOSED/CONCEALED CONDUIT:

- PROVIDE SECURE MOUNTING FACILITIES FOR CONDUITS. WIRE OR PLUMBERS TAPE SHALL NOT BE USED FOR HANGING CONDUIT. STRAP SHALL BE FACTORY MADE OF THE ONE HOLE MALLEABLE IRON OR TWO HOLE GALVANIZED CLAMP TYPE.
- PROVIDE EXPANSION COUPLINGS WHEREVER CONDUITS CROSS EXPANSION JOINTS.
- RUN CONDUIT AT RIGHT ANGLES OR PARALLEL TO STRUCTURAL MEMBERS, WALLS, FLOORS AND CEILINGS. WHERE SEVERAL CONDUITS ARE RUN TOGETHER OR SUSPENDED, THEY SHALL BE HUNG ON UNISTRUT TRAPEZES WITH MINIMUM 3/8-INCH ROD HANGERS.
- CUT ENDS OF CONDUIT SQUARE AND REAM TO REMOVE BURRS OR SHARP EDGES. TERMINATE CONDUITS PROPERLY WITH BUSHINGS, LOCKNUTS, ETC. TERMINATE ONE (1) INCH AND LARGER CONDUITS WITH INSULATED BUSHINGS.
- RENDER CONDUITS PROJECTING THROUGH THE ROOFING WATERTIGHT BY PROPER FLASHINGS. SECURELY FASTEN A SHEET METAL CAP AND TIGHTEN BANK OR STORM COLLAR TO THE CONDUITS. EXTEND FLASHING A MINIMUM OF SIX (6) INCHES IN ALL DIRECTIONS. COORDINATE AND INSTALL ROOF FLASHING FOR CONDUITS TO THE SATISFACTION OF THE PROJECT MANAGER.
- ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.
- PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB_OUTS. NO. 12 AWG. TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.
- FLEXIBLE CONDUIT CONNECTIONS SHALL COMPLY WITH NEC SECTION 350-22.

2.2 WIRE AND CABLE

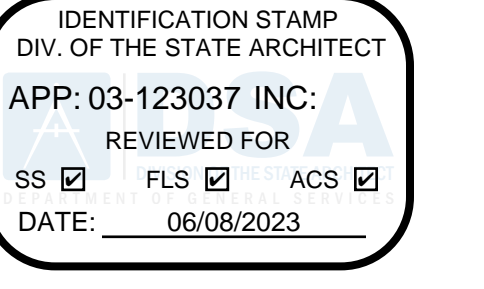
A. 600 VOLT CONDUCTORS:

- CONDUCTORS SHALL BE COPPER AND DELIVERED TO THE SITE IN THEIR ORIGINAL, UNBROKEN PACKAGES PLAINLY MARKED OR TAGGED WITH U.L. LABEL, SIZE, KIND, INSULATION, NAME OF MANUFACTURER AND TRADE NAME OF THE WIRE.
- TYPE "THWN", 600 VOLT INSULATION FOR DAMP OR WET LOCATIONS OR ON BOILERS AND FURNACES AND THEIR CONTROLS.
- TYPE "THHN" 600 VOLT INSULATION SHALL BE USED IN OTHER LOCATIONS UNLESS NOTED.
- MINIMUM SIZE CONDUCTOR SHALL BE #12.
- CONDUCTORS SHALL BE STRANDED.
- GROUND CONDUCTORS SHALL BE BARE COPPER OR HAVE GREEN INSULATION.

B. INSTALLATION:

- CONDUCTORS SHALL BE CONTINUOUS BETWEEN OUTLETS OR JUNCTION BOXES AND NO SPLICES SHALL BE MADE EXCEPT IN OUTLET BOXES, PULL BOXES, PANELBOARD GUTTERS OR HANDHOLES.
- JOINTS, SPLICES AND TAPS NO. 10 OR SMALLER (INCLUDING FIXTURE PIGTAILS) SHALL BE CONNECTED WITH "FLOATING SPRING" TYPE CONNECTORS. NO. 8 AND LARGER SHALL BE CONNECTED WITH SOLDERLESS CONNECTORS OF 100% ELECTROLYTIC COPPER. SPLIT_BOLT CONNECTORS ARE NOT ACCEPTABLE.
- TIGHTEN PRESSURE TYPE LUGS ON PANELS AND EQUIPMENT, AND THEN RETIGHTEN 24 HOURS OR MORE LATER AFTER ENERGIZING. PROVIDE WRITTEN REPORT OF TORQUE VALUES ON LUGS.
- OIL OR GREASE SHALL NOT BE USED WHEN PULLING CONDUCTORS. USE U.L. APPROVED CABLE LUBRICATION ONLY.
- LACE OR TRAIN CONDUCTORS NEATLY IN PANELS, CABINETS AND EQUIPMENT. USE PLASTIC WIRE TIES TO ROUTE CONDUCTORS AT EDGE OF ENCLOSURE AWAY FROM OVERCURRENT DEVICES.
- BRANCH CIRCUITS SHALL BE COLOR CODED IN COMPLIANCE WITH SECTION 210_5 OF THE CALIFORNIA ELECTRICAL CODE. COLORED TAPE IS NOT ACCEPTABLE.
- ALL WIRING, BOTH LINE AND LOW VOLTAGE, SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.

END OF SECTION 26 00 00

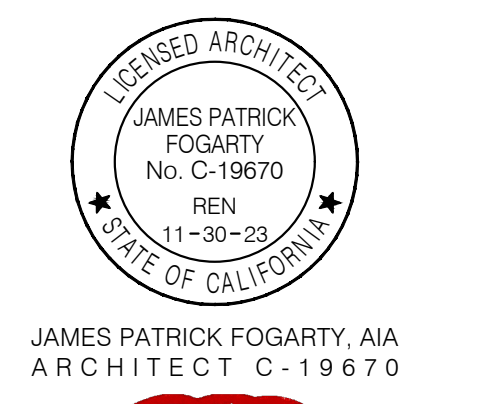


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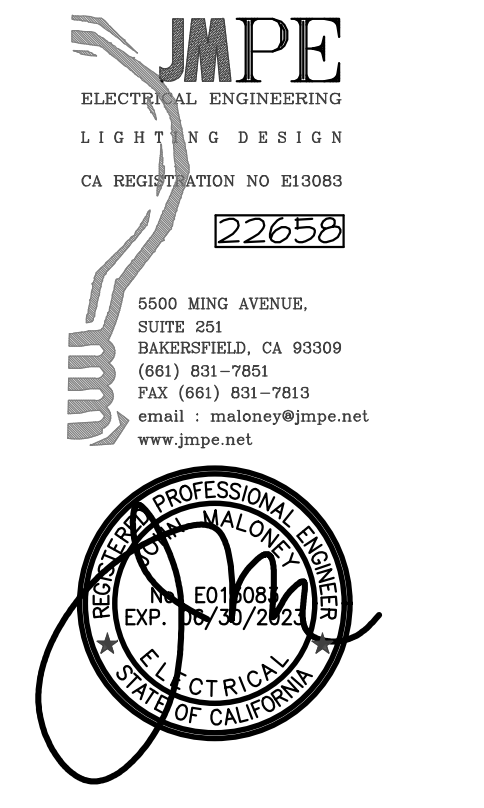
SITE IMPROVEMENTS FOR (7) RELOCATABLE CLASSROOM BUILDINGS

Pioneer
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Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO	
Project No	566-0017
Date	04.19.23
DSA File No	15-6
DSA No	03-123037

REVISIONS

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1	06.08.23	DESCRIPTION

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FIRE ALARM
SPECIFICATIONS

E4.00

SECTION 28 31 11 - FIRE DETECTION AND ALARM SYSTEM

PART 1 - GENERAL

1.1 BASIC SYSTEM FUNCTIONAL OPERATION

- A. WHEN A FIRE ALARM CONDITION IS DETECTED AND REPORTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
 1. THE SYSTEM ALARM LED ON THE SYSTEM DISPLAY SHALL FLASH.
 2. A LOCAL PIEZO ELECTRIC SIGNAL IN THE CONTROL PANEL SHALL SOUND.
 3. A BACKLIT LCD DISPLAY SHALL INDICATE ALL INFORMATION ASSOCIATED WITH THE FIRE ALARM CONDITION, INCLUDING THE TYPE OF ALARM POINT AND ITS LOCATION WITHIN THE PROTECTED PREMISES.
 4. PRINTING AND HISTORY STORAGE EQUIPMENT SHALL LOG THE INFORMATION ASSOCIATED EACH NEW FIRE ALARM CONTROL PANEL CONDITION, ALONG WITH TIME AND DATE OF OCCURRENCE.
 5. ALL SYSTEM OUTPUT PROGRAMS ASSIGNED VIA CONTROL-BY-EVENT INTERLOCK PROGRAMMING TO BE ACTIVATED BY THE PARTICULAR POINT IN ALARM SHALL BE EXECUTED, AND THE ASSOCIATED SYSTEM OUTPUTS (NOTIFICATION APPLIANCES AND/OR RELAYS) SHALL BE ACTIVATED.

PART 2 - PRODUCTS

2.1 EQUIPMENT AND MATERIAL, GENERAL

- A. ALL EQUIPMENT AND COMPONENTS SHALL BE NEW, HOCHIKI CURRENT MODELS, THE MATERIALS, APPLIANCES, EQUIPMENT AND DEVICES SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED APPROVALS AGENCY FOR USE AS PART OF A PROTECTIVE SIGNALING SYSTEM, MEETING THE NATIONAL FIRE ALARM CODE.
- B. ALL EQUIPMENT AND COMPONENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH NOTIFIERS' RECOMMENDATIONS. CONSULT THE MANUFACTURER'S INSTALLATION MANUALS FOR ALL WIRING DIAGRAMS, SCHEMATICS, PHYSICAL EQUIPMENT SIZES, ETC., BEFORE BEGINNING SYSTEM INSTALLATION.
- C. ALL EQUIPMENT SHALL BE ATTACHED TO WALLS AND CEILING/FLOOR ASSEMBLIES AND SHALL BE HELD FIRMLY IN PLACE (E.G., DETECTORS SHALL NOT BE SUPPORTED SOLELY BY SUSPENDED CEILINGS). FASTENERS AND SUPPORTS SHALL BE ADEQUATE TO SUPPORT THE REQUIRED LOAD.
- D. 2.2 MAIN FIRE ALARM CONTROL PANEL
- E. MAIN FACP SHALL BE A HOCHIKI LATTICE AND SHALL CONTAIN A MICROPROCESSOR BASED GENERAL PROCESSING UNIT (CPU) AND POWER SUPPLY IN AN ECONOMICAL SPACE SAVING SINGLE BOARD DESIGN. THE CPU SHALL COMMUNICATE WITH AND CONTROL THE FOLLOWING TYPES OF EQUIPMENT USED TO MAKE UP THE SYSTEM: INTELLIGENT ADDRESSABLE SMOKE AND THERMAL (HEAT) DETECTORS, ADDRESSABLE MODULES, PRINTER, ANNUNCIATORS, AND OTHER SYSTEM CONTROLLED DEVICES.

F. OPERATOR CONTROL:

- 1. ACKNOWLEDGE SWITCH:
 - a. ACTIVATION OF THE CONTROL PANEL ACKNOWLEDGE SWITCH IN RESPONSE TO NEW ALARMS AND/OR TROUBLES SHALL SILENCE THE LOCAL PANEL PIEZO ELECTRIC SIGNAL AND CHANGE THE ALARM AND TROUBLE LEDS FROM FLASHING MODE TO STEADY-ON MODE. IF MULTIPLE ALARM OR TROUBLE CONDITIONS EXIST, DEPRESSION OF THIS SWITCH SHALL ADVANCE THE LCD DISPLAY TO THE NEXT ALARM OR TROUBLE CONDITION.
 - b. DEPRESSION OF THE ACKNOWLEDGE SWITCH SHALL ALSO SILENCE ALL REMOTE ANNUNCIATOR PIEZO SOUNDERS.
- 2. ALARM SILENCE SWITCH: ACTIVATION OF THE ALARM SILENCE SWITCH SHALL CAUSE ALL PROGRAMMED ALARM NOTIFICATION APPLIANCES AND RELAYS TO RETURN TO THE NORMAL CONDITION AFTER AN ALARM CONDITION, THE SELECTION OF NOTIFICATION CIRCUITS AND RELAYS THAT ARE SILENCEABLE BY THIS SWITCH SHALL BE FULLY FIELD PROGRAMMABLE WITHIN THE CONFINES OF ALL APPLICABLE STANDARDS. THE FACP SOFTWARE SHALL INCLUDE SILENCE INHIBIT AND AUTO-SILENCE TIMERS.
- 3. ALARM ACTIVATE (DRILL) SWITCH: THE ALARM ACTIVATE SWITCH SHALL ACTIVATE ALL NOTIFICATION APPLIANCE CIRCUITS. THE DRILL FUNCTION SHALL LATCH UNTIL THE PANEL IS SILENCED OR RESET.
- 4. SYSTEM RESET SWITCH: ACTIVATION OF THE SYSTEM RESET SWITCH SHALL CAUSE ALL ELECTRONICALLY LATCHED INITIATING DEVICES, APPLIANCES OR SOFTWARE ZONES, AS WELL AS ALL ASSOCIATED OUTPUT DEVICES AND CIRCUITS, TO RETURN TO THEIR NORMAL CONDITION.
- 5. LAMP TEST: THE LAMP TEST SWITCH SHALL ACTIVATE ALL LOCAL SYSTEM LEDS, LIGHT EACH SEGMENT OF THE LIQUID CRYSTAL DISPLAY AND DISPLAY THE PANEL SOFTWARE REVISION FOR SERVICE PERSONAL.

C. SYSTEM CAPACITY AND GENERAL OPERATION

- 1. THE CONTROL PANEL OR EACH NETWORK NODE SHALL PROVIDE, OR BE CAPABLE OF EXPANSION TO 636 INTELLIGENT/ADDRESSABLE DEVICES.
- 2. THE CONTROL PANEL OR EACH NETWORK NODE SHALL INCLUDE FORM-C ALARM, TROUBLE, SUPERVISORY, AND SECURITY RELAYS RATED AT A MINIMUM OF 2.0 AMPS @ 30 VDC.
- 3. IT SHALL ALSO INCLUDE FOUR CLASS B (NFPA STYLE Y) OR CLASS A (NFPA STYLE Z) PROGRAMMABLE NOTIFICATION APPLIANCE CIRCUITS.
- 4. THE NOTIFICATION APPLIANCE CIRCUITS SHALL BE PROGRAMMABLE TO SYNCHRONIZE WITH SYSTEM SENSOR, GENTEX AND WHEELCOCK NOTIFICATION APPLIANCES.
- 5. THE SYSTEM SHALL INCLUDE A FULL FEATURED OPERATOR INTERFACE CONTROL AND ANNUNCIATION PANEL THAT SHALL INCLUDE A BACKLIT LIQUID CRYSTAL DISPLAY (LCD), INDIVIDUAL COLOR CODED SYSTEM STATUS LEDS, AND AN ALPHANUMERIC KEYPAD WITH EASY TOUCH RUBBER KEYS FOR THE FIELD PROGRAMMING AND CONTROL OF THE FIRE ALARM SYSTEM.
- 6. THE SYSTEM SHALL BE PROGRAMMABLE, CONFIGURABLE, AND EXPANDABLE IN THE FIELD WITHOUT THE NEED FOR SPECIAL TOOLS, PROM PROGRAMMERS OR PC BASED PROGRAMMERS. IT SHALL NOT REQUIRE REPLACEMENT OF MEMORY IC'S TO FACILITATE PROGRAMMING CHANGES.
- 7. THE SYSTEM SHALL ALLOW THE PROGRAMMING OF ANY INPUT TO ACTIVATE ANY OUTPUT OR GROUP OF OUTPUTS, SYSTEMS THAT HAVE LIMITED PROGRAMMING (SUCH AS GENERAL ALARM), HAVE COMPLICATED PROGRAMMING (SUCH AS A DIODE MATRIX), OR REQUIRE A LAPTOP PERSONAL COMPUTER ARE NOT CONSIDERED SUITABLE SUBSTITUTES.

THE FACP SHALL SUPPORT UP TO 20 LOGIC EQUATIONS, INCLUDING "AND," "OR," AND "NOT"; OR TIME DELAY EQUATIONS TO BE USED FOR ADVANCED PROGRAMMING. LOGIC EQUATIONS SHALL REQUIRE THE USE OF A PC WITH A SOFTWARE UTILITY DESIGNED FOR PROGRAMMING.

- 8. THE FACP OR EACH NETWORK NODE SHALL PROVIDE THE FOLLOWING FEATURES:
 - a. DRIFT COMPENSATION TO EXTEND DETECTOR ACCURACY OVER LIFE. DRIFT COMPENSATION SHALL ALSO INCLUDE A SMOOTHING FEATURE, ALLOWING TRANSIENT NOISE SIGNALS TO BE FILTERED OUT.
 - b. DETECTOR SENSITIVITY TEST, MEETING REQUIREMENTS OF NFPA 1-2018, CHAPTER 7.
 - c. MAINTENANCE ALERT, WITH TWO LEVELS (MAINTENANCE ALERT/MAINTENANCE URGENT), TO WARN OF EXCESSIVE SMOKE DETECTOR DIRT OR DUST ACCUMULATION.
 - d. NINE SENSITIVITY LEVELS FOR ALARM, SELECTED BY DETECTOR. THE ALARM LEVEL RANGE SHALL BE .5 TO 2.35 PERCENT PER FOOT FOR PHOTOELECTRIC DETECTORS AND 0.5 TO 2.5 PERCENT PER FOOT FOR IONIZATION DETECTORS. THE SYSTEM SHALL ALSO SUPPORT SENSITIVE ADVANCED DETECTION LASER DETECTORS WITH AN ALARM LEVEL RANGE OF .03 PERCENT PER FOOT TO 1.0 PERCENT PER FOOT. THE SYSTEM SHALL ALSO INCLUDE UP TO NINE LEVELS OF PREALARM, SELECTED BY DETECTOR, TO INDICATE IMPENDING ALARMS TO MAINTENANCE PERSONNEL.
 - e. THE ABILITY TO DISPLAY OR PRINT SYSTEM REPORTS.
 - f. ALARM VERIFICATION, WITH COUNTERS AND A TROUBLE INDICATION TO ALERT MAINTENANCE PERSONNEL WHEN A DETECTOR ENTERS VERIFICATION 20 TIMES.
 - g. PAS PRESIGNAL, MEETING NFPA 1-2018 REQUIREMENTS.
 - h. RAPID MANUAL STATION REPORTING (UNDER 3 SECONDS) AND SHALL MEET NFPA 72 CHAPTER 1 REQUIREMENTS FOR ACTIVATION OF NOTIFICATION CIRCUITS WITHIN 10 SECONDS OF INITIATING DEVICE ACTIVATION.
 - i. PERIODIC DETECTOR TEST, CONDUCTED AUTOMATICALLY BY THE SOFTWARE.
 - j. SELF OPTIMIZING PRE-ALARM FOR ADVANCED FIRE WARNING, WHICH ALLOWS EACH DETECTOR TO LEARN ITS PARTICULAR ENVIRONMENT AND SET ITS PREALARM LEVEL TO JUST ABOVE NORMAL PEAKS.
 - k. CROSS ZONING WITH THE CAPABILITY OF COUNTING: TWO DETECTORS IN ALARM, TWO SOFTWARE ZONES IN ALARM, OR ONE SMOKE DETECTOR AND ONE THERMAL DETECTOR.
 - l. WALK TEST, WITH A CHECK FOR TWO DETECTORS SET TO SAME ADDRESS.
 - m. CONTROL-BY-TIME FOR NON-FIRE OPERATIONS, WITH HOLIDAY SCHEDULES.
 - n. DAY/NIGHT AUTOMATIC ADJUSTMENT OF DETECTOR SENSITIVITY.
 - o. DEVICE BLINK CONTROL FOR SLEEPING AREAS.

F. SIGNALING LINE CIRCUITS (SLC):

- 1. EACH FACP OR FACP NETWORK NODE SHALL SUPPORT UP TO TWO SLCs. EACH SLC INTERFACE SHALL PROVIDE POWER TO AND COMMUNICATE WITH UP TO 159 INTELLIGENT DETECTORS (IONIZATION, PHOTOELECTRIC OR THERMAL) AND 159 INTELLIGENT MODULES (MONITOR OR CONTROL) FOR A LOOP CAPACITY OF 318 DEVICES. THE ADDITION OF THE OPTIONAL SECOND LOOP SHALL DOUBLE THE DEVICE CAPACITY, SUPPORTING A TOTAL OF 636 DEVICES. EACH SLC SHALL BE CAPABLE OF NFPA 1-2018 STYLE 4, STYLE 6, OR STYLE 7 (CLASS A OR B) WIRING.
- 2. CPU SHALL RECEIVE ANALOG INFORMATION FROM ALL INTELLIGENT DETECTORS TO BE PROCESSED TO DETERMINE WHETHER NORMAL, ALARM, PREALARM, OR TROUBLE CONDITIONS EXIST FOR EACH DETECTOR. THE SOFTWARE SHALL AUTOMATICALLY MAINTAIN THE DETECTOR'S DESIRED SENSITIVITY LEVEL BY ADJUSTING FOR THE EFFECTS OF ENVIRONMENTAL FACTORS, INCLUDING THE ACCUMULATION OF DUST IN EACH DETECTOR. THE ANALOG INFORMATION SHALL ALSO BE USED FOR AUTOMATIC DETECTOR TESTING AND FOR THE AUTOMATIC DETERMINATION OF DETECTOR MAINTENANCE REQUIREMENTS.

I. POWER SUPPLY:

- 1. A HIGH TECH OFF-LINE SWITCHING POWER SUPPLY SHALL BE AVAILABLE FOR THE FIRE ALARM CONTROL PANEL OR NETWORK NODE AND PROVIDE 6.0 AMPS OF AVAILABLE POWER FOR THE CONTROL PANEL AND PERIPHERAL DEVICES.
- 2. PROVISIONS WILL BE MADE TO ALLOW THE AUDIO-VISUAL POWER TO BE INCREASED AS REQUIRED BY ADDING MODULAR EXPANSION AUDIO-VISUAL POWER SUPPLIES.
- 3. POSITIVE-TEMPERATURE-COEFFICIENT (PTC) THERMISTORS, CIRCUIT BREAKERS, OR OTHER OVER-CURRENT PROTECTION SHALL BE PROVIDED ON ALL POWER OUTPUTS. THE POWER SUPPLY SHALL PROVIDE AN INTEGRAL BATTERY CHARGER FOR USE WITH BATTERIES UP TO 55 AH OR MAY BE USED WITH AN EXTERNAL BATTERY AND CHARGER SYSTEM. BATTERY ARRANGEMENT MAY BE CONFIGURED IN THE FIELD.
- 4. THE POWER SUPPLY SHALL CONTINUOUSLY MONITOR ALL FIELD WIRES FOR EARTH GROUND CONDITIONS, AND SHALL HAVE THE FOLLOWING LED INDICATORS:
 - GROUND FAULT LED
 - AC POWER FAULT LED
 - NAC ON LED (4)
- 5. THE MAIN POWER SUPPLY SHALL OPERATE ON 120 VAC, 60 HZ, AND SHALL PROVIDE ALL NECESSARY POWER FOR THE FACP.
- 6. THE MAIN POWER SUPPLY SHALL PROVIDE A BATTERY CHARGER USING DUAL-RATE CHARGING TECHNIQUES FOR FAST BATTERY RECHARGE AND BE CAPABLE OF CHARGING BATTERIES UP TO 200 AH.
- 7. ALL CIRCUITS SHALL BE POWER-LIMITED, PER UL664 REQUIREMENTS.

2.3 SYSTEM COMPONENTS

- A. STROBE LIGHTS SHALL MEET THE REQUIREMENTS OF THE ADA, UL STANDARD 1971, BE FULLY SYNCHRONIZED, AND SHALL MEET THE FOLLOWING CRITERIA:
 1. THE MAXIMUM PULSE DURATION SHALL BE 2/10 OF ONE SECOND
 2. STROBE INTENSITY SHALL MEET THE REQUIREMENTS OF UL 1971.
 3. THE FLASH RATE SHALL MEET THE REQUIREMENTS OF UL 1971.

2.4 SYSTEM COMPONENTS - ADDRESSABLE DEVICES

A. ADDRESSABLE DEVICES - GENERAL:

- 1. ADDRESSABLE DEVICES SHALL USE SIMPLE TO INSTALL AND MAINTAIN DECADE, DECIMAL ADDRESS SWITCHES. DEVICES SHALL BE CAPABLE OF BEING SET TO AN ADDRESS IN A RANGE OF 001 TO 159.
- 2. ADDRESSABLE DEVICES, WHICH USE A BINARY-CODED ADDRESS SETTING METHOD, SUCH AS A DIP-SWITCH, ARE NOT AN ALLOWABLE SUBSTITUTE.
- 3. DETECTORS SHALL BE INTELLIGENT (ANALOG) AND ADDRESSABLE, AND SHALL CONNECT WITH TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUITS.
- 4. ADDRESSABLE SMOKE AND THERMAL DETECTORS SHALL PROVIDE DUAL ALARM AND POWER/POLLING LEDS. BOTH LEDS SHALL FLASH GREEN UNDER NORMAL CONDITIONS, INDICATING THAT THE DETECTOR IS OPERATIONAL AND IN REGULAR COMMUNICATION WITH THE CONTROL PANEL, AND BOTH LEDS SHALL BE PLACED INTO STEADY RED ILLUMINATION BY THE CONTROL PANEL, INDICATING THAT AN ALARM CONDITION HAS BEEN DETECTED. IF REQUIRED, THE LED FLASH SHALL HAVE THE ABILITY TO BE REMOVED FROM THE SYSTEM PROGRAM, AN OUTPUT CONNECTION SHALL ALSO BE PROVIDED IN THE BASE TO CONNECT AN EXTERNAL REMOTE ALARM LED.
- 5. THE FIRE ALARM CONTROL PANEL SHALL PERMIT DETECTOR SENSITIVITY ADJUSTMENT THROUGH FIELD PROGRAMMING OF THE SYSTEM. THE PANEL ON A TIME-OF-DAY BASIS SHALL AUTOMATICALLY ADJUST SENSITIVITY.
- 6. USING SOFTWARE IN THE FACP, DETECTORS SHALL AUTOMATICALLY COMPENSATE FOR DUST ACCUMULATION AND OTHER SLOW ENVIRONMENTAL CHANGES THAT MAY AFFECT THEIR PERFORMANCE. THE DETECTORS SHALL BE LISTED BY UL AS MEETING THE CALIBRATED SENSITIVITY TEST REQUIREMENTS OF NFPA 1-2018, CHAPTER 7.
- 7. THE DETECTORS SHALL BE CEILING-MOUNT AND SHALL INCLUDE A SEPARATE TWIST-LOCK BASE WITH TAMPER PROOF FEATURE. BASES SHALL INCLUDE A SOUNDER BASE WITH A BUILT-IN (LOCAL) SOUNDER RATED AT 85 DBA MINIMUM, A RELAY BASE AND AN ISOLATOR BASE DESIGNED FOR STYLE 7 APPLICATIONS.
- 8. THE DETECTORS SHALL PROVIDE A TEST MEANS WHEREBY THEY WILL SIMULATE AN ALARM CONDITION AND REPORT THAT CONDITION TO THE CONTROL PANEL. SUCH A TEST MAY BE INITIATED AT THE DETECTOR ITSELF (BY ACTIVATING A MAGNETIC SWITCH) OR INITIATED REMOTELY ON COMMAND FROM THE CONTROL PANEL.
- 9. DETECTORS SHALL ALSO STORE AN INTERNAL IDENTIFYING TYPE CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE (ION, PHOTO, THERMAL).
- 10. DETECTORS WILL OPERATE IN AN ANALOG FASHION, WHERE THE DETECTOR SIMPLY MEASURES ITS DESIGNED ENVIRONMENT VARIABLE AND TRANSMITS AN ANALOG VALUE TO THE FACP BASED ON REAL-TIME MEASURED VALUES. THE FACP SOFTWARE, NOT THE DETECTOR, SHALL MAKE THE ALARMINORMAL DECISION, THEREBY ALLOWING THE SENSITIVITY OF EACH DETECTOR TO BE SET IN THE FACP PROGRAM AND ALLOWING THE SYSTEM OPERATOR TO VIEW THE CURRENT ANALOG VALUE OF EACH DETECTOR.
- 11. ADDRESSABLE DEVICES SHALL STORE AN INTERNAL IDENTIFYING CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE.
- 12. A MAGNETIC TEST SWITCH SHALL BE PROVIDED TO TEST DETECTORS AND MODULES. DETECTORS SHALL REPORT AN INDICATION OF AN ANALOG VALUE REACHING 100% OF THE ALARM THRESHOLD.
- 13. ADDRESSABLE MODULES SHALL MOUNT IN A 4-INCH SQUARE (101.6 MM SQUARE), 2-1/8 INCH (54 MM) DEEP ELECTRICAL BOX. AN OPTIONAL SURFACE MOUNT LEXAN ENCLOSURE SHALL BE AVAILABLE.

B. ADDRESSABLE MANUAL FIRE ALARM BOX (MANUAL STATION):

- 1. ADDRESSABLE MANUAL FIRE ALARM BOXES SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE STATE OF THE MANUAL SWITCH AND THE ADDRESSABLE COMMUNICATION MODULE STATUS. THEY SHALL USE A KEY OPERATED TEST-RESET LOCK, AND SHALL BE DESIGNED SO THAT AFTER ACTUAL EMERGENCY OPERATION, THEY CANNOT BE RESTORED TO NORMAL USE EXCEPT BY THE USE OF A KEY.
- 2. ALL OPERATED STATIONS SHALL HAVE A POSITIVE, VISUAL INDICATION OF OPERATION AND UTILIZE A KEY TYPE RESET.
- 3. MANUAL FIRE ALARM BOXES SHALL BE CONSTRUCTED OF LEXAN WITH CLEARLY VISIBLE OPERATING INSTRUCTIONS PROVIDED ON THE COVER. THE WORD FIRE SHALL APPEAR ON THE FRONT OF THE STATIONS IN RAISED LETTERS, 1.75 INCHES (44 MM) OR LARGER.

C. INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR: THE DETECTORS SHALL USE THE PHOTOELECTRIC (LIGHT-SCATTERING) PRINCIPAL TO MEASURE SMOKE DENSITY AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF SMOKE DENSITY.

D. INTELLIGENT LASER PHOTO SMOKE DETECTOR:

- 1. THE INTELLIGENT LASER PHOTO SMOKE DETECTOR SHALL BE A SPOT TYPE DETECTOR THAT INCORPORATES AN EXTREMELY BRIGHT LASER DIODE AND AN INTEGRAL LENS THAT FOCUSES THE LIGHT BEAM TO A VERY SMALL VOLUME NEAR A RECEIVING PHOTO SENSOR. THE SCATTERING OF SMOKE PARTICLES SHALL ACTIVATE THE PHOTO SENSOR.
- 2. THE LASER DETECTOR SHALL HAVE CONDUCTIVE PLASTIC SO THAT DUST ACCUMULATION IS REDUCED SIGNIFICANTLY.
- 3. THE INTELLIGENT LASER PHOTO DETECTOR SHALL HAVE NINE SENSITIVITY LEVELS AND BE SENSITIVE TO A MINIMUM OBSCURATION OF 0.03 PERCENT PER FOOT.
- 4. THE LASER DETECTOR SHALL NOT REQUIRE EXPENSIVE CONDUIT, SPECIAL FITTINGS OR PVC PIPE.
- 5. THE INTELLIGENT LASER PHOTO DETECTOR SHALL SUPPORT STANDARD, RELAY, ISOLATOR AND SOUNDER DETECTOR BASES.
- 6. THE LASER PHOTO DETECTOR SHALL NOT REQUIRE OTHER CLEANING REQUIREMENTS THAN THOSE LISTED IN NFPA 72. REPLACEMENT, REFRUBISHMENT OR SPECIALIZED CLEANING OF THE DETECTOR HEAD SHALL NOT BE REQUIRED.
- 7. THE LASER PHOTO DETECTOR SHALL INCLUDE TWO BICOLOR LEDS THAT FLASH GREEN IN NORMAL OPERATION AND TURN ON STEADY RED IN ALARM.

E. INTELLIGENT IONIZATION SMOKE DETECTOR: THE DETECTORS SHALL USE THE DUAL-CHAMBER IONIZATION PRINCIPAL TO MEASURE PRODUCTS OF COMBUSTION AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF PRODUCTS OF COMBUSTION.

F. INTELLIGENT THERMAL DETECTORS: THERMAL DETECTORS SHALL BE INTELLIGENT ADDRESSABLE DEVICES RATED AT 135 DEGREES FAHRENHEIT (58 DEGREES CELSIUS) AND HAVE A RATE-OF-RISE ELEMENT RATED AT 15 DEGREES F (9.4 DEGREES C) PER MINUTE. IT SHALL CONNECT VIA TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUIT.

2.5 BATTERIES

- A. THE BATTERY SHALL HAVE SUFFICIENT CAPACITY TO POWER THE FIRE ALARM SYSTEM FOR NOT LESS THAN TWENTY-FOUR HOURS PLUS 5 MINUTES OF ALARM UPON A NORMAL AC POWER FAILURE.
- B. THE BATTERIES ARE TO BE COMPLETELY MAINTENANCE FREE. NO LIQUIDS ARE REQUIRED. FLUID LEVEL CHECKS FOR REFILLING, SPILLS, AND LEAKAGE SHALL NOT BE REQUIRED.
- C. IF NECESSARY TO MEET STANDBY REQUIREMENTS, EXTERNAL BATTERY AND CHARGER SYSTEMS MAY BE USED.

2.6 SPEAKERS

GENERAL:

WHEELCOCK ADVANCE OUTDOOR SPEAKERS AND SPEAKER STROBES SHALL MOUNT TO A WEATHERPROOF BACK BOX. A UNIVERSAL MOUNTING PLATE SHALL BE USED FOR MOUNTING CEILING AND WALL PRODUCTS. THE NOTIFICATION APPLIANCE CIRCUIT AND AMPLIFIER WIRING SHALL TERMINATE AT THE UNIVERSAL MOUNTING PLATE. ALSO, SPECTRALERT ADVANCE SPEAKER STROBES, WHEN USED WITH THE SYNCCIRCUIT™ MODULE ACCESSORY, SHALL BE POWERED FROM A NON-CODED NOTIFICATION APPLIANCE CIRCUIT OUTPUT AND SHALL OPERATE ON A NOMINAL 12 OR 24 VOLTS. WHEN USED WITH THE SYNCCIRCUIT™ MODULE, 12-VOLT-RATED NOTIFICATION APPLIANCE CIRCUIT OUTPUTS SHALL OPERATE BETWEEN 8.5 AND 17.5 VOLTS; 24-VOLT-RATED NOTIFICATION APPLIANCE CIRCUIT OUTPUTS SHALL OPERATE BETWEEN 16.5 AND 33 VOLTS. OUTDOOR SPECTRALERT ADVANCE PRODUCTS SHALL OPERATE BETWEEN -40°F AND 151°F FROM A REGULATED DC, OR FULL-WAVE RECTIFIED, UNFILTERED POWER SUPPLY.

SPEAKER:

SPEAKER SHALL BE A WHEELCOCK ET-1010 DUAL-VOLTAGE TRANSFORMER SPEAKER CAPABLE OF OPERATING AT 25.0 OR 70.7 NOMINAL VRMS. SPEAKER SHALL BE LISTED TO UNDERWRITERS LABORATORIES STANDARD S408 FOR OUTDOOR FIRE PROTECTIVE SIGNALING SYSTEMS. SPEAKER SHALL HAVE A FREQUENCY RANGE OF 400 TO 4,000 HZ AND SHALL HAVE AN OPERATING TEMPERATURE FROM -40°F AND 150.8°F. SPEAKER SHALL HAVE POWER TAPS AND WATTAGE SETTINGS THAT ARE SELECTED BY ROTARY SWITCHES. THE SPEAKER MUST BE INSTALLED WITH ITS WEATHERPROOF BACK BOX IN ORDER TO REMAIN OUTDOOR APPROVED PER UL LISTING 54048. THE SPEAKER SHALL BE SUITABLE FOR USE IN AIR HANDLING SPACES AND WET ENVIRONMENTS.

SPEAKER STROBE COMBINATION:

THE SPEAKER STROBE SHALL BE A HOCHIKI HSS LISTED TO UL 1638 AND UL 1480 AND BE APPROVED FOR FIRE PROTECTIVE SIGNALING SYSTEMS. SPEAKER SHALL BE CAPABLE OF OPERATING AT 25.0 OR 70.0 NOMINAL VRMS AND SHALL HAVE A FREQUENCY RANGE OF 400 TO 4,000 HZ. SPEAKER SHALL HAVE POWER TAPS THAT ARE SELECTED BY ROTARY SWITCH. THE STROBE SHALL CONSIST OF A XENON FLASH TUBE WITH ASSOCIATED LENS/REFLECTOR SYSTEM AND OPERATE ON EITHER 12 OR 24 VOLTS. THE STROBE SHALL ALSO FEATURE SELECTABLE CANDELA OUTPUT, PROVIDING OPTIONS FOR 15 OR 15/75 CANDELA WHEN OPERATING ON 12 VOLTS AND 15, 15/75, 30, 75, 110, 115, 135, 150, 177 OR 185 CANDELA WHEN OPERATING ON 24 VOLTS. THE STROBE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT REQUIREMENT FOR VISIBLE SIGNALING APPLIANCES, FLASHING AT 1 HZ OVER THE STROBE'S ENTIRE OPERATING VOLTAGE RANGE. THE SPEAKER STROBE MUST BE INSTALLED WITH ITS WEATHERPROOF BACK BOX IN ORDER TO REMAIN OUTDOOR APPROVED PER UL. THE SPEAKER STROBE SHALL BE SUITABLE FOR USE IN WET ENVIRONMENTS.

END OF SECTION 28 31 11

MODTECH DESIGN MT-2440

PC 04-101419

RELOCATABLE CLASSROOM BUILDINGS

BUILDING SIZE: 24'x40'

FOR
WILLIAMS SCOTSMAN

STOCKPILE

MODTECH JOB #4223 (X 7 BLDGS)

MODTECH JOB #4225 (X 20 BLDGS)

MODTECH JOB #4237 (X 50 BLDGS)

(X 23 T.B.D.)

CBC 1997 PC

BUILDING DATA

STRUCTURAL DESIGN: RIGID FRAME
TYPE OF CONSTRUCTION: V-II
WIND LOAD (EXP C): 80 MPH
FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2

BUILDING AREA:
24'x40' BUILDING - 960 SF

APPLICABLE CODES

TITLE 24, CCR, PART 2, 1988 CBC (87 USC W/98 CA AMENDMENTS)
1997 UBC & 1988 CA AMENDMENTS (88 CBC - PART 2, TITLE 24, CCR)
1988 UBC & 1988 CA AMENDMENTS (88 CBC - PART 3, TITLE 24, CCR)
1997 UBC & 1988 CA AMENDMENTS (88 CBC - PART 4, TITLE 24, CCR)
1997 UBC & 1988 CA AMENDMENTS (88 CBC - PART 5, TITLE 24, CCR)
1997 UBC & 1988 CA AMENDMENTS (88 CBC - PART 6, TITLE 24, CCR)
1988 CA BUILDING STANDARDS CODE
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

LEGEND

SYMBOL	DESCRIPTION
	DETAIL (1) ON SAME SHEET AS SYMBOL
	DETAIL (1) ON SHEET (2)
	KEY NOTE (1) ON SAME SHEET AS SYMBOL
	SECTION "A" ON SHEET (2)
	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
	HIGHLIGHTS CHANGED AREA
	DOOR REFERENCE
	WINDOW REFERENCE
	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
	FINISH ITEM(S) SEE FINISH SCHEDULE
	RAMP - SEE RAMP DRAWINGS

ABBREVIATIONS

AGC = ABOVE GRADE CONCRETE
BOC = BELOW GRADE CONCRETE
DIA = DIAMETER
CLR = CLEAR
GA = GAUGE
SIM = SIMILAR
MAX = MAXIMUM
MIN = MINIMUM
INC = NOT IN CONTRACT
NTS = NOT TO SCALE
OC = ON CENTER
OD = OUTSIDE DIAMETER
OSB = ORIENTED STRAND BOARD
ROH = ROOF OVERHANG
SIM = SIMILAR
STS = SELF TAPPING SCREW
STMS = SELF TAPPING SHEET METAL SCREW
TYP = TYPICAL
UN = UNLESS OTHERWISE NOTED

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER COMPLETING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THEREOF.

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A2.0 ROOF PLAN (DUAL PITCH) 24'x40' w/ FASCIA
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A4.0 INTERIOR ELEVATIONS 24'x40'
A5.0 FINISH SCHEDULE, FINISH, FINISHMAN '4' FINISH
A6.0 ARCHITECTURAL DETAILS (WOOD) (WOOD) (WOOD)
A6.1 ARCHITECTURAL DETAILS (WOOD) (WOOD) (WOOD)
A6.2 ARCHITECTURAL DETAILS (WOOD) (WOOD) (WOOD)
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F2.02 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.03 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.04 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.05 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.06 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.07 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.08 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.09 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.10 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.11 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.12 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.13 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
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F2.23 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
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F2.26 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.27 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.28 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.29 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)
F2.30 FOUNDATION DETAILS (WOOD) (WOOD) (WOOD)

MECHANICAL

M1.0 MECHANICAL (HVAC) PLAN 24'x40' - 3 1/2 TONS
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ELECTRICAL

E1.0 ELECTRICAL PLAN 24'x40'

RAMP

R1.0 RAMP/LANDING PLAN W/ 11' RAMP
R1.02 RAMP/STAIR DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 104310
AC: [Signature] S.S. [Signature]
DATE: SEP 18 2002

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AC: [Signature] S.S. [Signature]
DATE: [Signature]~~

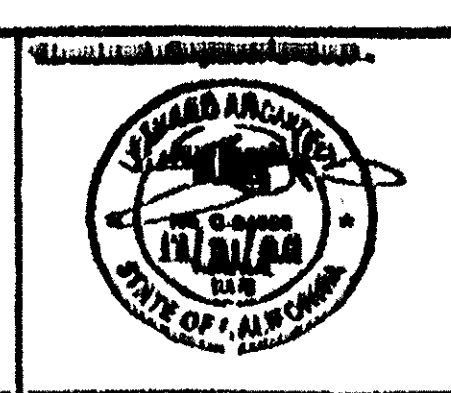
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04 104082
AC: [Signature] S.S. [Signature]
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REVISIONS
DT. ADD FLD. SHEETS F2.01, F2.02, F2.03, F2.04, F2.05, F2.06, F2.07, F2.08, F2.09, F2.10, F2.11, F2.12, F2.13, F2.14, F2.15, F2.16, F2.17, F2.18, F2.19, F2.20, F2.21, F2.22, F2.23, F2.24, F2.25, F2.26, F2.27, F2.28, F2.29, F2.30

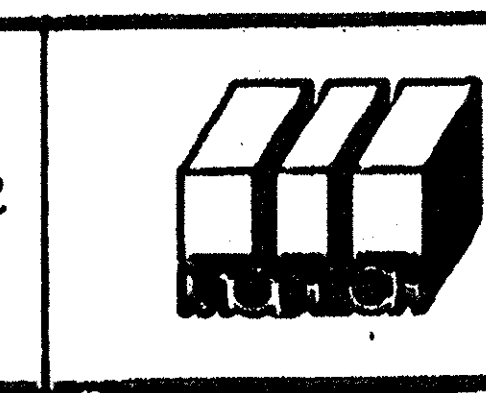
Professional Engineer's Seal

Professional Engineer's Seal



Architect's Seal

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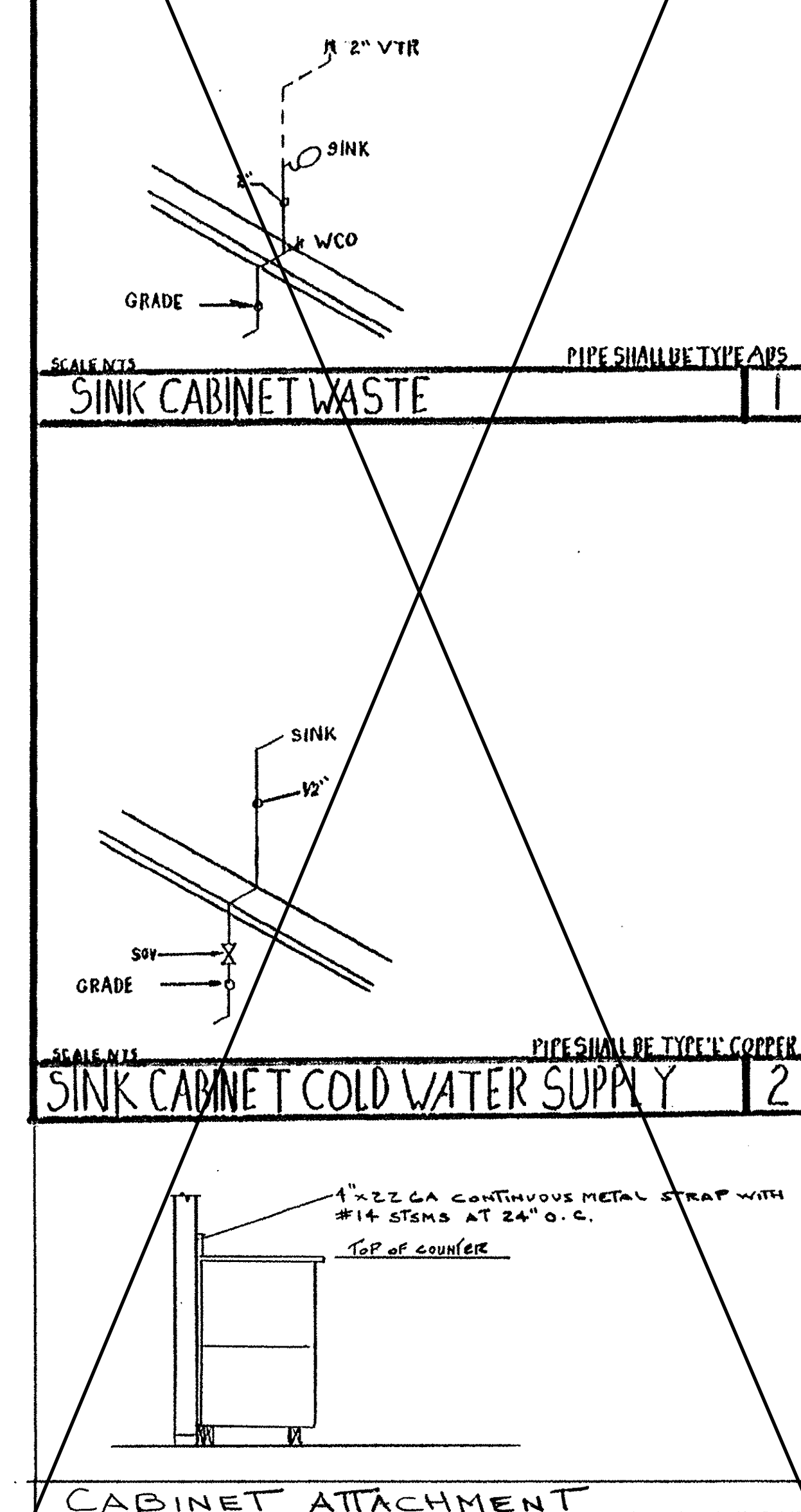
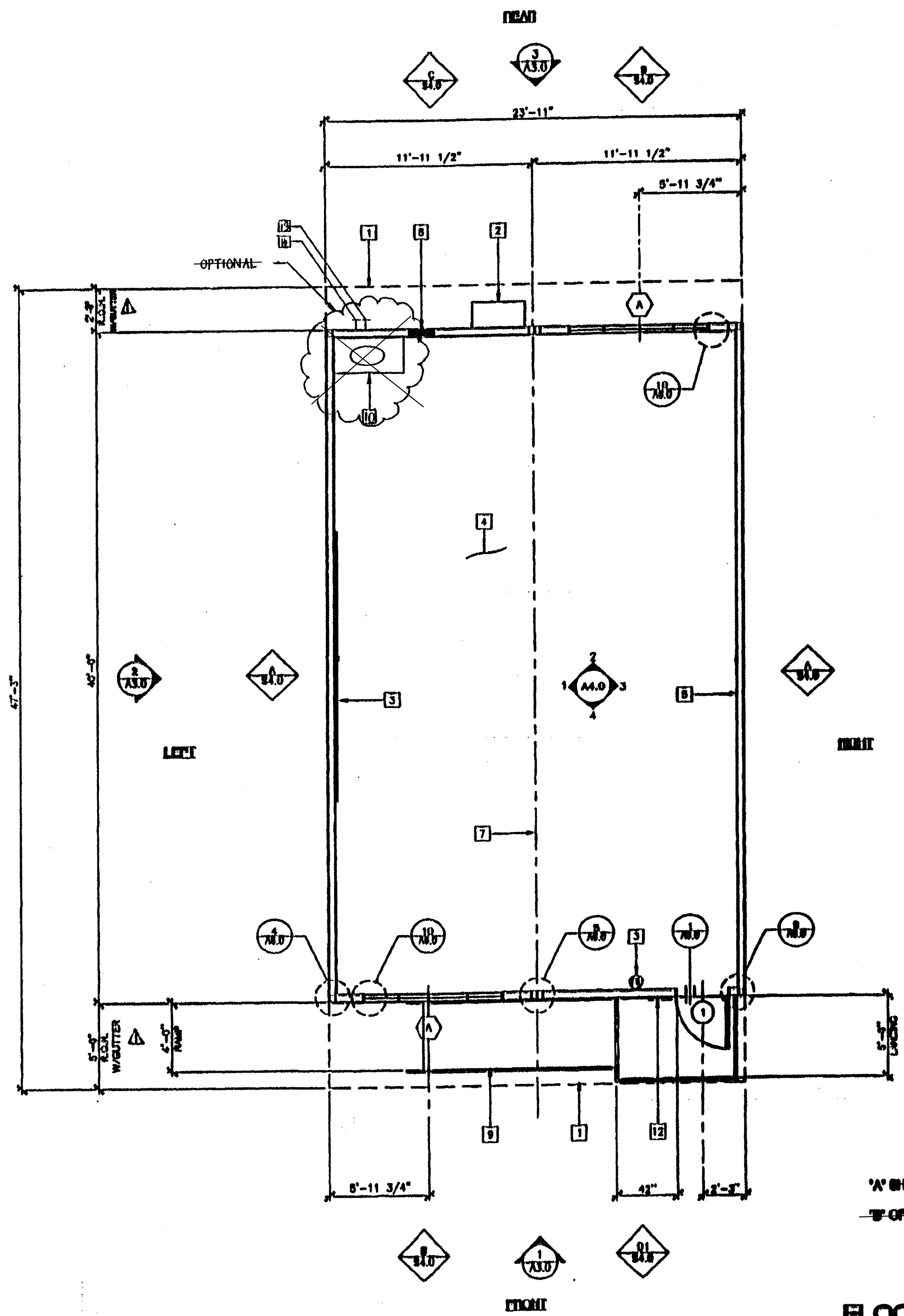
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:
WILLIAMS SCOTSMAN

COVER SHEET

DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:
MODTECH WORK NO.
A0.01

PROJECT NUMBER:



KEY NOTES

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DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC.
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SS FLS ACS
DATE: 06/08/2023

- 1 ROOF OVERHANG
- 2 HVAC UNIT (HV)
- 3 2 - 8"x4' MARKER BOARDS (SEE SPEC'S FOR TYPE)
- 4 FINISH FLOORING (FH)
- 5 INTERIOR FINISH (FI)
- 6 FIRE EXTINGUISHER - 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING WALL MOUNTED BRACKET, HANDLE AT 48" AFF
- 7 MODULINE (M)
- 8 ELECTRICAL PANEL
- 9 RAMP/LANDING (RM)
- 10 SINK CABINET OPTIONAL: (LOCATION MAY VARY)
LAV: KOHLER #K-2867
FAUCET CHICAGO 333-669
BUBBLER - JSB-10
- 11 NOT USED
- 12 SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY, SEE A5.0.
- 13 GOLD WATER SUPPLY
- 14 WASTE AND VENT P.O.C.

- NOTES**
- METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER.
 - METAL TAG MIN. 3 1/2" X 1 1/2" METAL I.D. W/
1. DESIGN WIND LOAD
2. DESIGN ROOF LOAD
 - PROVIDE MIN. 3 1/2" X 1 1/2" METAL TAG INSTALLED INSIDE THE ELECTRICAL PANEL SHOWING OPSC NUMBER AND DSA NUMBER.

FLOOR PLAN 24x40
SCALE: 1/4" = 1'-0"

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REVISIONS	Modified Engineer's Seal	Mechanical Engineer's Seal	Architect's Seal
1. CLARIFY OVERLAPPING			

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10449
DATE 06/08/2023

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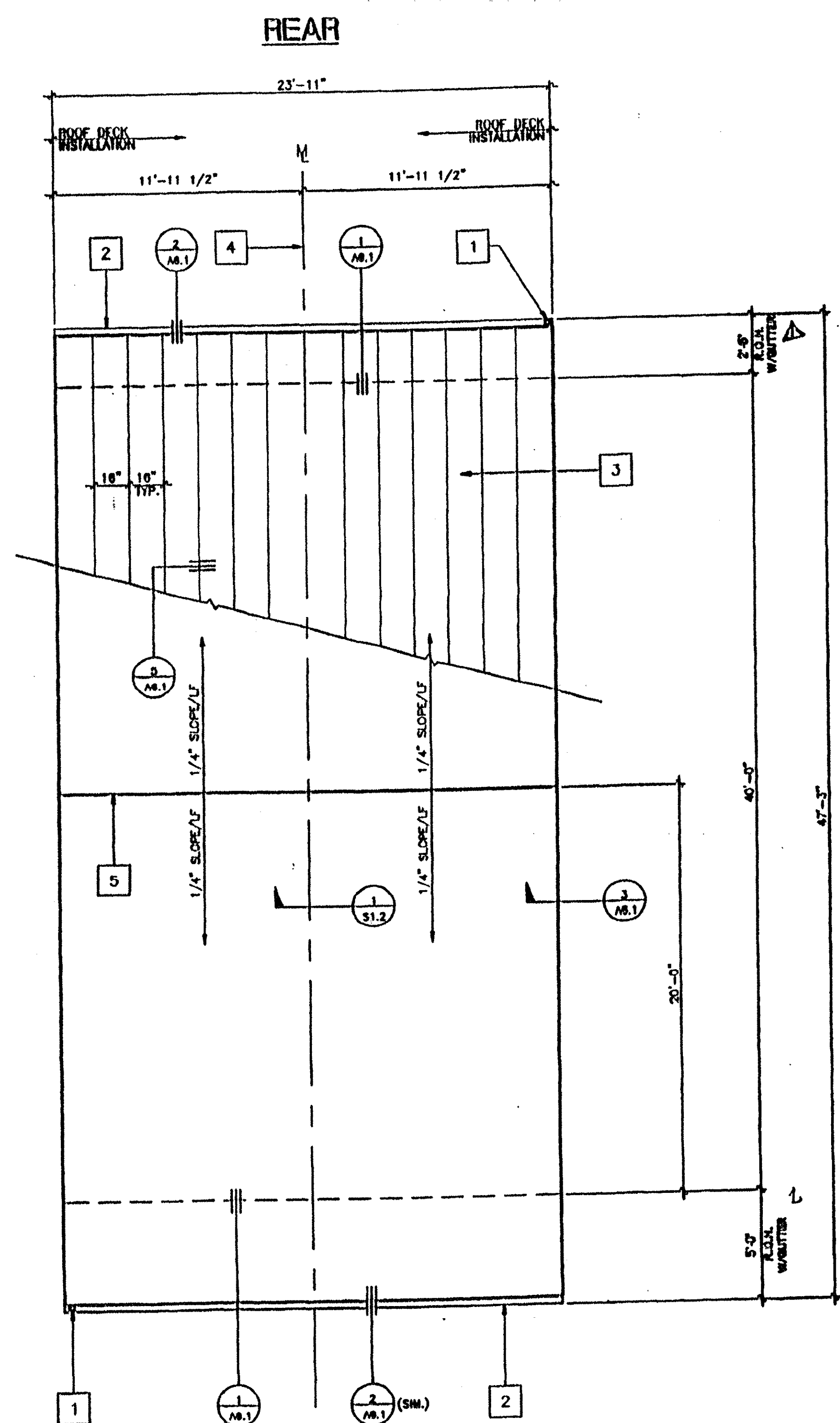
PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

FLOOR PLAN

DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

A1.0

PROJECT NUMBER: 4087



ROOF PLAN (DUAL SLOPE) (24'X40')

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

KEY NOTES

- 1 DOWNSPOUT (TYPICAL 3" X 2" X 26GA)
- 2 CONTINUOUS GUTTER 26GA.
- 3 22GA. MIN. INTERLOCKING ROOF PANELS (TYP)
- 4 MODLINE
- 5 RIDGELINE

NOTES

- 1. BUILDING HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A. C.B.C. CLASS A

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 DATE JUN 7 2002~~

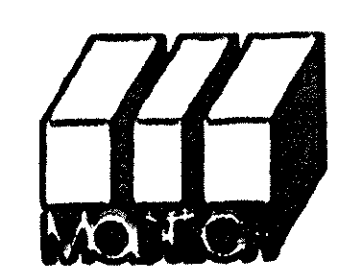
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ROOF PLAN

A2.0

REVISIONS

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1	CLARIFY OVERLAPPING	SS

Electrical Engineer's Seal	Mechanical Engineer's Seal	Professional Engineer's Seal	Architect's Seal
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KEY NOTES

- 1 TYPICAL EXTERIOR SIDING (SEE A5.0)
- 2 EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
- 3 TOP OF SKIRTING
- 4 RAMP AND LANDING SEE SHT. R-1
- 5 HVAC UNIT. SEE (IR)
- 6 DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 8/A6.1)
- 7 CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A2.0
- 8 SPLASH BLOCK (BY OTHERS)
- 9 FINISH FLOOR LINE
- 10 BOTTOM FLANGE OF FLOOR BEAM
- 11 ROOF HEADER
- 12 VENT. SEE FOUNDATION PLAN
- 13 FINISH GRADE
- 14 ROOF BEAM SEE (SR)
- 15 COLUMN SEE (SR)
- 16 ELECTRICAL STUB-OUT SEE (EL)
- 17 GROUND STUB-OUT SEE (EL)
- 18 J BOX FOR EXT. FA HORN SEE (EL)
- 19 NEMA 6" X 6" GUTTER BOX SEE (EL)
- 20 RIDGE
- 21 NOT USED
- 22 IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" THEN PROTECTION MUST BE PROVIDED.

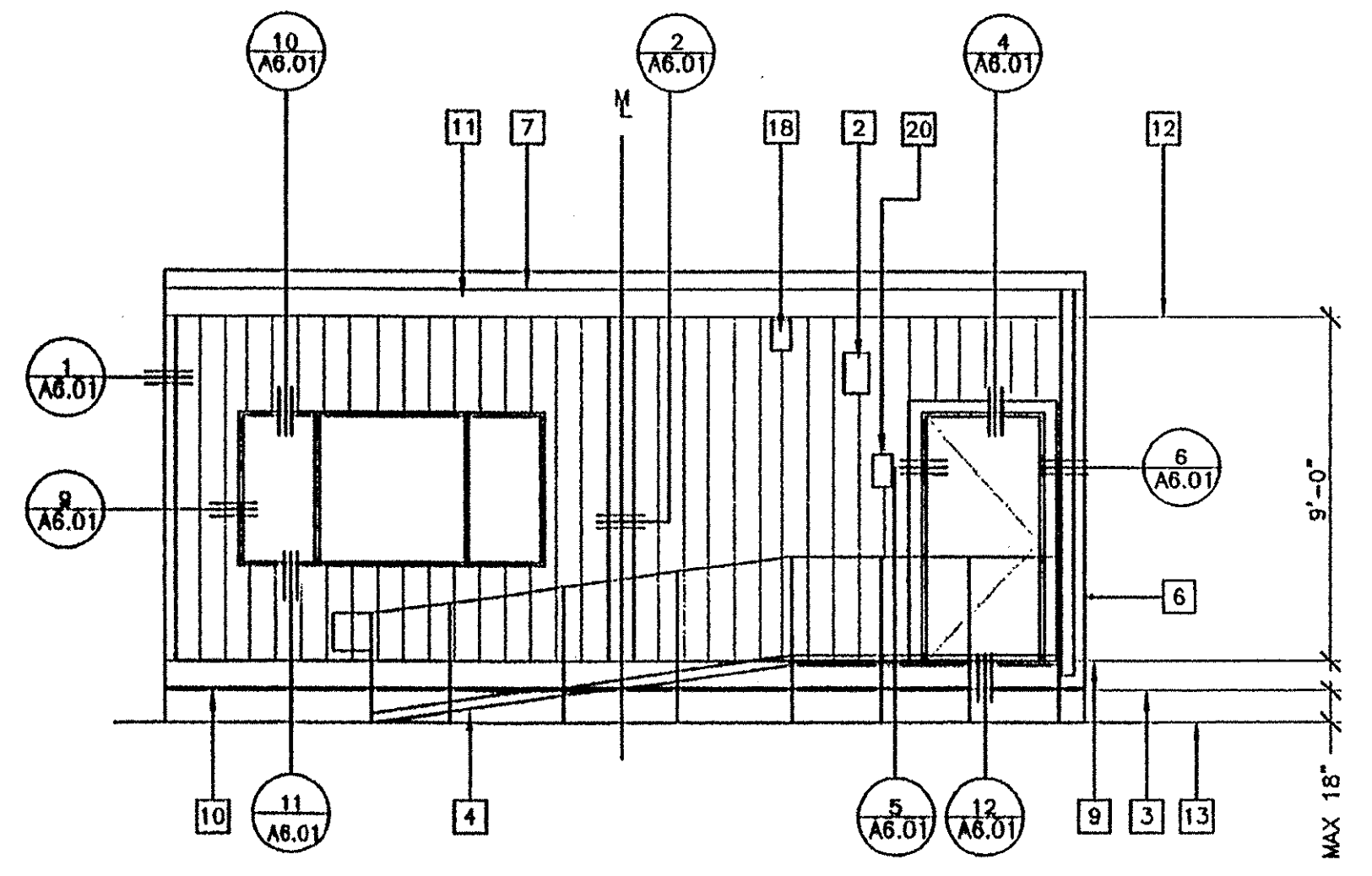
NOTES

- 1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

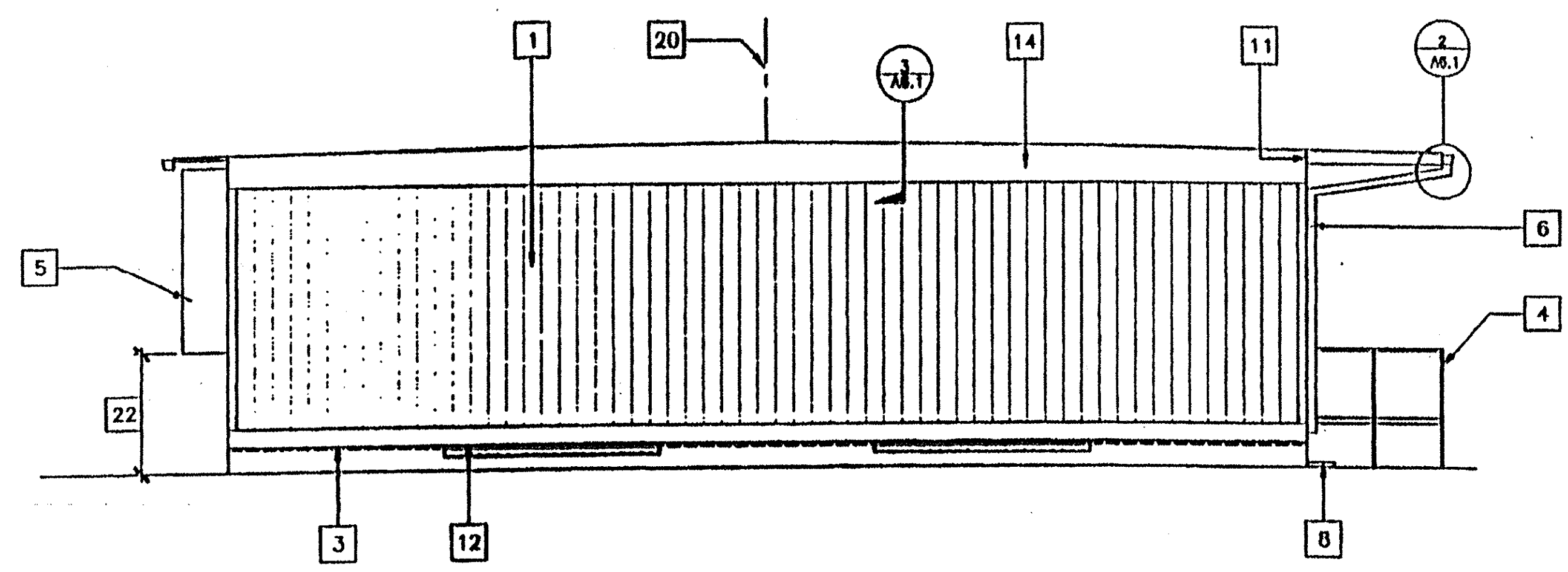
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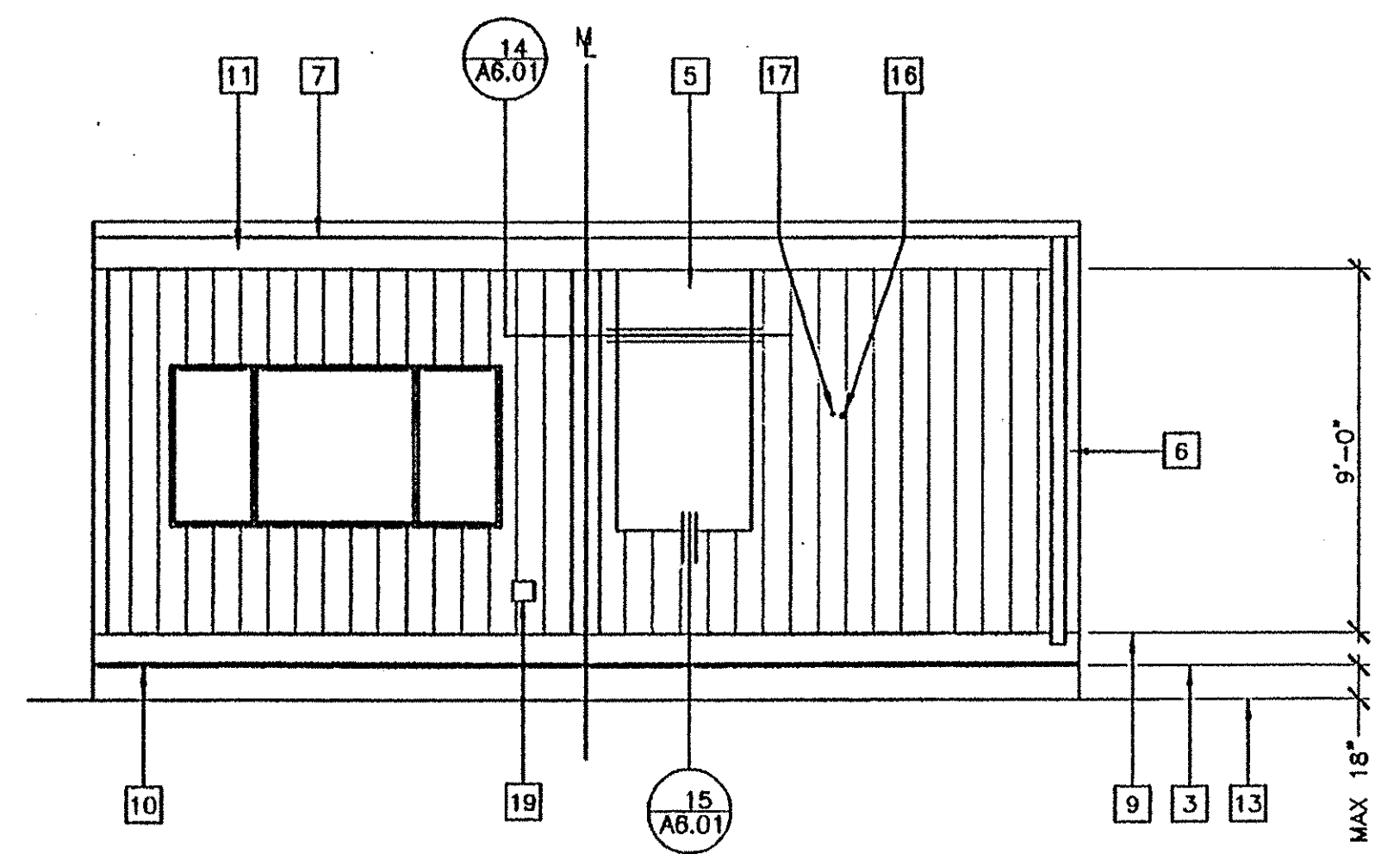
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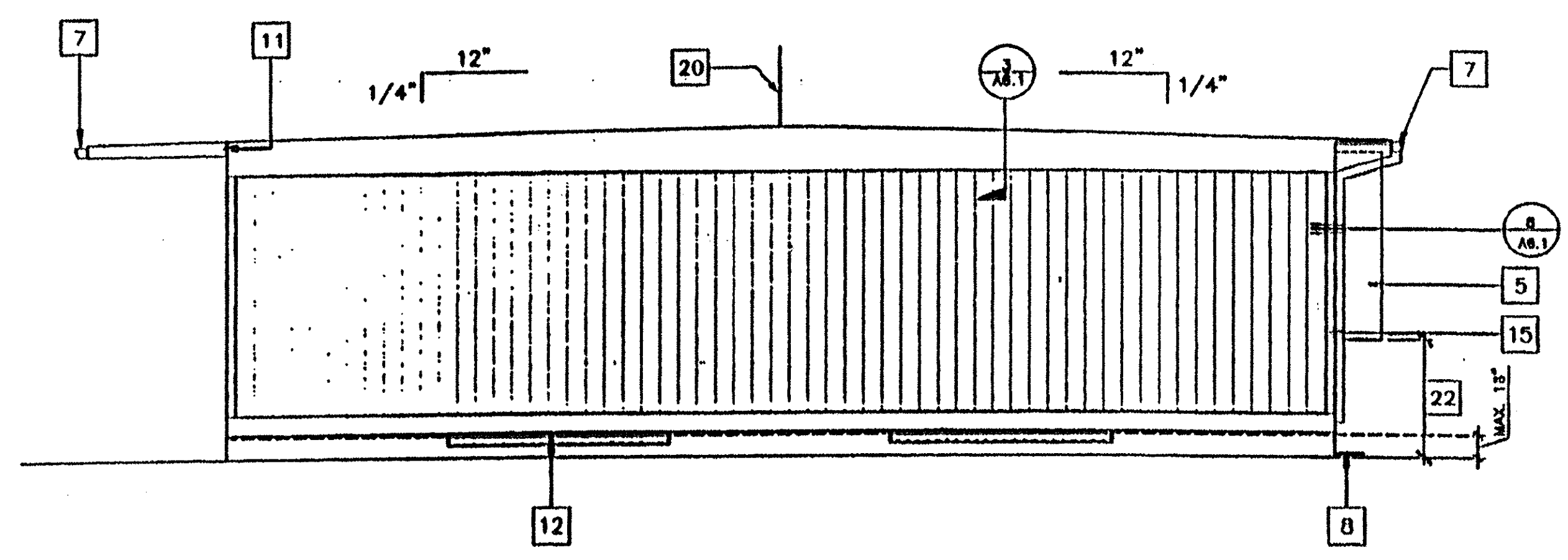
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 1/4" = 1'-0"



2 LEFT ELEVATION
 1/4" = 1'-0"



3 REAR ELEVATION
 1/4" = 1'-0"



4 RIGHT ELEVATION
 1/4" = 1'-0"

"A" = SHOWN
 "B" = OPPOSITE

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REVISIONS

▲		
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Electrical Engineer's Seal
 Mechanical Engineer's Seal

Architect's Seal

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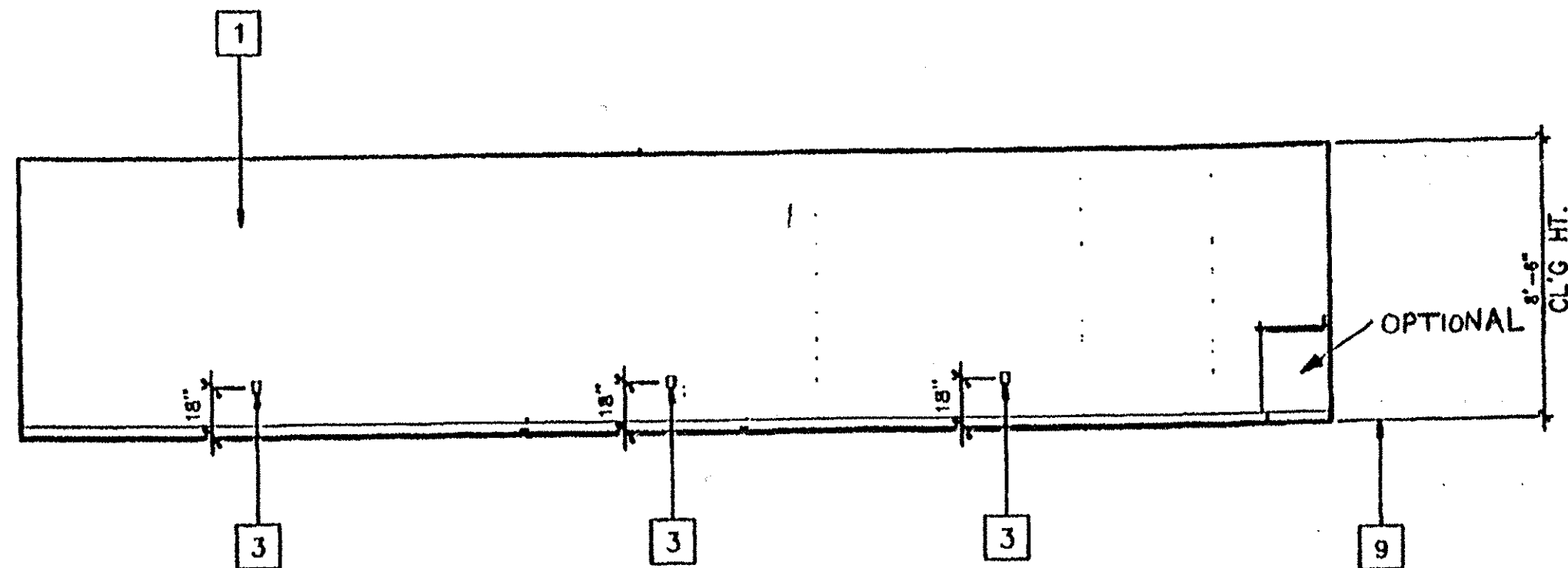
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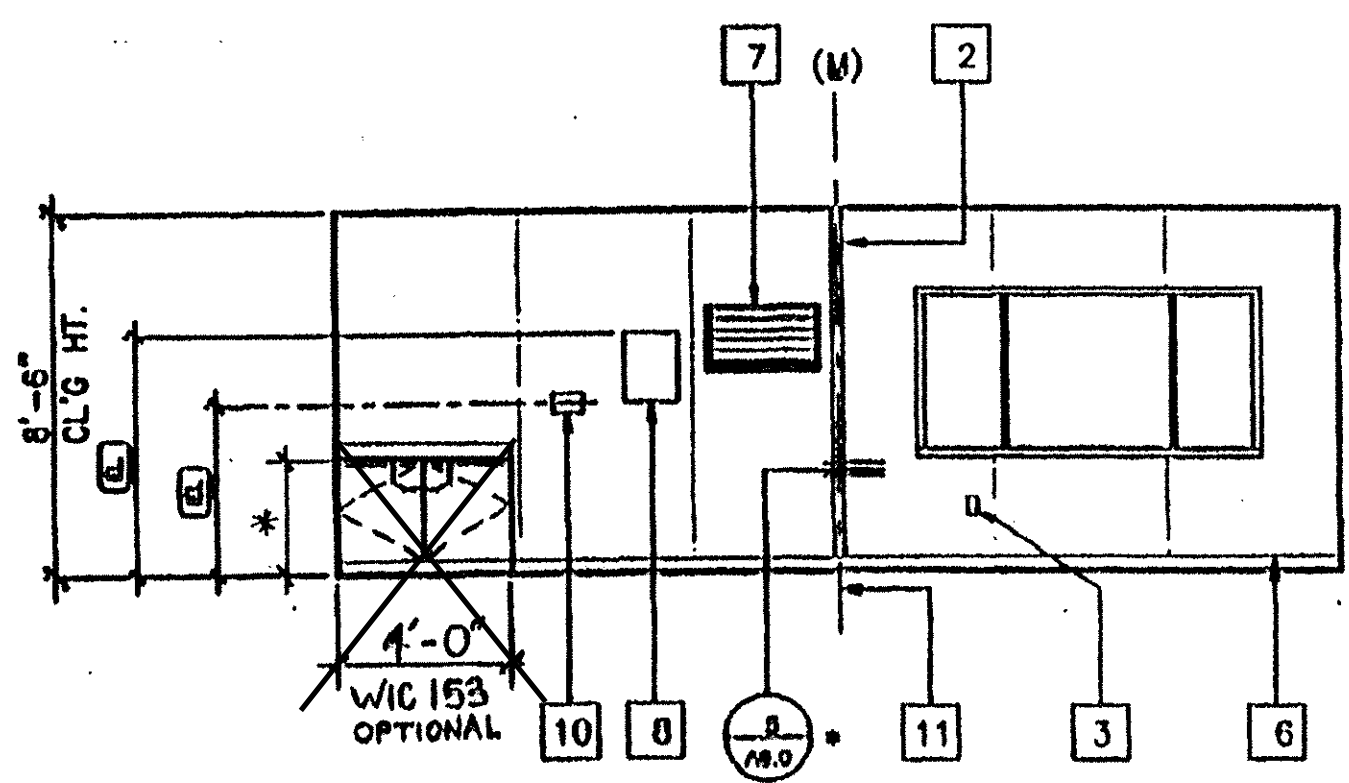
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EXTERIOR ELEVATIONS

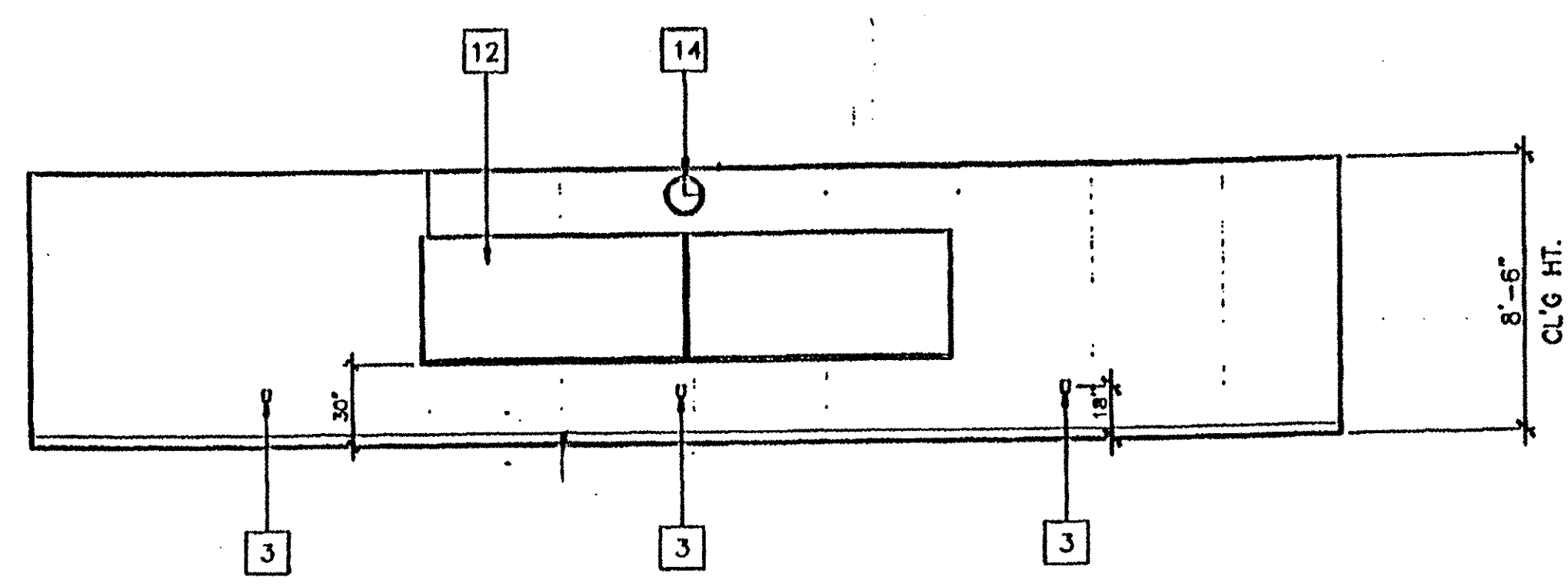
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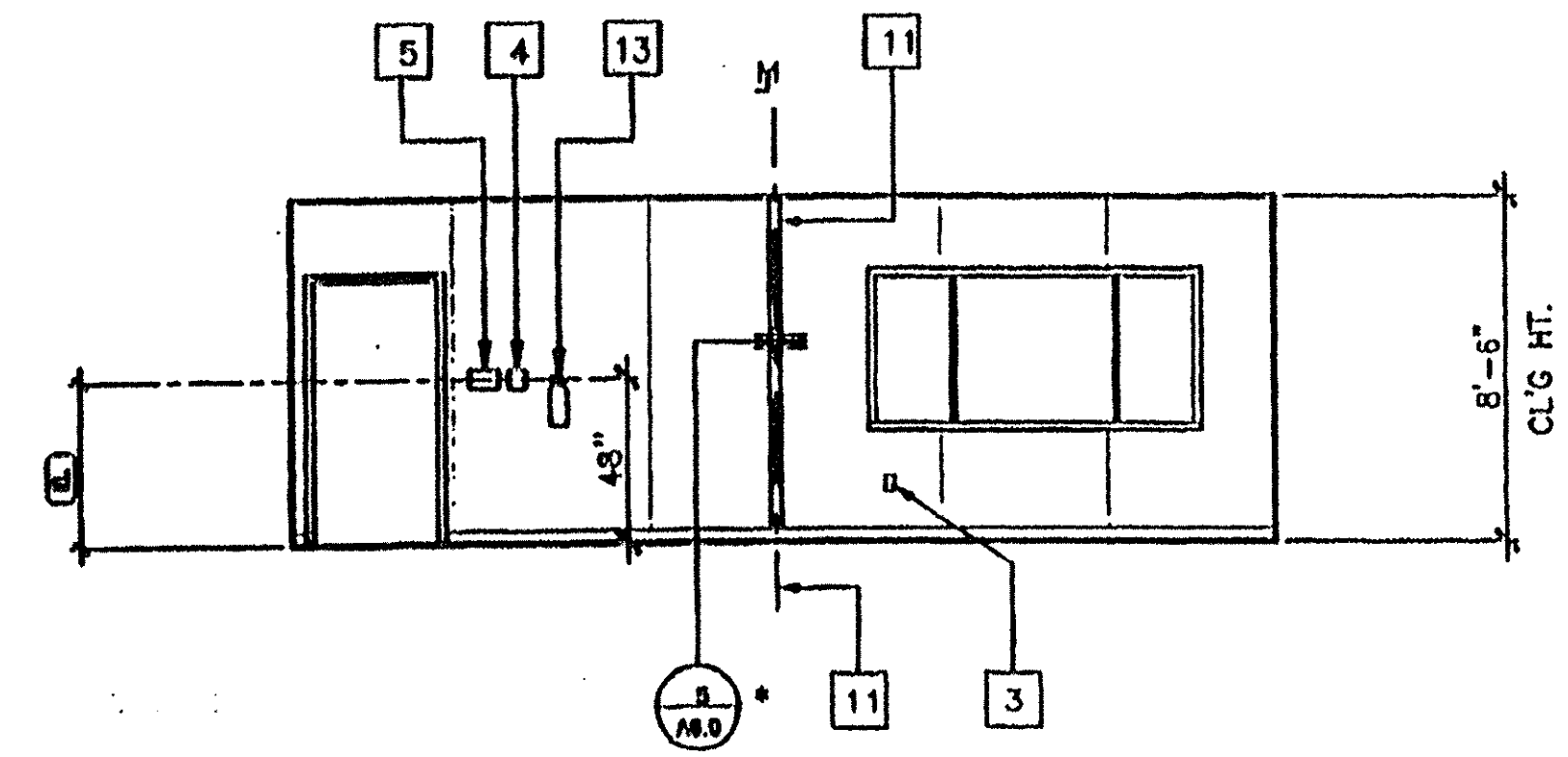
① LEFT ELEVATION



② REAR ELEVATION



③ RIGHT ELEVATION



④ FRONT ELEVATION

'A' = SHOWN
 'B' = OPPOSITE

INTERIOR ELEVATIONS

24' X 40'

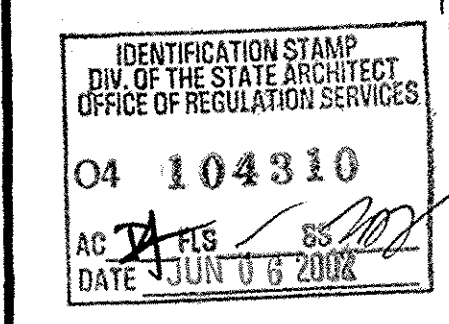
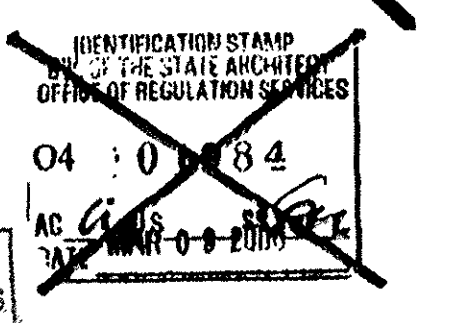
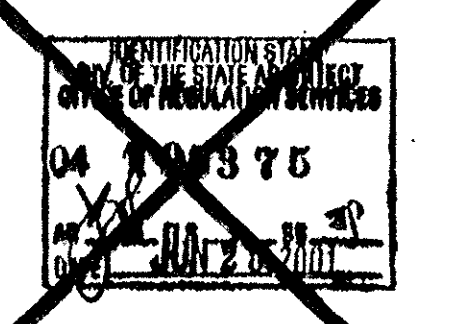
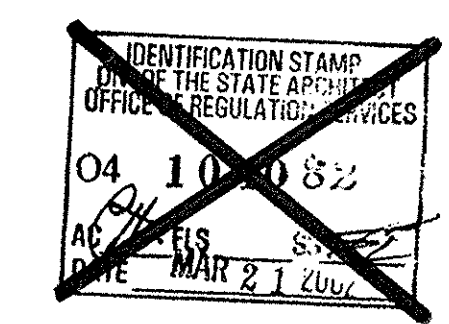
SCALE 1/4"=1'-0"

KEY NOTES

- 1 | FOR MOUNTING HEIGHTS SEE (E).
- 2 | CLOSURE AT MODULAR JOINT
- 3 | FOURPLEX WALL RECEPTACLE SEE (E)
- 4 | J BOX FOR INT FA PULLSTATION SEE (F)
- 5 | LIGHT SWITCH SEE (E)
- 6 | TOP SET BASE (TYPICAL) SEE FINISH SCHED.
- 7 | RETURN AIR GRILL SEE (F)
- 8 | ELECTRICAL PANEL SEE (E)
- 9 | LINE OF FINISH FLOOR
- 10 | THERMOSTAT SEE (F)
- 11 | MODULAR JOINT
- 12 | 8040 MARKBOARD. TYPICAL FOR (2) SEE SPEC'S
- 13 | FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. BRACKET, HANDLE AT 48" A.F.F.
- 14 | 12" DIA. ELECTRIC CLOCK. SEE (H)

NOTES

- 1. FOR MOUNTING HEIGHTS SEE (E).
- 2. *DETAIL 5/A6.0 FOR WOOD STUDS. SEE ALT. DET. 5/A6.0M FOR USE WITH METAL STUDS.



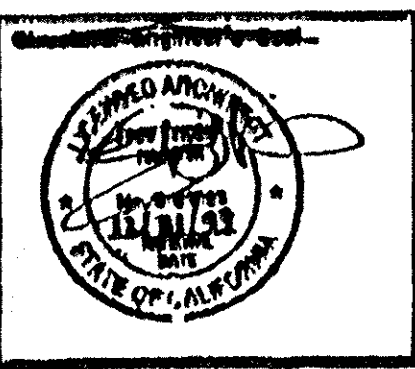
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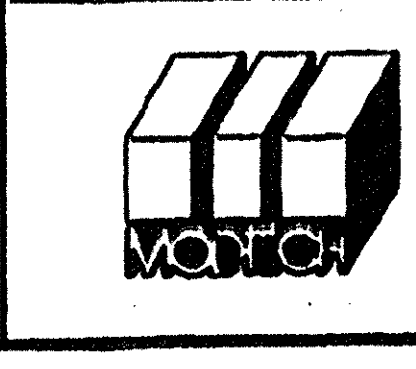
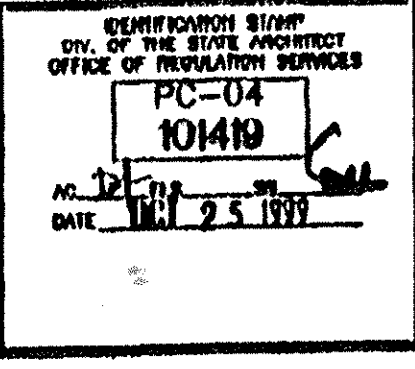
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Electrical Engineer's Seal

Mechanical Engineer's Seal



Architect's Seal



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INTERIOR ELEVATIONS

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DOOR SCHEDULE												WINDOW SCHEDULE						ROOM FINISH SCHEDULE										NOTES			
DOORS												WINDOWS						ROOMS										REMARKS			
FLOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	WIN. NO.	GLASS TYPE	ROOM NUMBER	ROOM NAME	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT		CEILING	CEILING HEIGHT	
1	3'-0" X 6'-8"	HM	A	NA	1	1	HM	7/A6.0	8/A6.0	1/A6.0	5-1/8"			2	1	8'-0"	4'-0"	ANODIZED	A	7/32" MIN. SOLAR GRAY 46%, SINGLE GLAZE	1	CLASSROOM	A	D						8'-6"	SEE SIGNAGE
HM - HOLLOW METAL ALUMINUM AL - ALUMINUM SSI - STAINLESS STEEL ST - STEEL WW - WINDOW WALL FRAME SW - SOLID CORE WOOD HW - HOLLOW CORE WOOD WL - SOLID CORE WOOD W/LAMINATED PLASTIC FACES												A - CARPET PER STATE OF CALIF SPEC 7220-51E-04 COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSLE BASL. B - NOT USED C - NOT USED D - 4" PURK E - 6" BRIGANTINE OR SANDOVAL F - 1/2" VINYL BACKBOARD GLASS-1 OVER 1/2" GYP. BOARD G - 1/2" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH H - 3/8" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH I - 1/2" GYP. BOARD TAPE TEXTURE PAINTED WITH PAINTED FINISH J - 3/8" GYP. BOARD TAPE TEXTURE PAINTED WITH PAINTED FINISH K - 1/2" MARLITE OVER 1/2" W.R. GYP. BOARD L - ACCOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)						1. ALL FINISHES SHALL COMPLY WITH C.B.C. 3,6,7,8, & 10 & C.F.C. & TITLE 19 C.C.R. 2. FOR DOOR AND DOOR FRAME DATA SEE SPECIFICATIONS ON SHEET AB.0.													
DOOR ELEVATIONS												WINDOW ELEVATIONS						FINISH NOTES													
																		1. SUB-FLOOR PREP: PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.													
DOOR NOTES												WINDOW NOTES																			
1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 36" AFF & DEADBOLTS @ 44" AFF. 2. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR. 3. ALL DOORS SHALL BE 1-3/4" THICK UNO 4. DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS. 5. SAFETY GLASS, CLEAR 6. WIRE GLASS 7. UNDERCUT DOOR 8. FIXED LOUVER 9. FUSIBLE LINK LOUVER 10. VISION PANEL 11. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 8.5 LBS @ EXTERIOR DOORS AND 5.0 LBS @ INTERIOR DOORS.												1. 8040 XOX ANODIZED ALUMINUM GLAZING; EXTERIOR LITE 3/16" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LITE TRANSMISSION FACTOR OF 46%. 1/4" ALUMINUM SPACER. INTERIOR LITE - 1/8 MIN. CLEAR TEMPERED. ALL OPERABLE SASH SHALL HAVE ALUMINUM SSCREENS.																			
HARDWARE SCHEDULE												ACCESSIBILITY SIGNAGE (BY DISTRICT)																			
HARDWARE SET #1 LOCKSET - SCHLAGE D70PD, RHODES LEVER, OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 260 OR EQUAL CLOSER - NORTON 8500 DA / LCN 1460 OR EQUAL THRESHOLD - PEMCO 271A OR EQUAL DOOR BOTTOM - PEMCO 216AV OR EQUAL WEATHERSTRIP - PEMCO 299AV OR EQUAL DOOR STOP - QUALITY #44 OR EQUAL																															
REVISIONS												CBC 1998 PC																			

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 04 104310
 AC FLS
 DATE JUN 08 2002

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 AC FLS
 DATE MAR 2 2002~~

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PROJECT NO. 4097

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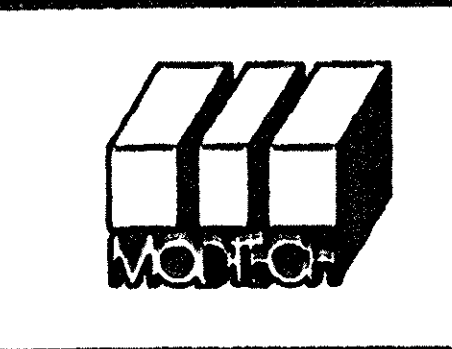
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Mechanical Engineer's Seal

Architect's Seal

Architect's Seal

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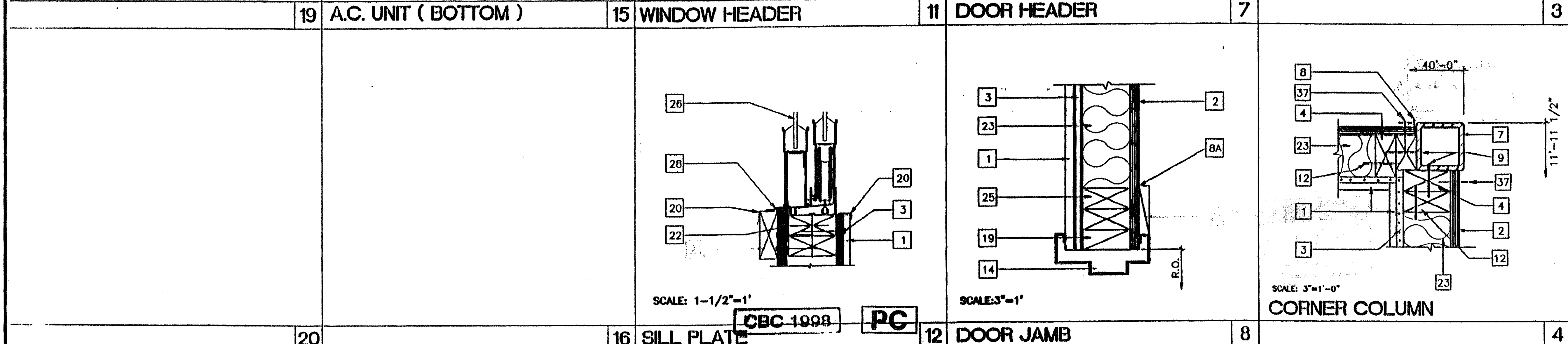
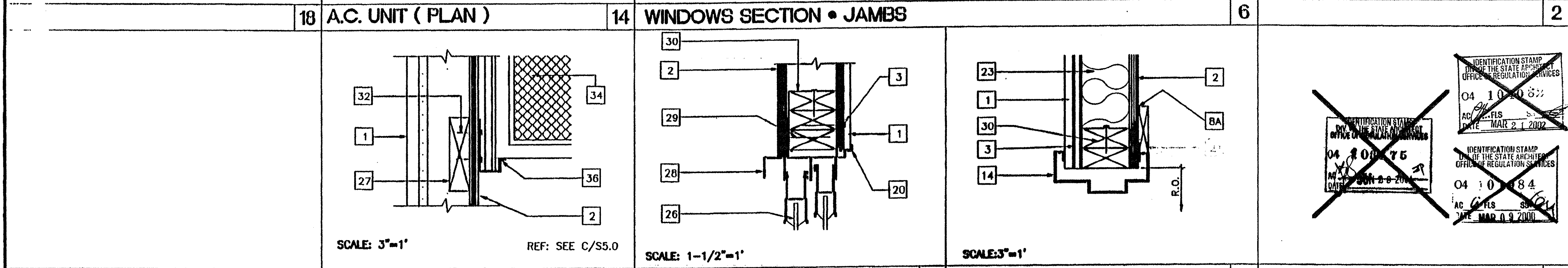
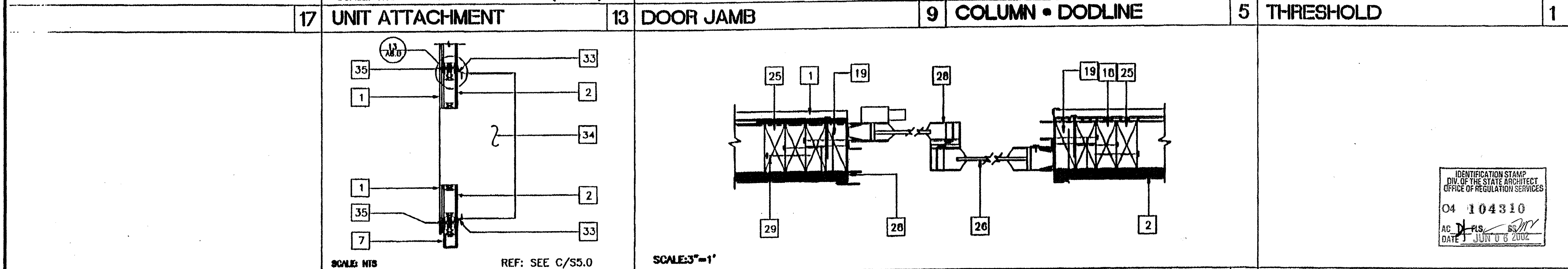
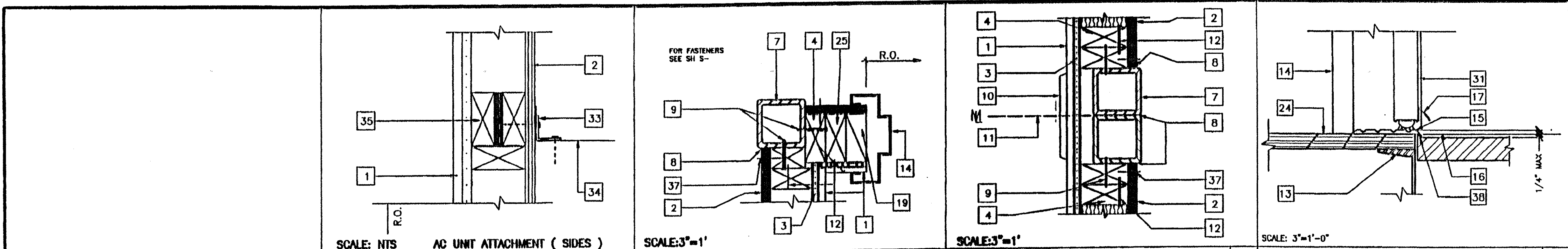


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SCHEDULE SHEET

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 DATE:

MODTECH Index No.
A5.0



- ### KEY NOTES
- TYP. INTERIOR FINISH (SEE FINISH SCHEDULE)
 - TYPICAL EXTERIOR FINISH
 - 1/2" GYPSUM BOARD BACKING W/ 7d MAX 7" O.C. TYP. AT L.A. STUD
 - 2X4 STUD TYP. AT 16" O.C. MAX.
 - NOT USED
 - 26GA SHEET METAL FLASH 2" X 4" X LENGTH
 - TUBE STEEL COLUMN SEE (S11)
 - NOT USED
 - #10 S.T.S.M.S. AT MAX. 24" O.C. (ALT. HILLI D.145 SHOT 1"IN) 2X FILLER TO COLUMN
 - VINYL CLOSURE
 - MODULE JOINT
 - 16d AT 24" O.C. FACE NAIL OR 16d AT 12" O.C. TOE NAIL (SEE SHEET S5.1)
 - FLOOR BEAM SEE (S11)
 - PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
 - ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
 - FINISH LANDING SEE FLOOR PLAN AND FOUNDATION FOR TYPE AND FINISH
 - DOOR BOTTOM (SEE HARDWARE SCHEDULE)
 - (2) 2X4 KING STUD (SEE SHEET S5.0)
 - 2X4 TRIMMER (SEE SHEET S5.0)
 - "Z" MOLD 26GA
 - NOT USED
 - (2) 2X4 SILL PLATE W/ 16d AT 16" O.C.
 - INSULATION (SEE SPECS. FOR SIZE AND TYPE)
 - FINISH FLOORING (SEE FINISH SCHEDULE SHEET A5.0)
 - 2X4 JAMB STUDS (SEE SHEET S5.0) DETAILS FOR NUMBER OF STUDS REQUIRED AND NAILING SCHEDULE FOR NAILING
 - WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A5.0)
 - 2X6 LET IN (SEE WALL FRAMING SHEET S5.0)
 - ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/ MIN. 3" BLDG. PAPER BETWEEN FINISH AND FRAMING. INSTALL WITH 8d AT MAX. 24" O.C.
 - 16d BOX STAGGERED AT MAX 24" O.C.
 - HEADER 12/S5.0
 - DOOR (SEE DOOR SCHEDULE) A5.0
 - 6-3/8" X 2" GALVANIZED LAG SCREWS
 - L 1-1/2"x1-1/2"x1/8"x18" LONG (BY HVAC MFR.) ATTACHED TO A/C W/ 4-#10 SELF TAPPING SHEET METAL SCREWS AND ATTACH TO WALL W/ 3" X 2" GALVANIZED LAG SCREWS
 - SIDE OF HVAC UNIT SEE (IV)
 - (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST. 8d AT O.C. STAGGERED SPACER TO FIRST 2X4 16d AT 12" O.C. SECOND 2X4 12d AT 12" O.C. STAGGERED THIRD 2X4 ALTERNATE USE 4X4 POST
 - 11GA. X24" STEEL SUPPORT BRACKET
 - EN - 8d BOX ELECTRO GALV. AT 6" O.C.
 - FN - 8d BOX ELECTRO GALV. AT 12" O.C.
 - CAULKING

- ### NOTES
- EN 8d ELECTRO GALV. AT 6" O.C.
 - FN 8d ELECTRO GALV. AT 12" O.C.
 - SEE SHEET S5.0 FOR TYPICAL WALL FRAMING NAILING
- INSULATION MATERIALS INSULATED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
- A: FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602
 - B: WHEN MATERIALS ARE INSULATED IN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS. IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC)

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Architect's Seal

Professional Engineer's Seal for Mechanical Engineering, State of California, No. 10149.

Professional Engineer's Seal for Architecture, State of California, No. 10149.

MODTECH INC.
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PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

ARCHITECTURAL DETAILS

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DATE: 3/6/02
CHECKED BY:
DATE:

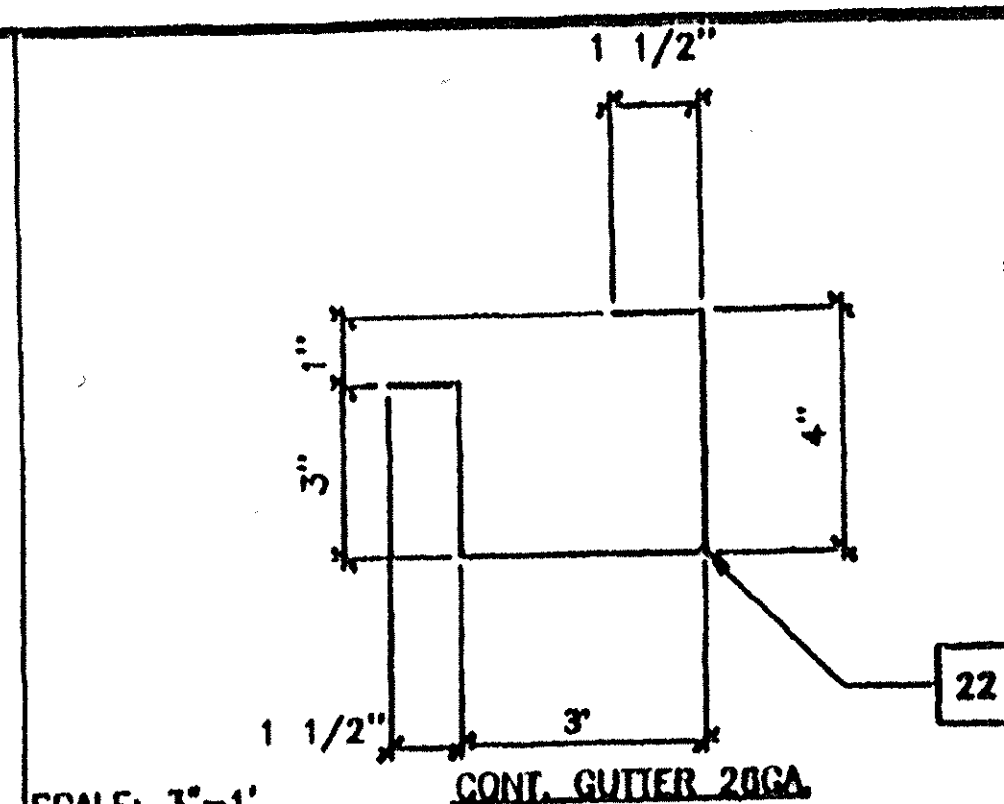
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PROJECT NUMBER: 4097

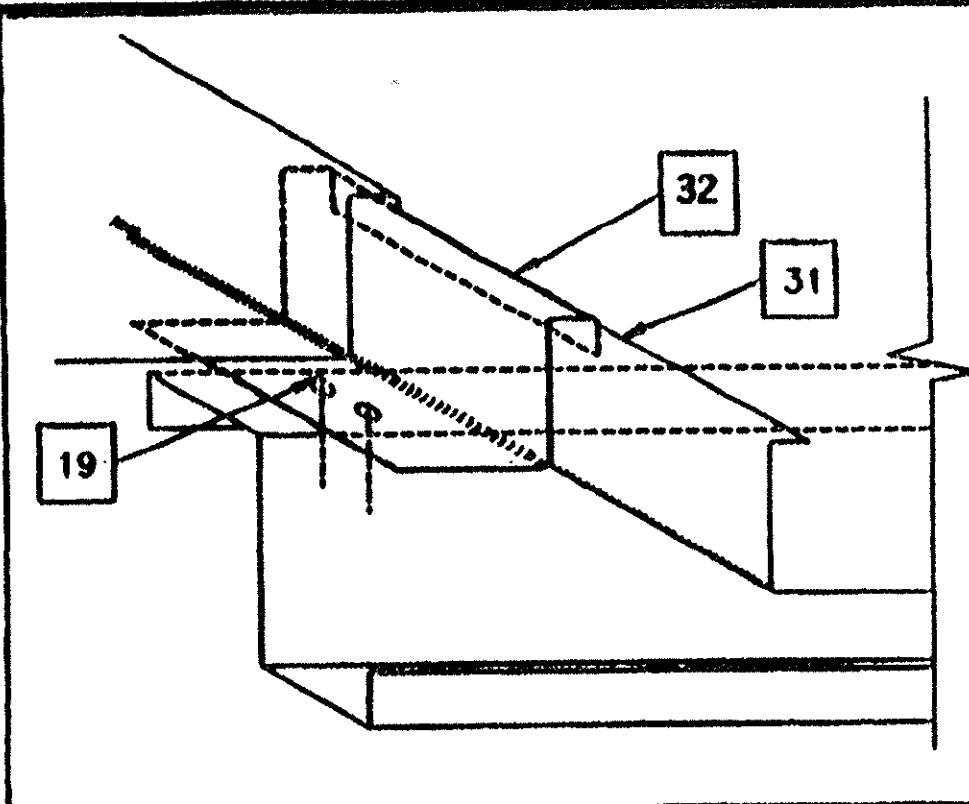
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KEY NOTES

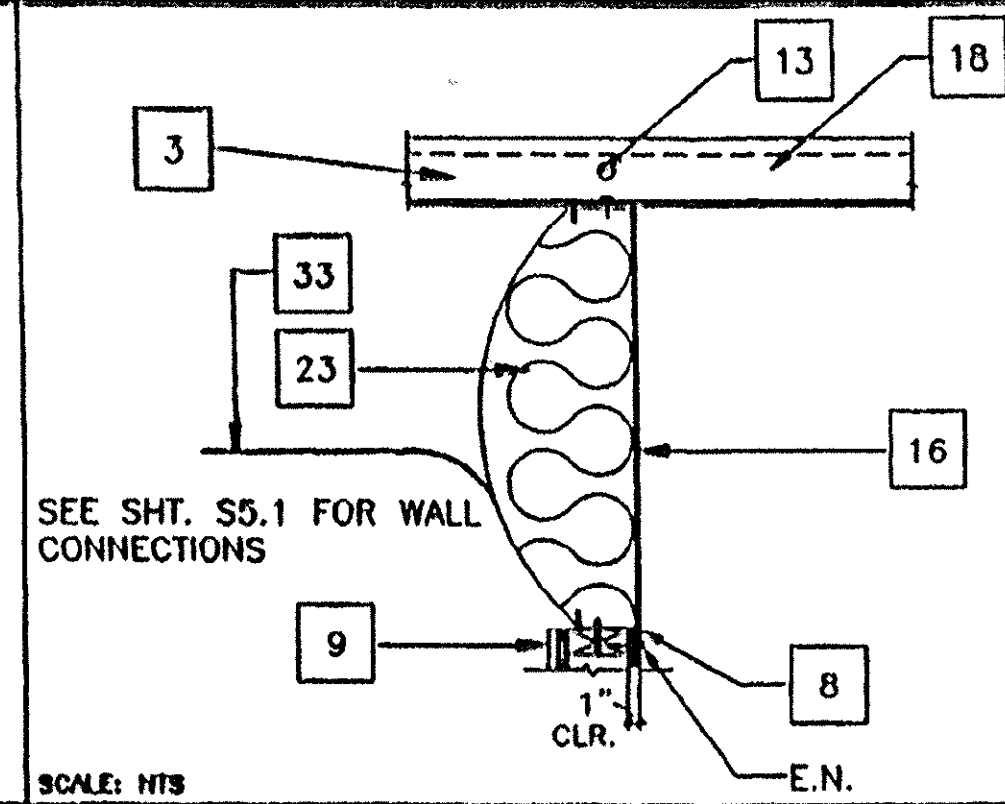
- 1 TYP. INTERIOR FINISH
- 2 TYP. EXTERIOR FINISH
- 3 #14 STMS X 3/4" W/NEO WASHER 3 PER PAN MAX 6" O.C.
- 4 2X4 STUD TYP. 16" O.C.
- 5 1 1/2"x1 1/2" X 22GA \angle CLIP AT 32" O.C.
- 6 TUBE STEEL SEE **STR**
- 7 1 1/2"x1 1/2" X 20GA COPED ANGLE W/2 #10 STMS TO PURLIN (TYP) AT 0'-0" O.C.
- 8 SEALANT TYP. (SEE SPECIFICATIONS)
- 9 EXTERIOR WALL (SEE SS.1 FOR CONNECTIONS)
- 10 #14 STMS AT EA STANDING RIB (16" OC)
- 11 DOWNSPOUT
- 12 #8 STMS- 1 AT EA SIDE OF DOWNSPOUT TO BRACKET
- 13 (1) - #14 STMS W/NEOPRENE WASHER THROUGH RIB
- 14 ATTACHMENT BRACKET(TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2-#10 STMS, BRACKET TO STUD)
- 15 2 X 4 SILL PLATE PER 4/SS.1
- 16 ROOF HEADER SEE **STR**
- 17 GI FLASHING 22GA
- 18 STANDING SEAM ROOF (SEE A2.0 FOR GA.)
- 19 ROOF PURLIN SEE **STR**
- 20 FLOOR BEAM SEE **STR**
- 21 22GA GALV. FLASHING (AT BELOW GRADE CONC. FOUNDATION ONLY)
- 22 CONTINUOUS 20GA. GUTTER (SEE 9/A6.1)
- 23 INSULATION (SEE SPECS FOR TYPE AND SIZE)
- 24 #14 STMS AT EACH CLIP (32" O.C.)
- 25 22 GA STARTER/END ROOF CLIP-3/A6.1
- 26 1/4" CONTINUOUS BEAD OF SEALANT AROUND ENTIRE PERIMETER OF FRAME
- 27 #14x3/4" STMS AT ROOF HEADER WITH NEOPRENE WASHER-3 PER PAN MAXIMUM 6" OC
- 28 26 GA GALVANIZED IRON FLASHING AT SIDE WALL
- 29 C 14x12 GA HEADER
- 30 (2) AKN .144 KNURLED DRIVE PINS-ROOF CLIP TO PURLIN ROOF BEAM OR HEADER
- 31 6"x2 1/2"x14 GA ROOF PURLIN SEE PLAN FOR SPACING
- 32 22 GA STARTER/END ROOF CLIP
- 33 PROVIDE VAPOR BARRIER OVER INSULATION AT ROOF BEAMS AND CEILING



SCALE: 3"-1"
 CONT. GUTTER 20GA



ROOF STANDING SEAM



SCALE: NTS
 END WALL AT ROOF

17

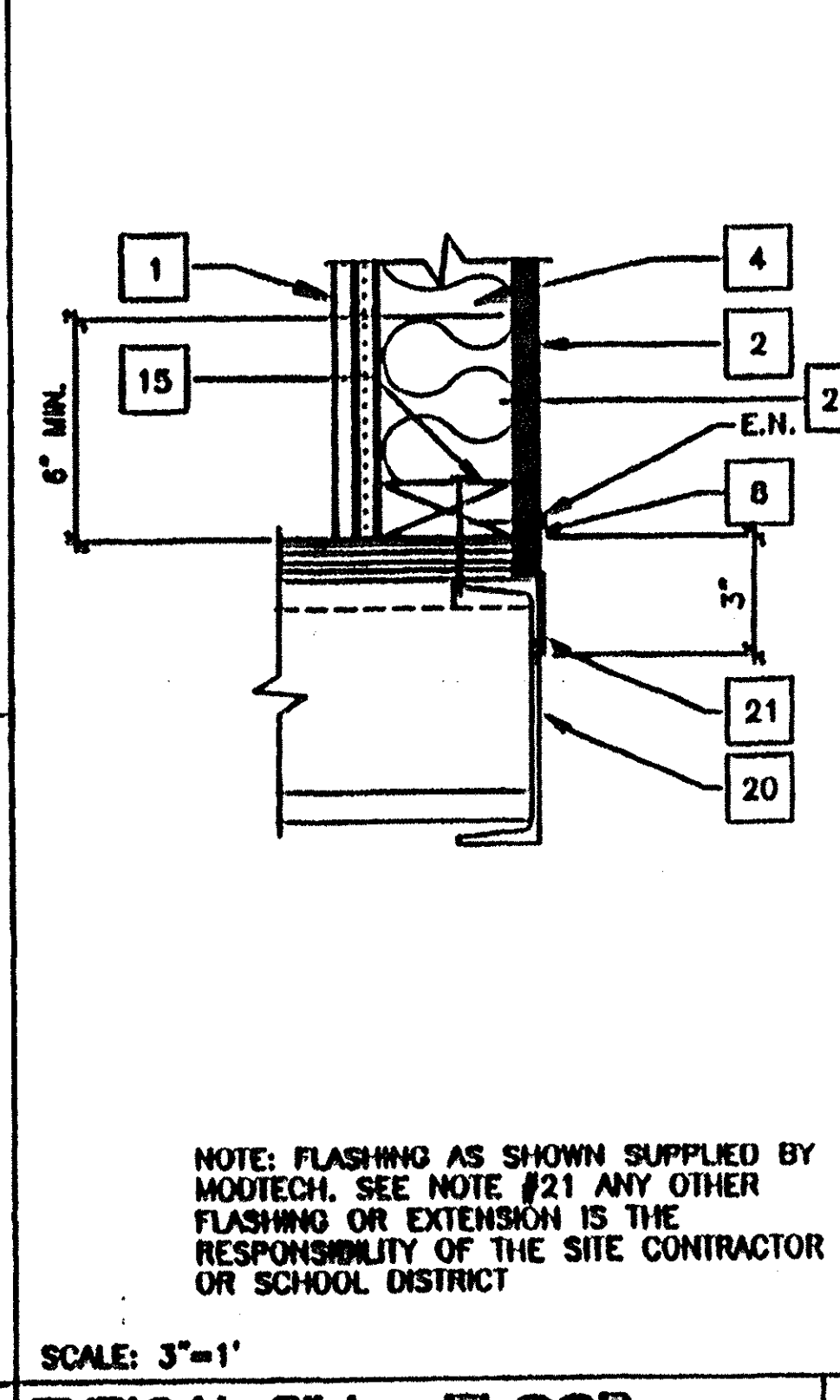
13 CONT. GUTTER AND CLOSURE 9

5

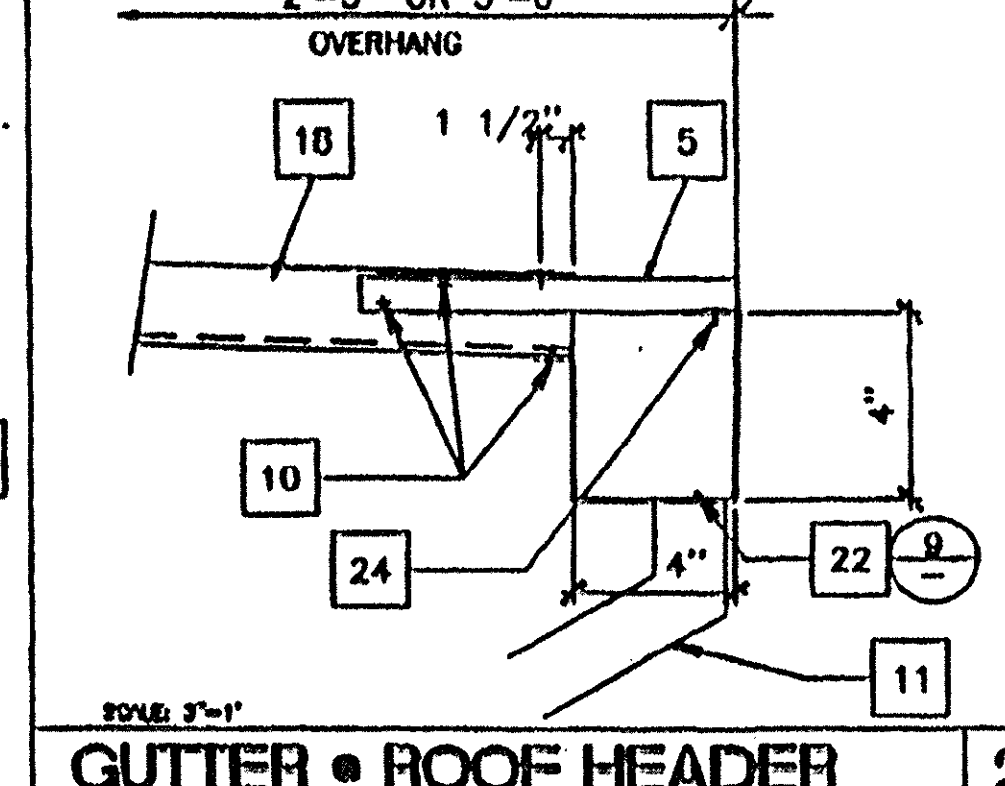
1

18

14



SCALE: 3"-1"
 GUTTER • ROOF HEADER



SCALE: 3"-1"
 GUTTER • ROOF HEADER 2

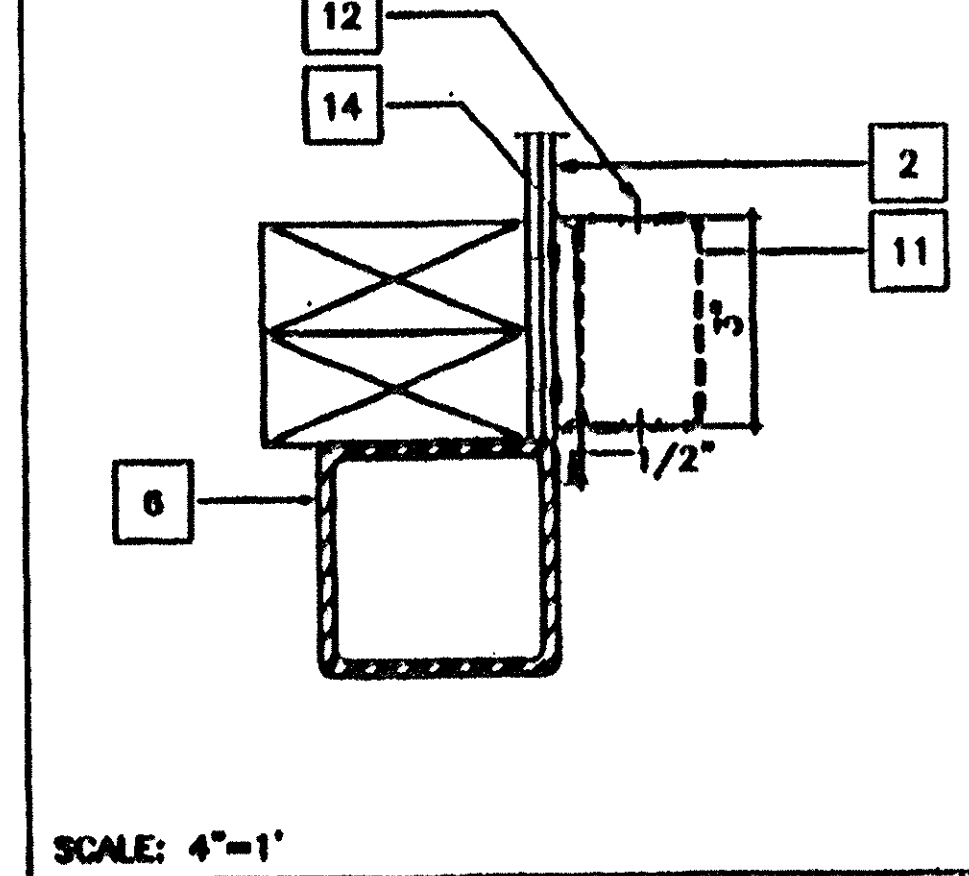
NOTE: FLASHING AS SHOWN SUPPLIED BY MODTECH. SEE NOTE #21 ANY OTHER FLASHING OR EXTENSION IS THE RESPONSIBILITY OF THE SITE CONTRACTOR OR SCHOOL DISTRICT

19

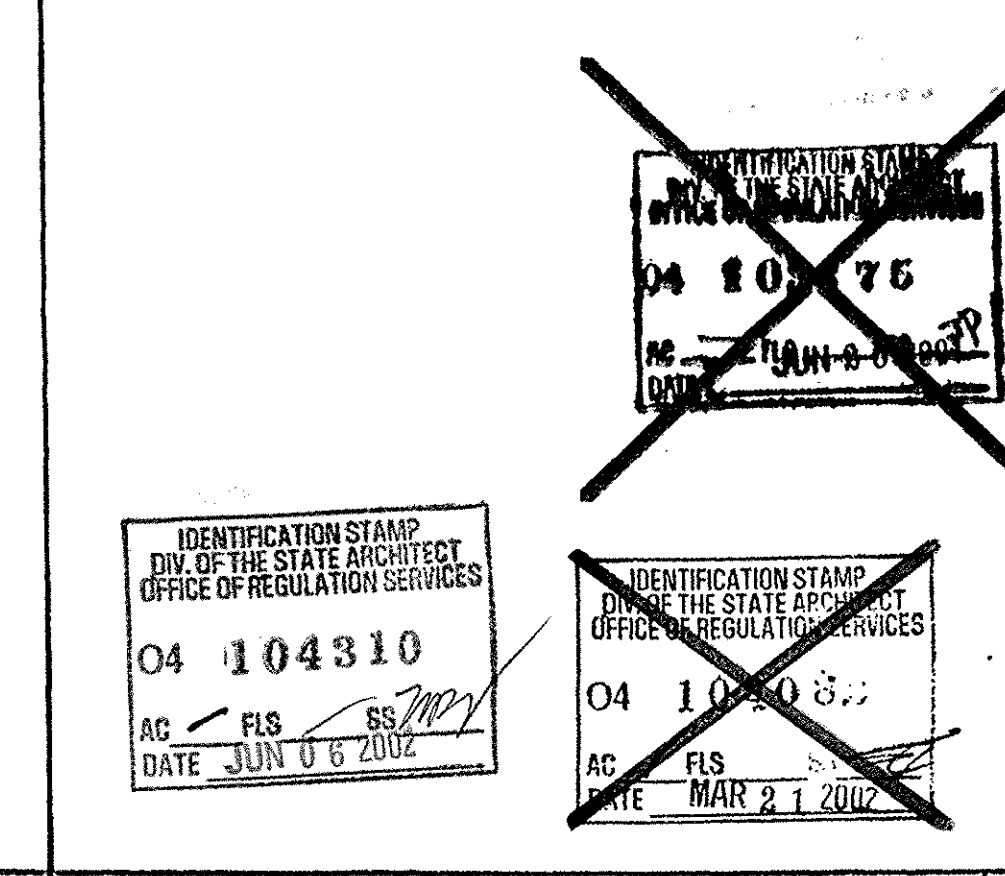
15

11 TYPICAL SILL • FLOOR

6 ROOF FLASHING AT SIDE WALL 3



SCALE: 4"-1"
 DOWNSPOUT ATTACHMENT 8



SCALE: NTS
 ROOF FLASHING AT SIDE WALL 3

REVISED
 DEC 9 1999

PC

CBC 1998

REVISIONS		
1	UPDATE CLIP DETAIL	SS

Electrical Engineer's Seal
 Mechanical Engineer's Seal

Professional Engineer Seal
 Architect Seal

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 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
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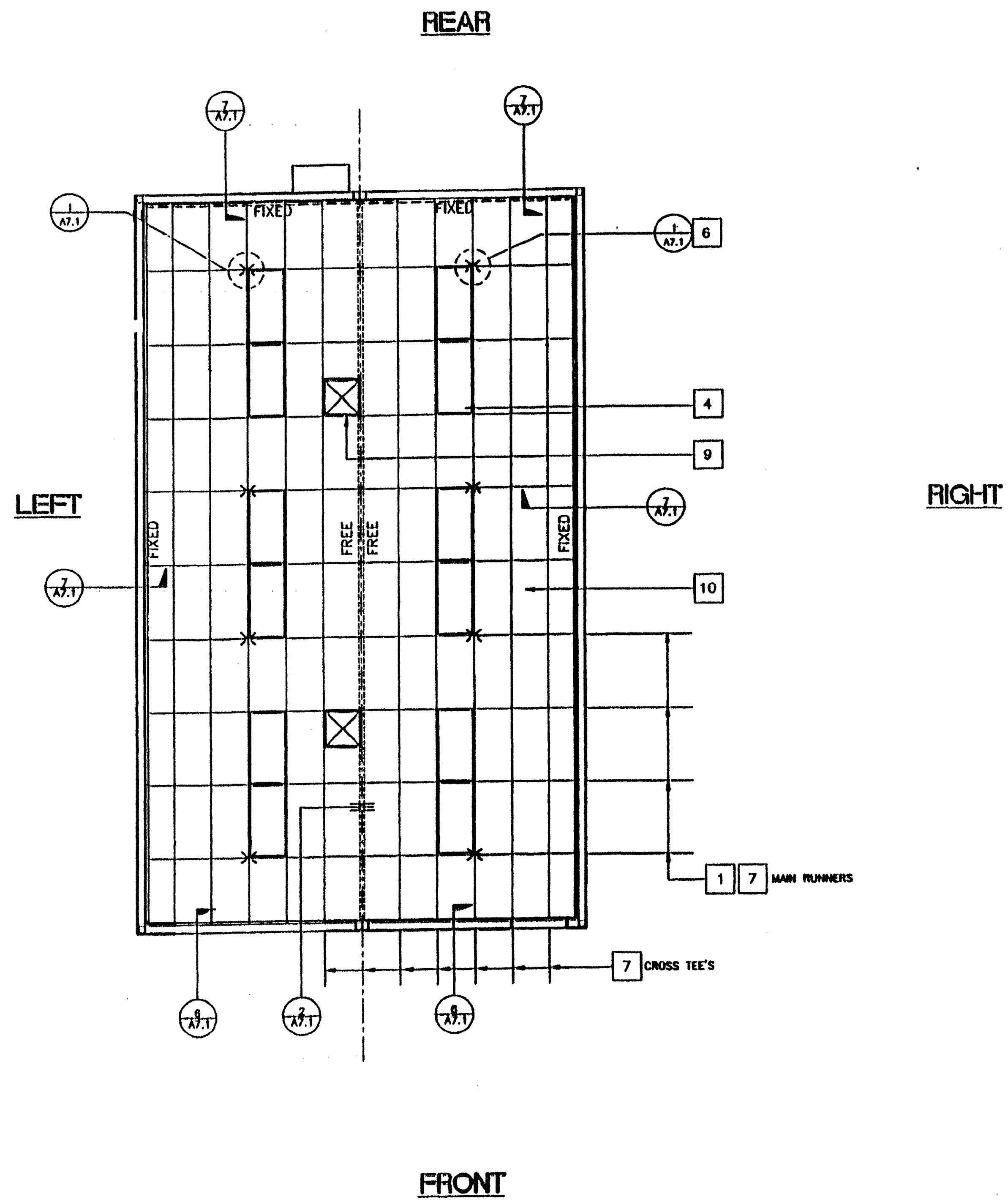
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 DATE: MAR 09 2000

A6.1

ARCHITECTURAL DETAILS

PROJECT NO. 4037
 PC-04-101419



REFLECTED CEILING PLAN (24'X40')

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

CBC 1999
PC

KEY NOTES

- 1 MAIN RUNNERS @ 4'-0" W/12GA. @ END OF EACH RUNNER.
- 2 AT THE END OF ROWS OF RUNNER HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
- 3 VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRLS.
- 4 PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES: 2 X 4 RECESSED, ATTACH FIXTURE TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER.
- 5 RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS, OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
- 6 CEILING AREAS SHALL HAVE 2/4-WAY SPLAYS PER DETAIL 1 ON SHEET A7.1 IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.

T-BAR PART NUMBERS

	ARMSTRONG PA-041		
RUNNER MAIN	7301D		
4' CROSS TEE	7343		
2' CROSS TEE	7328		
WALL ANGLE	7800D		

- 8 DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
- 9 REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA. SHEET METAL SCREWS. (TYP. 1- @ EA. CORNER)
- 10 CEILING PANELS: 2910

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- SPLAY WIRE 4 WAY
- INDICATES FIXED SIDE (SEE DETAIL 7/A7.1)
- INDICATES FREE SIDE (SEE DETAIL 8/A7.1)

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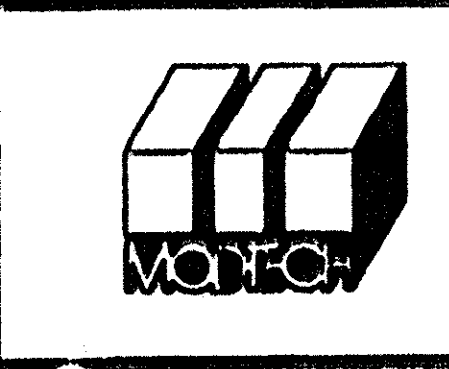
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REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Architect's Seal

Electrical Engineer's Seal
Mechanical Engineer's Seal

Architect's Seal

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2830 BARRETT AVENUE
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REFLECTED CEILING PLAN 12 LIGHTS

MODTECH Index No.
A7.0

PROJECT NO. 4087
PC-04-101419

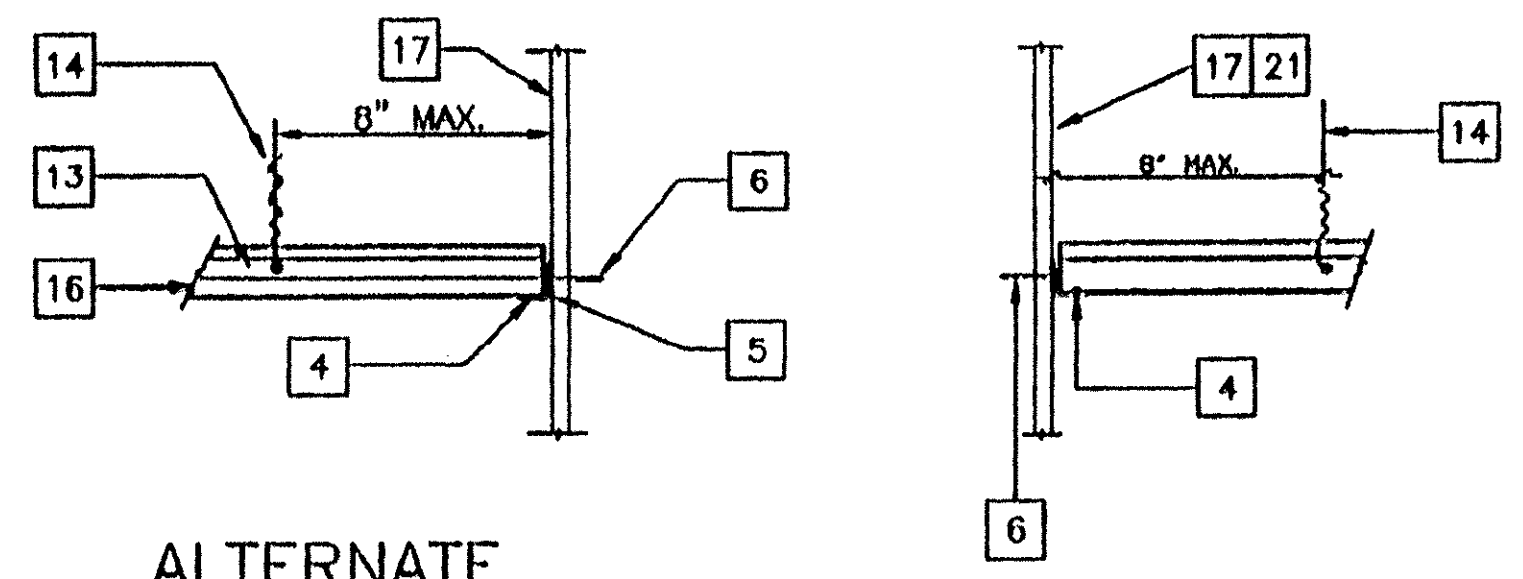
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SS FLS ACS
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FILE PATH: 2440-0-A7-1.026

PROJECT NO. 4097

KEY NOTES

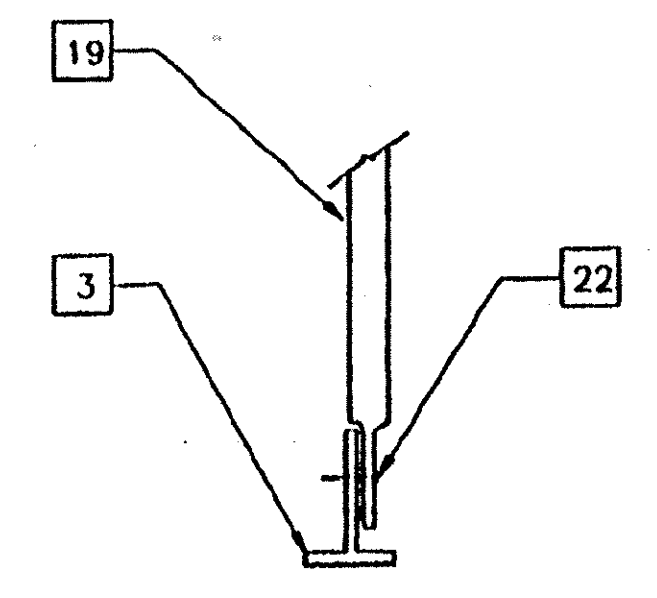
- 1 12GA. HANGER OR DIAGONAL SPLAY WIRE IN OR DRILLED HOLE
- 2 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.) WIRE TO RUN PERPENDICULAR TO MAIN TEE
- 3 MAIN RUNNER
- 4 1/8"Ø POP RIVET TO EACH T-BAR
- 5 WALL ANGLE
- 6 6d 16" Ø FRAMING TO WALL STUD #8 S.T.S.M.S. WHEN METAL STUDS ARE USED
- 7 ANGLE WITH 1/8"Ø POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
- 8 TOP PLATE
- 9 #10 S.T.S.M.S. Ø 4' O.C.
- 10 3" X 1/4" EYED SCREW, 1/8"Ø X 2" JIF-E SCREW WHEN METAL STUDS ARE USED
- 11 HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
- 12 28 GA. JETCOAT
- 13 CROSS TEE
- 14 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2" - SEE DETAIL #5 FOR WIRE TO PURLIN ATTACHMENT
- 15 MAIN RUNNERS OR CROSS TEES
- 16 ACOUSTICAL BOARD
- 17 FINISH WALL
- 18 HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE ARMSTRONG #7425 OR #7445 WITH SPRING STIFL SNAP TO RUNNER PER IR 47-4
- 19 3/4" EMT CONDUIT - MAX 5'-2" (COMPRESSION STRUT)
- 20 CRIMP CONDUIT AND ATTACH TO RAFTER WITH (2) #8 TEK SCREW
- 21 PROVIDE SPACE AT ALL MEMBERS AT OPPOSITE WALL
- 22 CRIMP CONDUIT AND ATTACH TO T-BAR GRID WITH #8 TEK SCREW
- 23 ROOF BEAM SEE (51)
- 24 ROOF PURLIN SEE (51)
- 25 RUN GYP BOARD TO TOP PLATE FOR FIRE BLOCKING



ALTERNATE

TYPICAL FIXED SIDE

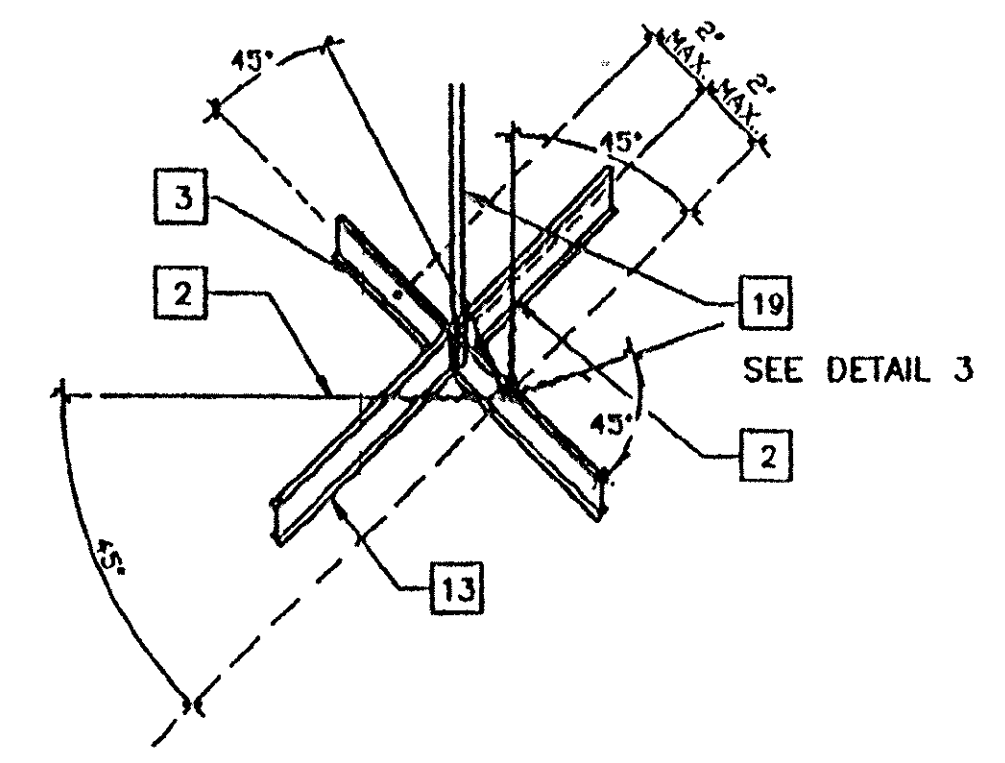
7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION

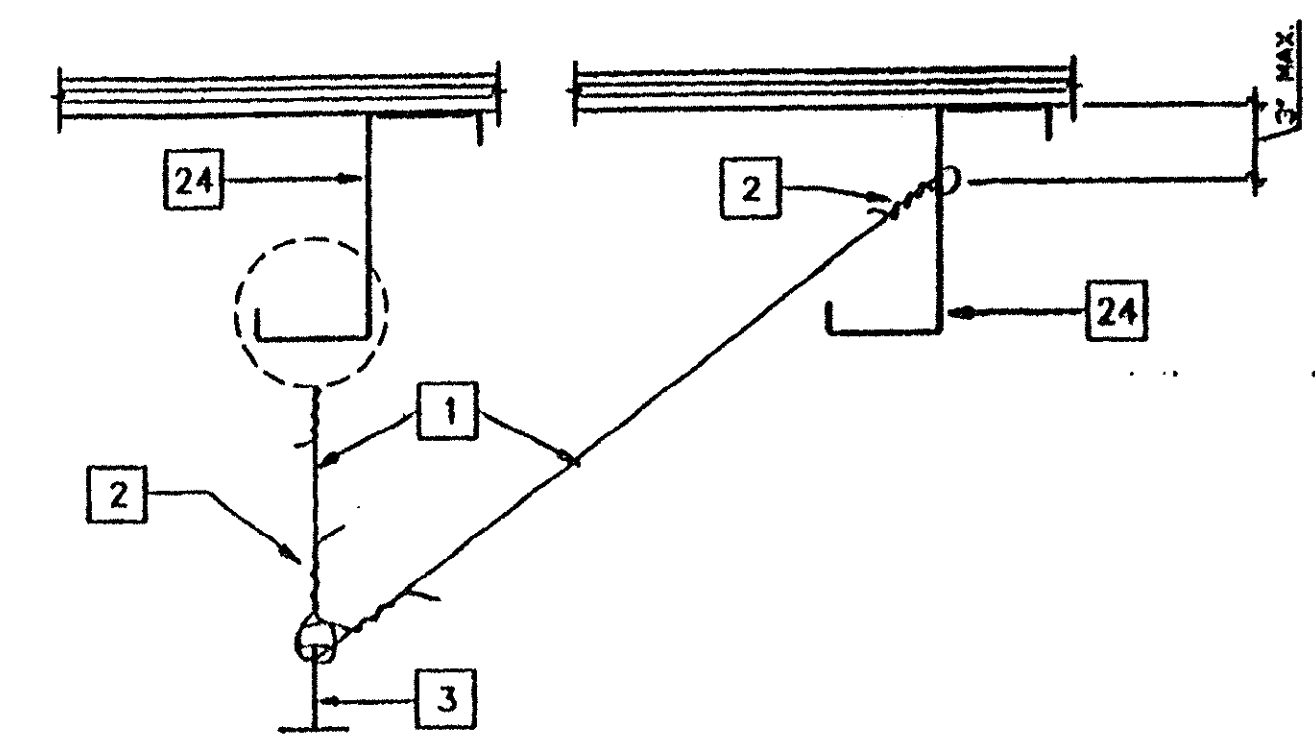
ALT. CONN. AT BOTTOM

4

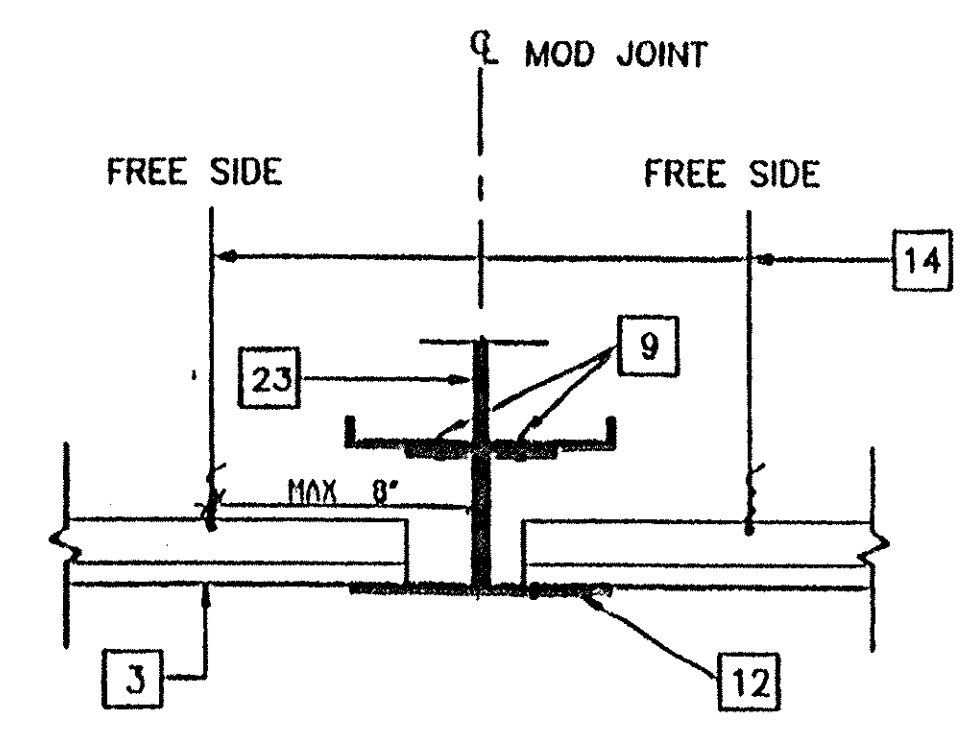


SEISMIC SPLAY - 4 WAY

1



5

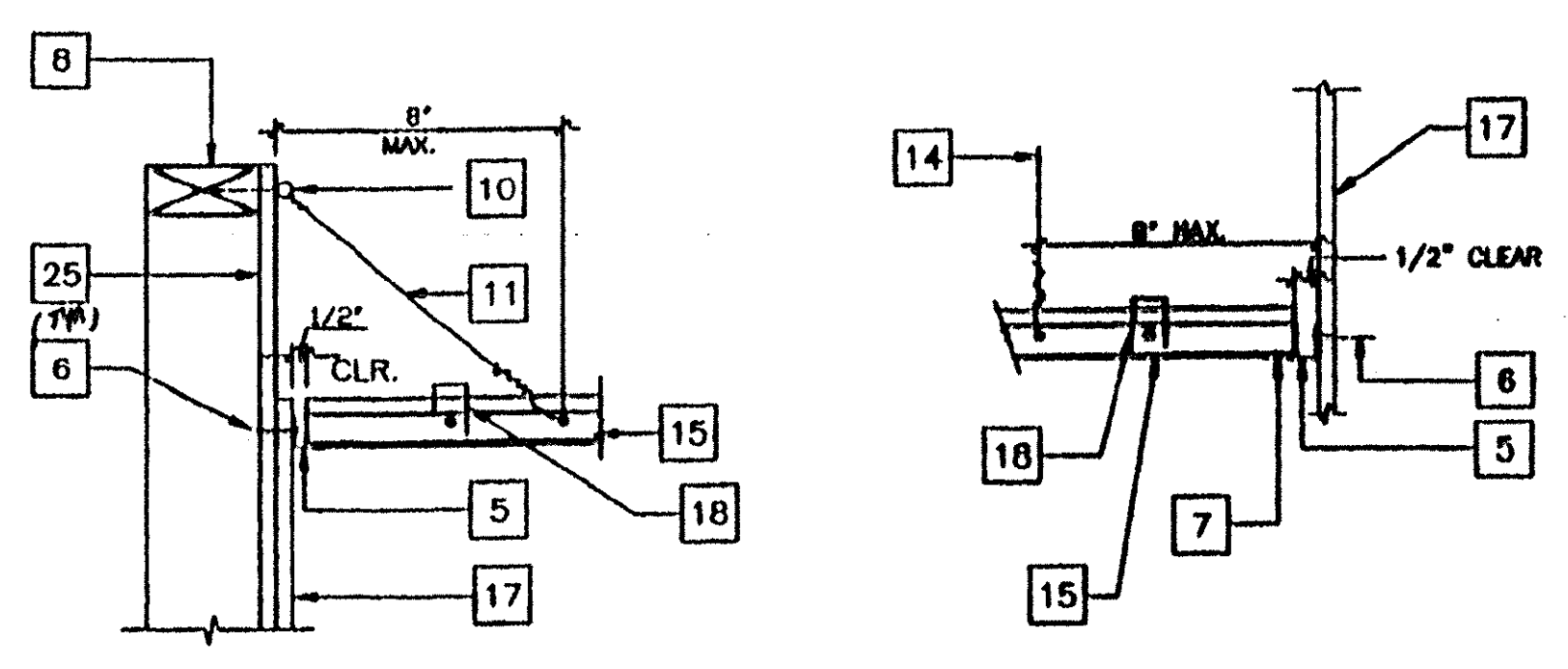


NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY.

GRID AT MOD LINE

SCALE 3"=1'

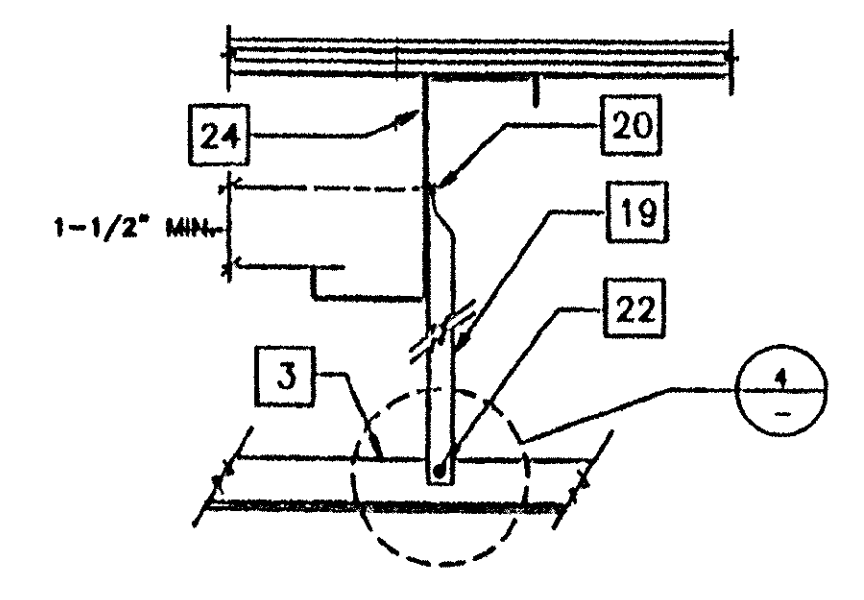
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ALTERNATE

TYPICAL FREE SIDE

6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR DEPENDING UPON CONDITION & LOCATION

GRID AT MOD LINE

3

CBC 1998

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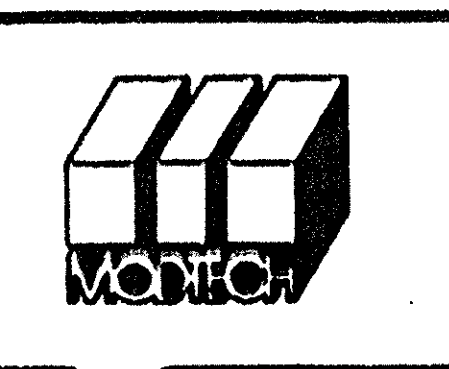
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REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal

Electrical Engineer's Seal
Mechanical Engineer's Seal
Structural Engineer's Seal

Architect's Seal

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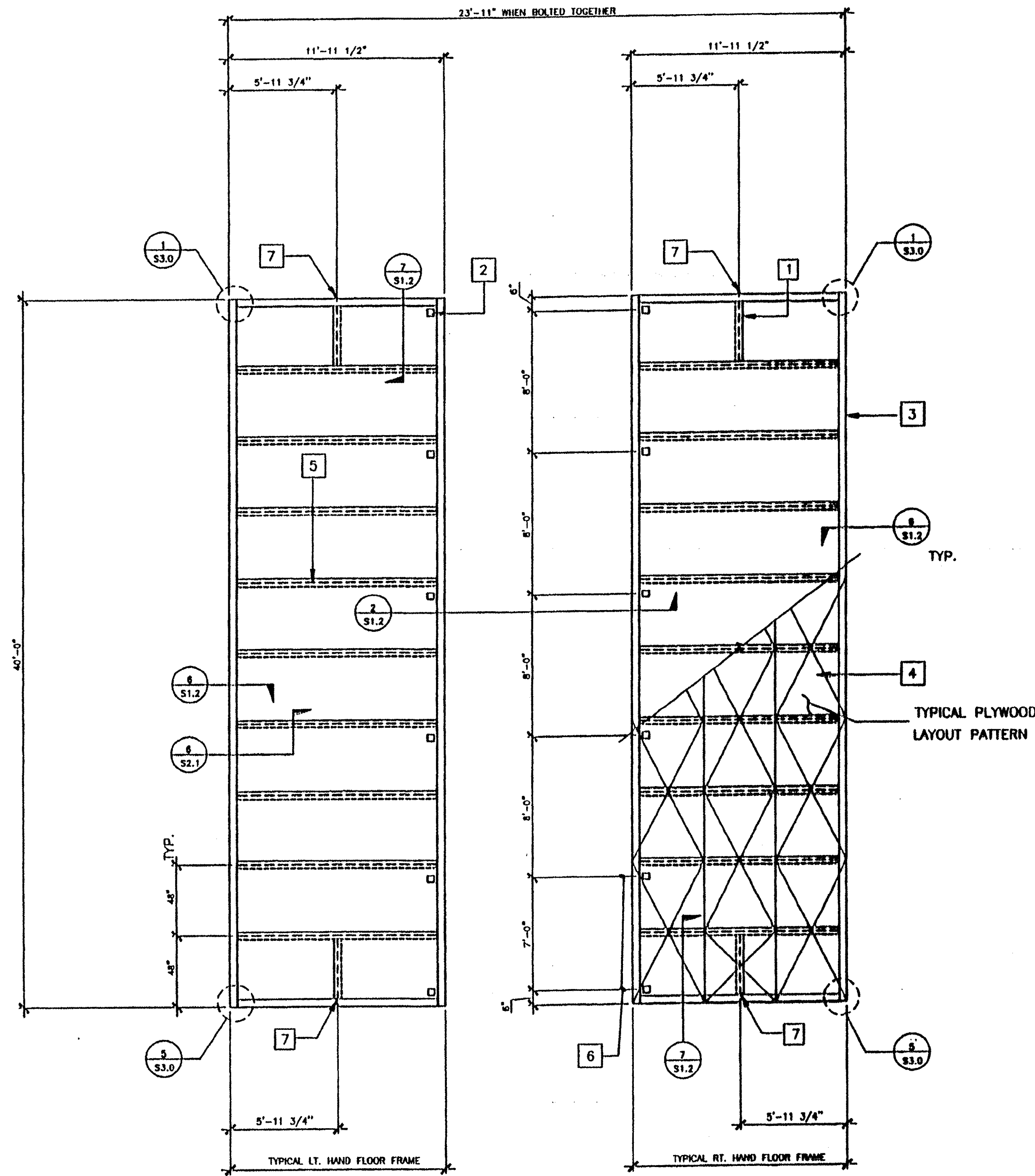
REFLECTED CEILING DETAILS

FLOOR JOIST TABLE	
LIVE LOAD	$\lceil 6 \frac{3}{8} \times 2 \frac{1}{2} \rceil$ 12GA. 12GA.
50 P.S.F.	48" O.C.

KEY NOTES

- $\lceil 6 \frac{3}{8} \times 2 \frac{1}{2} \times 12 \text{GA. BLO.} \rceil$ MIDSPAN OF FLOOR HDR. TYP.
- 5" DIA HAND HOLES AT BOLT UM 10 BM (12 PLACES) OPTIONAL 5" SQUARE HOLE
- C 7X9.8 PERIMETER CHANNEL (TYPICAL) SEE 5/S2.1
- PLYWOOD FLOOR SHEATHING: APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR OR EQUAL W/48" O.C. SPAN RATING, ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 6" O.C. FIELD TO JOIST. (TYPICAL) SEE 10/S2.1
- $\lceil 6 \frac{3}{8} \times 2 \frac{1}{2} \times 12 \text{GA. FLOOR JOIST} \rceil$ AT 48" O.C.
- TYPICAL BOLT HOLE LOCATION (SEE 2/S1.2)
- 1" \varnothing HOLE \bullet MID-DEPTH FOR HANDLING

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NOTES

- FOR L HAND & R HAND FRAME SEE S1.0
- WELDING FIT-UP: OPENINGS = $\frac{1}{2}$ OR $\frac{1}{8}$ " MIN FOR FULL PEN $\overline{\text{---}}$ AND $\overline{\text{---}}$
t = BASE METAL THICKNESS

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DATE MAR 27 2000~~

FLOOR FRAMING PLAN

FLOOR LIVE LOAD - 50 PSF

SCALE 1/4"=1'-0"

CBC 1993
PC

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal

Electrical Engineer's Seal
Mechanical Engineer's Seal

Structural Engineer's Seal
Architect's Seal

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FLOOR FRAMING PLAN

PROJECT NO. 4097
PC-04-101419

KEY NOTES

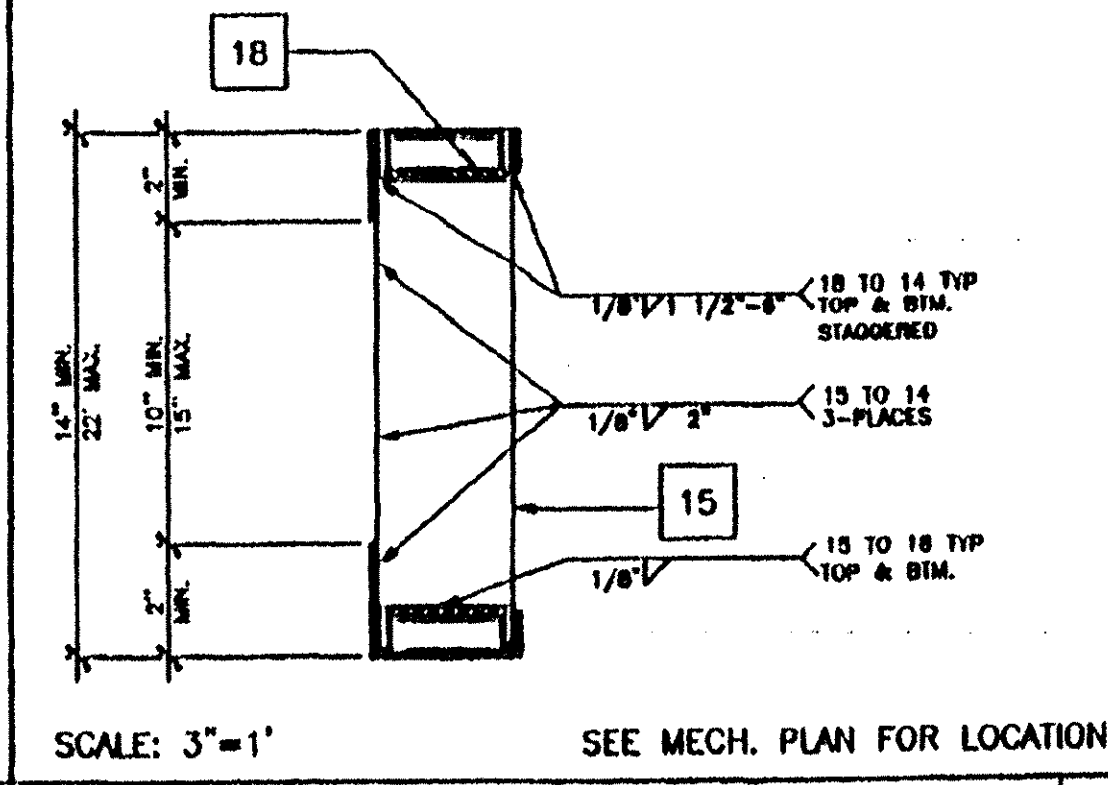
- 1 CAP CLOSURE AT RIDGE 26GA. GALV. W//10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN STAINANT. BOTH SIDES.
- 2 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8' O.C.
- 3 E.N.
- 4 MODULE JOINT
- 5 14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.1)
- 6 STANDING ROOF SEAM (SEE A2.0)
- 7 ROOF BEAM SEE 1/S2.1 & 7/S2.1
- 8 PLYWOOD FLOOR SHEATHING
- 9 FLOOR JOIST SEE 6/S2.1
- 10 FLOOR BEAM SEE 5/S2.1
- 11 HAND HOLE AT BOLT LOCATION
- 12 #14 STMS.
- 13 3 1/2"x3 1/2"x1/4" STEEL TUBE COLUMN. SEE 12/S2.1
- 14 ROOF HEADER SEE 3/S2.1
- 15 1/4" STIFFENER PLATE SEE 9/S2.1 FOR TYP. WELD
- 16 SEALANT
- 17 ROOF PURLIN SEE 2/S2.1
- 18 3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

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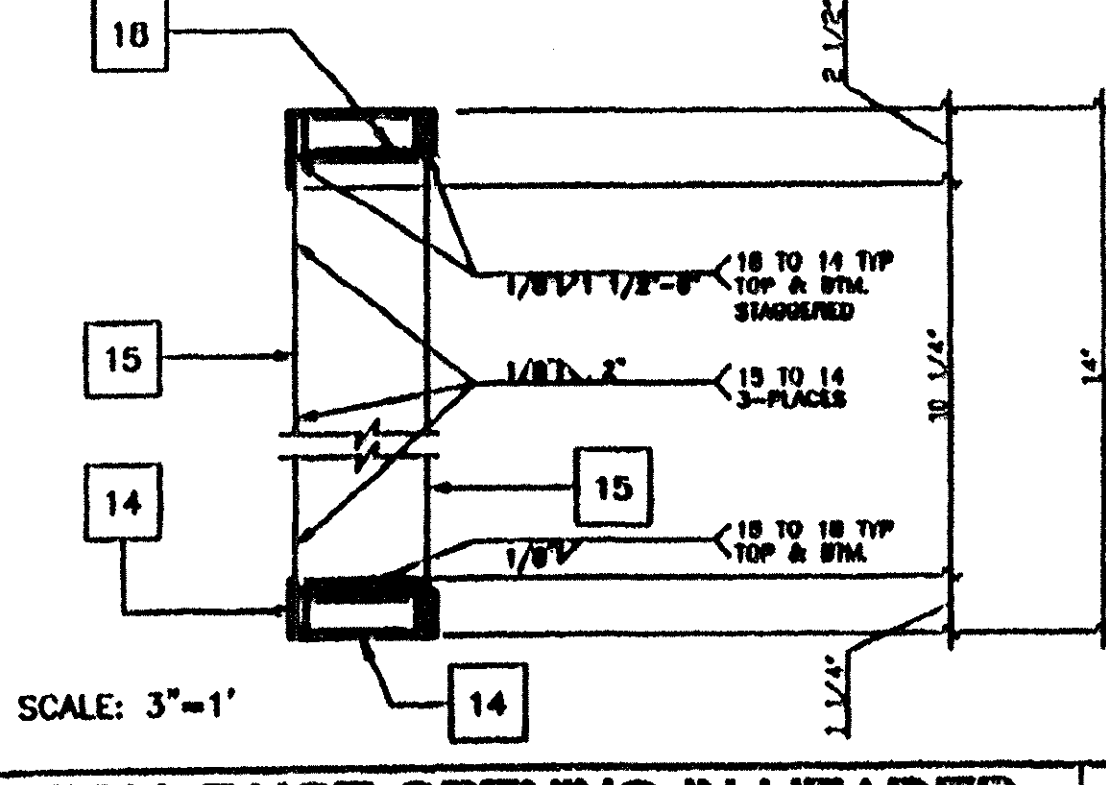
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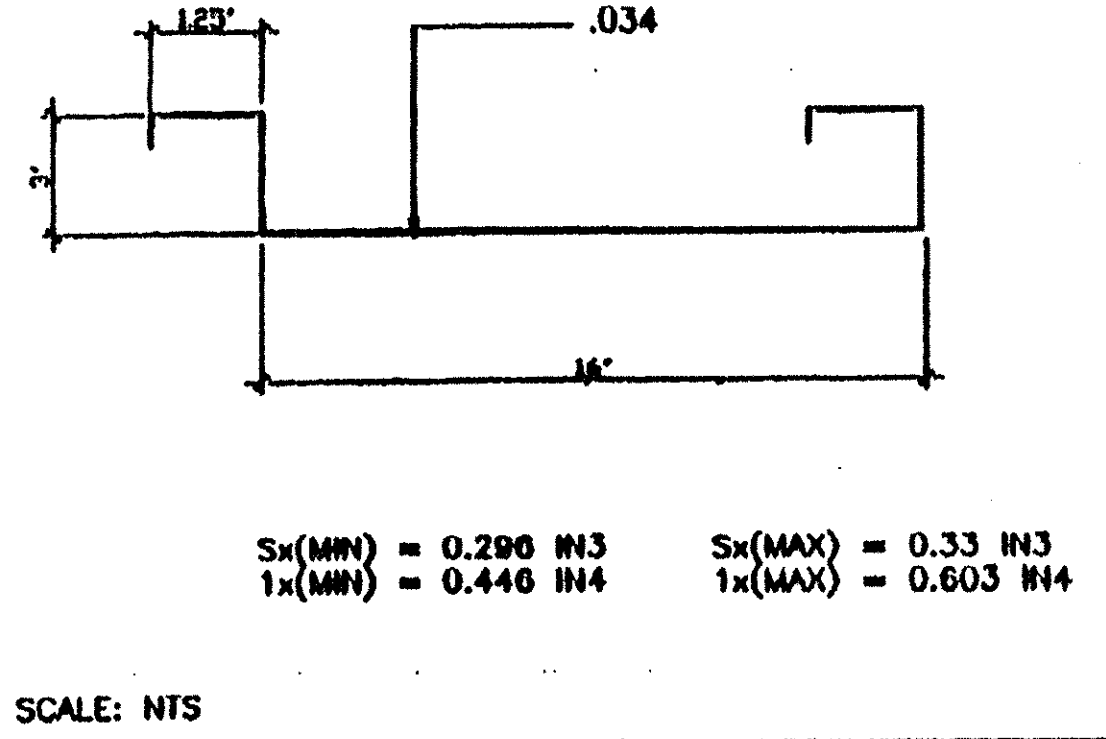
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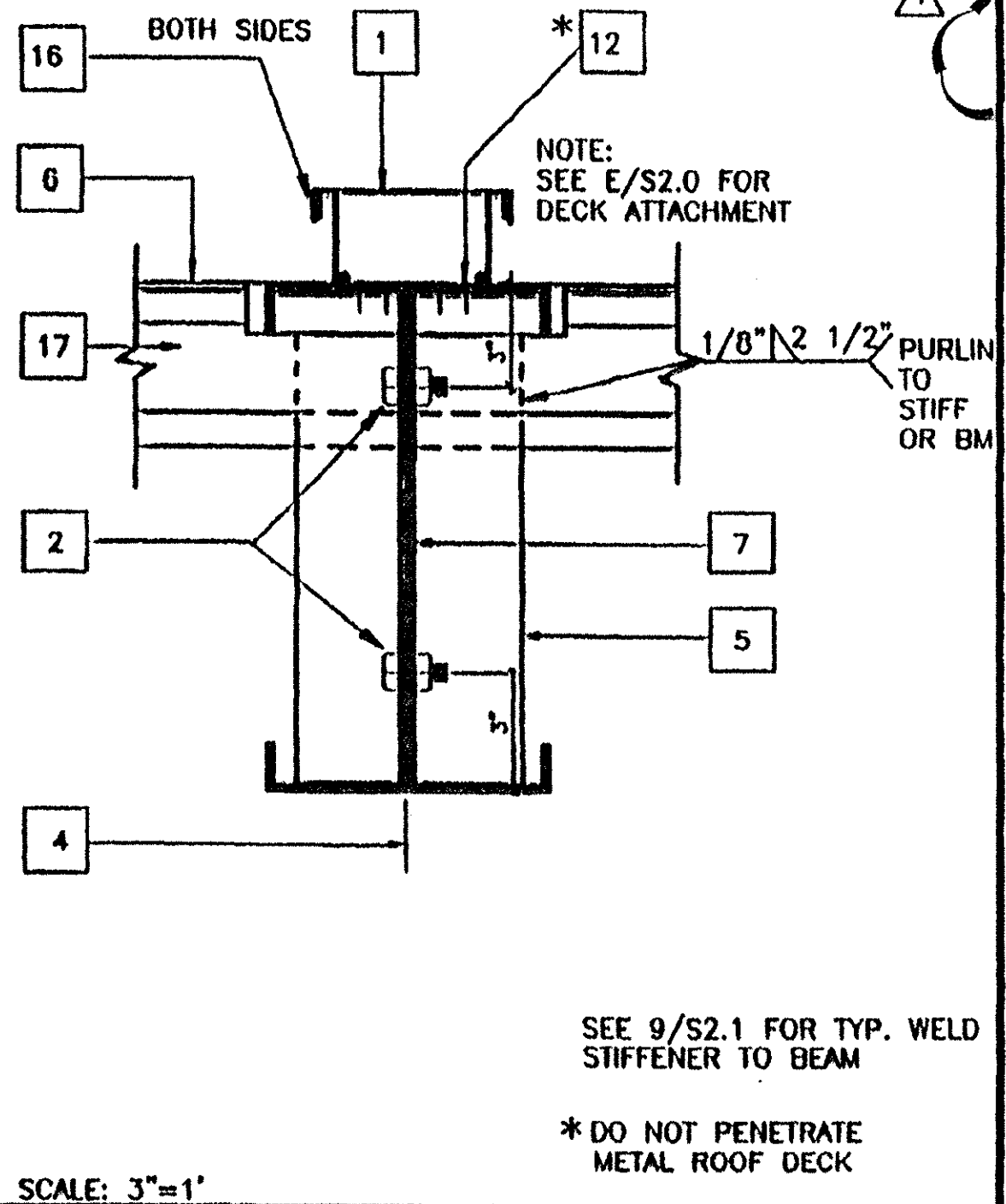
MECH. DUCT OPENING IN ROOF BM. 8



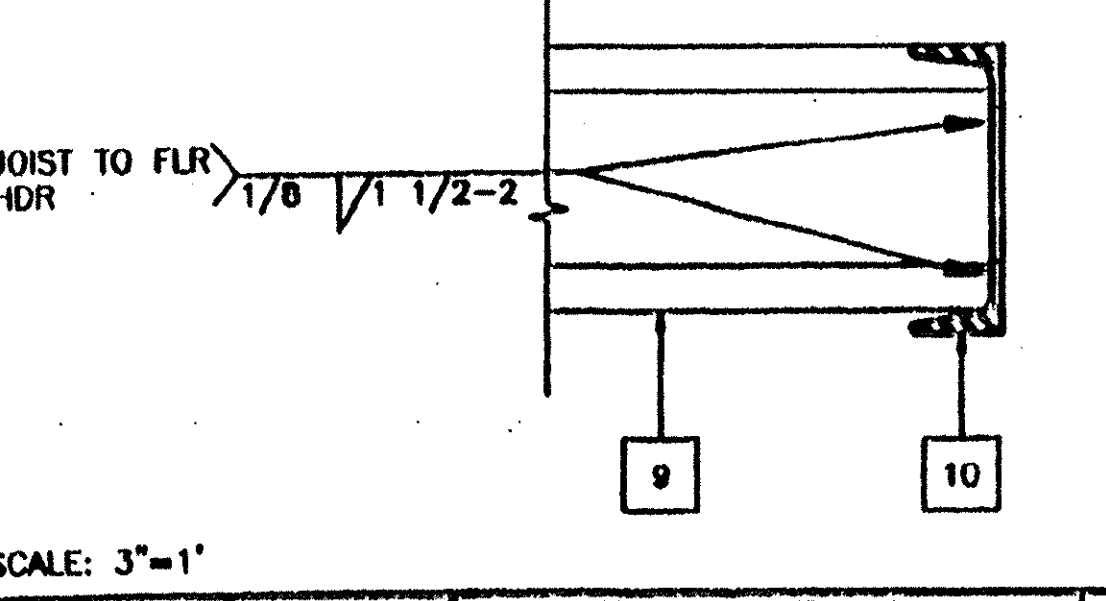
MECH. DUCT OPENING IN HEADER



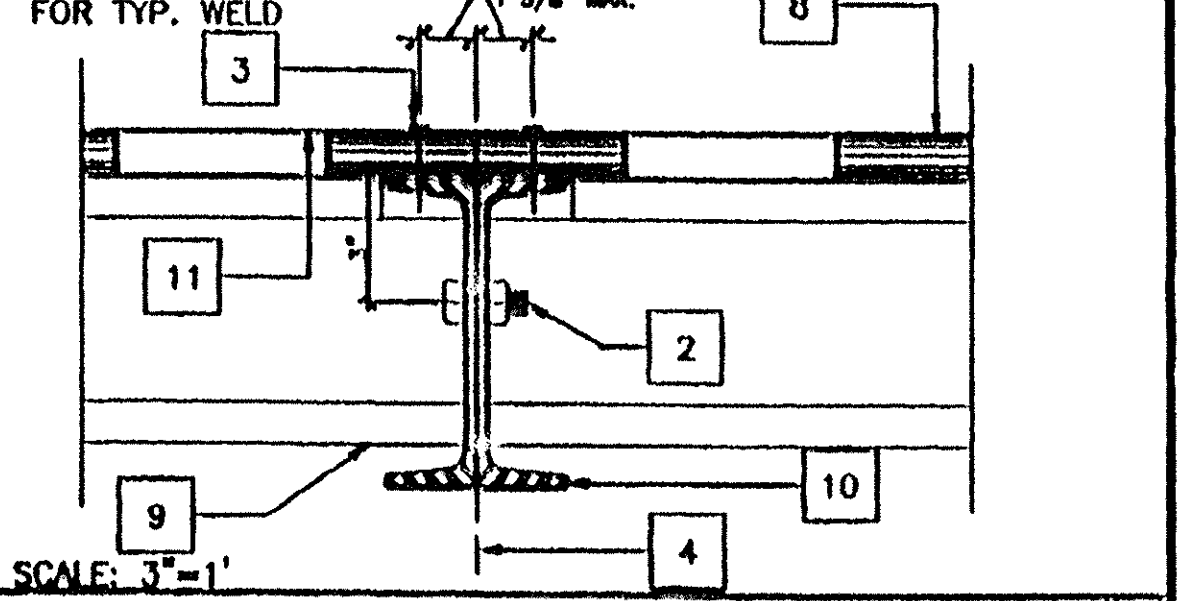
ROOF PAN (22GA.)



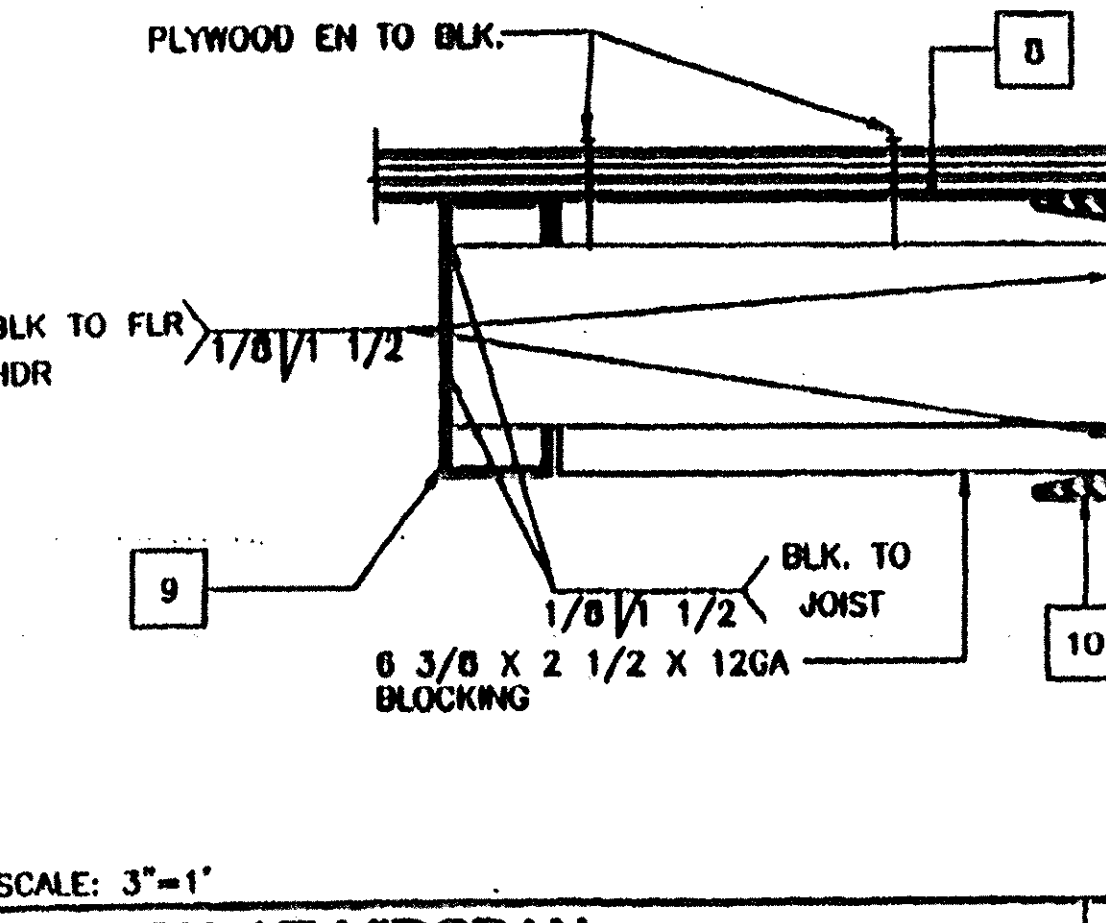
ROOFING - MODLINE



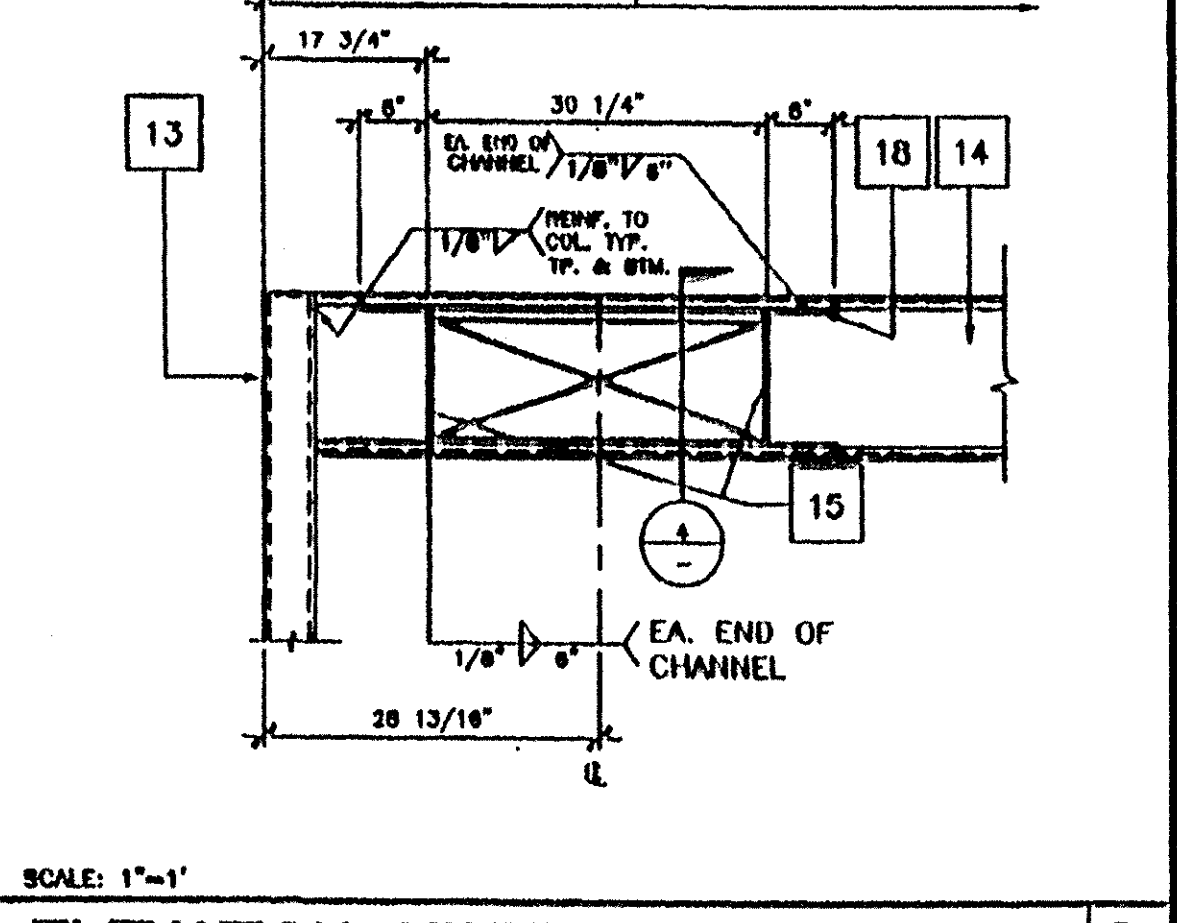
FLOOR FRAME/JOIST TO BEAM



MODULE JOINT AT FLR. 12'-0"



BLOCK AT MIDSPAN



ELEVATION-OPENING

NO.	REVISION	DATE
1	CORRECT KEYNOTE 2	00-10-01

Professional Engineer's Seal: Electrical, Mechanical, Structural, Architect.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC-04
 10149
 AC FLS
 DATE OCT 23 2002

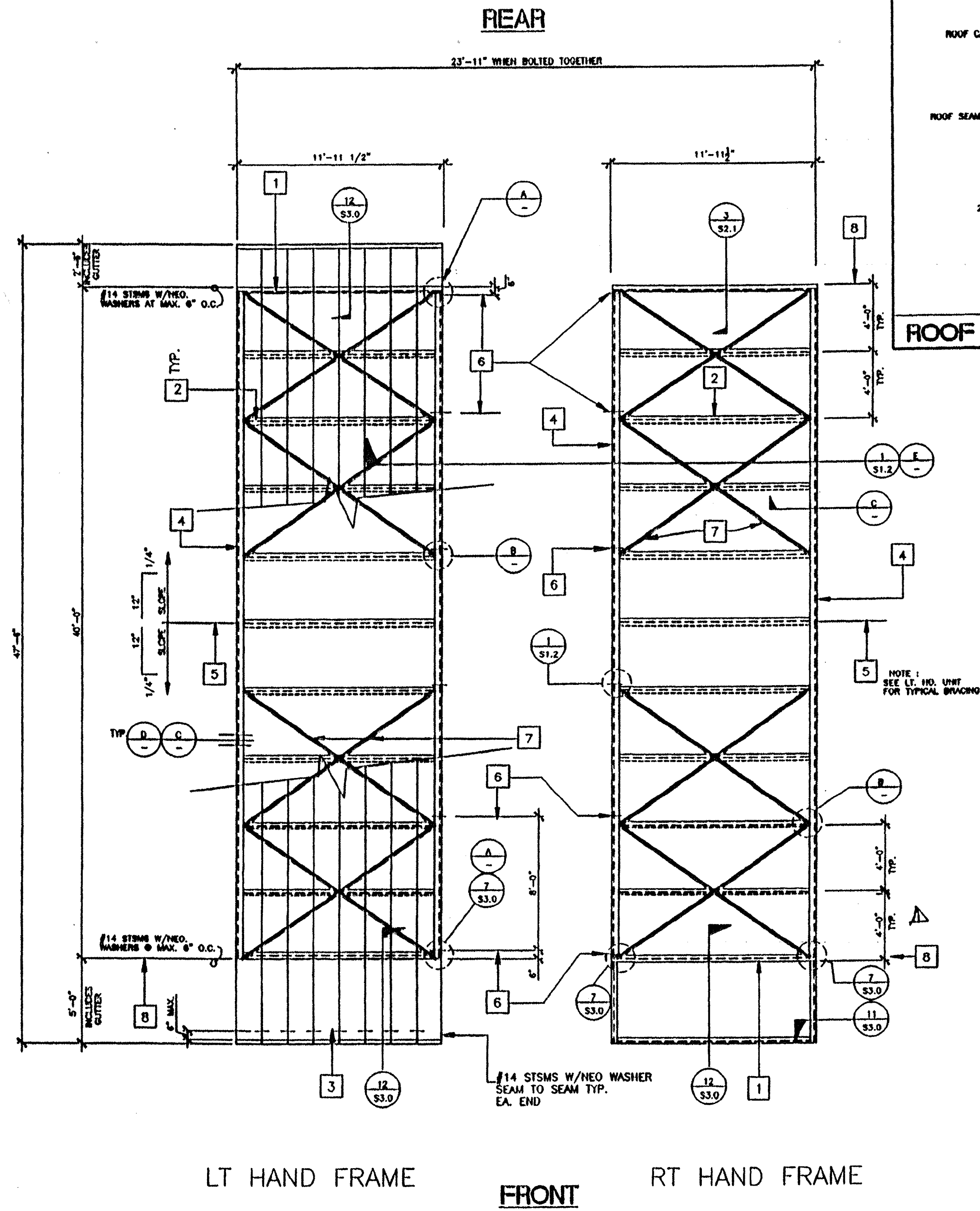
MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
 WILLIAMS SCOTSMAN
 MODTECH, INC. 1999

DRAWN BY: WQ
 DATE: 3/6/02
 CHECKED BY:
 DATE:

STRUCTURAL DETAILS
S1.2

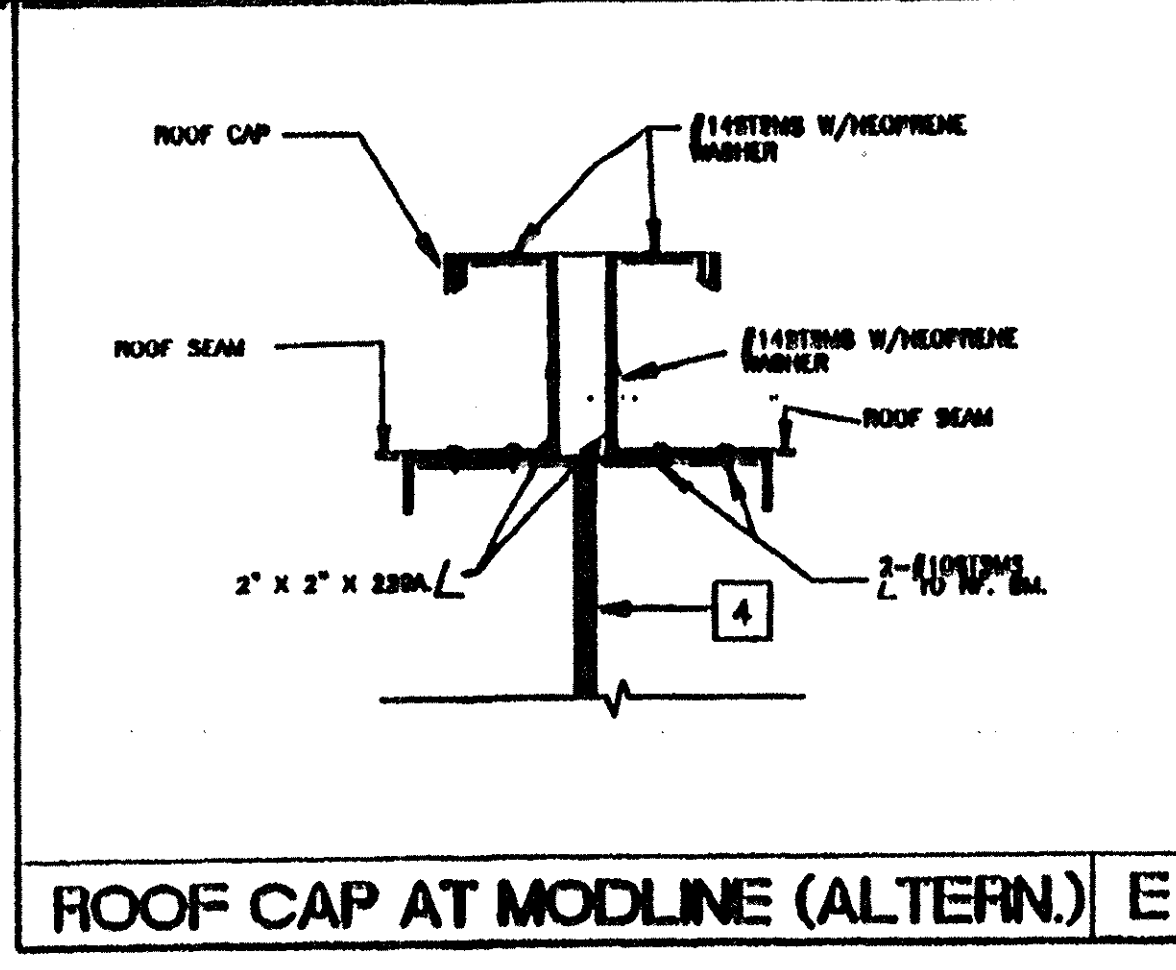
PROJECT: T.O. 4097 PC-04-101419



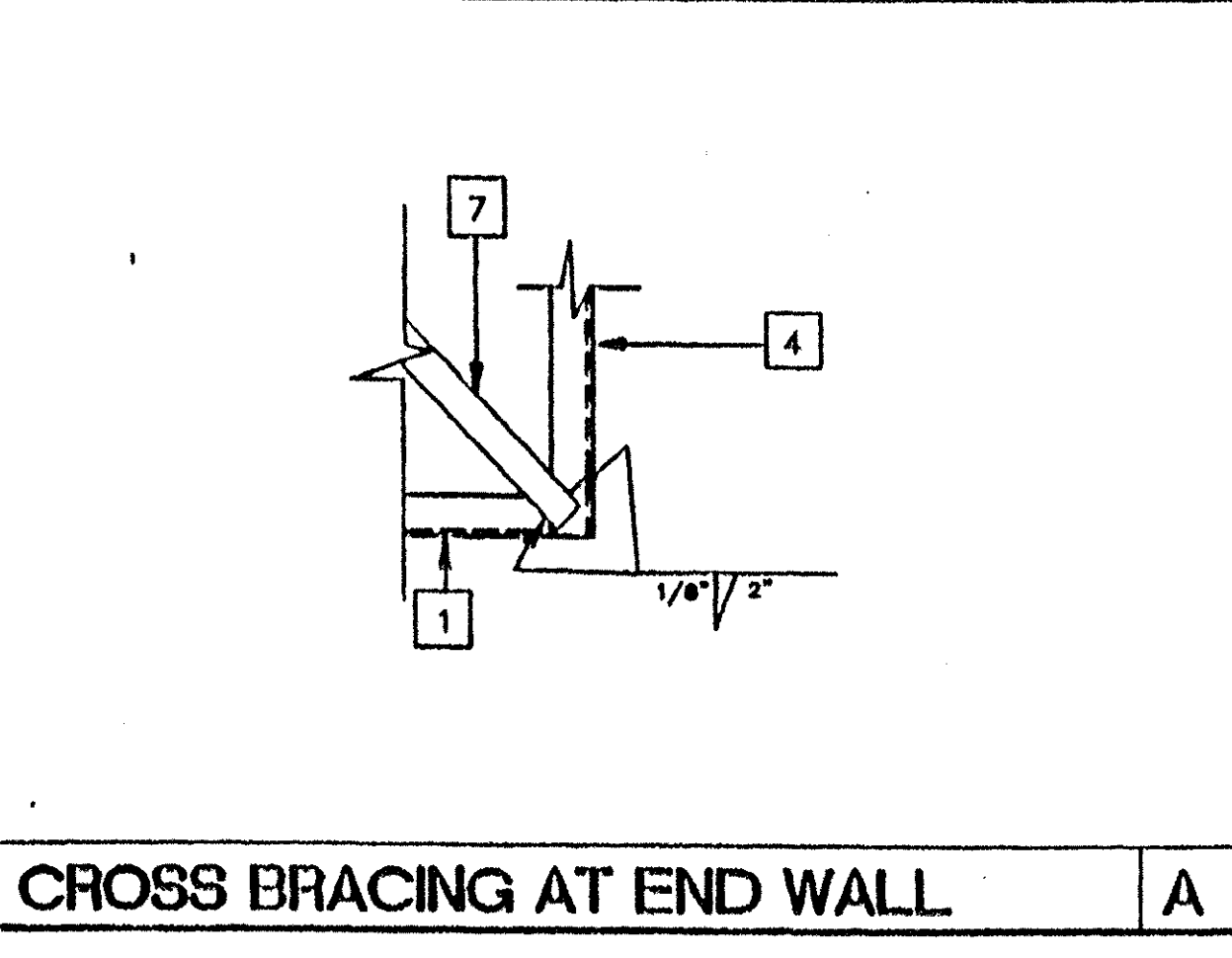
LT HAND FRAME FRONT RT HAND FRAME

ROOF FRAMING PLAN - DUAL PITCH

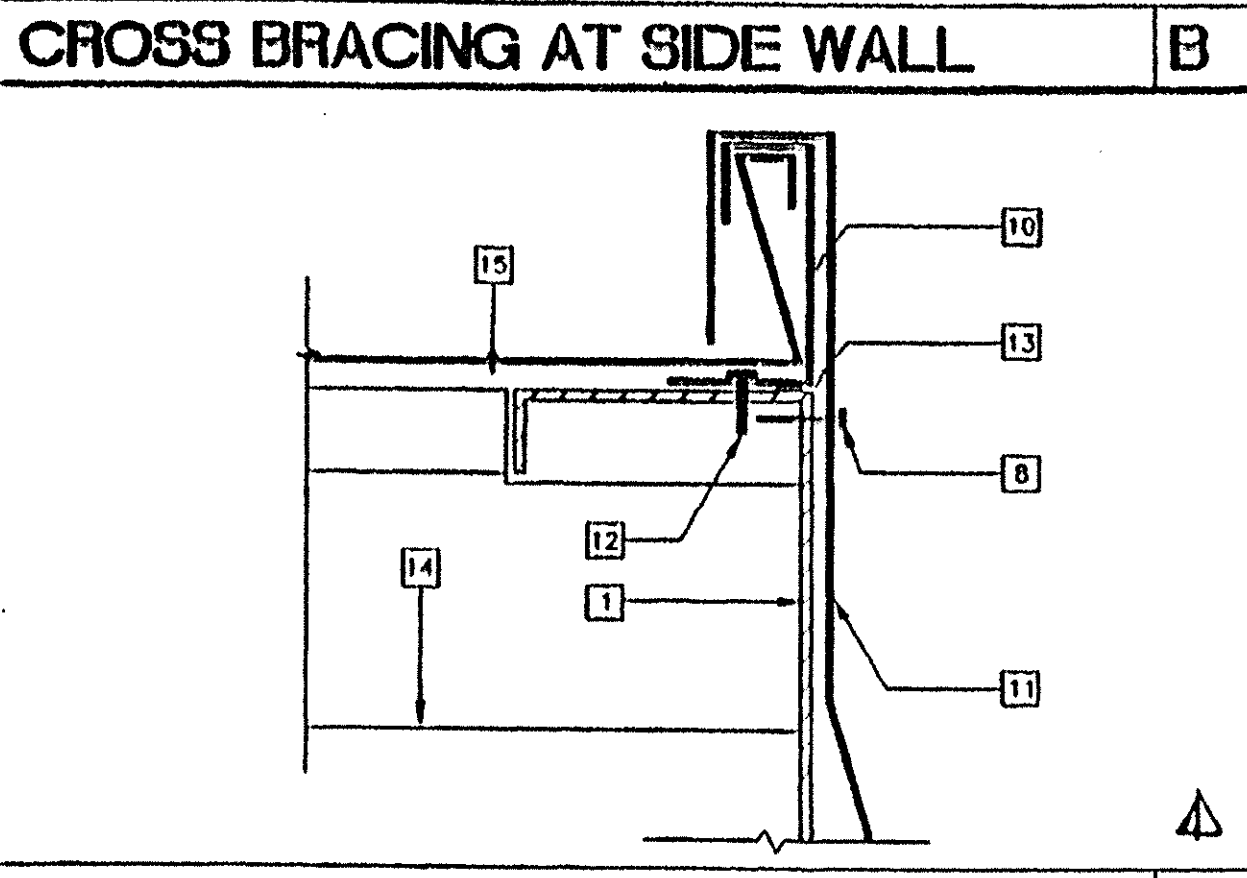
SCALE 1/4"=1'-0"



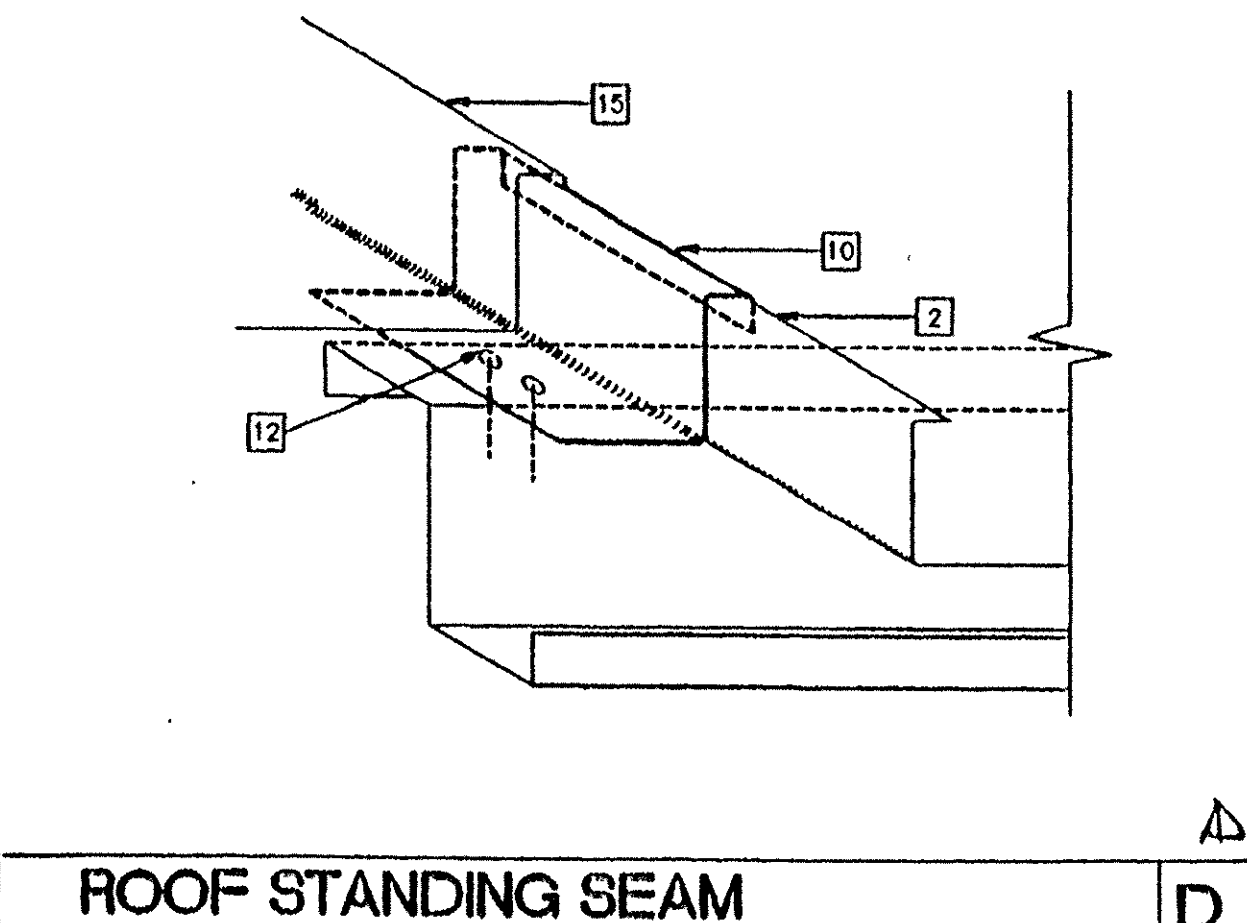
ROOF CAP AT MODLINE (ALTERN.) E



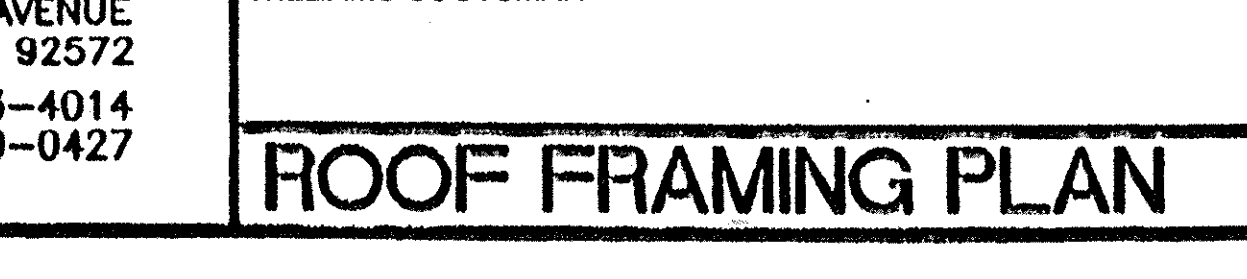
CROSS BRACING AT END WALL A



CROSS BRACING AT SIDE WALL B



ROOF FLASHING AT SIDE WALL C



ROOF STANDING SEAM D

- KEY NOTES**
- 1 C 14 X 12GA. □ HEADER
 - 2 6"X2 1/2X14GA. L ROOF PURLIN SEE PLAN FOR SPACING
 - 3 22GA. STANDING SEAM ROOFING ATTACH ROOFING TO ROOF CLIP W/#14X3/8" STMS WITH NEOPRENE WASHERS. SPACING: 4'-0" O.C.
 - 4 TAPERED ROOF BEAM 10GA. □ SEE 7/S2.1
 - 5 RIDGE-LINE
 - 6 11/16" DRILL SEE DETAIL 1/S1.2
 - 7 2" X 20GA. STRAP CROSS BRACING TACK WELD TO EA. PURLIN
 - 8 #14 X 3/4" STSMS AT ROOF HEADER W/NEO. WASHER - 3 PER PAN MAX. 6" O.C.
 - 10 22 GA STARTER/END ROOF CLIP - C/S2.01
 - 11 26 GA GALVANIZED IRON FLASHING AT SIDEWALL - C/S2.01
 - 12 (2) AKN .144 KNURLED DRIVE PINS - ROOF CLIP TO PURLIN ROOF BEAM OR HEADER
 - 13 1/4" CONTINUOUS BEAD OF SEALANT AROUND ENTIRE PERIMETER OF FRAME
 - 14 ROOF PURLIN (STR)
 - 15 22 GA STANDING SEAM ROOF PAN

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DATE: 06/08/2023

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 104310
AC FLS []
DATE JUN 9 2002

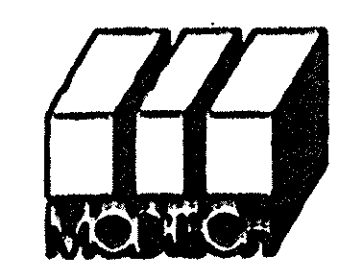
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AC FLS []
DATE JUN 9 2002~~

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OFFICE OF REGULATION SERVICES
04 104310
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DATE MAR 03 2002~~

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OFFICE OF REGULATION SERVICES
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DATE MAR 21 2002~~

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MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

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DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

ROOF FRAMING PLAN w/ FASCIA

S2.0

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal
1. CORRECT PURLIN SPACING				



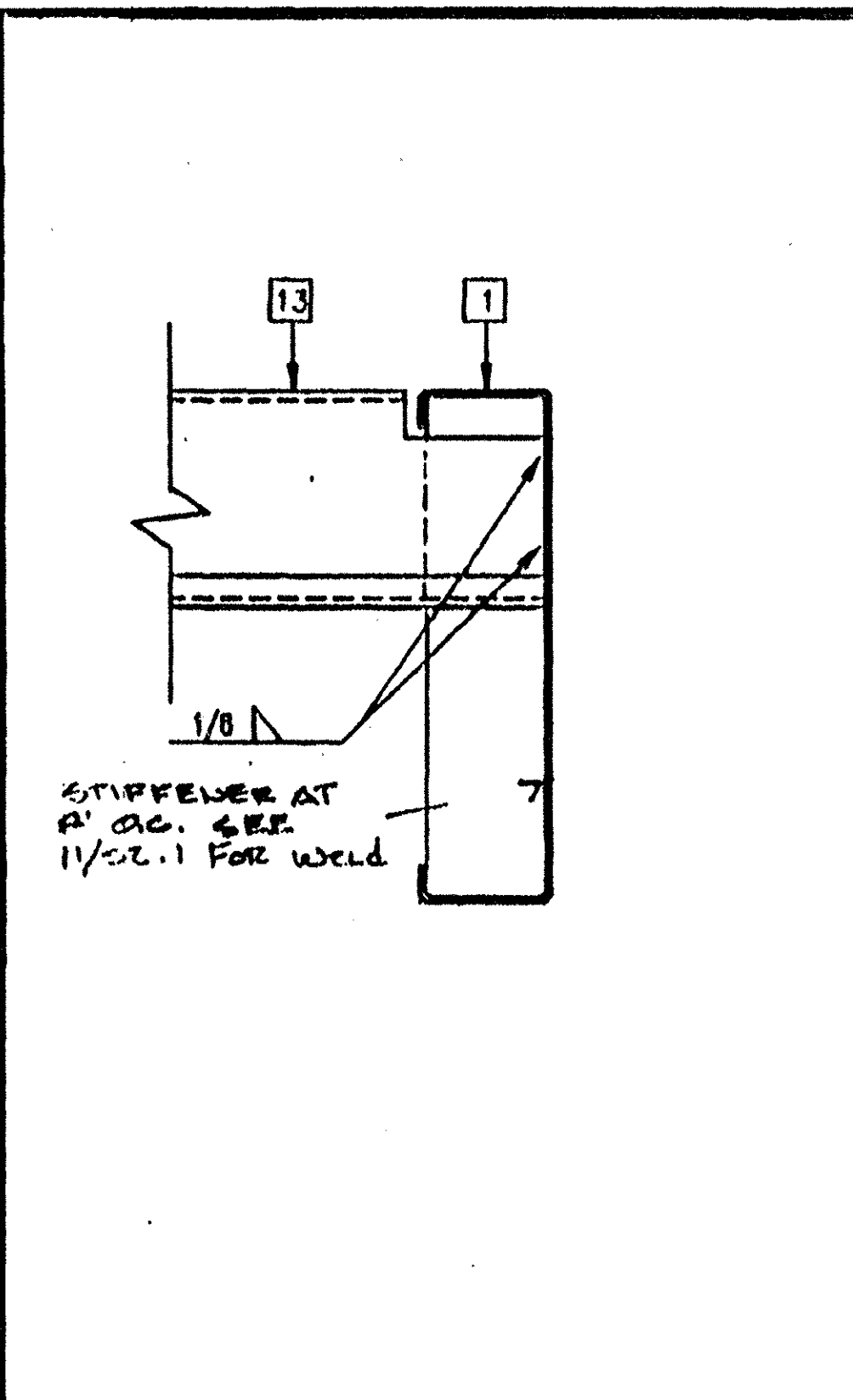
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OFFICE OF REGULATION SERVICES
PC-04
10410
AC FLS []
DATE JUN 25 1999

PROJECT NO. 4097
FILE PATH: 2440-0-S2-C01019

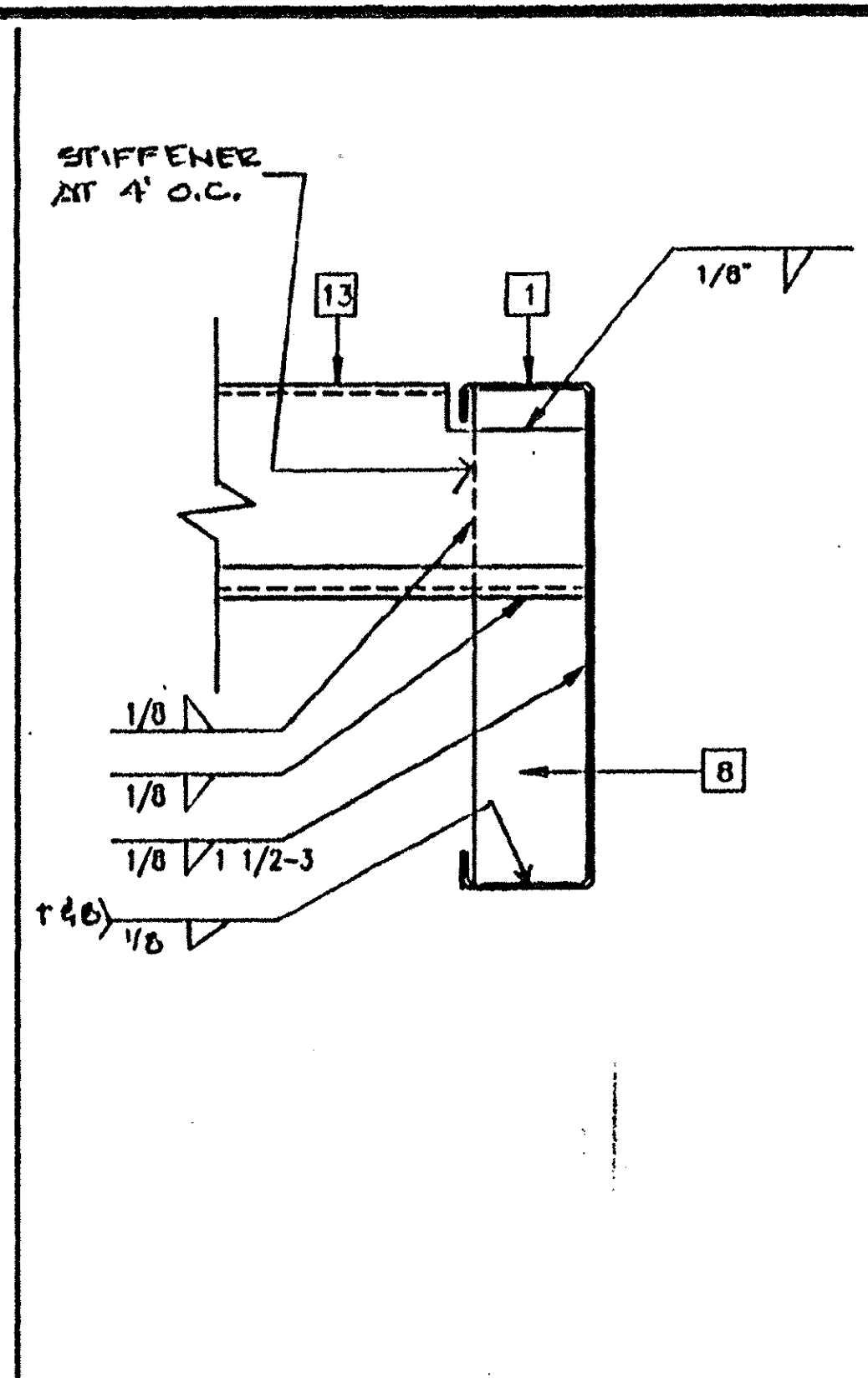
IDENTIFICATION STAMP
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 APP: 03-123037 INC.
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 SS FLS ACS
 DATE: 06/08/2023

KEY NOTES

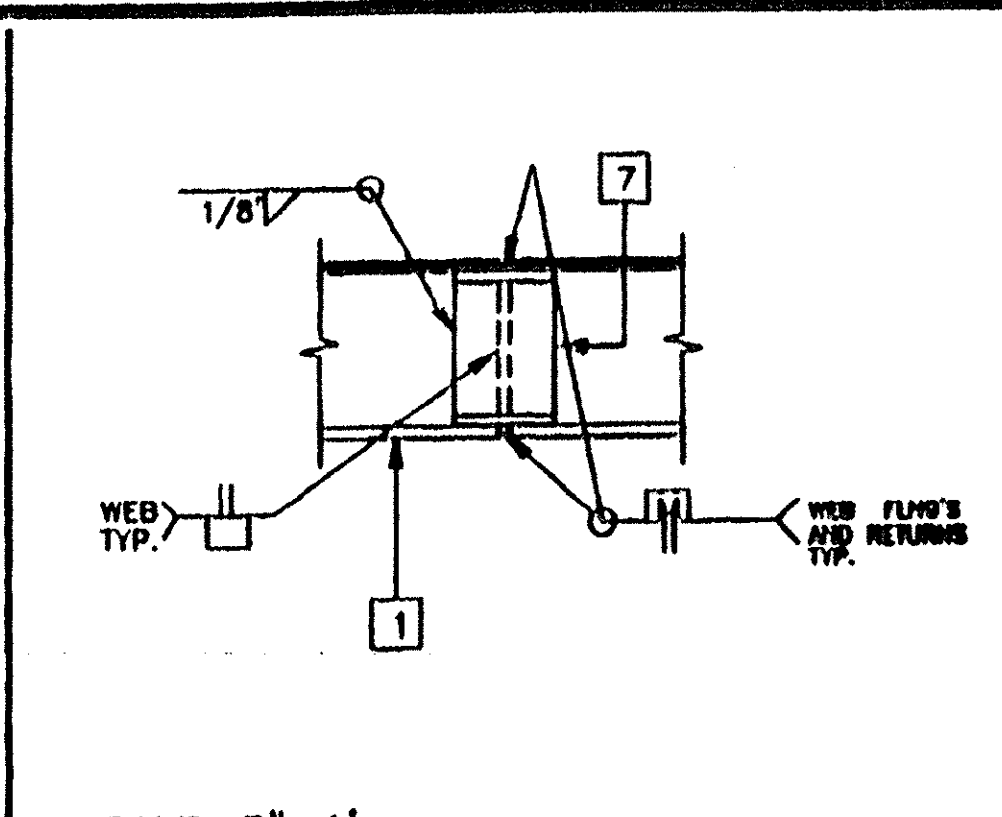
- 1 10GA. TAPERED RF. BM. SEE
- 2 NOT USED
- 3 TS 3 1/2"x3 1/2"x1/4" COLUMN
- 4 14"x10GA. RF. HDR. SEE 3/S2.1
- 5 NOT USED
- 6 FLOOR JOIST SEE 6/S2.1
- 7 10GA. BENT PLATE BACK-UP
- 8 STIFFENER PLATE 3"x1/4" THICK AT 4'-0" OC
- 9 #10 STSMS @ 6" O.C. (SEE S1.0)
- 10 PLYWOOD FLR. SHEATHING
- 11 FLOOR BEAM SEE 5/S2.1
- 12 NOT USED
- 13 J 6" X 2 1/2" X 14GA PURLIN
 ALT: J 4" X 3" X 12GA



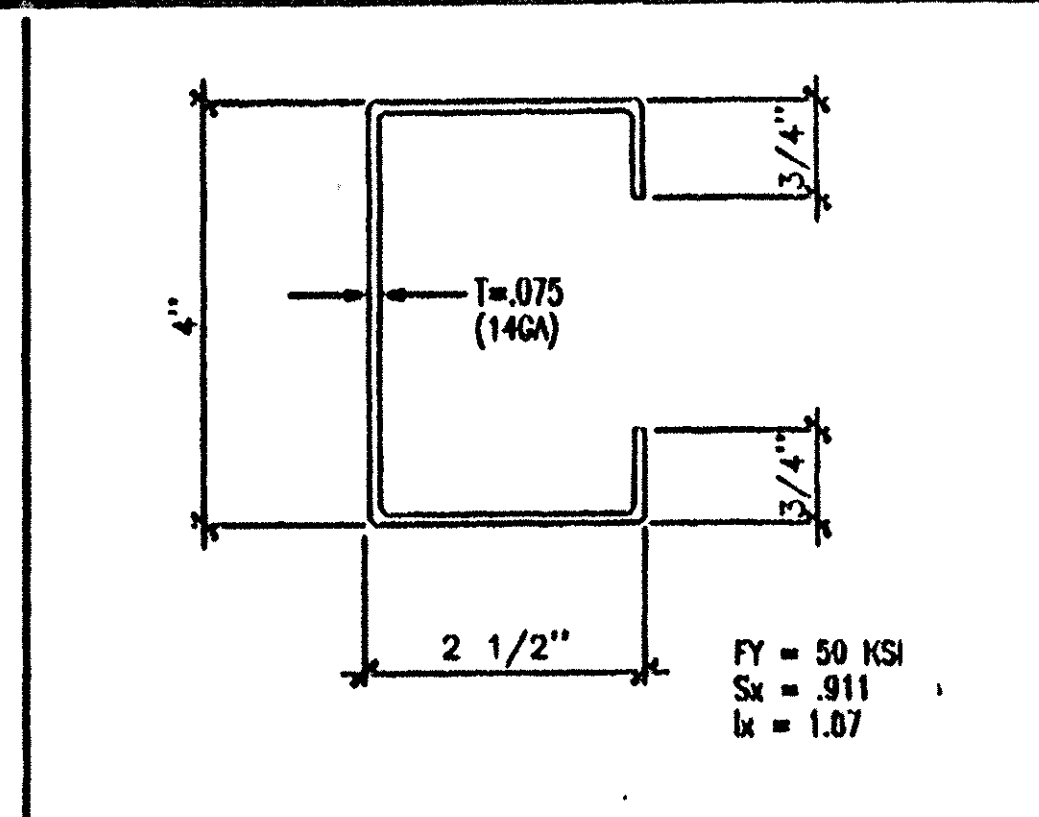
PURLIN AT MOD LINE WALLS 13



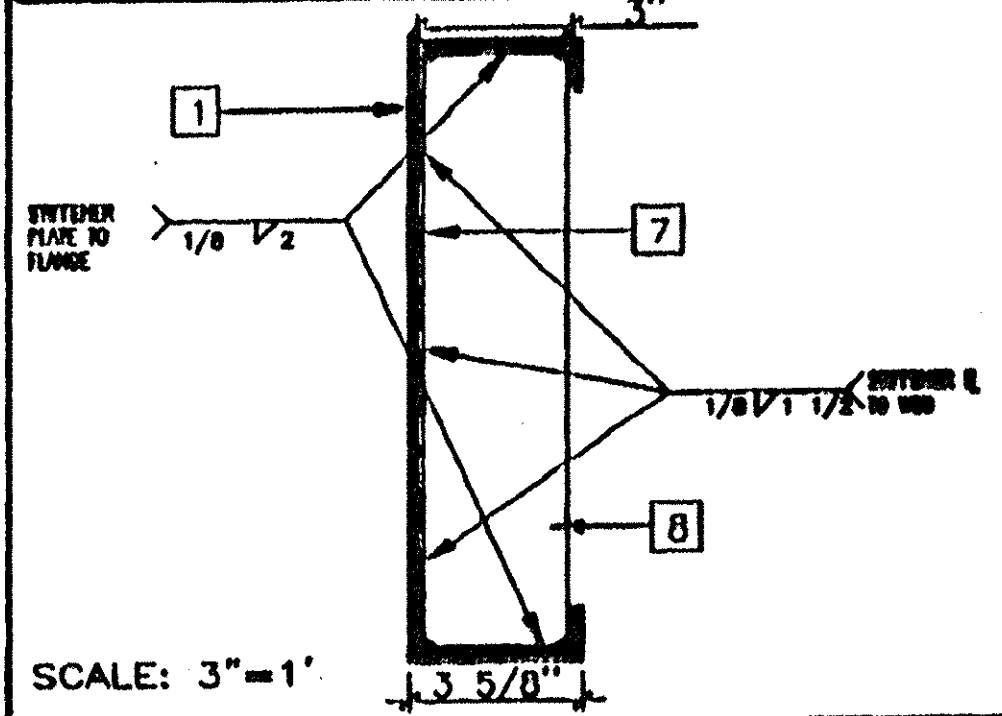
PURLIN AT EXT. SIDE WALLS 11



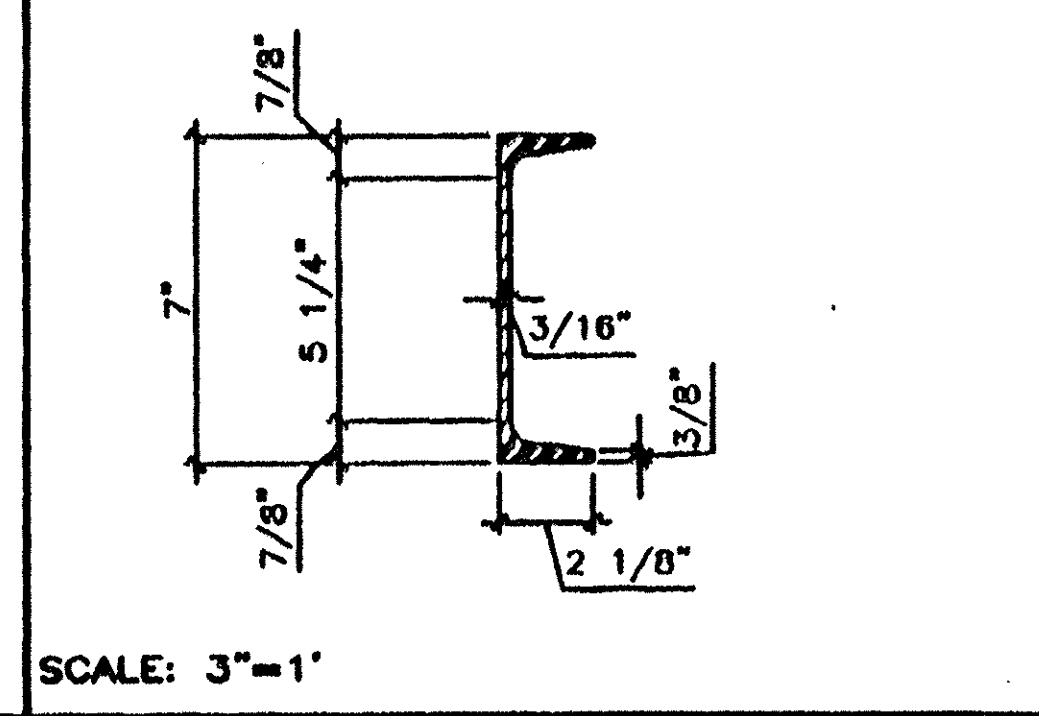
BEAM SPLICE AT RIDGE 8



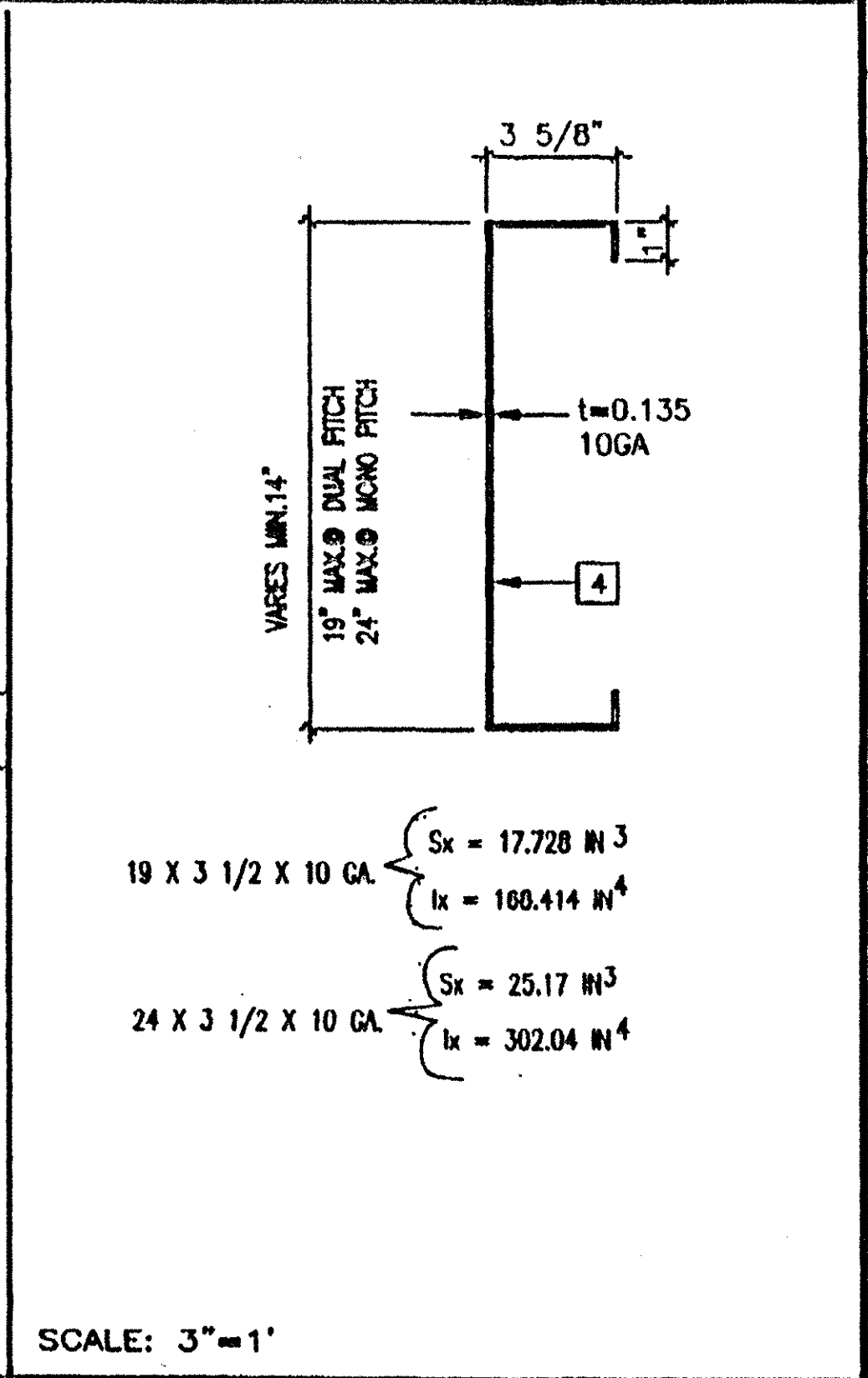
OPTIONAL FACIA AT 5' OVERHANG BM. 4



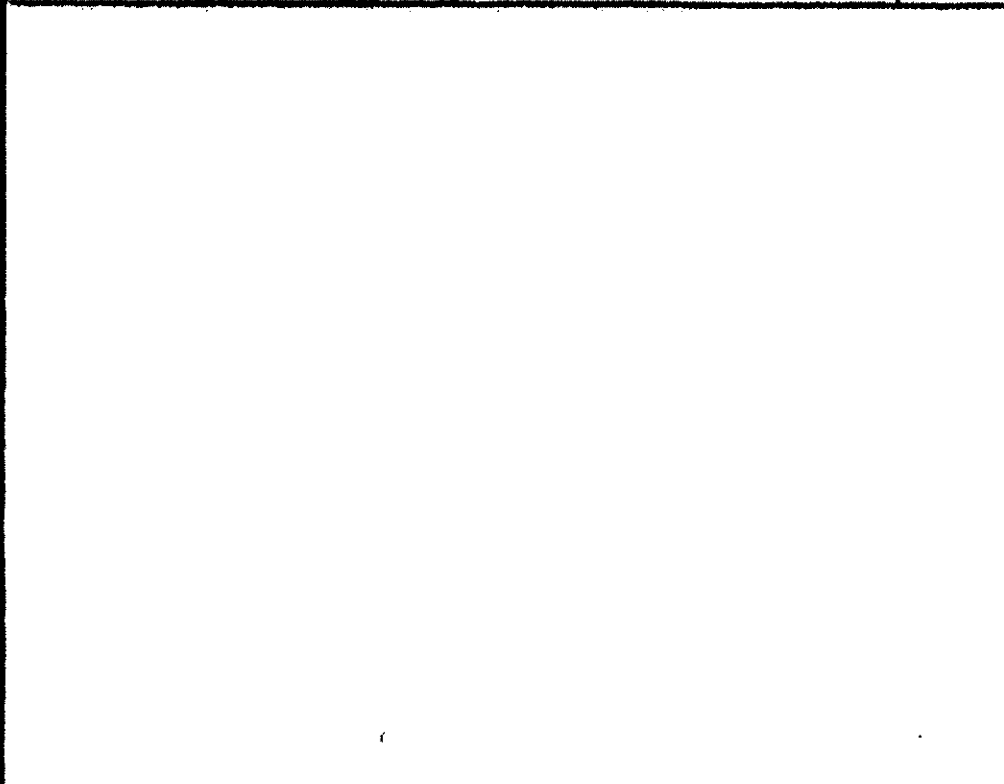
BEAM SPLICE W/STIFFENER 9



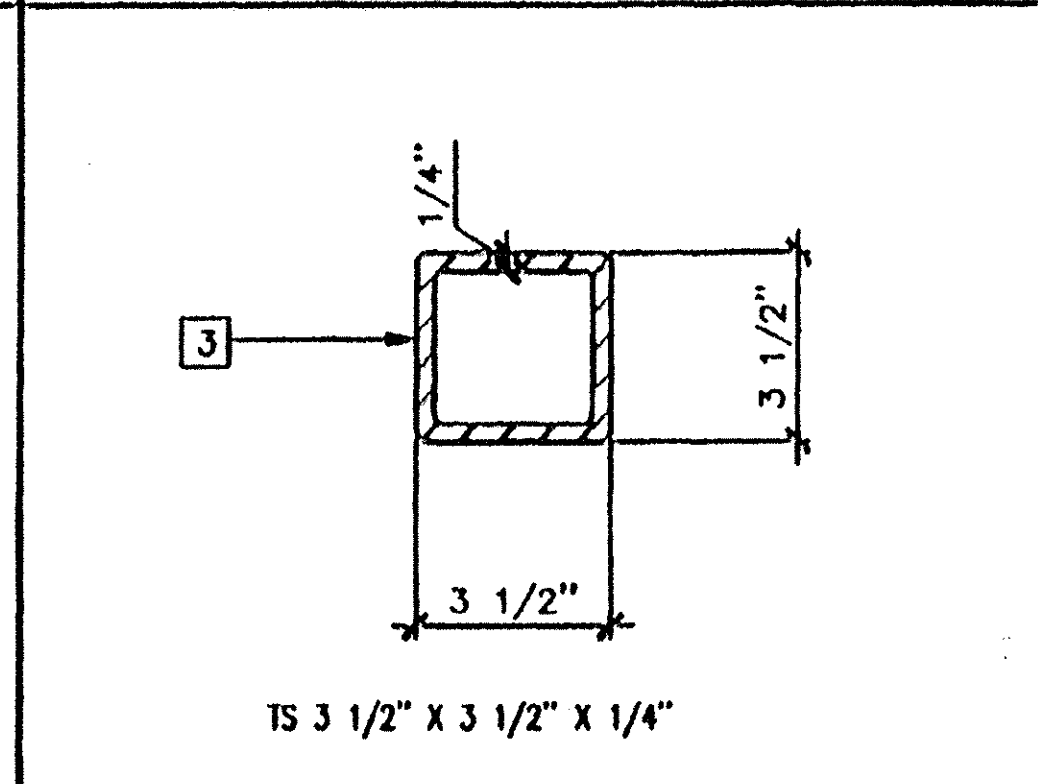
FLOOR BEAM C7X9.8 5



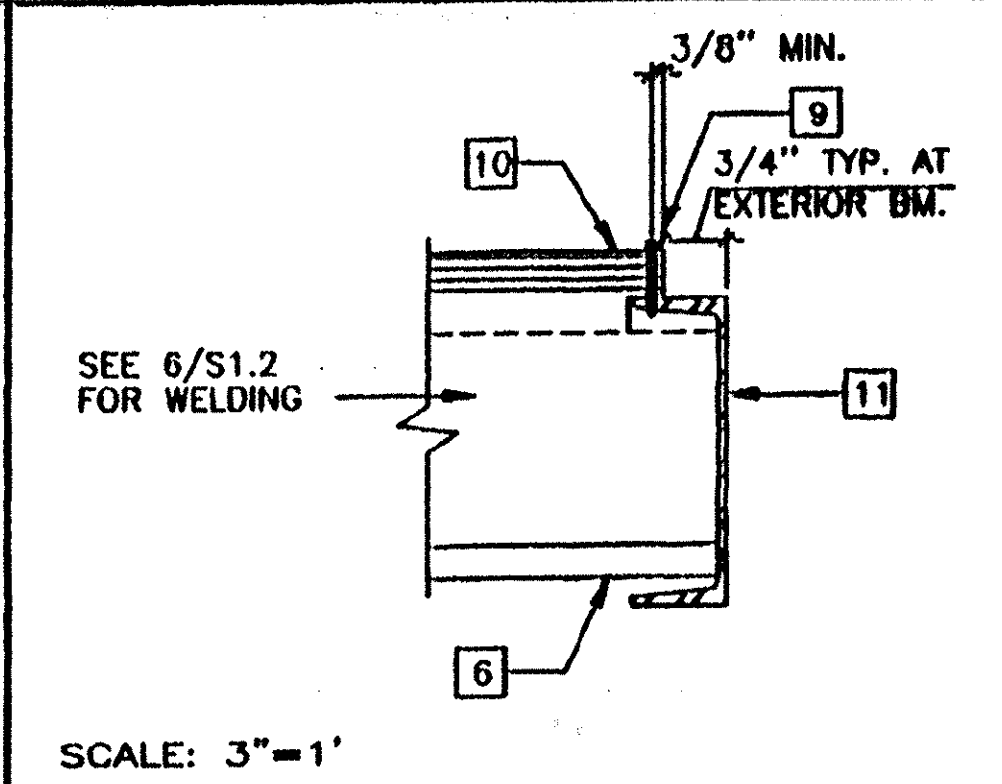
TAPERED ROOF BEAM 1



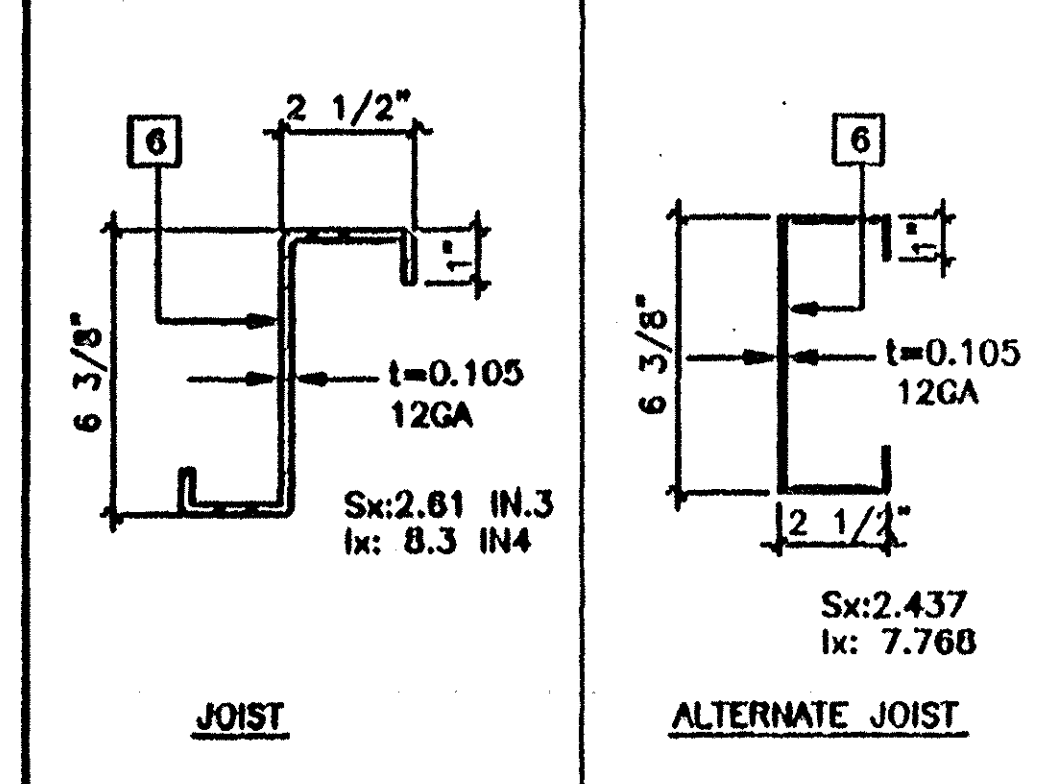
CORNER COLUMN 12



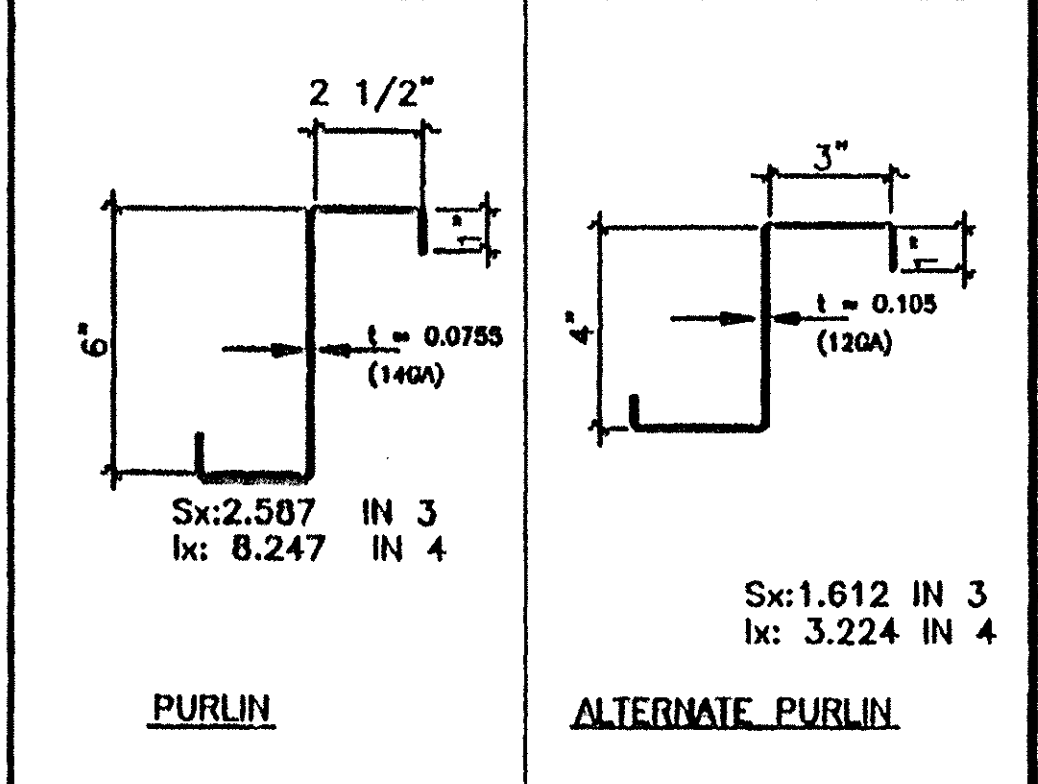
FLR JOIST AT FLOOR BEAM 10



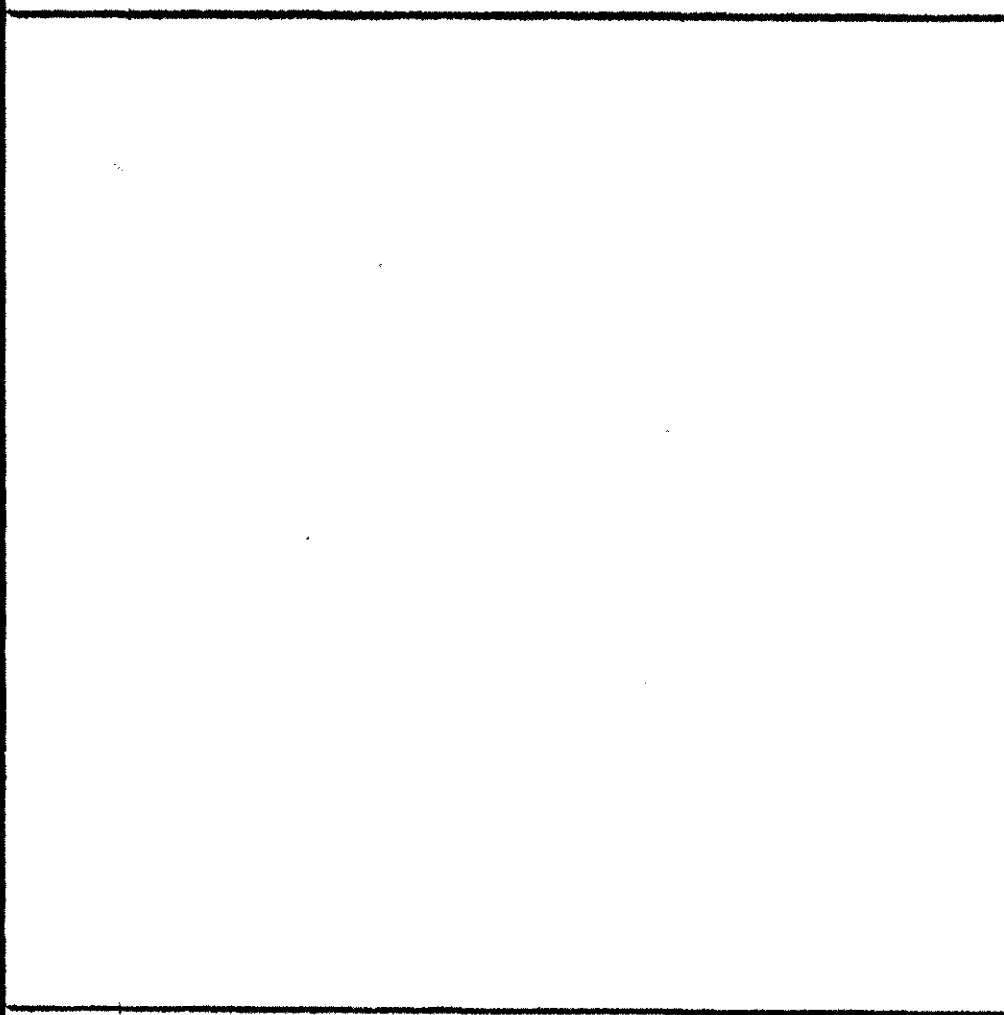
FLOOR JOIST 6



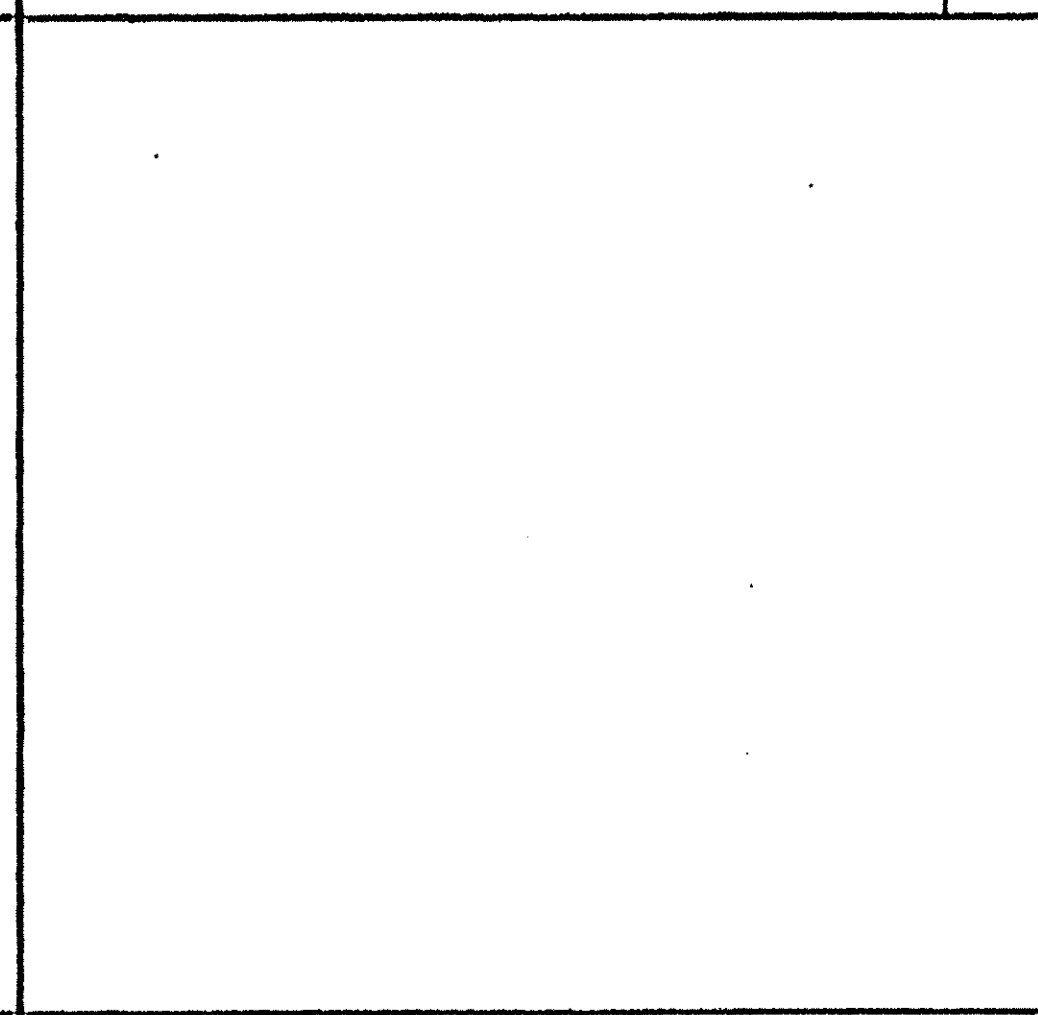
ROOF PURLIN 3" - 1'-0" 2



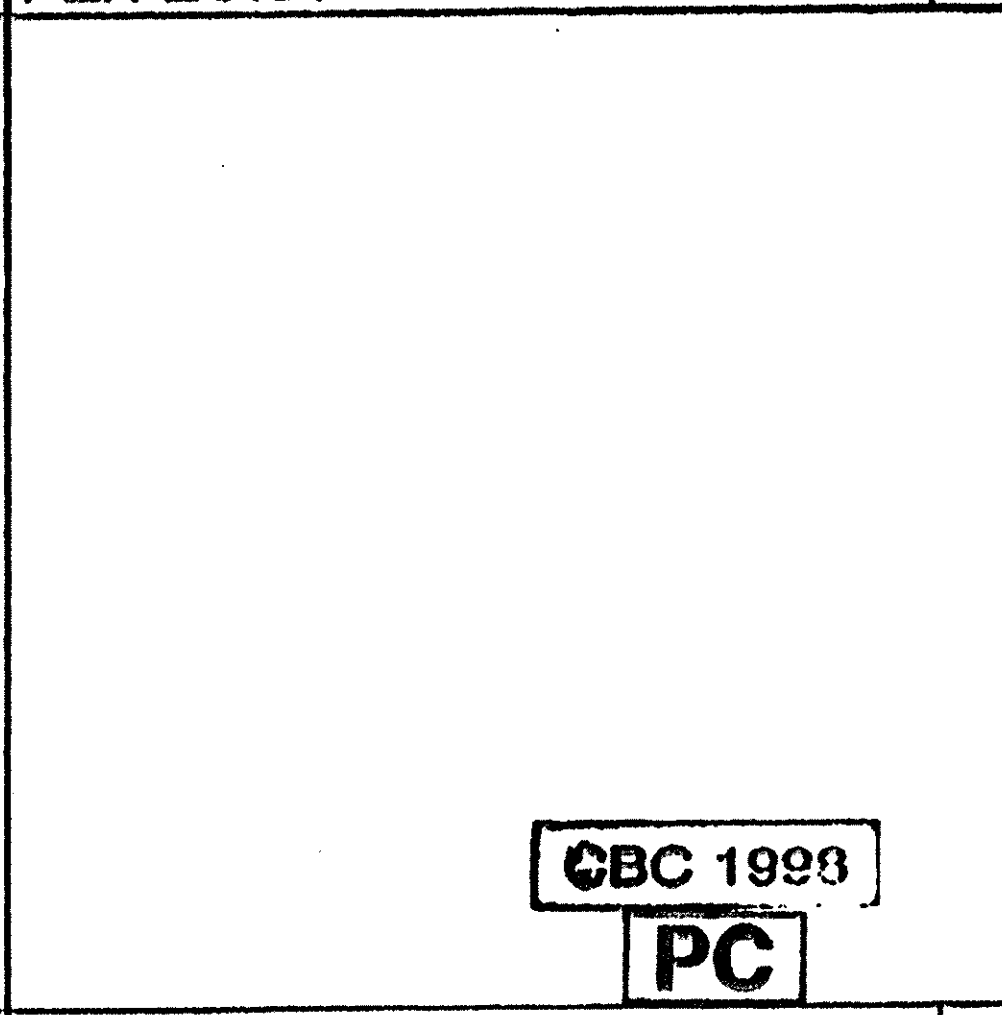
ROOF PURLIN 3" - 1'-0" 2



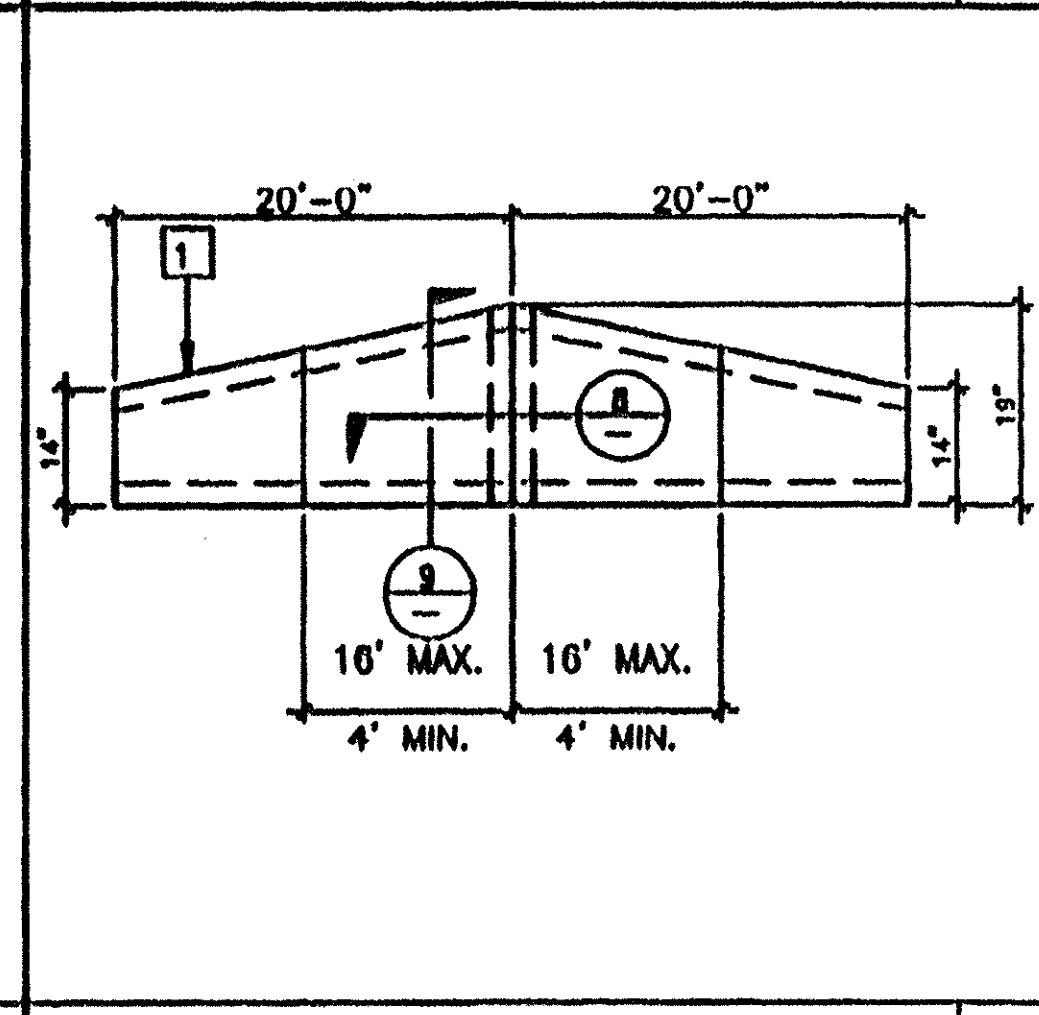
BM. SPLICE • RIDGE (DUAL SLOPE) 7



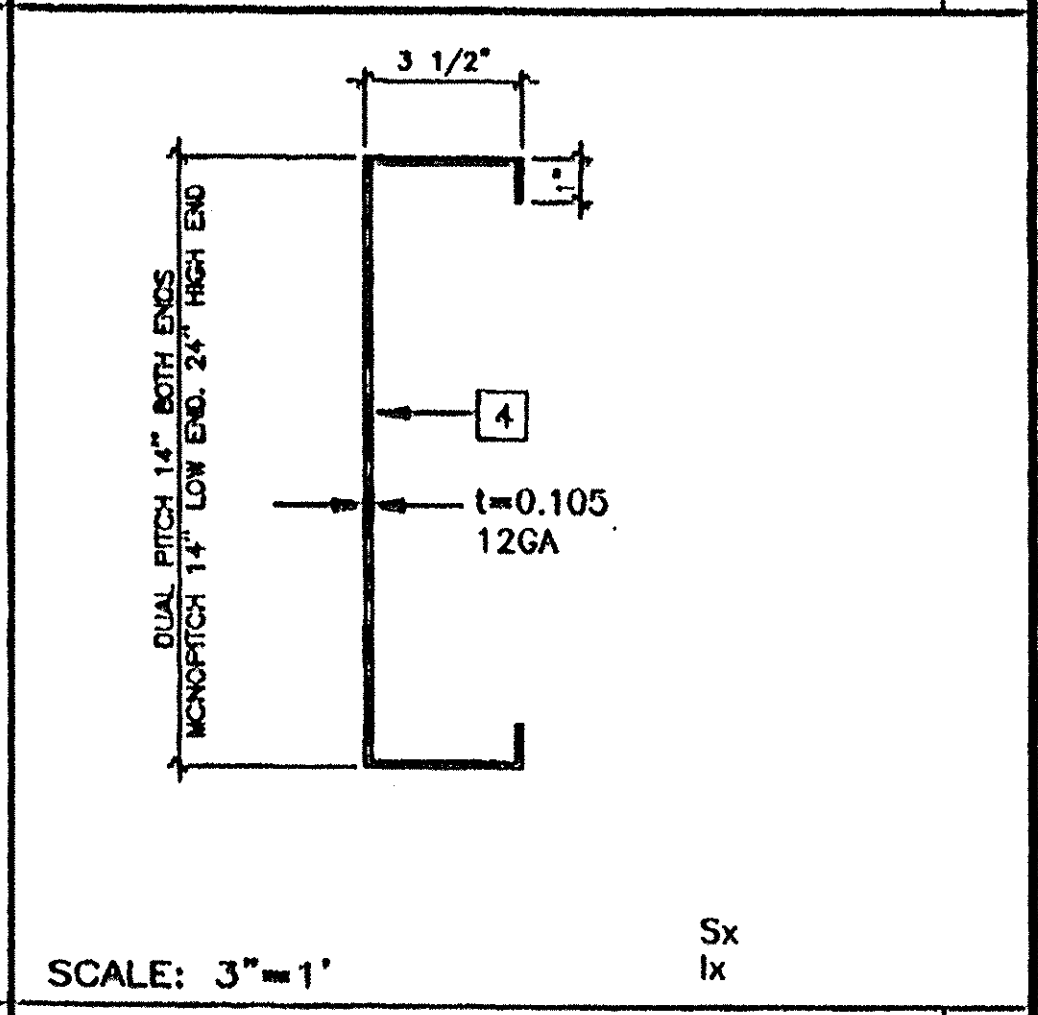
ROOF HEADER 3



FLOOR JOIST 6



ROOF PURLIN 3" - 1'-0" 2



BM. SPLICE • RIDGE (DUAL SLOPE) 7

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 AC FLS
 DATE JUN 06 2002

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 04 100775
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 AC FLS
 DATE MAR 21 2002~~

REVISIONS

1		
2		
3		
4		
5		

Electrical Engineer's Seal
 Mechanical Engineer's Seal



Architect Seal

EXPIRATION YEAR
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC-04
 10MIN
 AC FLS
 DATE JUN 06 2002

MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
 WILLIAMS SCOTSMAN
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DRAWN BY: WJO
 DATE: 3/6/02
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 DATE:
 MODIFIED FROM NO.
S2.1

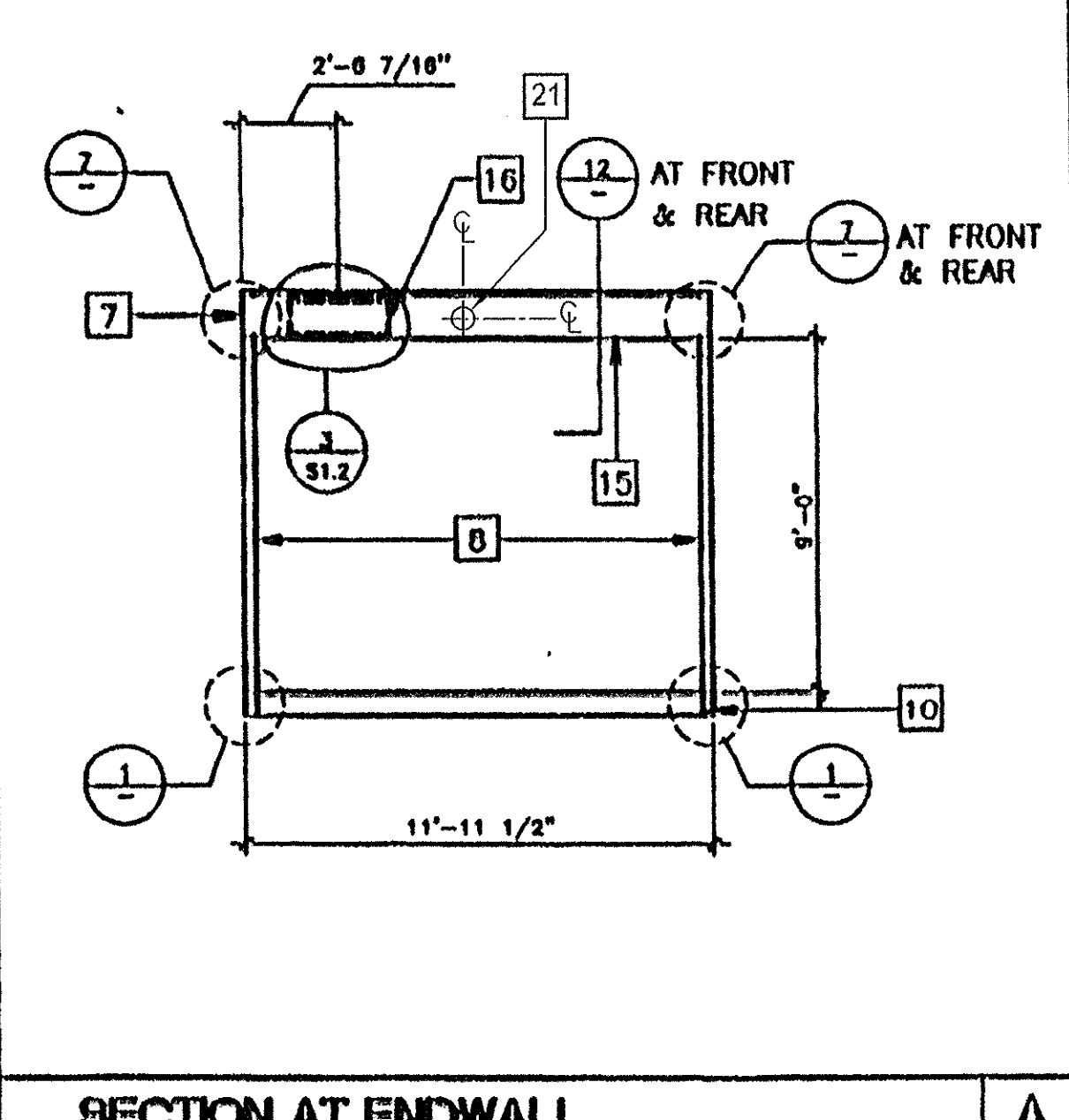
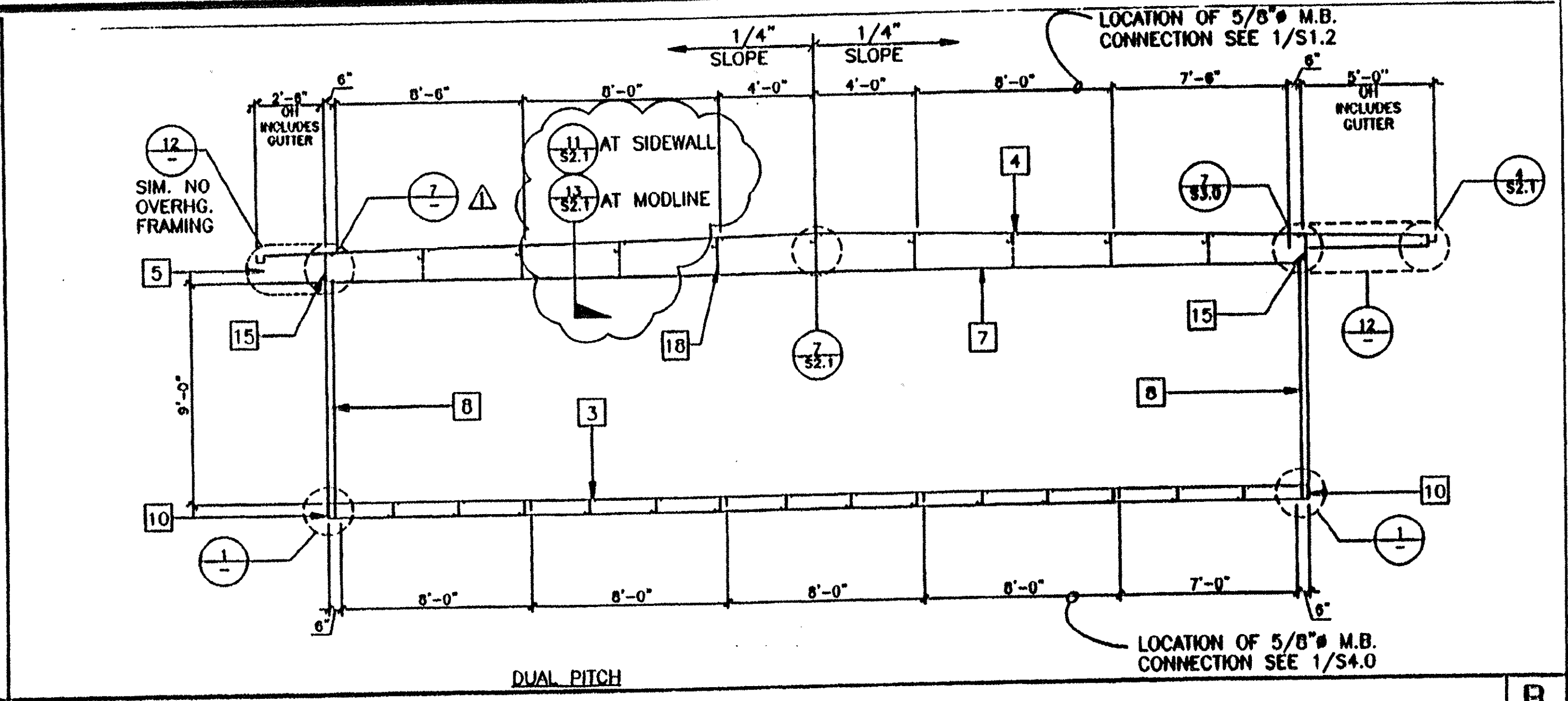
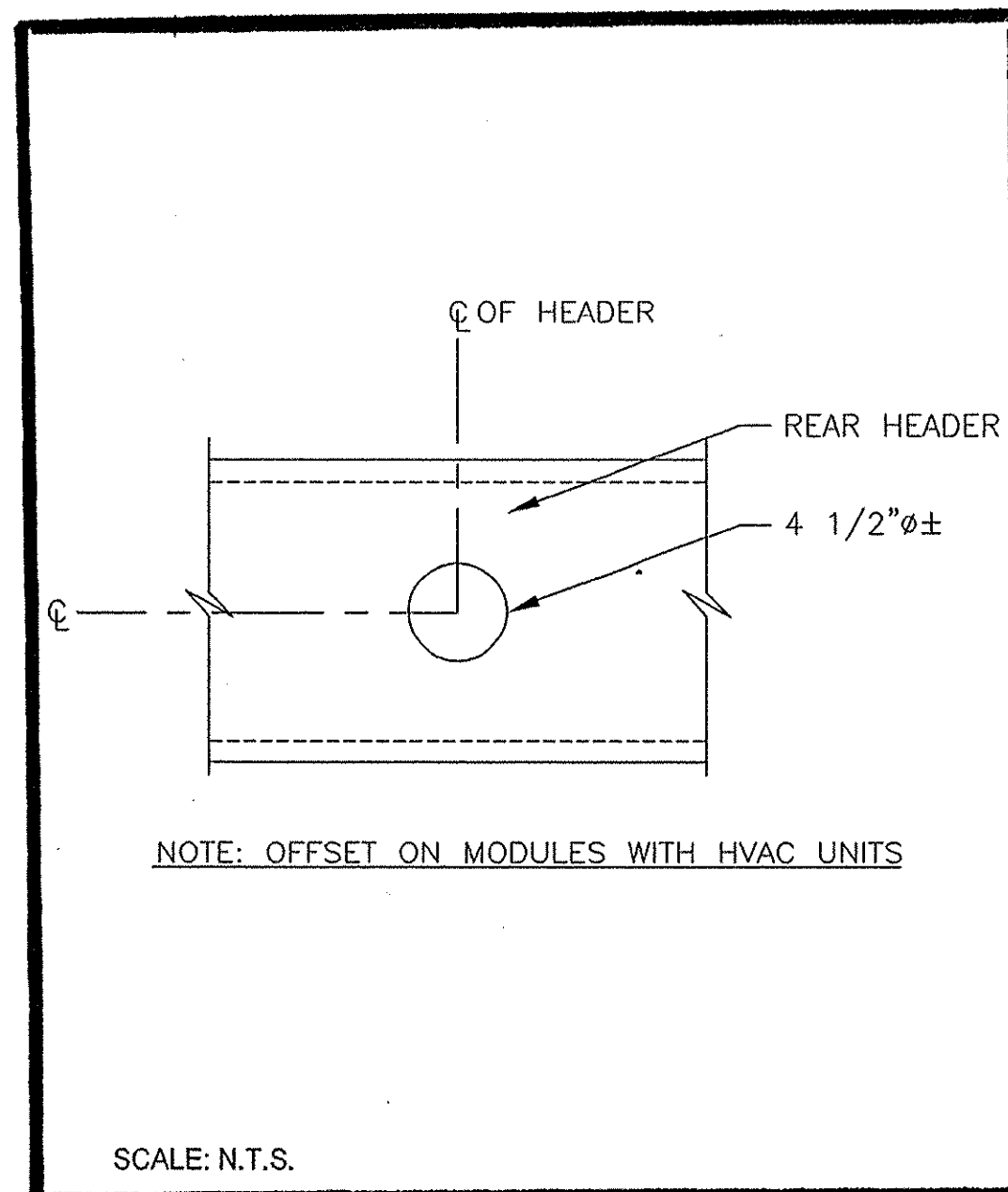
STRUCTURAL DETAILS

FILE PATH: 2440-0-S2-T.DWG PROJECT NO. 4097

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 APP: 03-123037 INC:
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 SS FLS ACS
 DATE: 06/08/2023

KEY NOTES

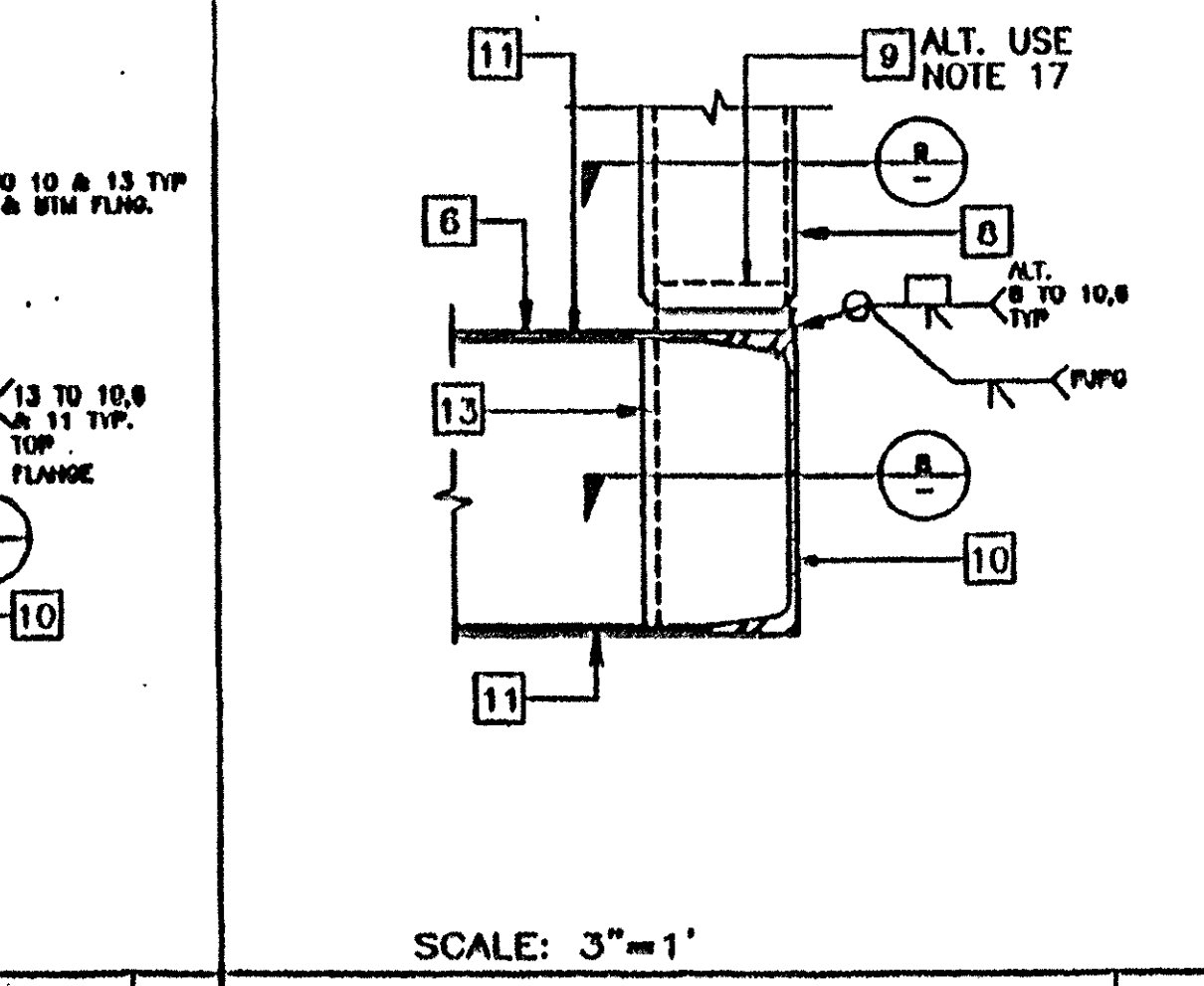
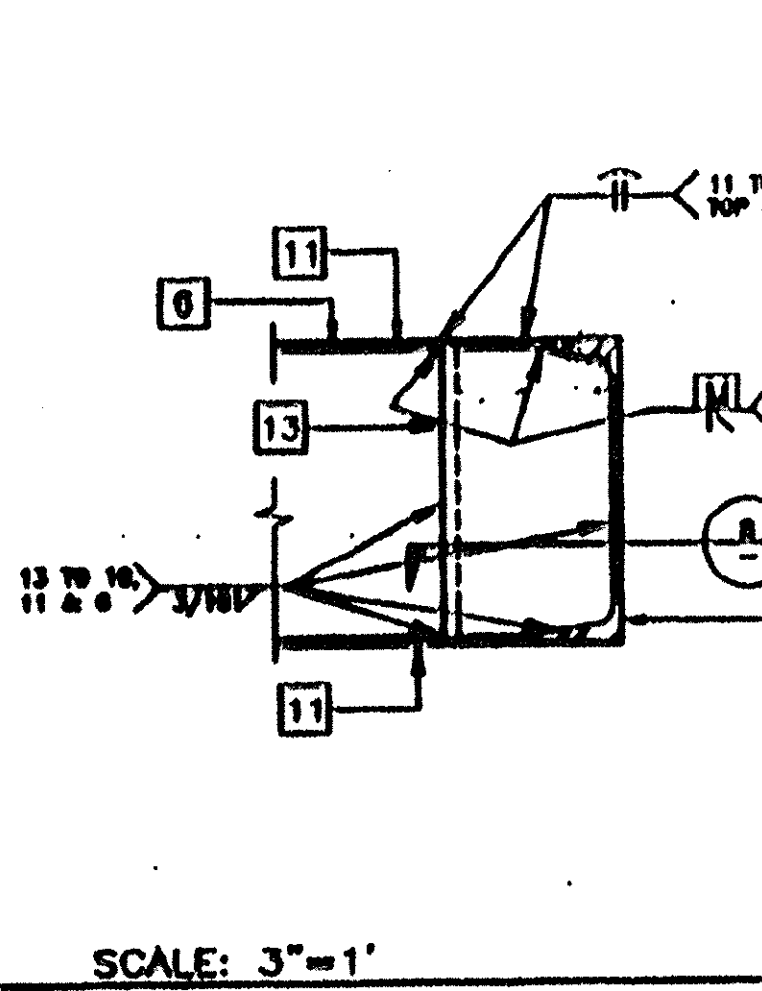
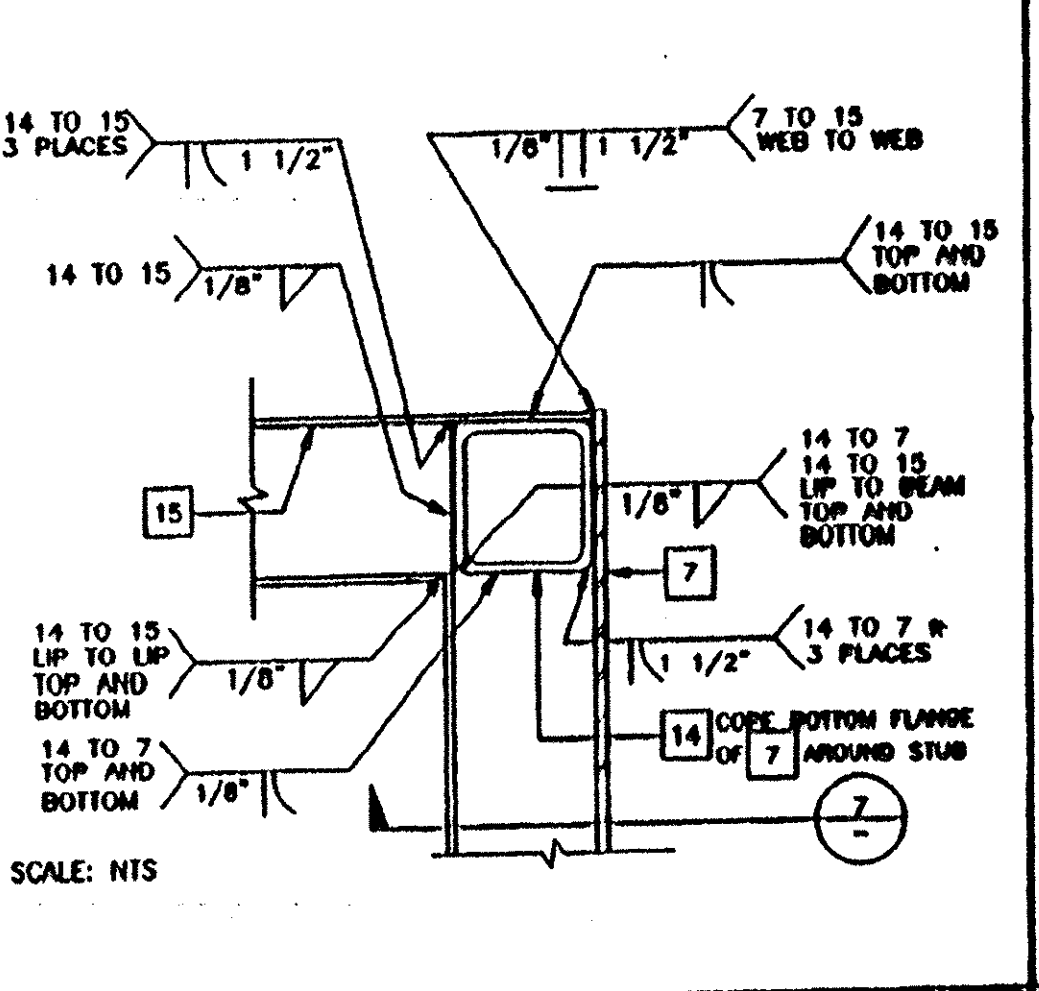
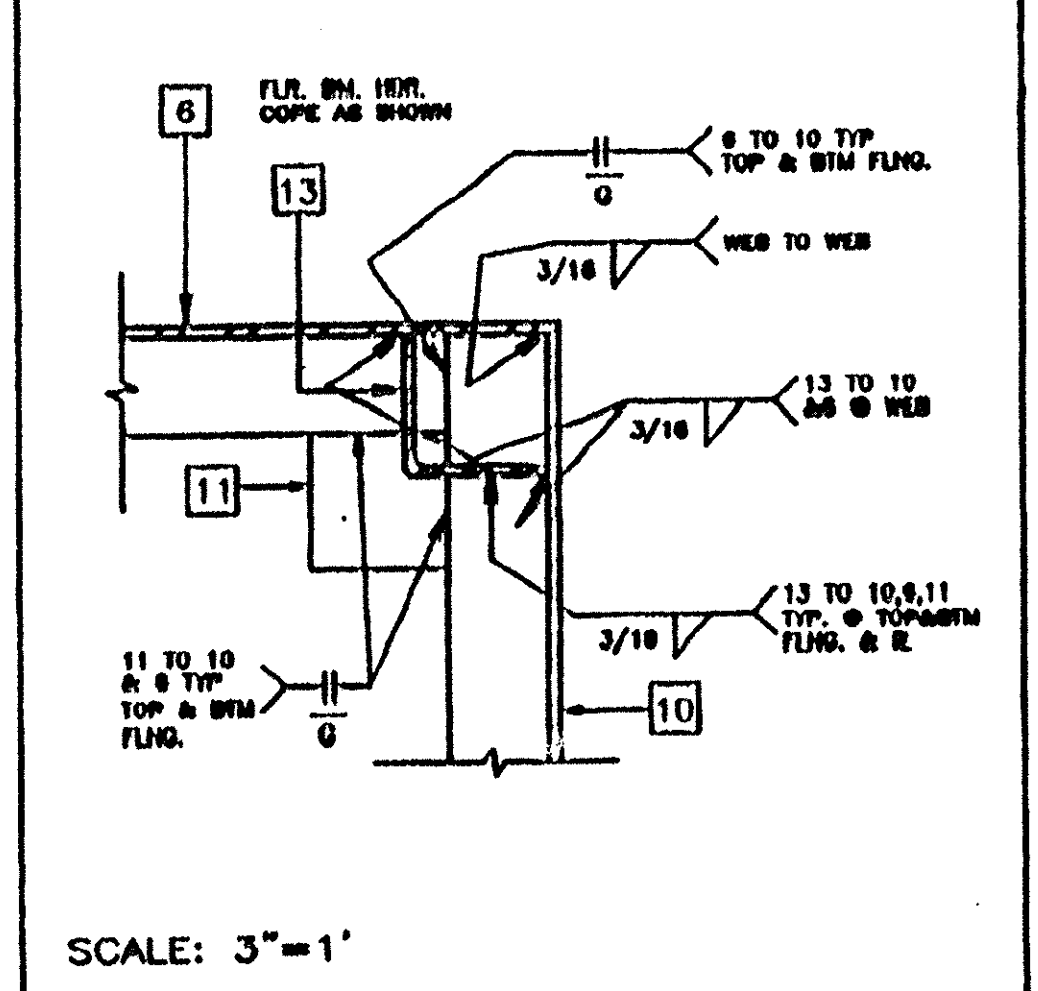
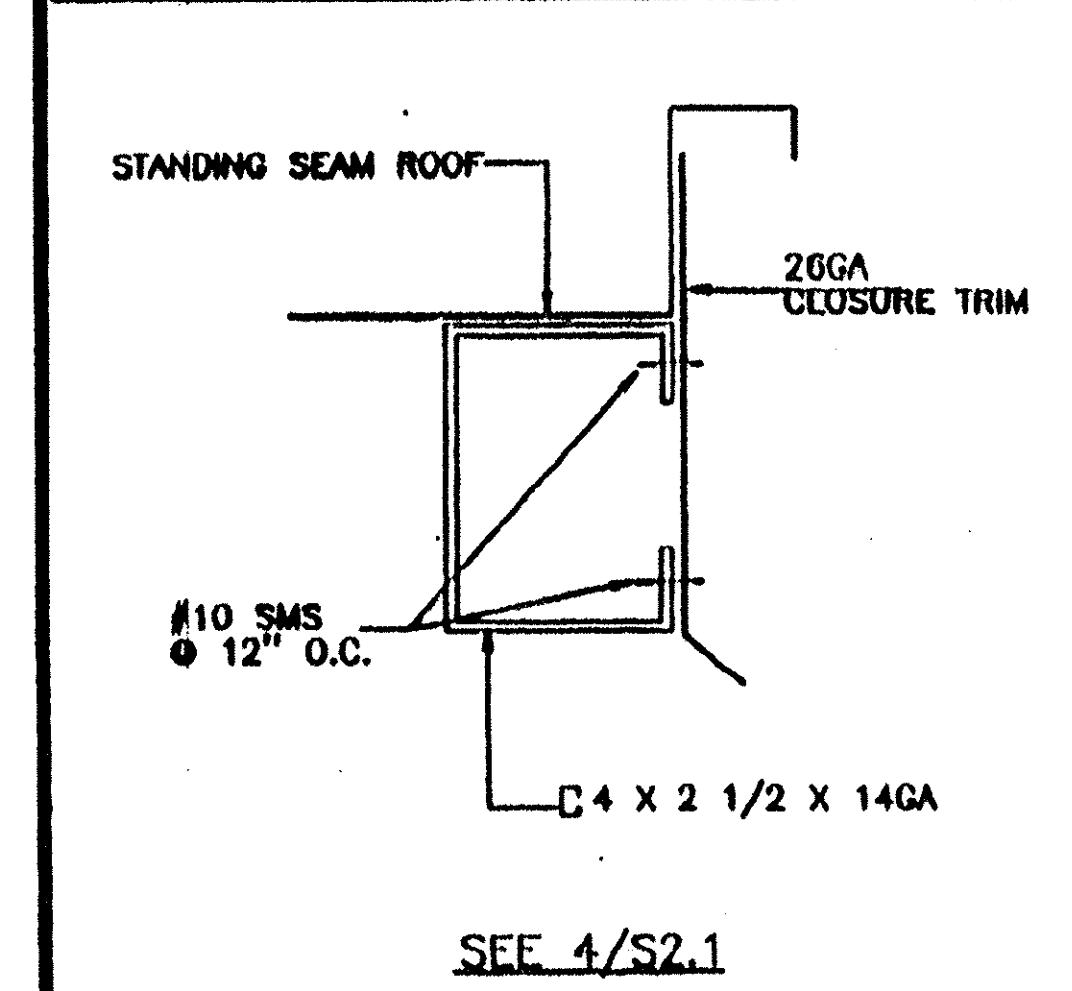
- 1 EN \emptyset PLYWOOD EDGES
- 2 22GA STANDING SEAM ROOF
- 3 6 3/8"x2 1/2"x12GA. FLR. JOIST 6/S2.1
- 4 6X2 1/2"x14GA. ROOF PURLIN 2/S2.1
- 5 3"x3"x3"x20GA ROOF END CLOSURE W/#10 STMS W/NEOPRENE WASHER TOP & BOTT.
- 6 [7 X 9.8 FLOOR HEADER
- 7 [10 GA. TAPERED ROOF BEAM (SEE 3/S2.1) OR 12/S2.1 REFER TO RF. FRAMING PLAN
- 8 T.S. 3 1/2"x3 1/2"x1/4" COLUMN
- 9 BACK-UP PLATE MIN. 10 GA.
- 10 [7X9.8 FLOOR CHANNEL -
- 11 3 1/2"x3 1/2"x1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
- 12 NOT USED
- 13 3 1/2"x3 1/2"x1/4 STIFFENER ANGLE COPE TO FIT C7 X 9.8
- 14 STIFFENER TS 3 1/2"x3 1/2"x1/4
- 15 [14"x3 1/2"x12GA. HEADER (SEE 3/S2.1)
- 16 LOCATION OF HVAC OPENING
- 17 3"x3"x1/4" THICK X 1/2" LONG INSERT POST
- 18 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC AT EXTERIOR SIDEWALLS ONLY FOR 80 MPH DESIGN WIND LOAD ONLY. AND 8' O.C. AT INT. MOD LINES.
- 19 1/4" BASE PLATE-INSERT FLUSH WITH STIFFENER TUBE
- 20 (1) 3"x3"x10 GA TUBE STEEL BACK-UP TUBE OR (4) 10 GA BACK-UP PLATES
- 21 ATTIC RELIEF VENT 4 1/2" \emptyset HOLE



ATTIC RELIEF VENT 10

SECTION AT SIDEWALL B

SECTION AT ENDWALL A



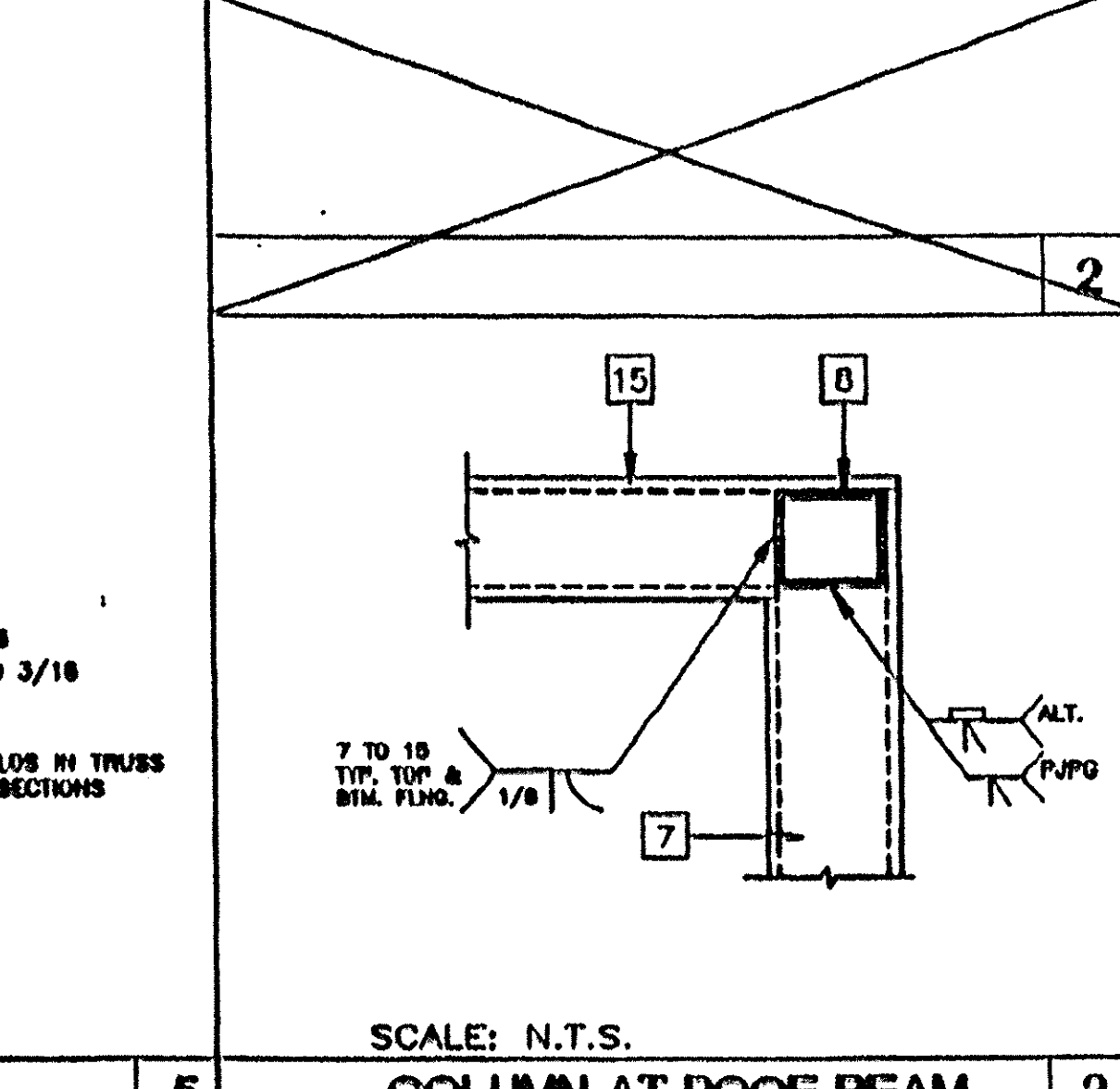
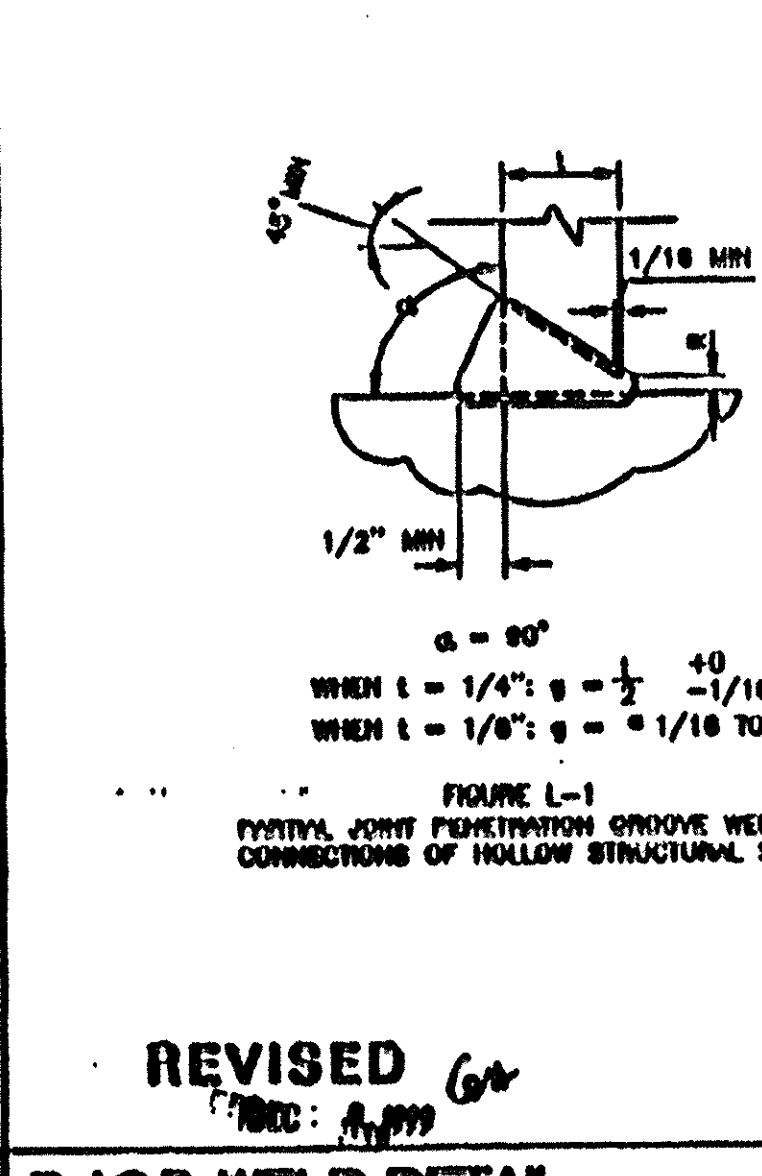
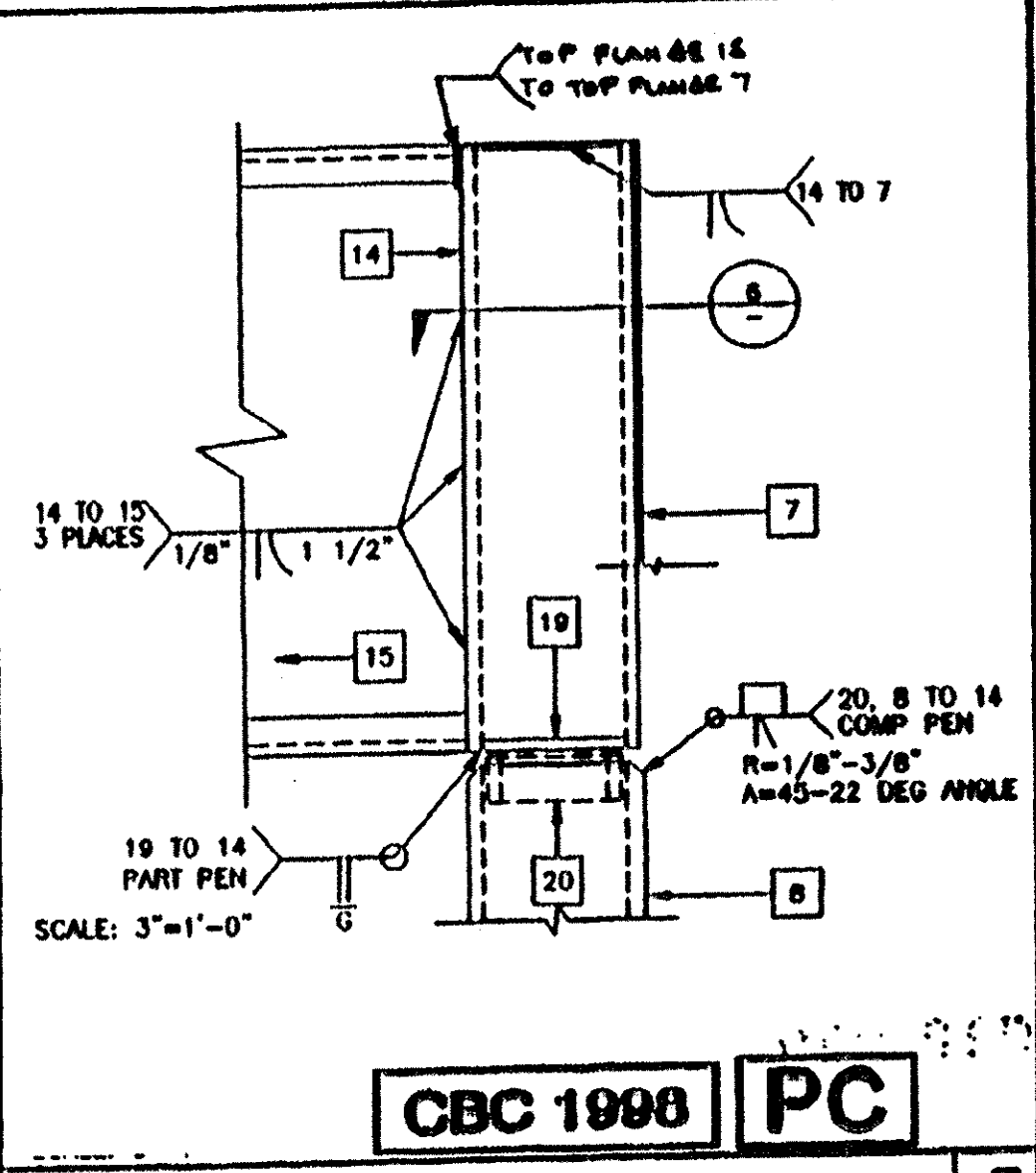
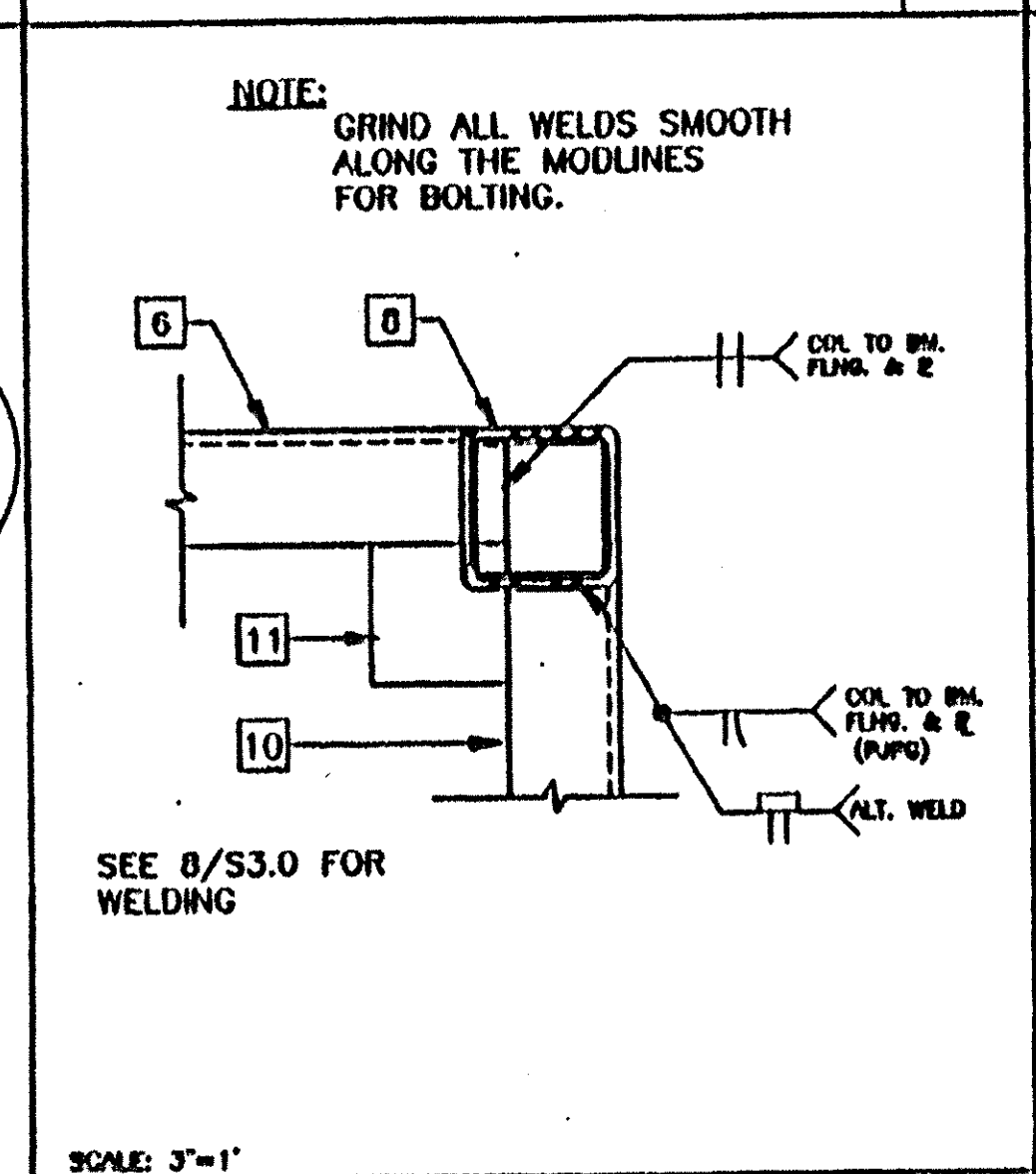
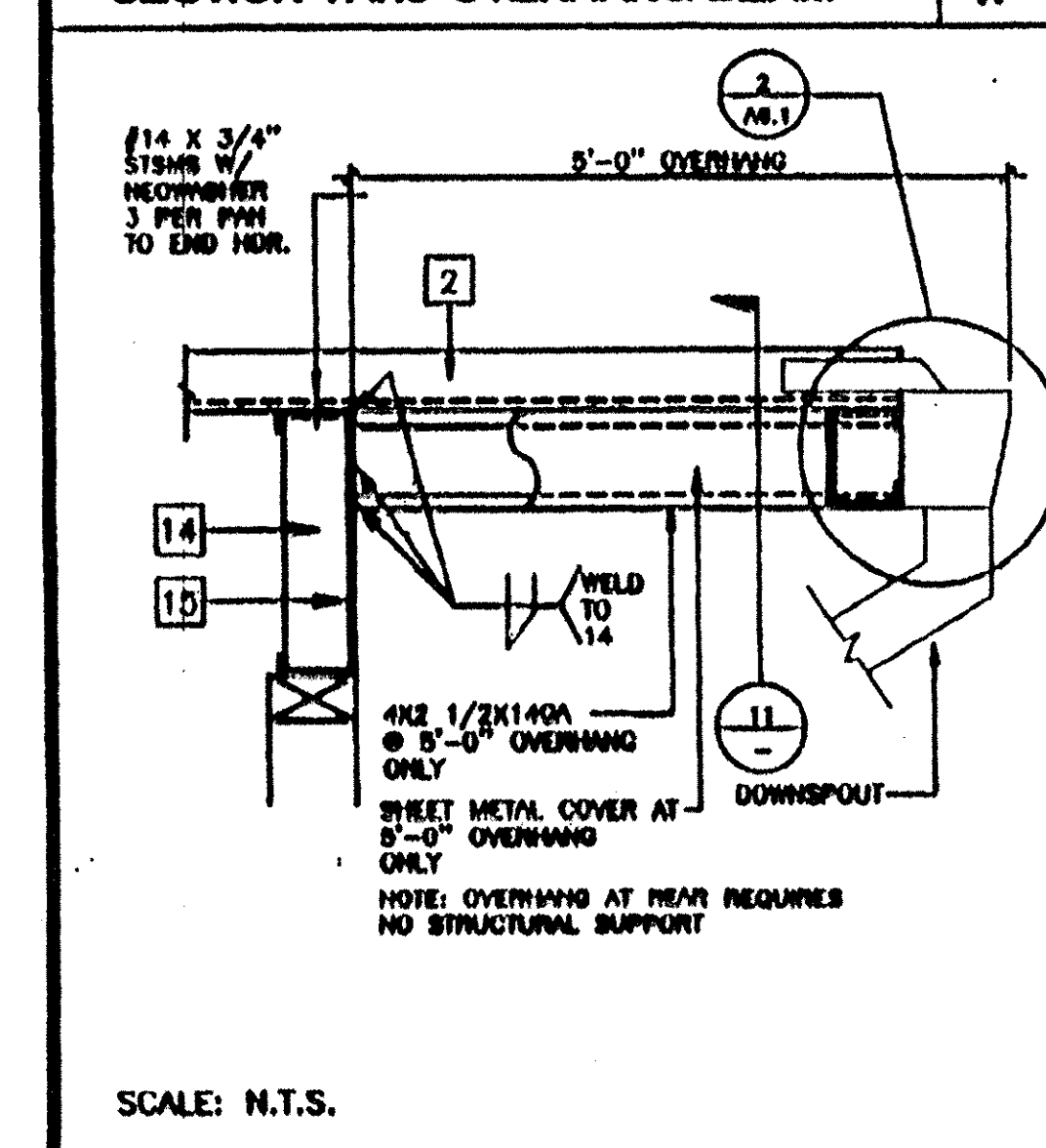
SECTION THRU OVERHANG BEAM 11

STIFFENER SECTION AT FLOOR 8

STIFFENER AT ROOF 8

COLUMN CONN. AT FLOOR 4

COLUMN CONN. AT FLR. 1



GUTTER AT OVERHANG AT FRNT AND REAR 12

COLUMN AT FLOOR 9

COLUMN AT ROOF 7

P.J.Q.P. WELD DETAIL 5

COLUMN AT ROOF BEAM 3

REVISIONS

1		
2		
3		
4		
5		

Professional Engineer's Seal

Professional Engineer's Seal

MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
 WILLIAMS SCOTSMAN

MODTECH, INC. 1999
 DRAWN BY: WJG
 DATE: 3/6/02
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 DATE:
S3.0

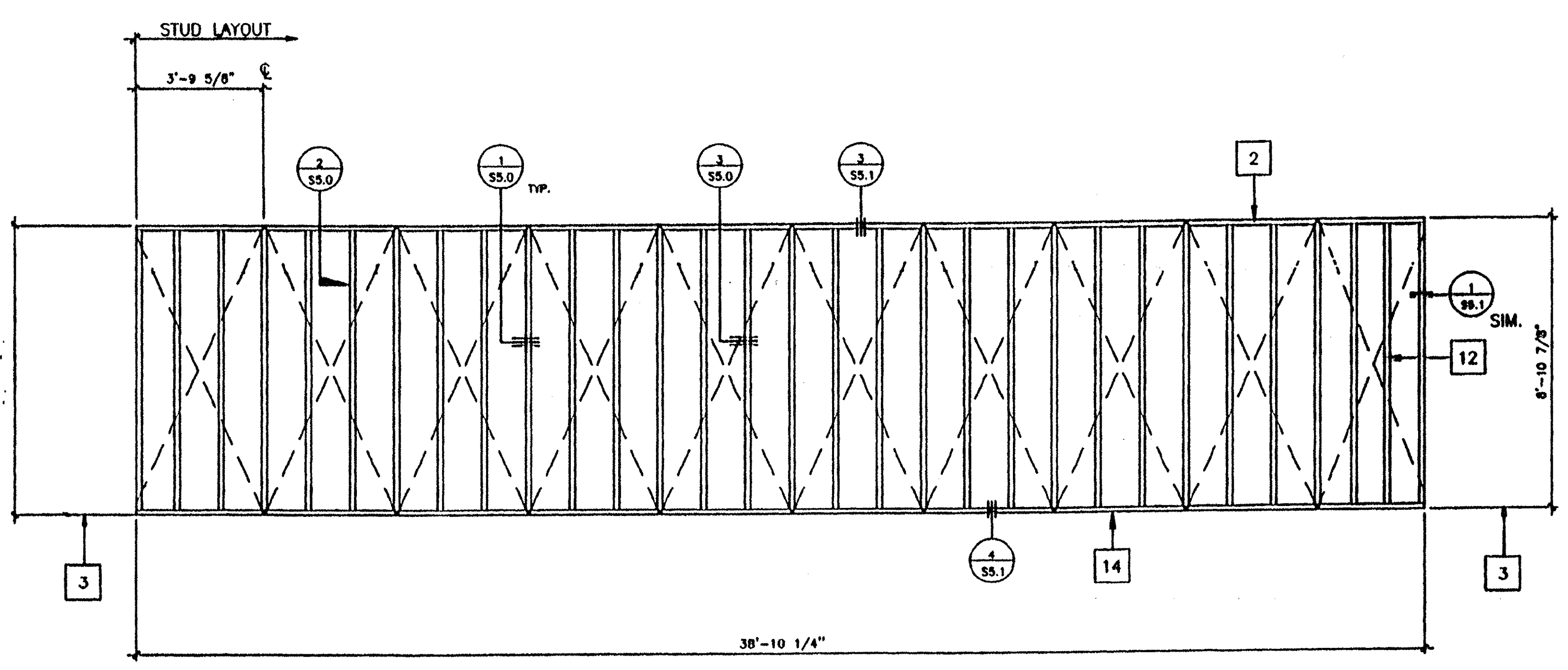
STRUCTURAL ELEVATIONS

FILE PATH: 2440-0-SS-0.DWG PROJECT NO. 4087

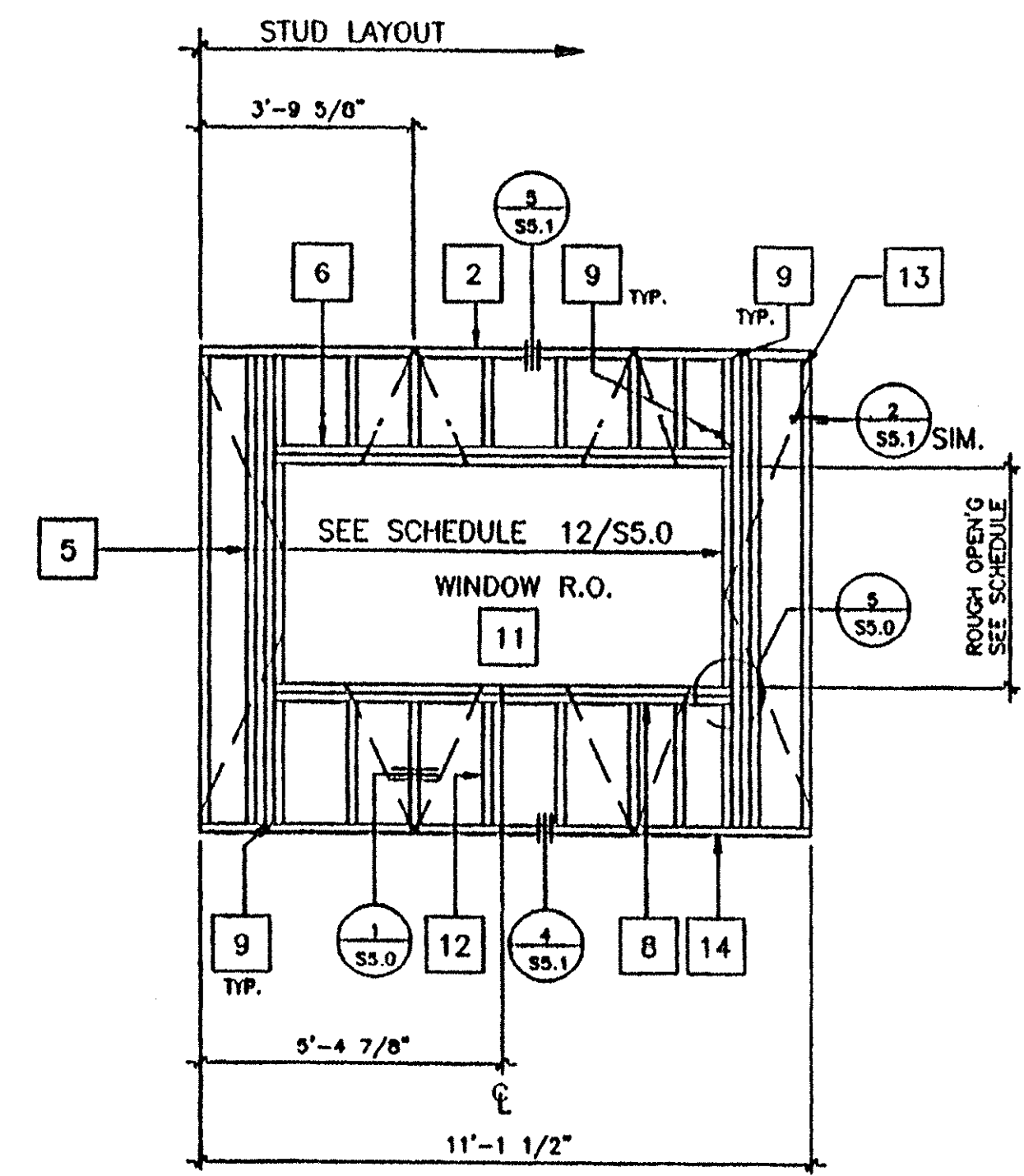
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 DIV. OF THE STATE ARCHITECT
 APP: 03-123037 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

KEY NOTES

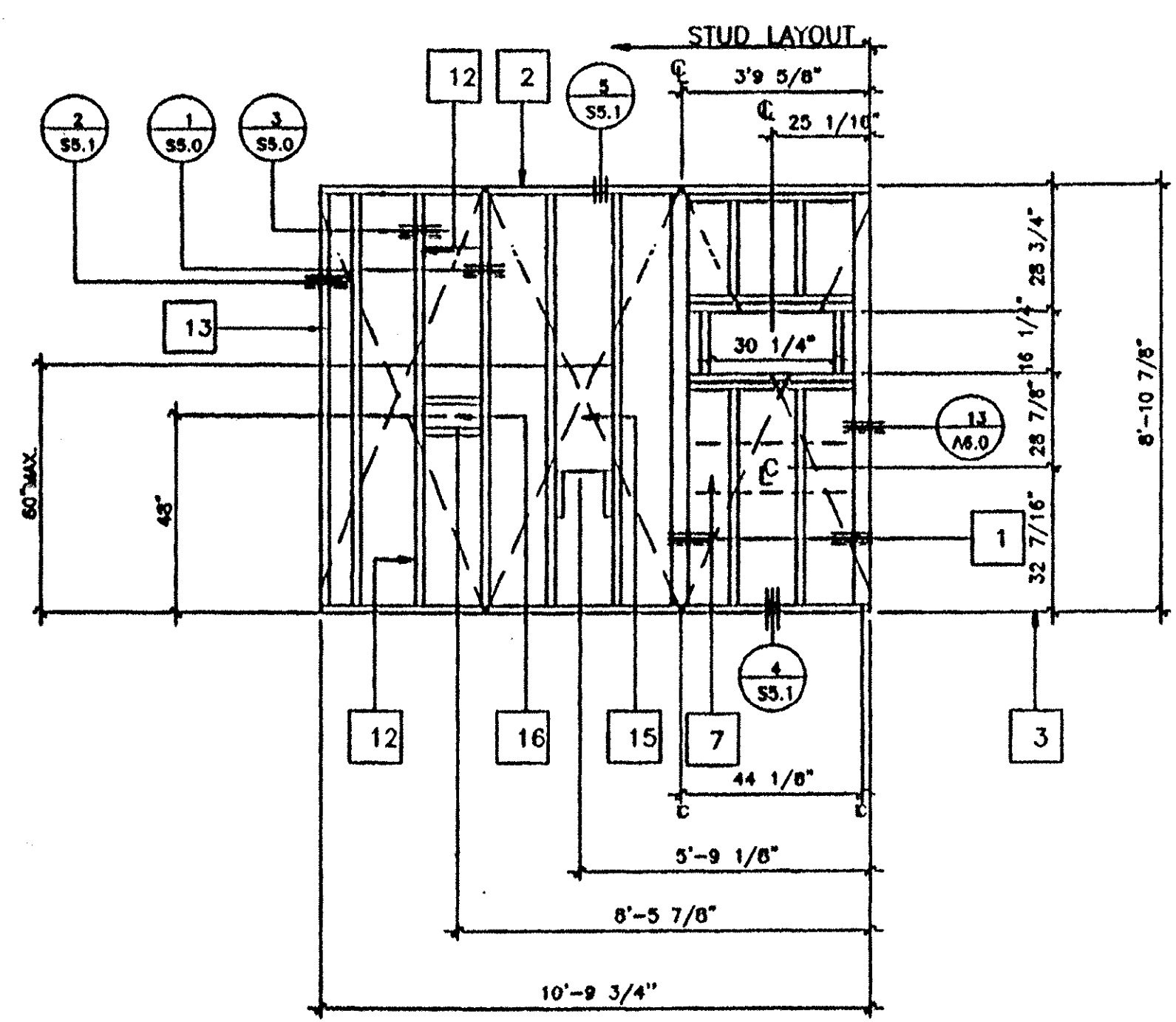
- 1 4 X 4 POST ALT. USE 2-2X4
- 2 2X4 TOP PLATE
- 3 FINISH FLOOR
- 4 2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5.1)
- 5 FULL HEIGHT STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED. SHEET S5.0)
- 6 HEADER (SEE SCHEDULE)
- 7 26GA X 4" WIDE STRAP
- 8 WINDOW SILL PLATE (SEE SCHEDULE)
- 9 A 34 CLIPS AT HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES. SEE 4/S5.0
- 10 REQUIRED OPENING FOR A 3068 DOOR (SEE DETAIL 7/S5.0)
- 11 REQUIRED OPENING FOR A 8040 WINDOW (SEE DETAIL 6/S5.0)
- 12 2X4 STUD AT 16" O.C. TYPICAL
- 13 2X4 NAILER TYPICAL AT EACH END
- 14 2X4 SILL PLATE
- 15 FRAME FOR ELECTRICAL PANEL
- 16 THERMOSTAT LOCATION 4S BOX



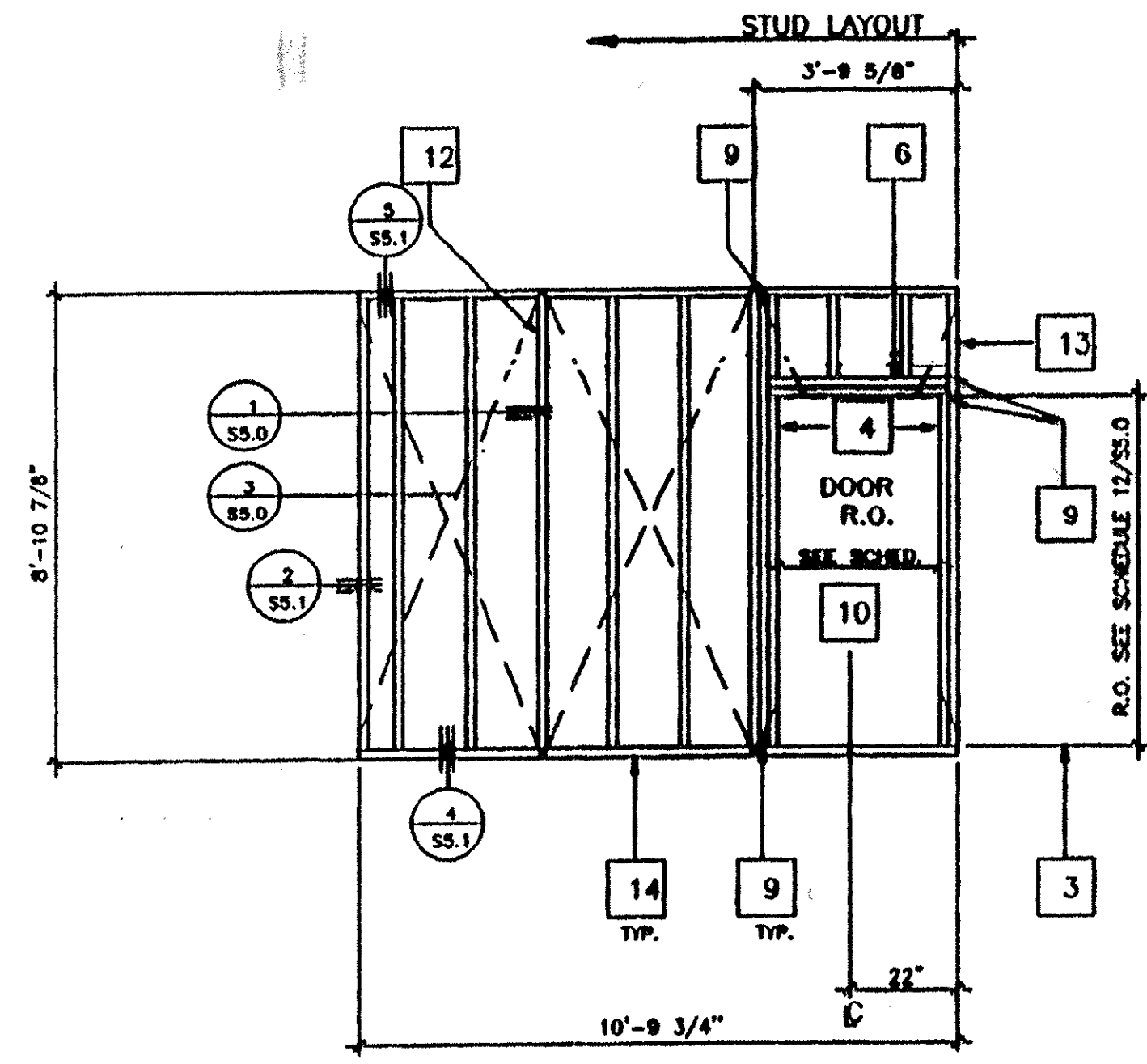
A
A₁ OPPOSITE HAND



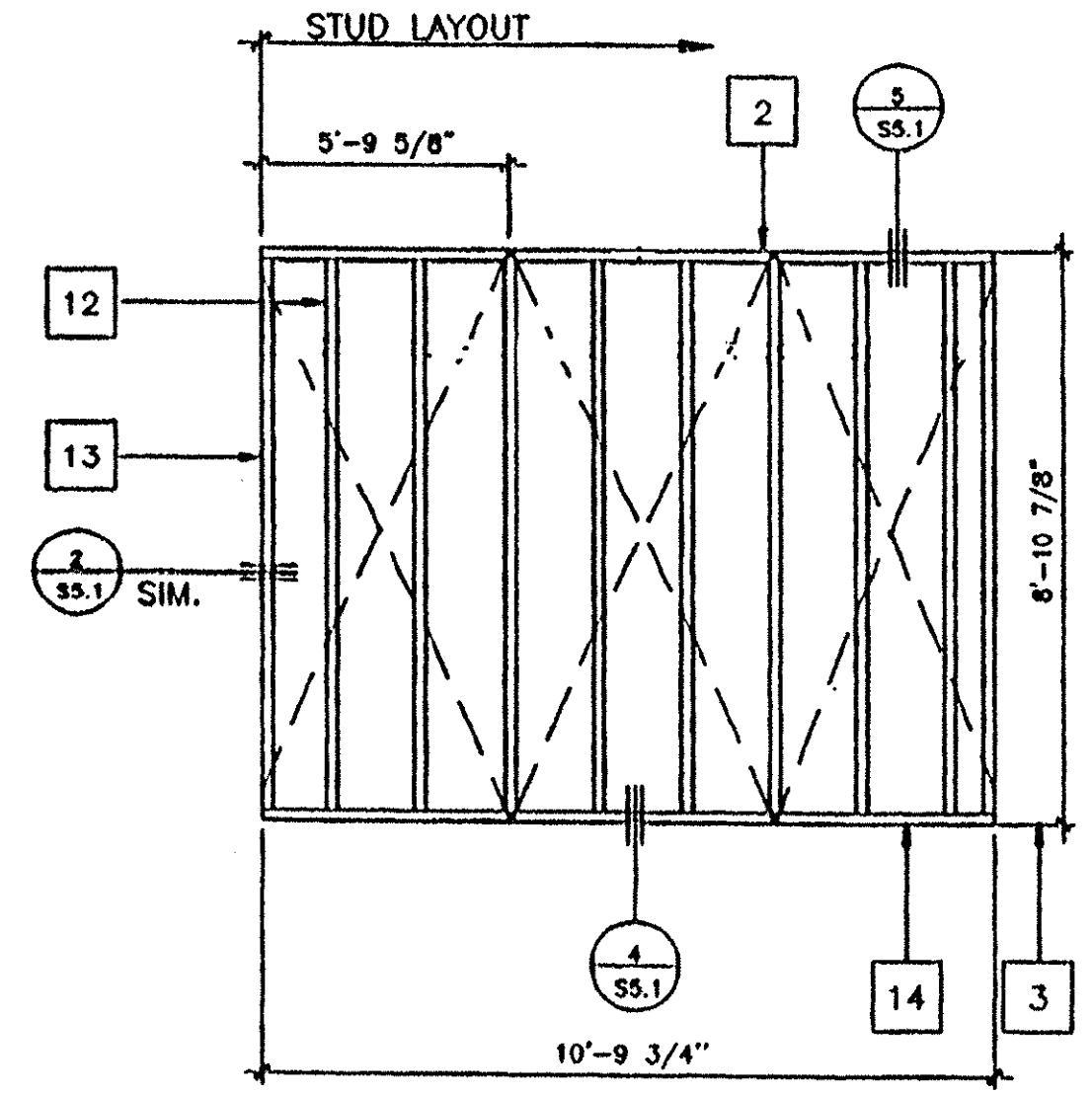
B
B₁ OPPOSITE HAND



C
C₁ OPPOSITE HAND



D
D₁ OPPOSITE HAND



E
 SCALE 3/8"=1'

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 OFFICE OF REGULATION SERVICES
 04 104810
 AC FLS SS
 DATE JUN 06 2002

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 105115
 AC FLS SS
 DATE JUN 27 2002~~

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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 104810
 AC FLS SS
 DATE MAR 21 2002~~

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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 104810
 AC FLS SS
 DATE MAR 09 2002~~

PC
CBC 1998

REVISED
 BY: *WJ*

NO.	REVISION	DATE
1	ADD STUDS	SS

Electrical Engineer's Seal
 Mechanical Engineer's Seal
 ARCHITECT'S SEAL
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 10149
 AC FLS SS
 DATE OCT 23 1999

MODTECH INC.
 2030 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
 WILLIAMS SCOTSMAN
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DRAWN BY: WJ
 DATE: 3/6/02
 CHECKED BY:
 DATE:
WALL FRAMING

WOOD STUDS
S4.0

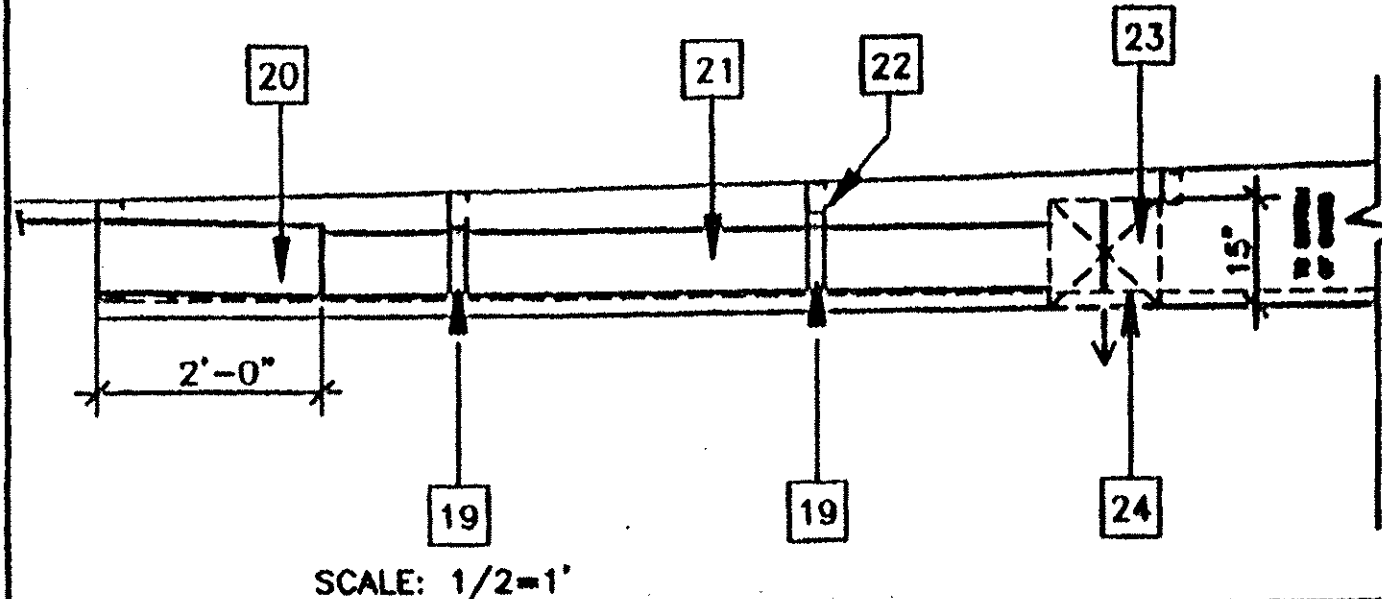
FILE PATH: 2440-0-S4-0.DWG PROJECT NO. 4087 PC-04-101419

NAILING SCHEDULE

CONNECTION	NAILING	1
1. NAIL TO SILL OR OTHER JOINT		3-8d
2. THROUGH TO JOINT, TYPICAL END END		2-8d
3. 1" X 6" (25 mm X 152 mm) SUBFLOOR OR LESS TO EACH JOINT, FACE NAIL		2-7/8d
4. WIDER THAN 1" X 6" (25 mm X 152 mm) SUBFLOOR TO EACH JOINT, FACE NAIL		3-8d
5. 2" (51mm) SUBFLOOR TO JOINT OR SPINDER, IN AND FACE NAIL		2-18d
6. SITE PLATE TO JOINT OR BLOCKING, 18d at 16" (460mm) o.c. TYPICAL FACE NAIL		
SOLI. PLATE TO JOINT OR BLOCKING, AT BRACED WALL PANELS		3-18d per 16" (400mm)
7. TOP PLATE TO STUD, END NAIL		2-18d
8. STUD TO SOLE PLATE		4-8d, toenail or 2-18d, end nail
9. DOUBLE STUDS, FACE NAIL		18d at 24" (610mm) o.c.
10. DOUBLE TOP PLATES, TYPICAL FACE NAIL		18d at 16" (400mm) o.c.
DOUBLE TOP PLATES, LAP SPICE		8-18d
11. BLOCKING BETWEEN JOISTS OR PARTS TO TOP PLATE, TOENAIL		3-8d
12. NAIL JOINT TO TOP PLATE, TOENAIL		8d at 6" (152mm) o.c.
13. TOP PLATE, LAP AND INTERSECTIONS, FACE NAIL		2-18d
14. CONTINUOUS HEADER, TWO PIECES, 18d at 16" (400mm) o.c. along each edge		
15. CEILING JOIST TO PLATE, TOENAIL		3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL		4-8d
17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL		3-18d
18. CEILING JOIST TO PARALLEL PARTS, FACE NAIL		3-18d
19. PARTER TO PLATE, TOENAIL		3-8d
20. 1" (25 mm) BRACE TO EACH STUD AND PLATE, FACE NAIL		2-8d
21. 1" X 8" (25 mm X 203 mm) SHEATHING OR LESS TO EACH BEARING, FACE NAIL		2-8d
22. WIDER THAN 1" X 8" (25 mm X 203 mm) SHEATHING TO EACH BEARING, FACE NAIL		3-8d
23. BUILT-UP CORNER STUDS		18d at 24" (610mm) o.c.
24. BUILT-UP ORDER AND BEAM, BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPICE		20d at 36" (913 mm) o.c. AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPICE
25. 2" (51mm) PLANKS		
26. WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SUBFLOOR, ROOF AND WALL SHEATHING (10 FINISH): (1 INCH=25.4mm)		
1/2" AND LESS		8d ³
18/32" - 3/4"		8d ⁴ OR 8d ⁵
7/8" - 1"		8d ³
1 1/8" - 1 1/4"		10d ⁴ OR 8d ⁵
COMMON TO FLOOR-UNDERLAYMENT (10 FINISH): (1 INCH=25.4mm)		
3/4" AND LESS		8d ⁵
7/8" - 1"		8d ⁵
1 1/8" - 1 1/4"		10d ⁴ OR 8d ⁵
27. PANEL SIDING (TO FINISH):		
1/2" (13 mm) OR LESS		8d ⁶
5/8" (16 mm)		8d ⁸
28. FIBERBOARD SHEATHING		
1/2" (13 mm)		NO. 11 GA. 8
		8d ⁴
25/32" (20 mm)		NO. 18 GA. 9
29. INTER PANELING		
1/4" (6.4 mm)		4d 10
3/8" (9.5 mm)		8d 11

NOTE: All nail shall be box nails unless otherwise noted.

- COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
- NAILS SPACED AT 6" (152MM) ON CENTER AT EDGES, 12" (305MM) AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES (152MM) AT ALL SUPPORTS WHERE SPANS ARE 48" (1219MM) OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARDING AND SHEAR WALLS, REFER TO SECTION 2314.3. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
- COMMON OR DEFORMED SHANK
- COMMON
- DEFORMED SHANK
- CORROSION-RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
- FASTENERS SPACED 3 INCHES (76MM) ON CENTER AT EXTERIOR EDGES AND 6 INCHES (152MM) ON CENTER AT INTERMEDIATE SUPPORTS.
- CORROSION-RESISTANT ROOFING NAILS W/7/16" (11MM) HEAD AND 1 1/2 INCH (38MM) LENGTH FOR 1/2 INCH (13MM) SHEATHING AND 1 3/4 INCH (44MM) LENGTH FOR 25/32 INCH (20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
- CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16 INCH (11MM) CROWN AND 1 1/8 INCH (20MM) LENGTH FOR 1/2 INCH (13MM) SHEATHING AND 1 1/2 INCH (38MM) LENGTH FOR 25/32 INCH (20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
- PANEL SUPPORTS AT 16 INCHES (406MM) IF STRENGTH AXIS IS IN THE LONG DIRECTION OF PANEL, UNLESS OTHERWISE MARKED. CASING OR FINISH NAILS SPACED 6 INCHES (152MM) ON PANEL EDGES, 12 INCHES (305MM) AT INTERMEDIATE SUPPORTS.
- PANEL SUPPORTS AT 24 INCHES (610MM), CASING OR FINISH NAILS SPACED 6 INCHES (152MM) ON PANEL EDGES, 12 INCHES (305MM) AT INTERMEDIATE SUPPORTS.



SECTION: HVAC IN ROOF

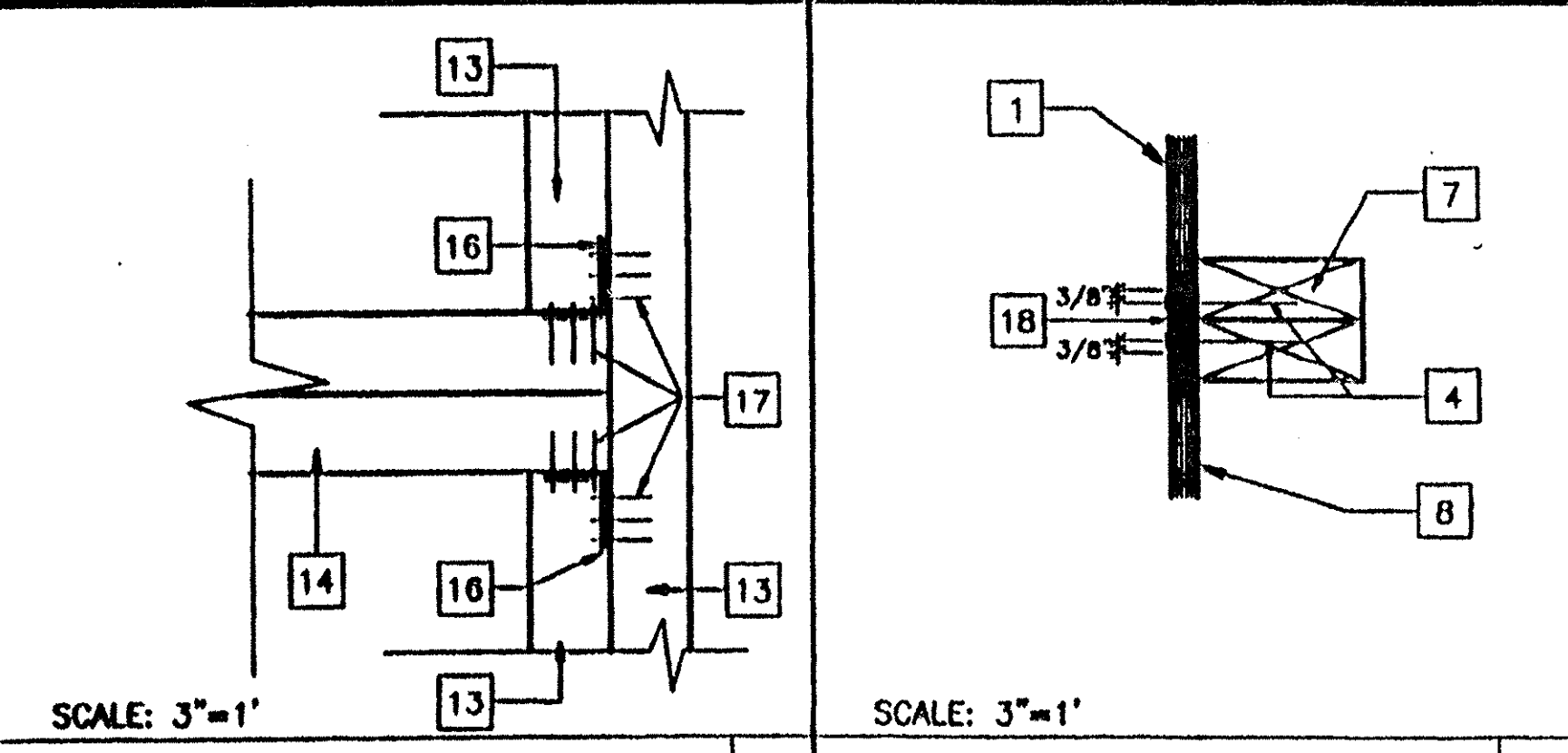
OPENING	ROUGH OPENING				
	HDR.	SILL	JAMB	HEIGHT	WIDTH
3068	(2) 2X4	(2) 2X4	(2) 2X4 *	81 1/4"	30"
8040 *	(3) 2X4	(2) 2X4	(3) 2X4 *	48 1/8"	96 1/8"

* FULL HEIGHT STUDS
 ** ALL WOOD WINDOW HEADER SHALL BE D.F./ LARCH #2 GRADE
 ALTERNATE: METAL STUD 3 1/2" X 20 GA. IN LIEU OF 2X4 WD. STUDS

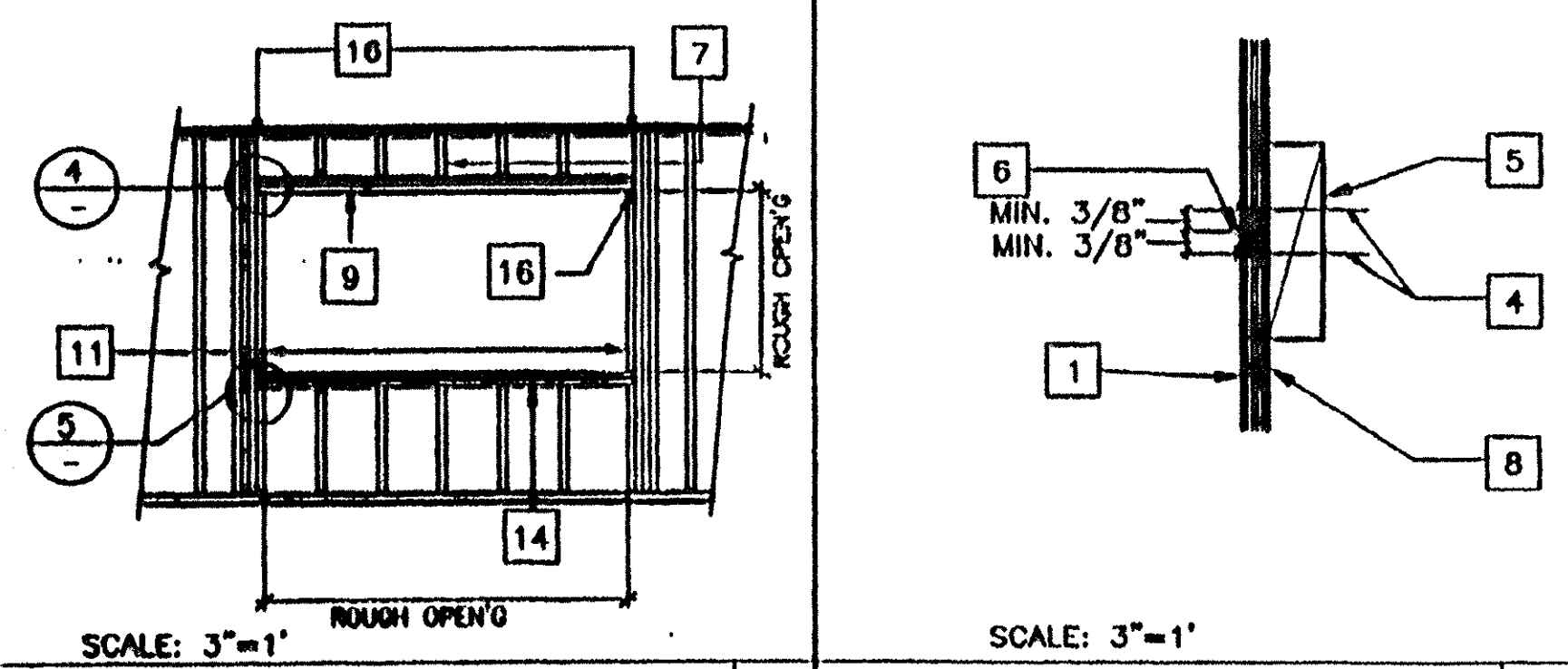
CBC 1998

PC

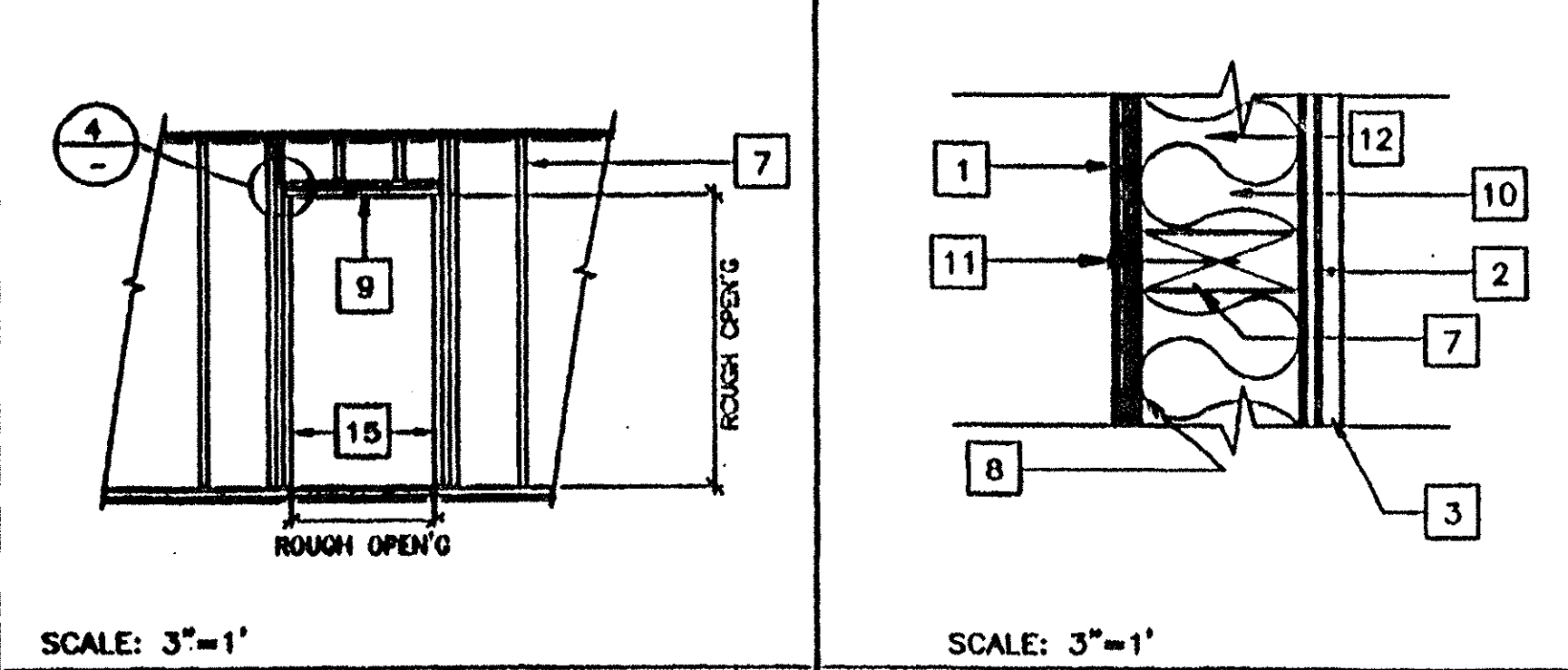
ROUGH OPENING SCHEDULE



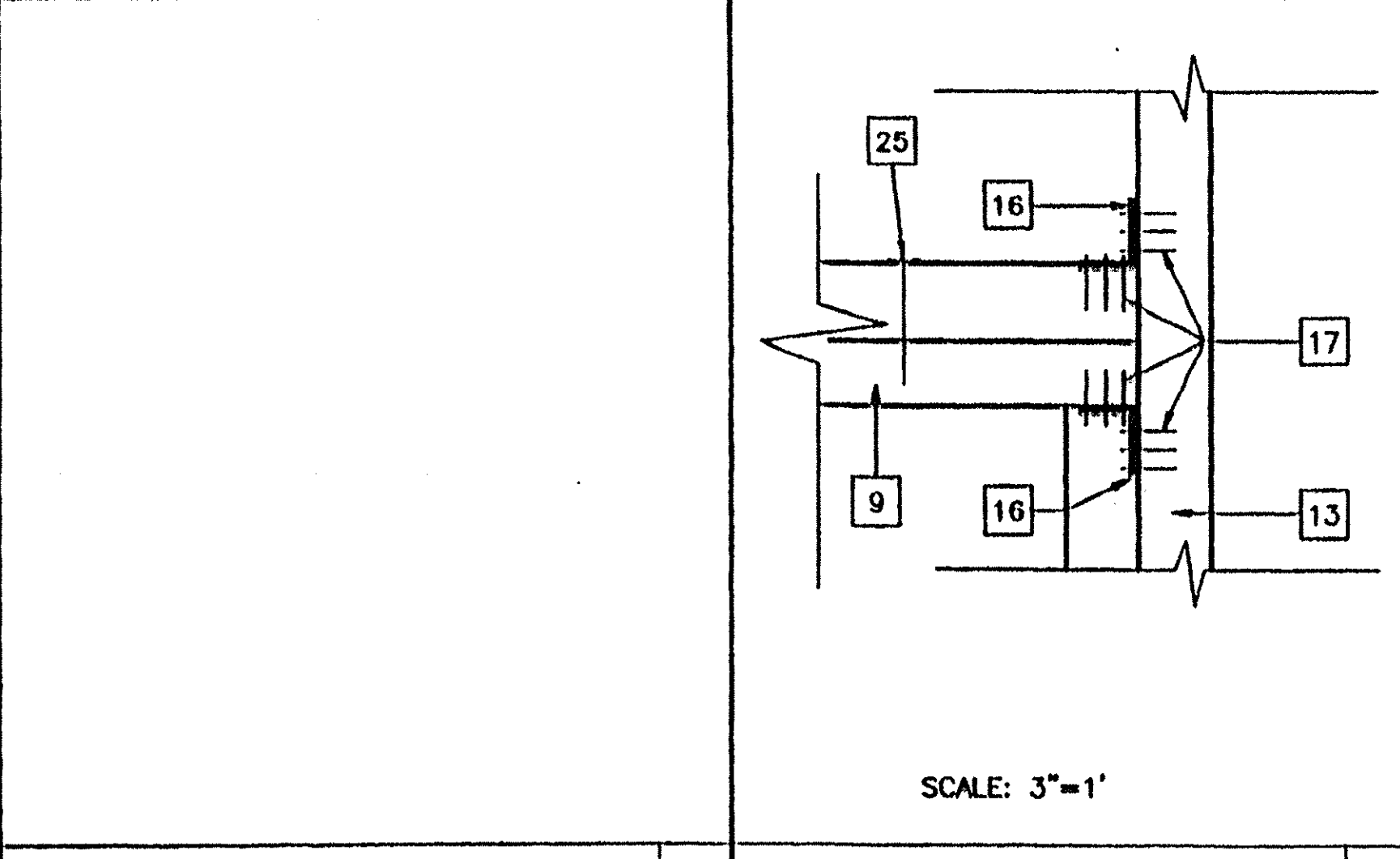
WINDOW SILL AT JAMB



TYP. WINDOW FRAMING



TYP. DOOR FRAMING



HEADER DETAIL

KEY NOTES

- EXTERIOR PLYWOOD SIDING - SHEATHING NAIL
- BOX NAILS - 8d at 6" O.C. EDGES, 8d at 12"
- GYP. BOARD
- TYP. INTERIOR FINISH-SEE FINISH SCHEDULE
- E.N.
- 2X4 BLK'G
- "Z" FLASHING
- 2X4 AT 16" O.C./DBL. 2X4 AT VERT. SIDING JOINT
- WATERPROOF MEMBRANE
- HEADER (SEE SCHEDULE S5.0)
- INSULATION (SEE SPECIFICATIONS)
- 8d ELECTRO GALV. 12" O.C.FN.
- 2X4 SILL PLATE (BELOW)
- FULL HEIGHT STUDS AND 1-2X4 TRIMMER (SEE OPENING SCHEDULE FOR JAMB STUDS REQ'D FOR DOORS & WINDOWS ONLY)
- SILL PLATE (SEE SCHEDULE)
- 2X4 FULL HEIGHT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY)
- A 34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
- 9GA. 8d 1 1/2" NAILS
- LAP JOINT
- 2" WIDE DUCT SUPPORT STRAP @ 48" O.C.
- PLENUM
- DUCTWORK
- ROOF PURLIN
- TRANSFER BOX
- ROOF CHANNEL
- 16D @ 16" O.C.

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 AC - FLS - SS - JY
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NOTES

- NAILING:
 -NAILING IN ACCORDANCE W/ T.24 C.A.C TABLE 2-25 P
 -ALL NAILS EXPOSED TO WEATHER SHALL BE GALV.
 -MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY O.S.A. / DSA FIELD REP. AND THE ARCHITECT.

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REVISIONS

NO.	DESCRIPTION	DATE

Electrical Engineer's Seal
 Mechanical Engineer's Seal
 Structural-Engineer's Seal
 Architect's Seal

Professional Engineer Seal
 State of California

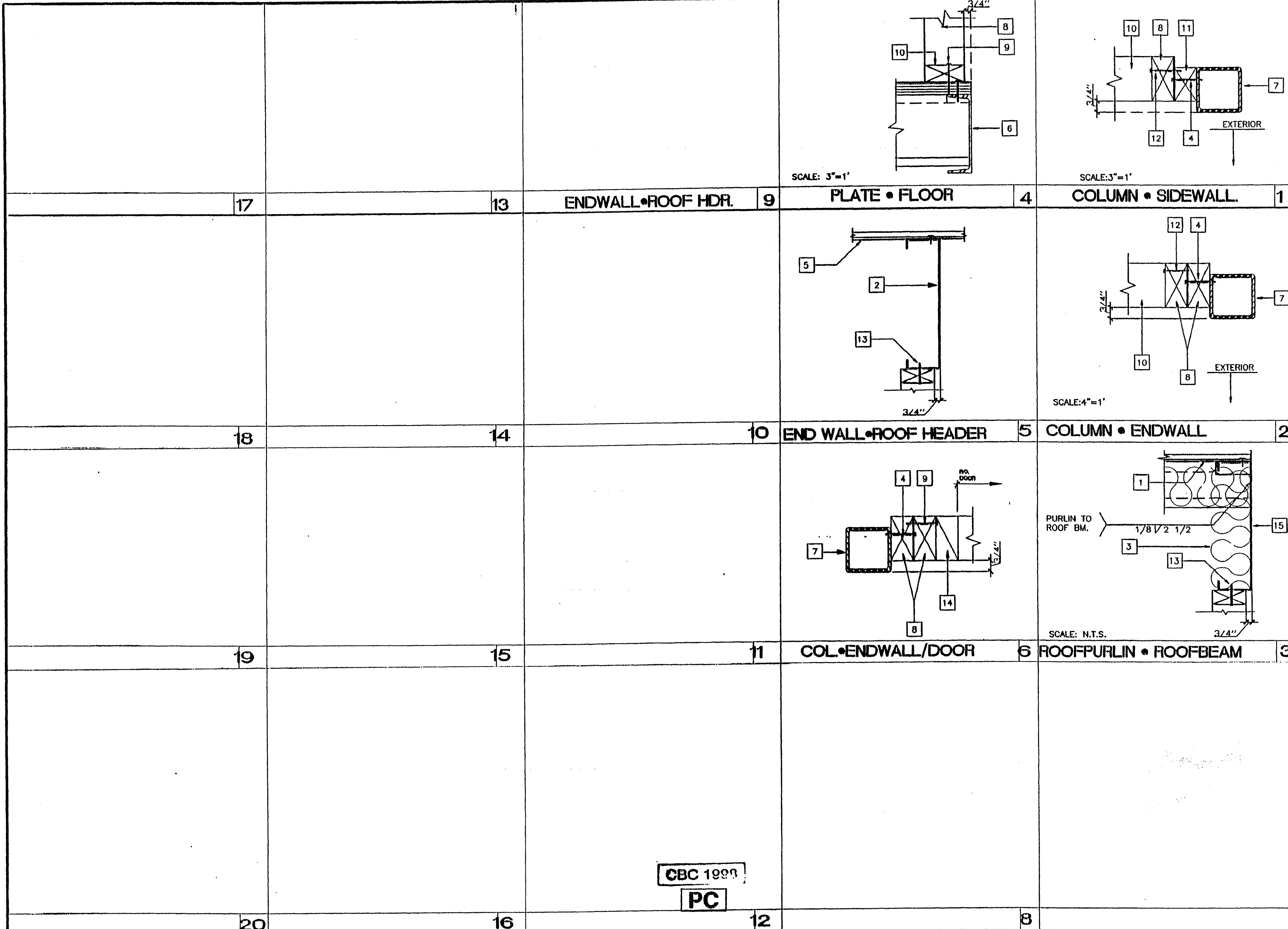
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 PC-04
 101419
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 DATE OCT 9 2008

MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4151
 WILLIAMS SCOTSMAN
FRAMING DETAILS

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 DRAWN BY: WQ
 DATE: 3/6/02
 CHECKED BY:
 DATE:
WOOD STUDS S5.0

PROJECT NO. 4087
 FILE PATH: 2440-0-35-0-DWG



- KEY NOTES**
- 1 22 GA. MTL. ROOF DECK
 - 2 [12GA. X 14" HEADER
 - 3 INSULATION SEE SPEC'S.
 - 4 #10 S.T.S.M.S @24" O.C. OR 0.145# SHOT PIN AT 24" O.C.
 - 5 STANDING SEAM ROOF BEAM (SEE STRUCTURAL)
 - 6 FLOOR BEAM (SEE STRUCTURAL)
 - 7 TUBE STEEL COLUMN.
 - 8 2X4 STUD @ 16" O.C. TYP.
 - 9 16d BOX NAILS @ 8" O.C.
 - 10 2X4 SILL PLATE.
 - 11 2X TRIMMER @ CORNER.
 - 12 16d @ 24" O.C.
 - 13 #10 S.T.S.M.S @ 16" O.C. OR AEROSMITH AKN 144.0175 DRIVE PIN.
 - 14 2X4 TRIM
 - 15 ROOF BEAM

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 04 104310
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CBC 1993
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REVISIONS

Electrical Engineer's Seal
 Mechanical Engineer's Seal
 Structural Engineer's Seal
 Architect's Seal

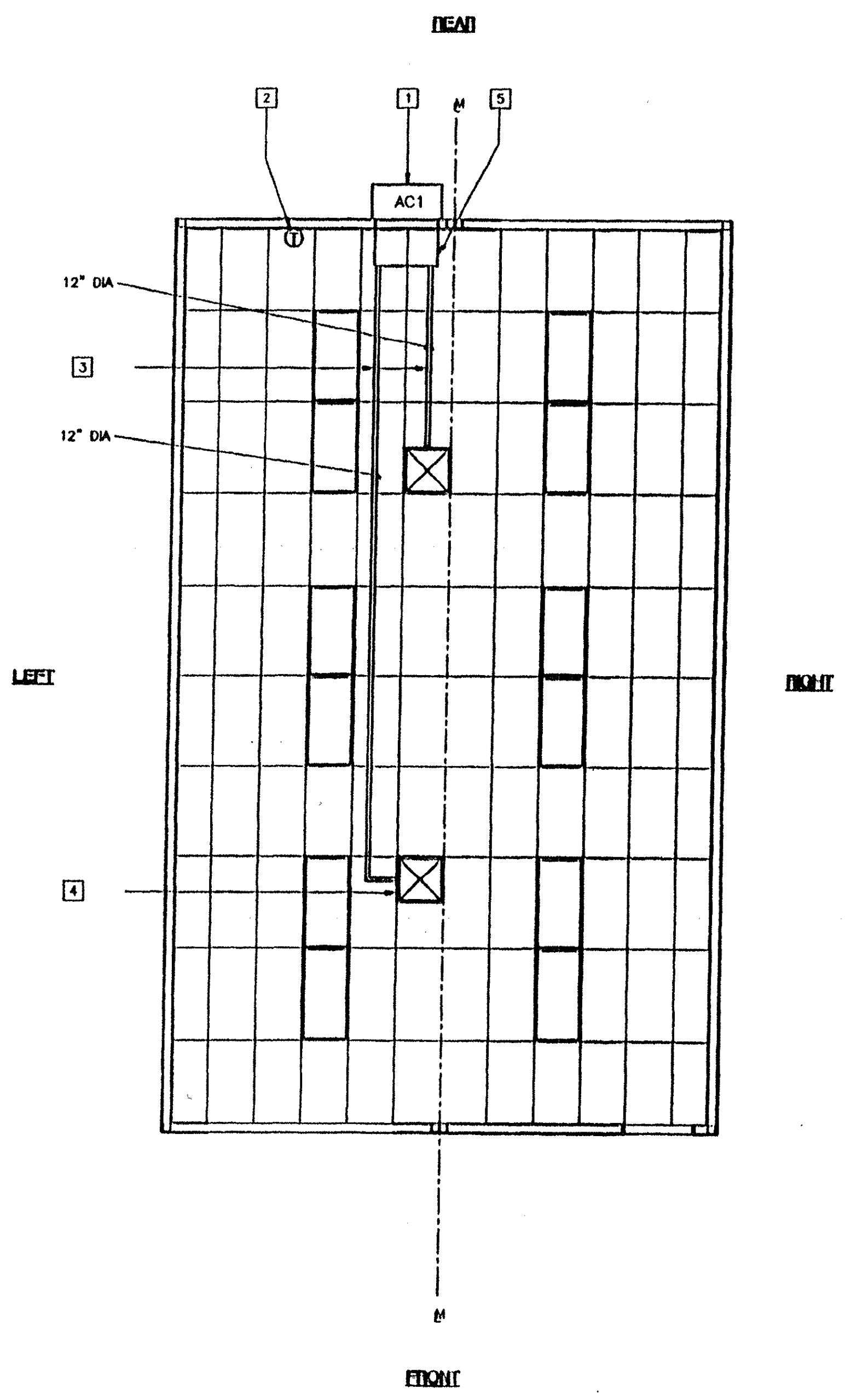
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PROJECT NUMBER: 4151
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 DATE: 3/6/02
 CHECKED BY:
 DATE:
 MODTECH Logo No. **S5.1**

WALL FRAMING DETAILS WOOD STUDS S5.1

PROJECT NO. 4097
 PC-04-101419



MECHANICAL (HVAC) PLAN (24'x40')
SCALE: 1/4" = 1'-0"

KEY NOTES

- AC1: WALL MOUNT 3.5 TON HEAT PUMP WITH CALIFORNIA STATE ENERGY APPROVED 208/23 WEIGHT 515 LBS
- THERMOSTAT AT 48" AFF (SLL SPECS)
- FLEX DUCT GALVANIZED PLENUM 80" WITH GALV. STEEL BOXES GAGE PER ASHRAE CDDL REQUIREMENTS: 111 X DUCT PER CODE AND SIZING PER .1" S.P. INSULATION WITH 1" LINER INSULATION PER: SPECIFICATIONS SECTION #3.23.2.1
- 15"x15" 4 WAY SUPPLY AIR GRILLE
- 10"x30"x24" PLENUM (SEE SPECS)

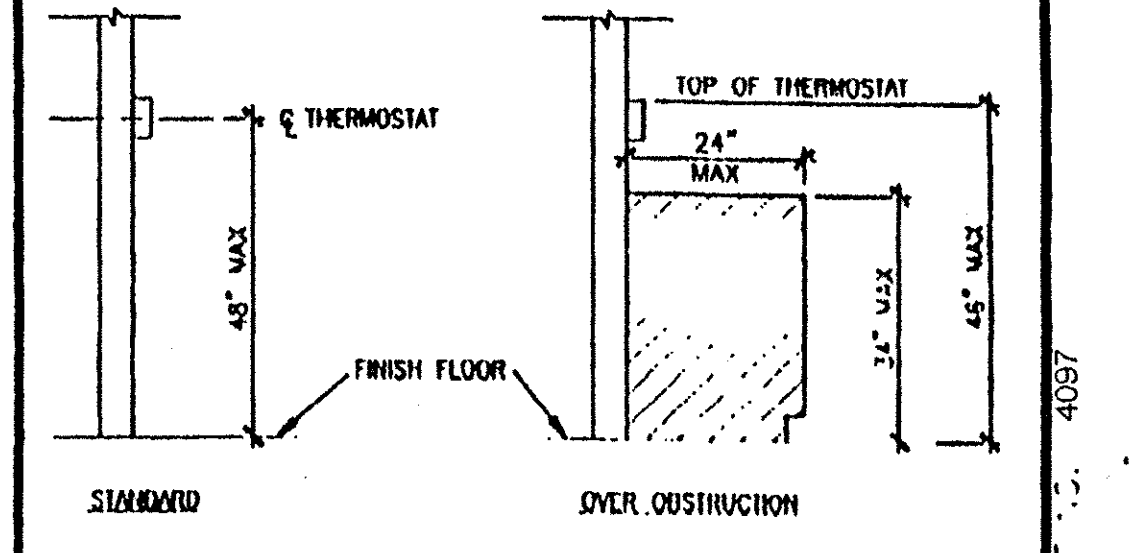
NOTES

- INSULATION APPLIED TO EXTERIOR SURFACE OF DUCTS LOCATED IN BLDGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE-DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION, INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED
- SCHOOL EQUIPMENT ANCHORAGE**
THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:
THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM CGR TITLE 24, SECTION 1832A AND TABLE 18A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS, MAY BE OMITTED FROM THE PLANS.
ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
EQUIPMENT ON GRADE: .20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE: .30% OF OPERATING WEIGHT
FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD ENGINEER OF THE OFFICE OF THE ARCHITECT

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04 10 175
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DATE: MAR 9 2001~~

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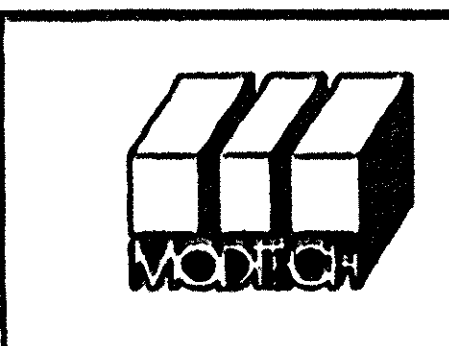
THERMOSTAT ACCESS 1

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Professional Engineer's Seal	Architect's Seal

Electrical Engineer's Seal
Mechanical Engineer's Seal
Professional Engineer's Seal

Architect's Seal

PC
101419
DATE: 10/1 25 1999



MODTECH INC.
2030 BARRETT AVENUE
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PH (909) 943-4014
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PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

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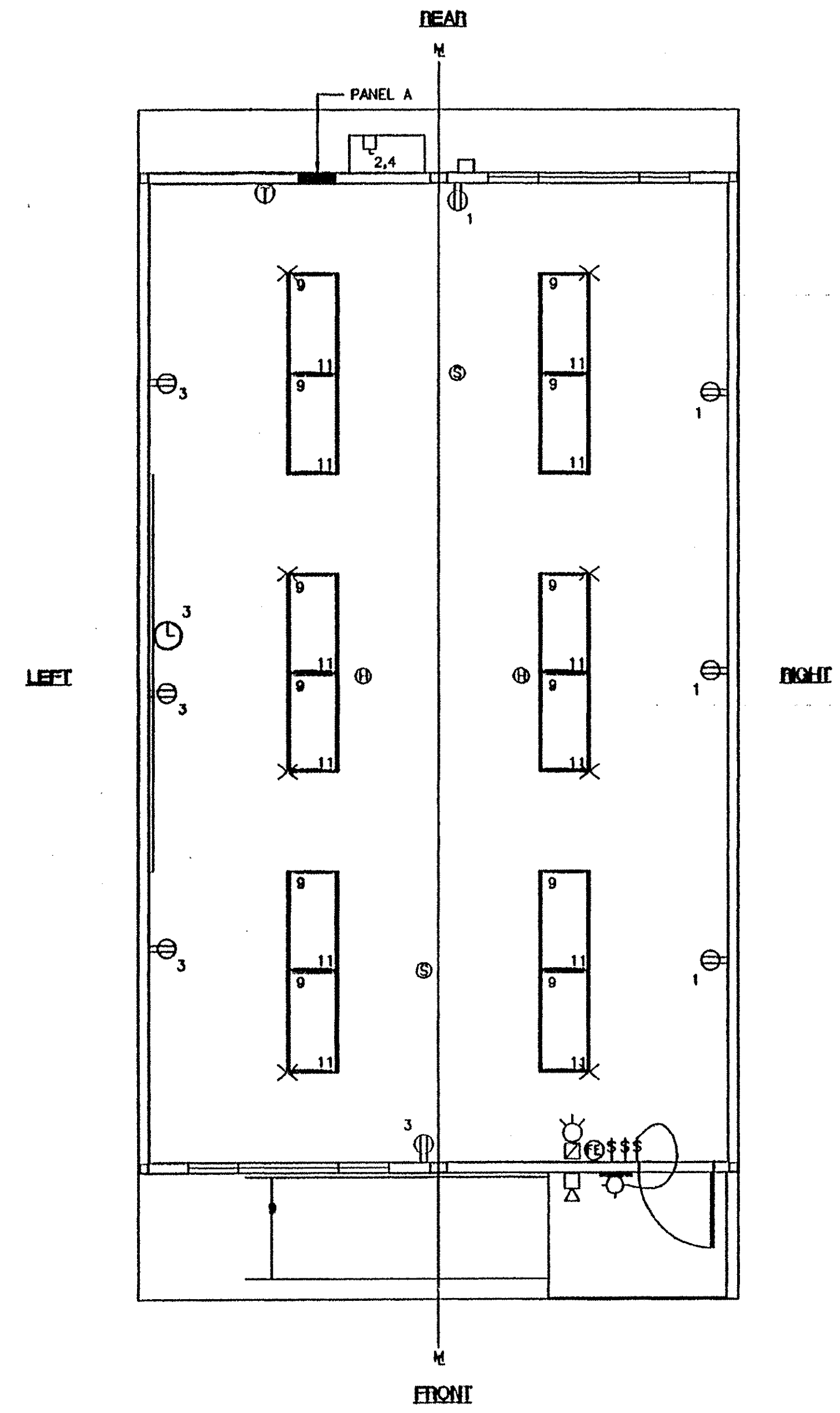
DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY: SS
DATE: 10/22/07

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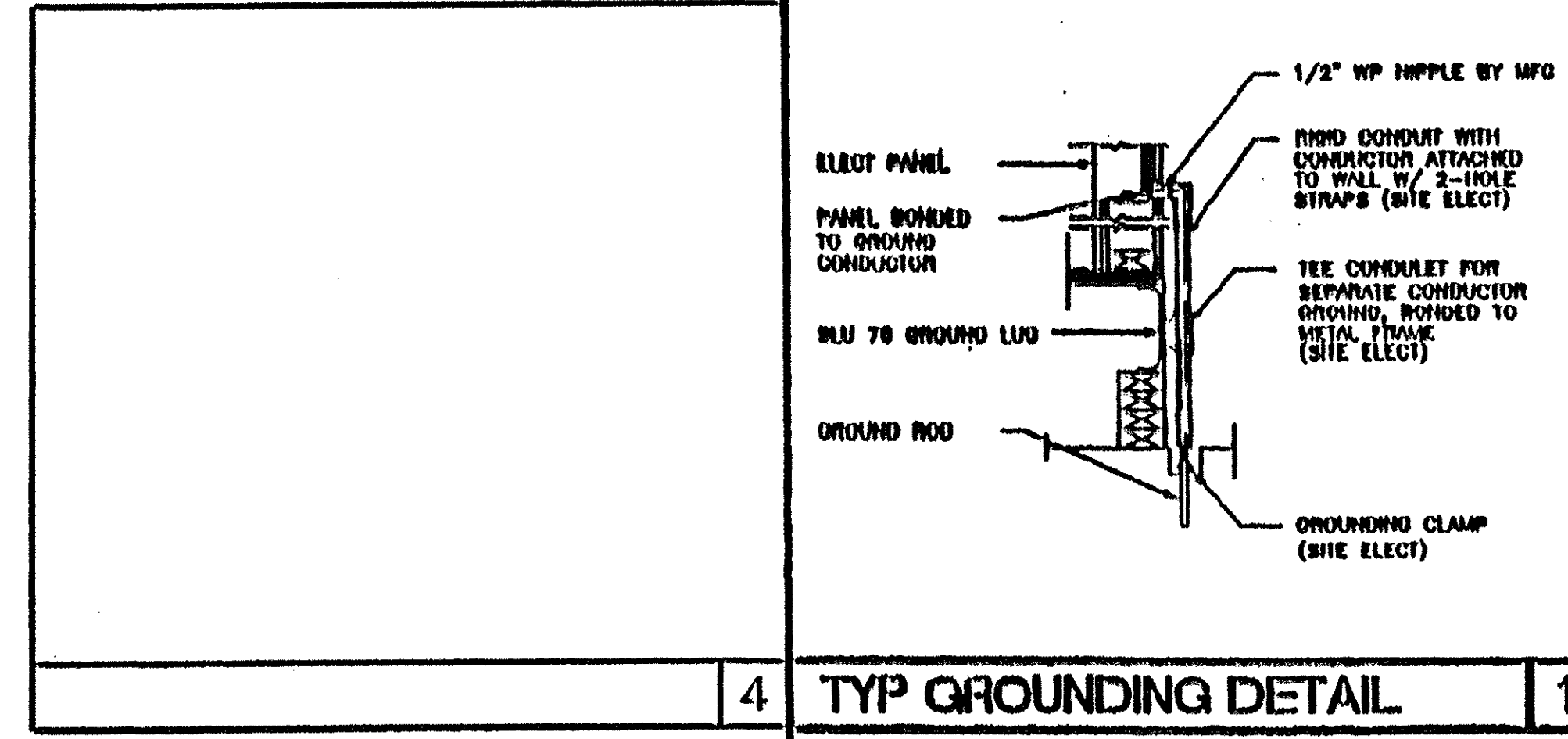
ELECTRICAL PANEL SCHEDULE														
MAIN: 100 AMP 12 POLE		PANEL: A						FEED: REAR						
		LOCATION: REAR/INTERIOR						MOUNTING: FLUSH						
LOAD	QTY	WATTS		BREAKER		P		A		B				
		Ap	Bp	Amps	P	A	B	P	Amps	Ap	Bp			
RECEPTACLE	(4)	720		20	1	1		2	2	50	3540	HVAC (3 1/2") w/ SKW HEAT STRIP		
RECEPTACLE/CLOCK	(5)	900		20	1	3		4	-	-	3540	HVAC (3 1/2") w/ SKW HEAT STRIP		
						5		6						
						7		8						
INT/EXT LIGHTS	(13)	900		20	1	9		10						
INT. LIGHTS	(12)	840		20	1	11		12	-	-		FIRE ALARM (DEDICATED)		
WATTS/PHASE		A = 5160	1620	1740							3540	3540	B = 5280	WATTS/PHASE
TOTAL		10440	WATTS	44	AMPS	120/240	VOLTS				SINGLE #		THREE	WIRE
NCL		13160	WATTS											

- ### GENERAL GROUNDING NOTES
1. EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 3/4" DIA. 1" W/ OPTIMIZED STEEL GROUND ROD. THESE RODS SHALL BE ENCASED IN CONCRETE, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL, OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).
 2. 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)
 3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL WIRE, THE FIRE ALARM SYSTEM AND/OR COMPONENTS SHALL BE INSTALLED TO BE GROUNDING TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
 4. GROUNDING TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250.

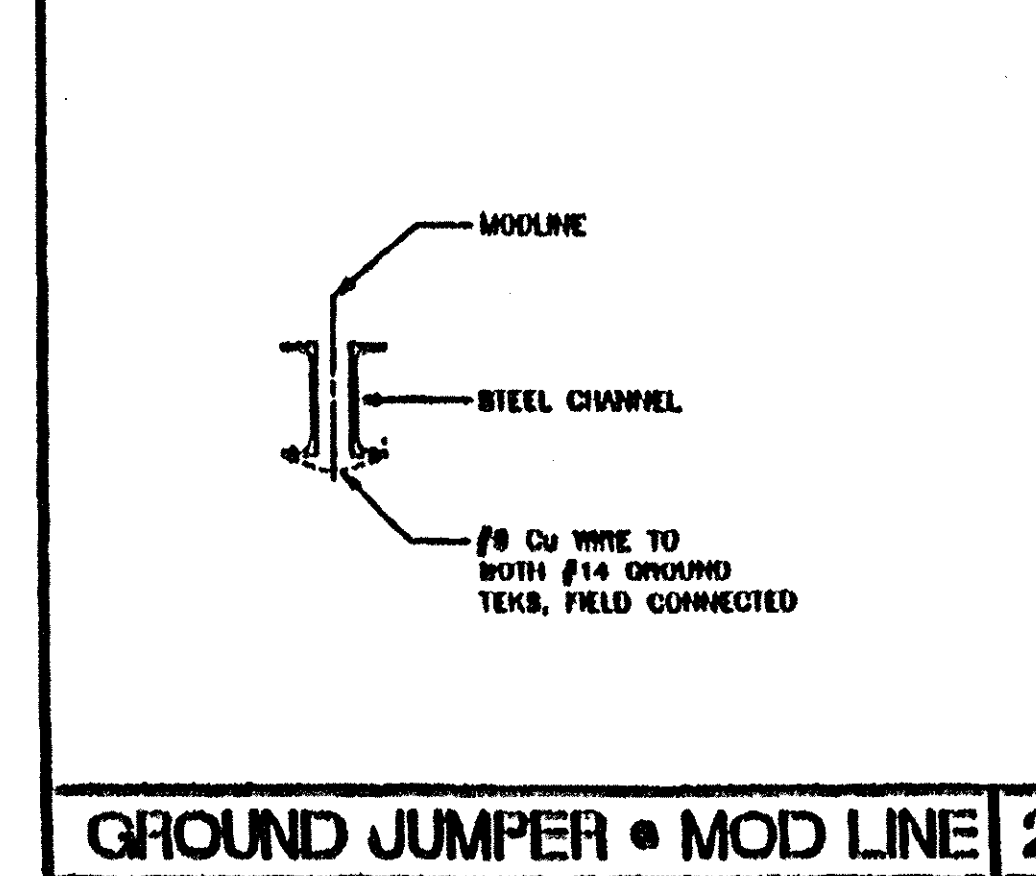
- ### ELECTRICAL LEGEND
- 2"x4" 4 TUBE FLUORESCENT LIGHT FIXTURE
 - EXTERIOR LIGHT FIXTURE AT +9.3' AFF
 - SWITCH AT +4.0' AFF
 - DUPLIX WALL RECEPTACLE 15A 125V 3 WHU AT +1.0' AFF UNM
 - HVAC UNIT (TV)
 - 4SD J-BOX FOR FIRE ALARM PULL STATION AT +4.0' AFF, 3/4" CO TO OR PULLSTRING
 - 4SD J-BOX FOR FIRE ALARM STATION AT +1.0' AFF, 3/4" CO TO PULLSTRING
 - 4SD J-BOX FOR FIRE ALARM INRM AT +1.0' AFF, 3/4" CO TO PULLSTRING
 - WEATHER PROOF GUTTER BOX (6"x6"x4") AT +1.0' AFF RECEIVE 3/4" CO FROM FA DEVICE PULL STRING
 - ELECTRICAL PANEL AT +8.0' AFF TO CENTERLINE 1 1/4" POINT NIPPLE POC, QAD JUMPER BY SITE ELECT
 - CLOCK AT +9.0' AFF
 - DATA LINE
 - 4SD J-BOX FOR HEAT DETECTOR (ATTIC) *
 - 4SD J-BOX FOR SMOKE DETECTOR (ATTIC) *



* SMOKE & HEAT DETECTORS SHOWN ARE FOR OPTION AUTOMATIC DETECTION. IF ELECTED AS AN OPTION THEY MUST BE PROVIDED BY DISTRICT. NO PROVISIONS WILL BE MADE UNDER THIS CONTRACT. AND NO EQUIPMENT WILL BE PROVIDED BY MOD-TECH.



4 TYP GROUNDING DETAIL 1



GROUND JUMPER - MOD LINE 2

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECT'S INFORMATION ONLY:
THE BEARING ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO COR TITLE 24, SECTION 1852A AND TABLE 18A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. IN TRUSS EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.
FOR ELECTRICAL DRAWINGS:
ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
EQUIPMENT ON GRADE: 20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE: 10% OF OPERATING WEIGHT
FOR FLUORESCENT MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR BRACKETED VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND BEISMIC ZONE, Z = 4
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

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ELECTRICAL PLAN (24'x40')
OBC 1998 SCALE: 1/4" = 1'-0"

REVISIONS

NO.	DESCRIPTION	DATE
1	ADD CONDUIT SIZE FOR GUTTER BOX	06-10-01

Electrical Engineer's Seal
Mechanical Engineer's Seal
Architect's Seal

PC
JUL 10 2002
PC-04
10440
DATE: JUL 10 2002

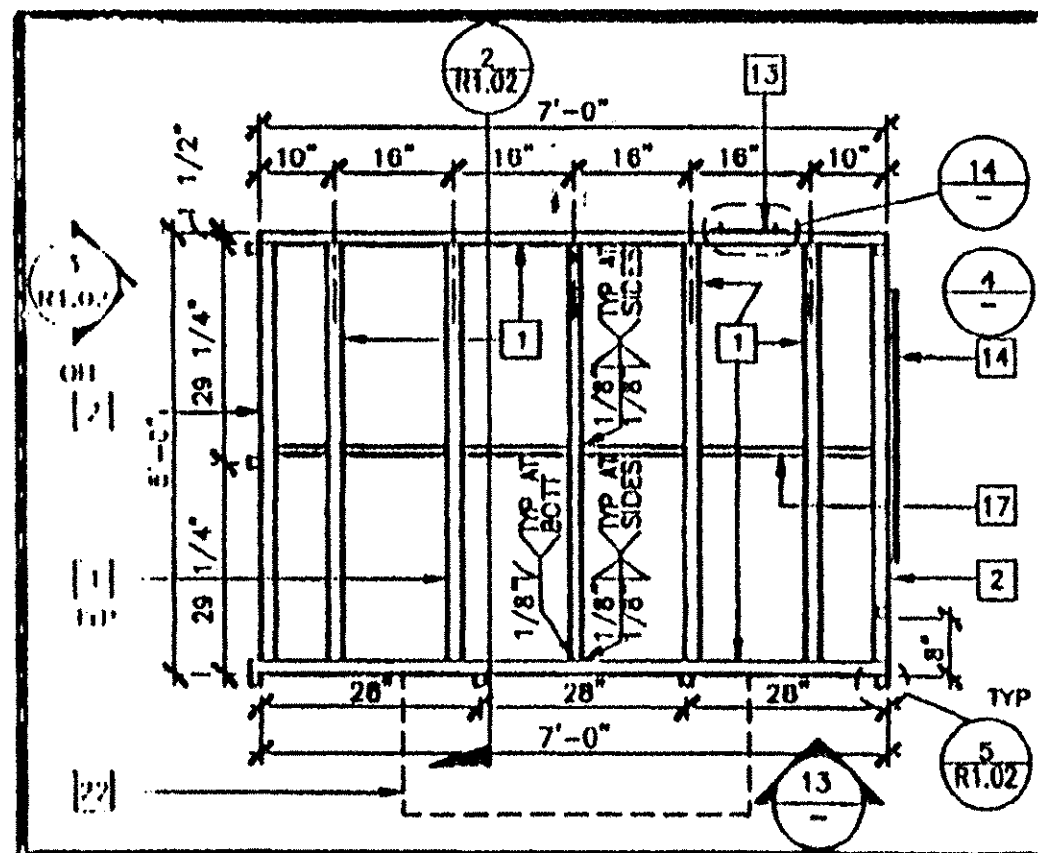
MODTECH INC.
2030 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN
ELECTRICAL PLAN w/o DATA 24'x40'

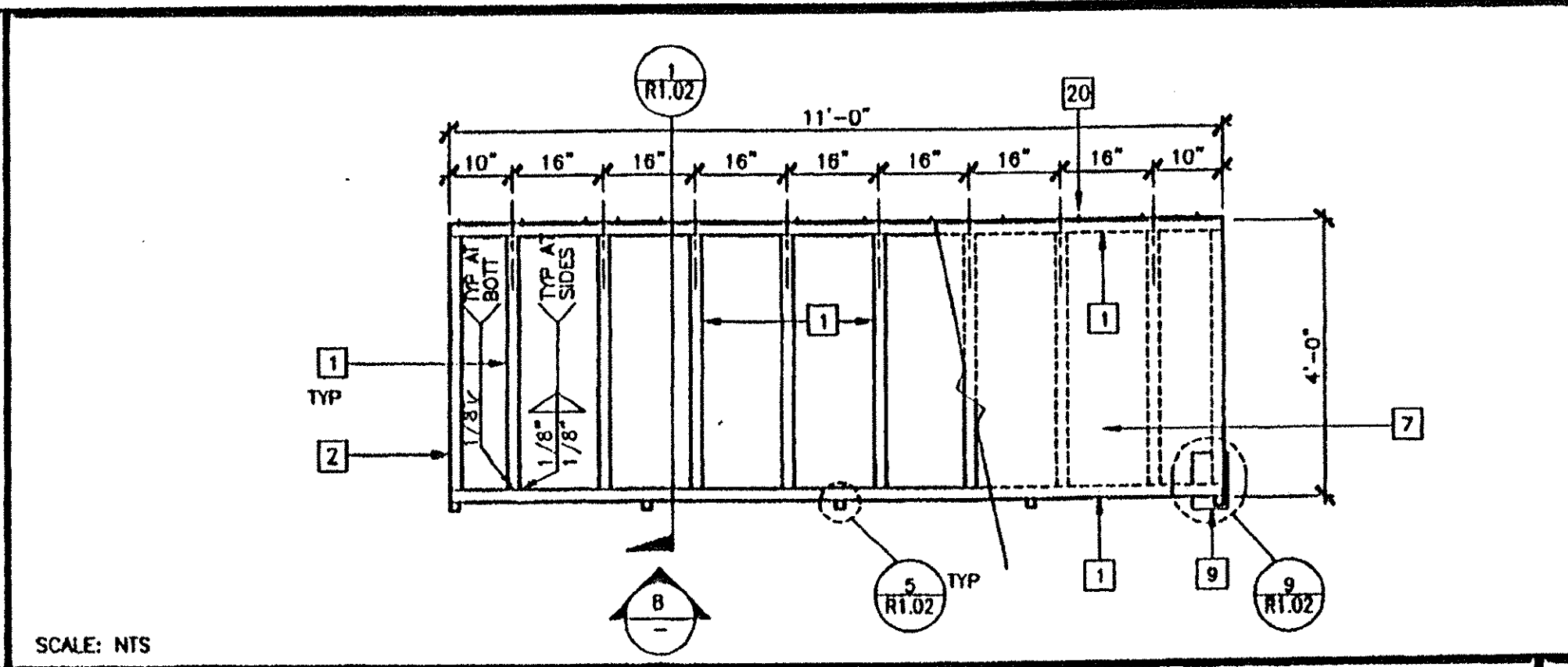
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E1.0

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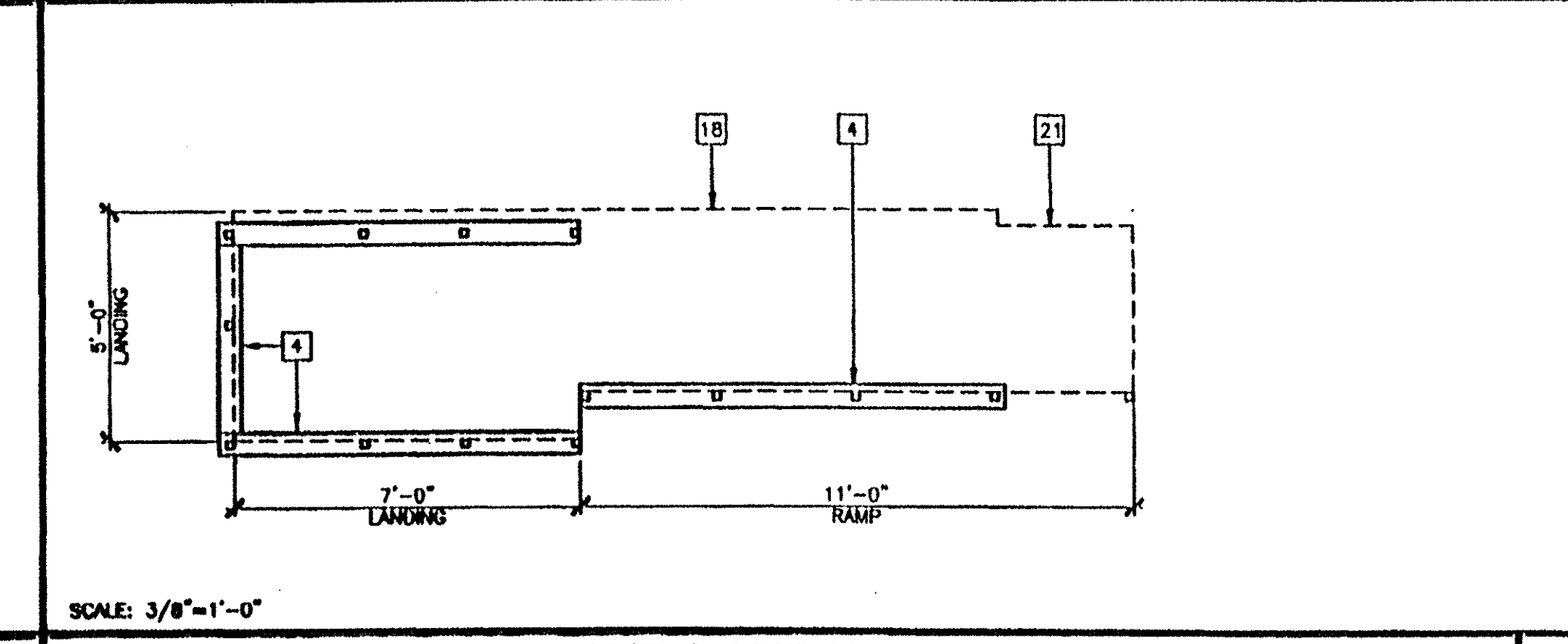
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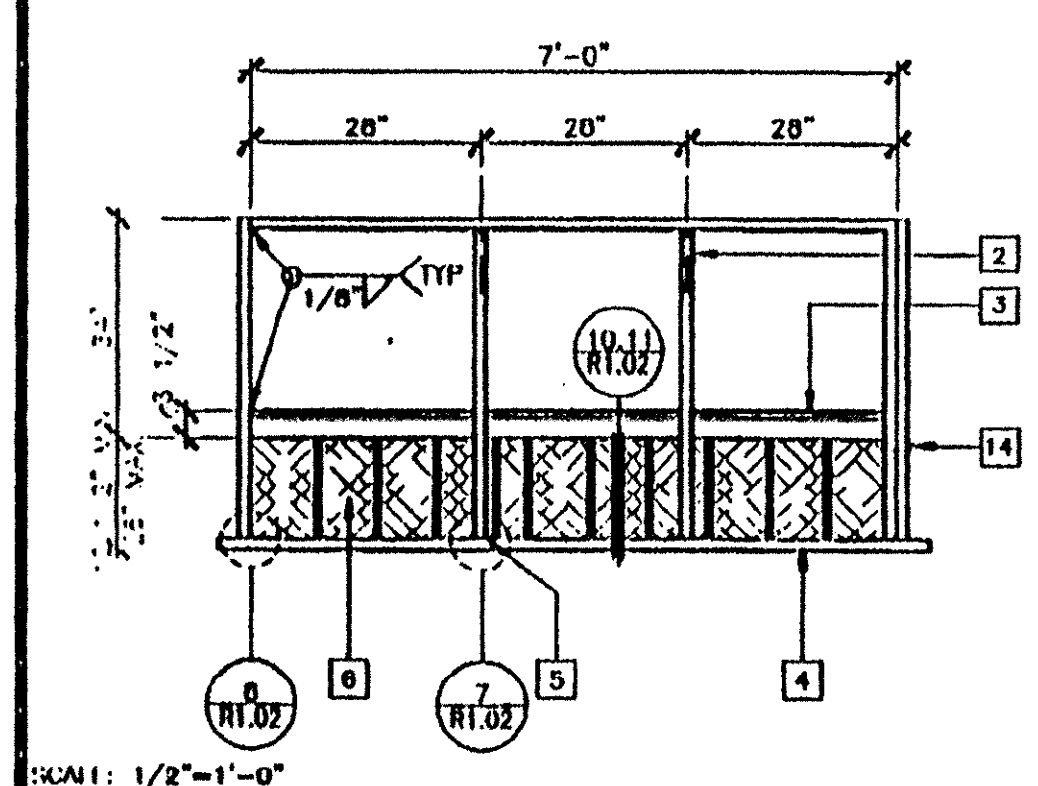
LANDING FRAME 12



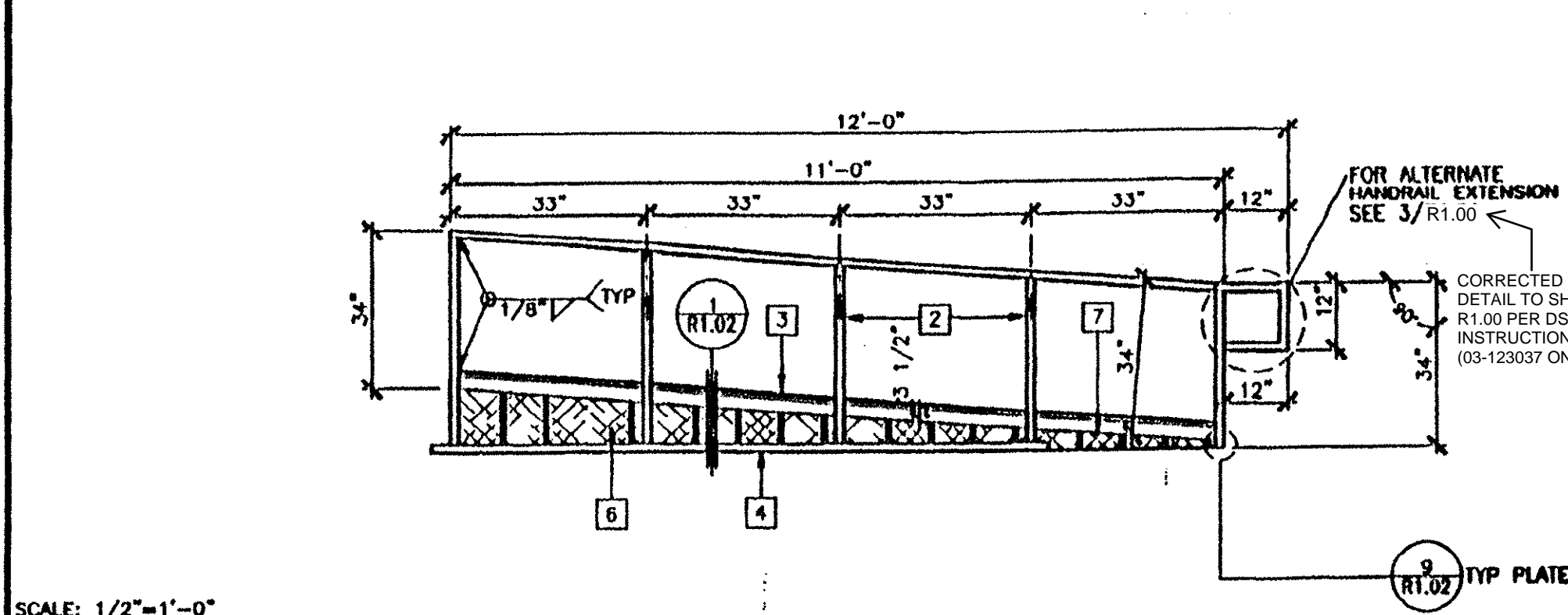
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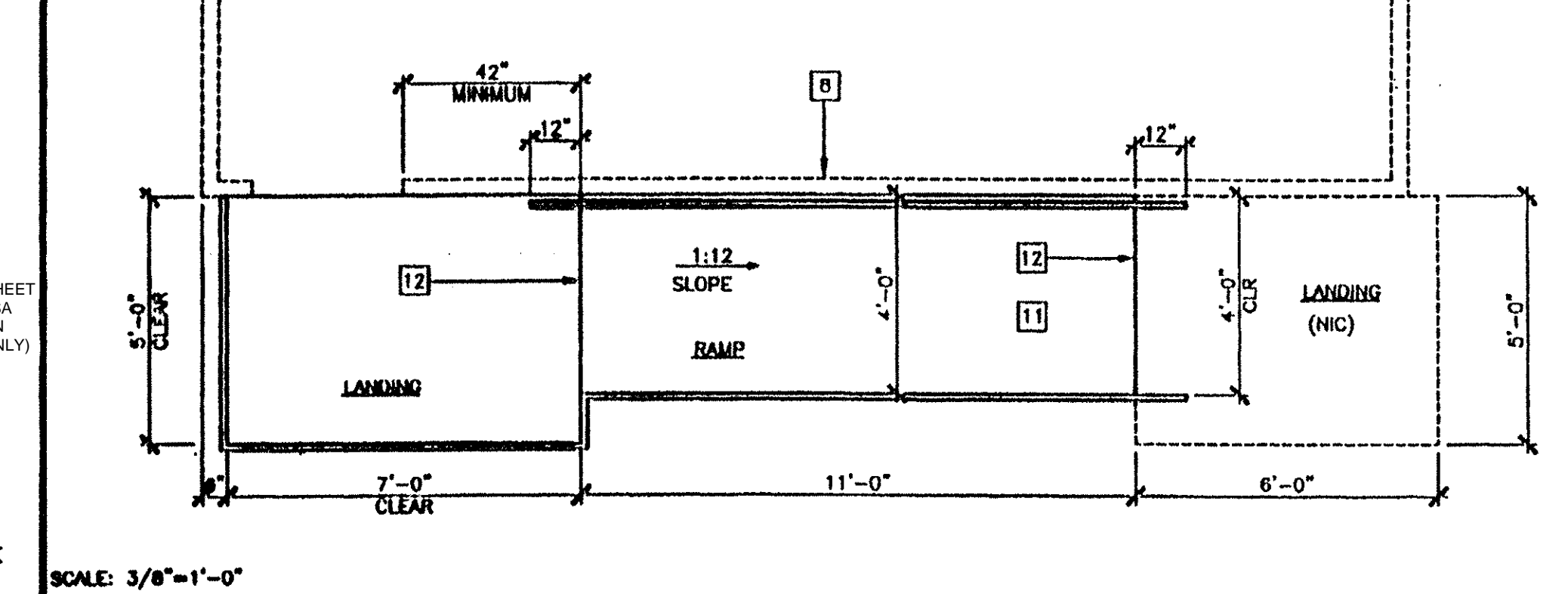
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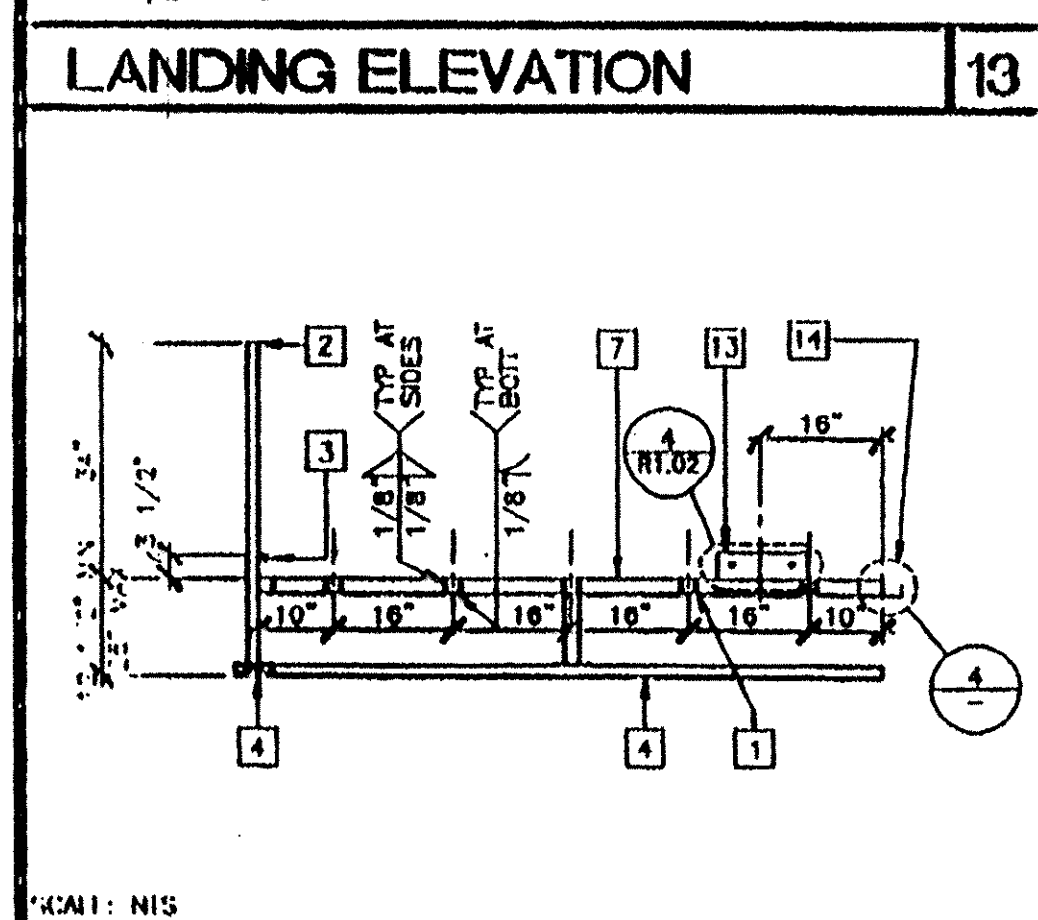
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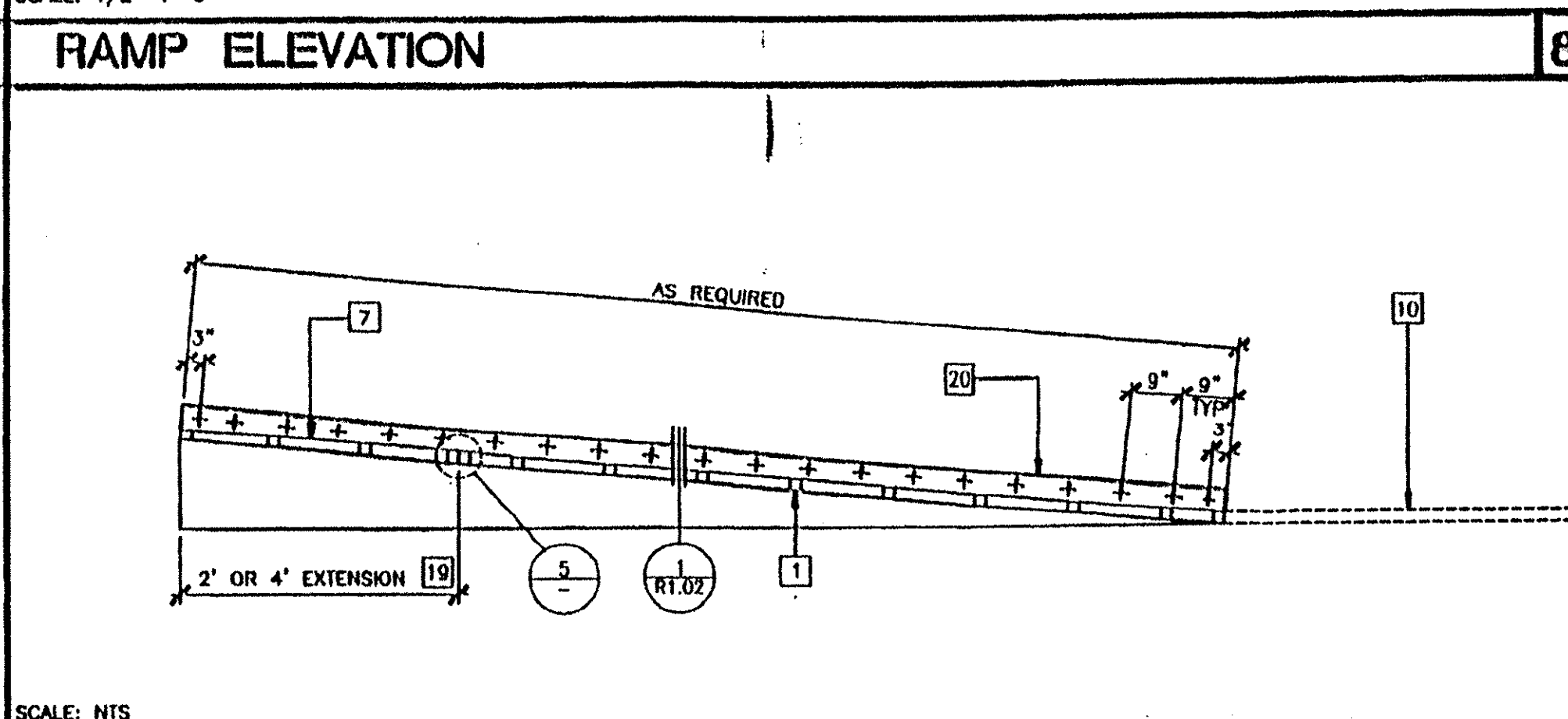
RAMP ELEVATION 8



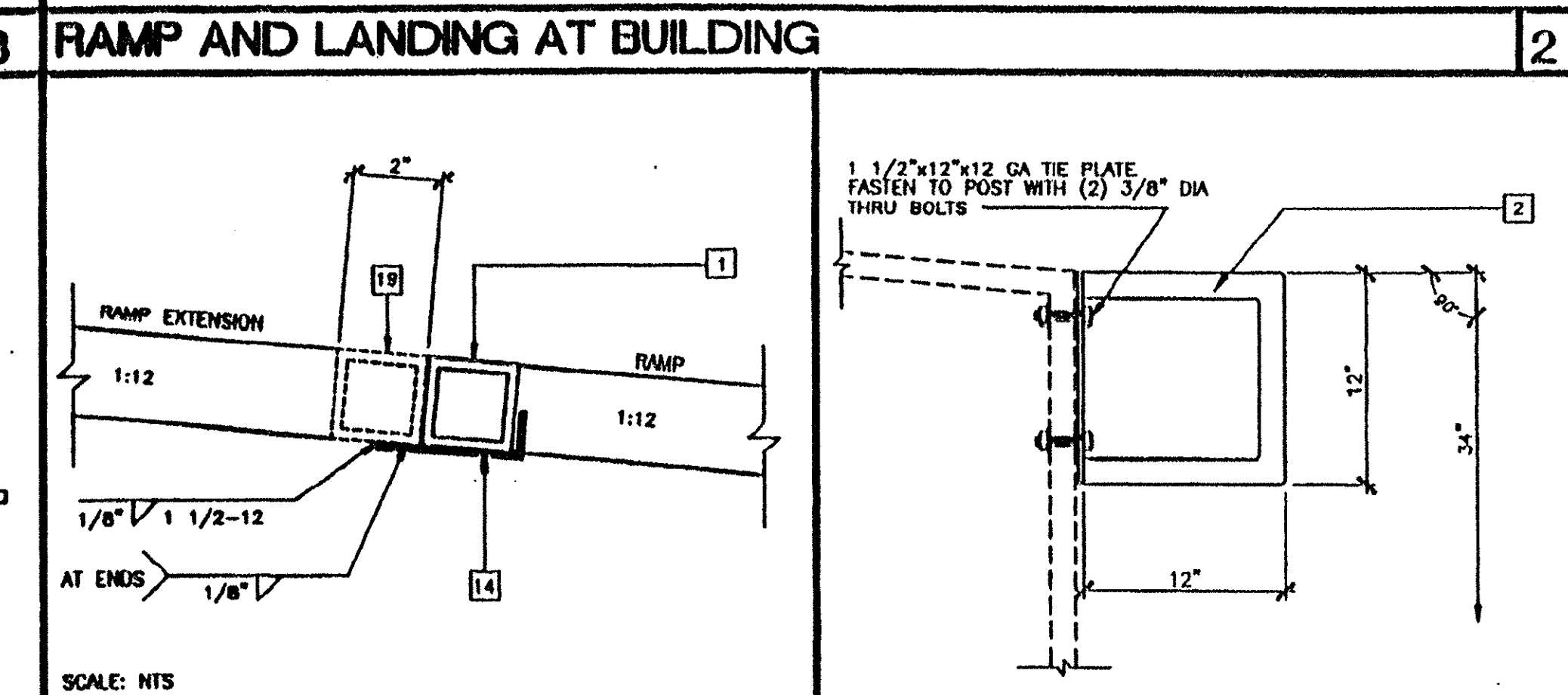
RAMP AND LANDING AT BUILDING 2



SECTION AT LANDING 14

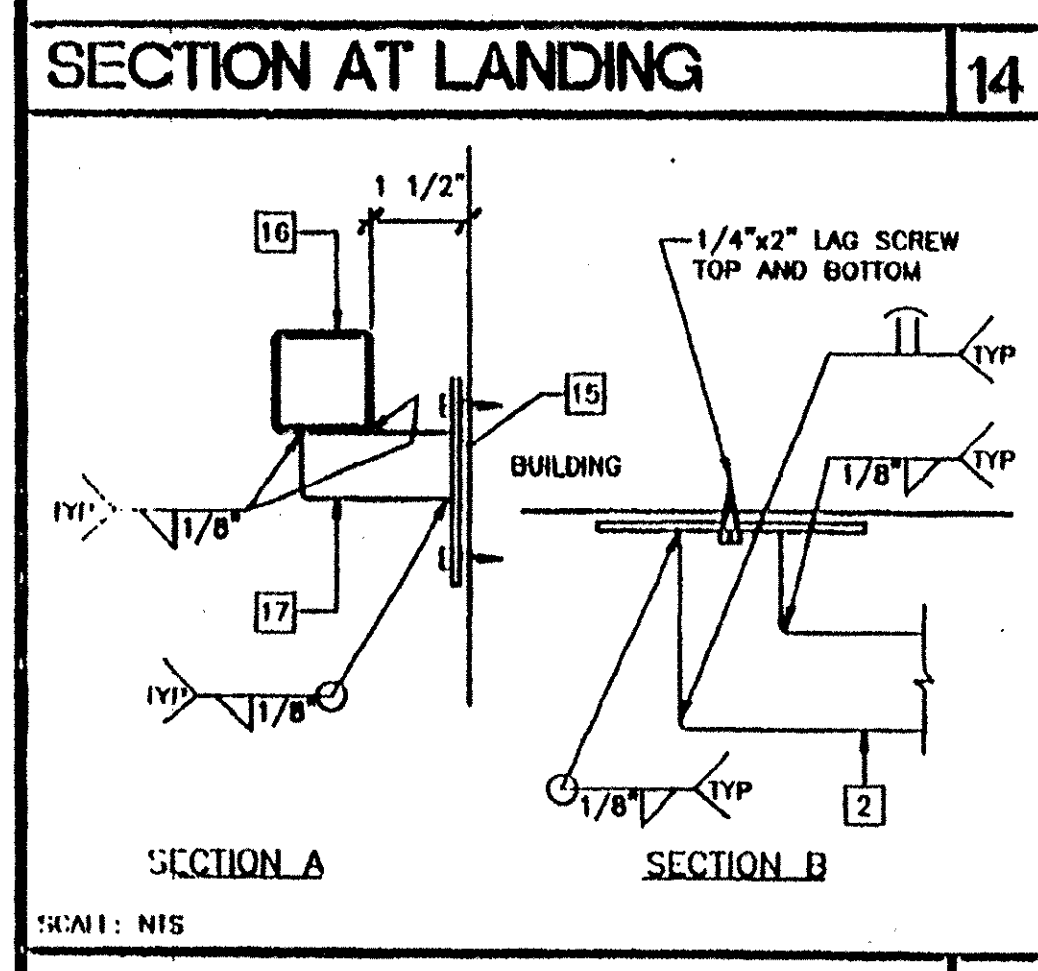


LONGITUDINAL SECTION AT RAMP 9

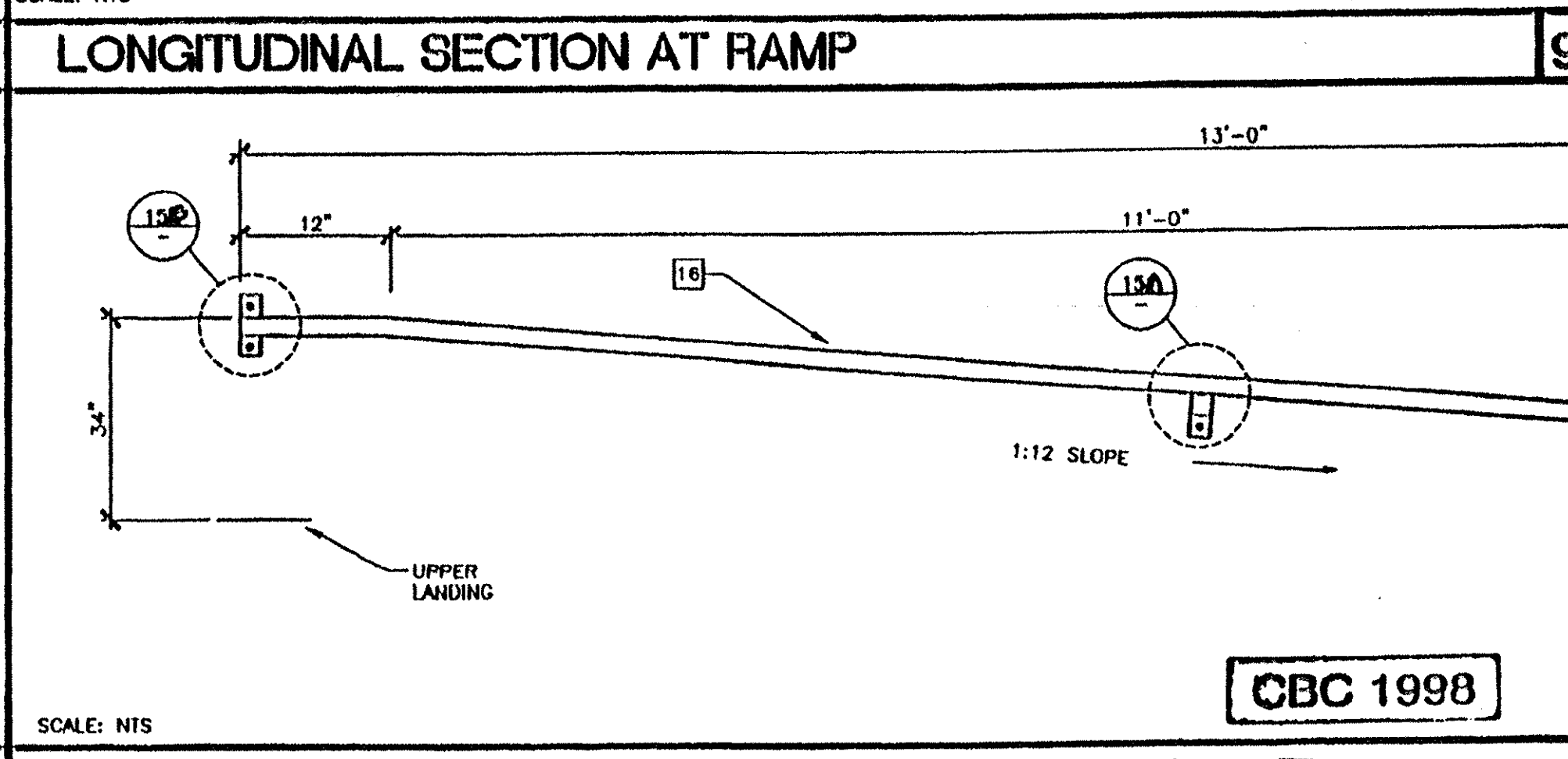


RAMP EXTENSION TO RAMP 5

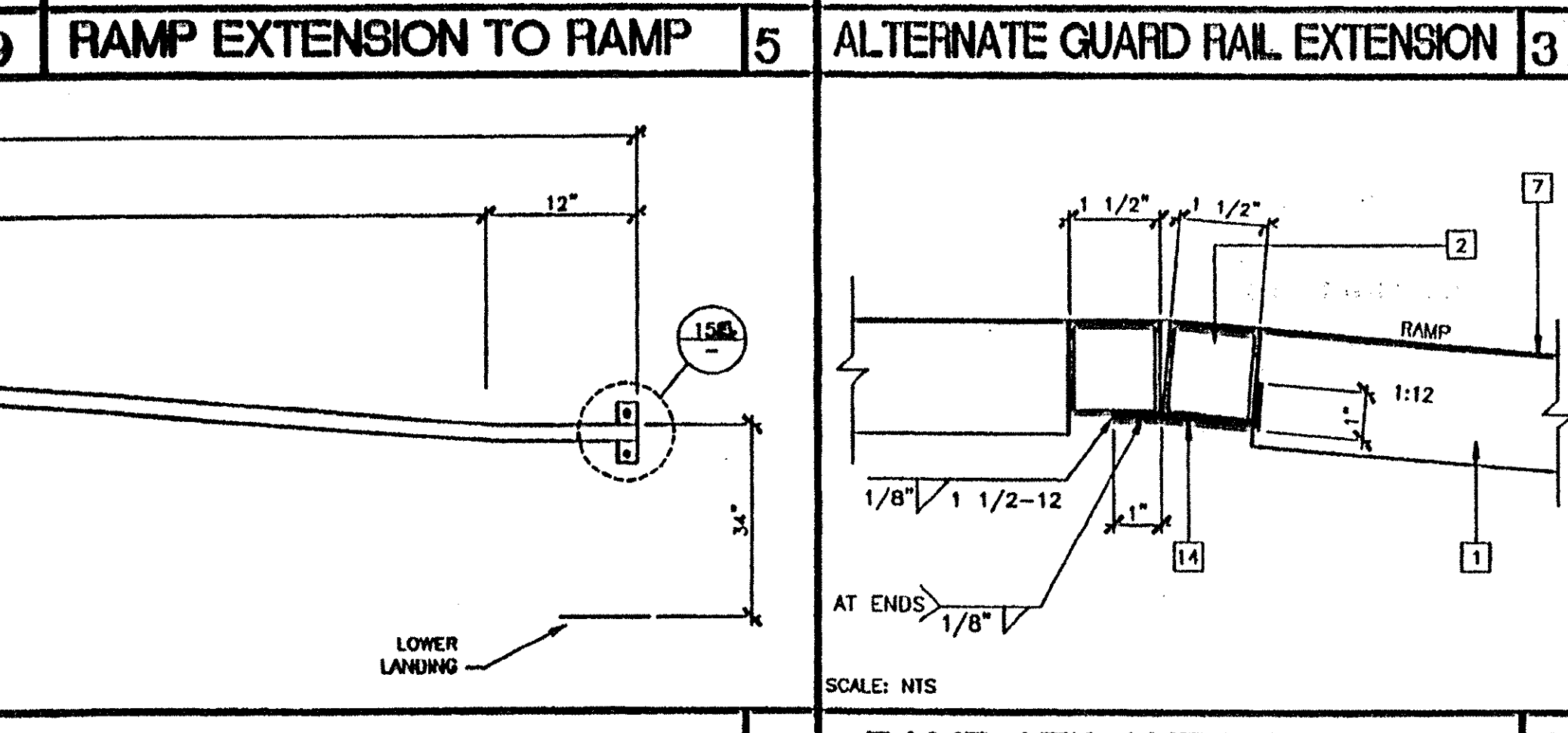
ALTERNATE GUARD RAIL EXTENSION 3



HANDRAIL CONNECTION 15



HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



RAMP AT LANDING 4

NOTES

- RAMP: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
- HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
- SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
- GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
- ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
- ALL 1 1/4" AND 1 1/2" TUBE STEEL TO III (V) ASTM A500 GRADE A STEEL (Fy = 39 KSI)

REVISIONS

NO.	DESCRIPTION	DATE

Professional seals for Electrical Engineer, Mechanical Engineer, and Architect. Includes the Professional Engineer Seal for the State of California and the Professional Architect Seal for the State of California.

MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4097
 WILLIAMS SCOTSMAN
 © MODTECH, INC. 1999

DRAWN BY: WQ
 DATE: 3/6/02
 CHECKED BY:
 DATE:
 MODTECH PROJECT NO.
R1.00

RAMP/LANDING 1:12 RAMP

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-123037 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

KEY NOTES

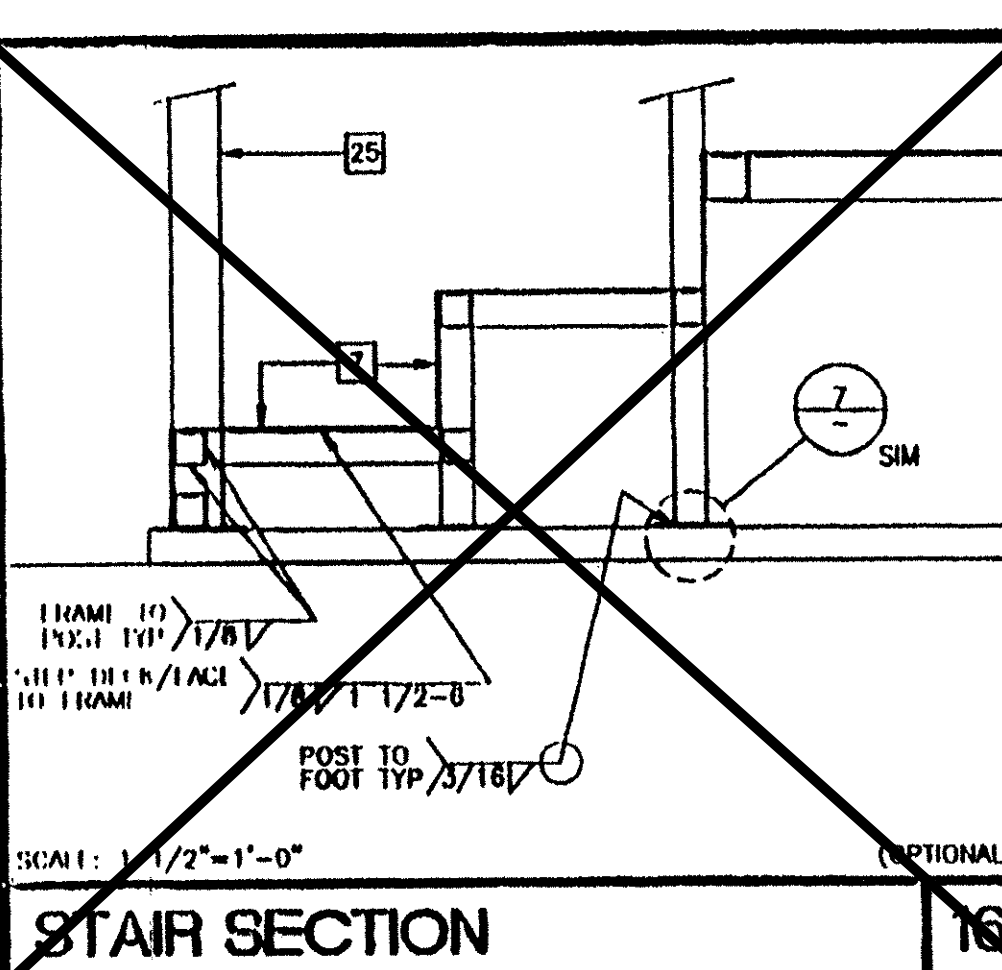
- 1 TS 2"x2"x14 GA
- 2 TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI). ROUND AT CORNERS.
- 3 TS 1"x1"x16 GA W/11CHWIR GUIDE
- 4 2"x6" PRESSURE TREATED SILL PLATE
- 5 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
- 6 SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES; AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" IIK SCREWS AT 6" OC
- 7 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.2. MAINTAIN 1" FOR 1 YR PROVIDE ROUNDED OR BEVELLED EDGES ON STAIR NOSING.
- 8 EXISTING BUILDING.
- 9 6"x10"x12 GA BASE PLATE AT RAMP TOE.
- 10 LOWER LANDING BY DISTRICT
- 11 RAMP BY MODTECH
- 12 FLUSH TRANSITION
- 13 PAVE BY DISTRICT
- 14 3"x1"x3'-0"x10 GA BENT PLATE
- 15 FASTEN POSTS WITH 3/8" DIA THRU BOLT. TYPICAL
- 16 RAMP LANDING, TYPICAL
- 17 26 GA FLASHING
- 18 3/8" DIA 2" LONG MU WITH NUT & WASHERS
- 19 CAULKING
- 20 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x7" TEK SCREWS INTO METAL AT 9" OC
- 21 PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
- 22 TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
- 23 4" MINIMUM BUILDING SEPARATION
- 24 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
- 25 TS 2 1/2"x1 1/2"x8 GA ASTM A503
- 26 2"x2" NAILER WITH 16d AT 12" OC

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 104310
 AC FLS
 DATE JUN 06 2022

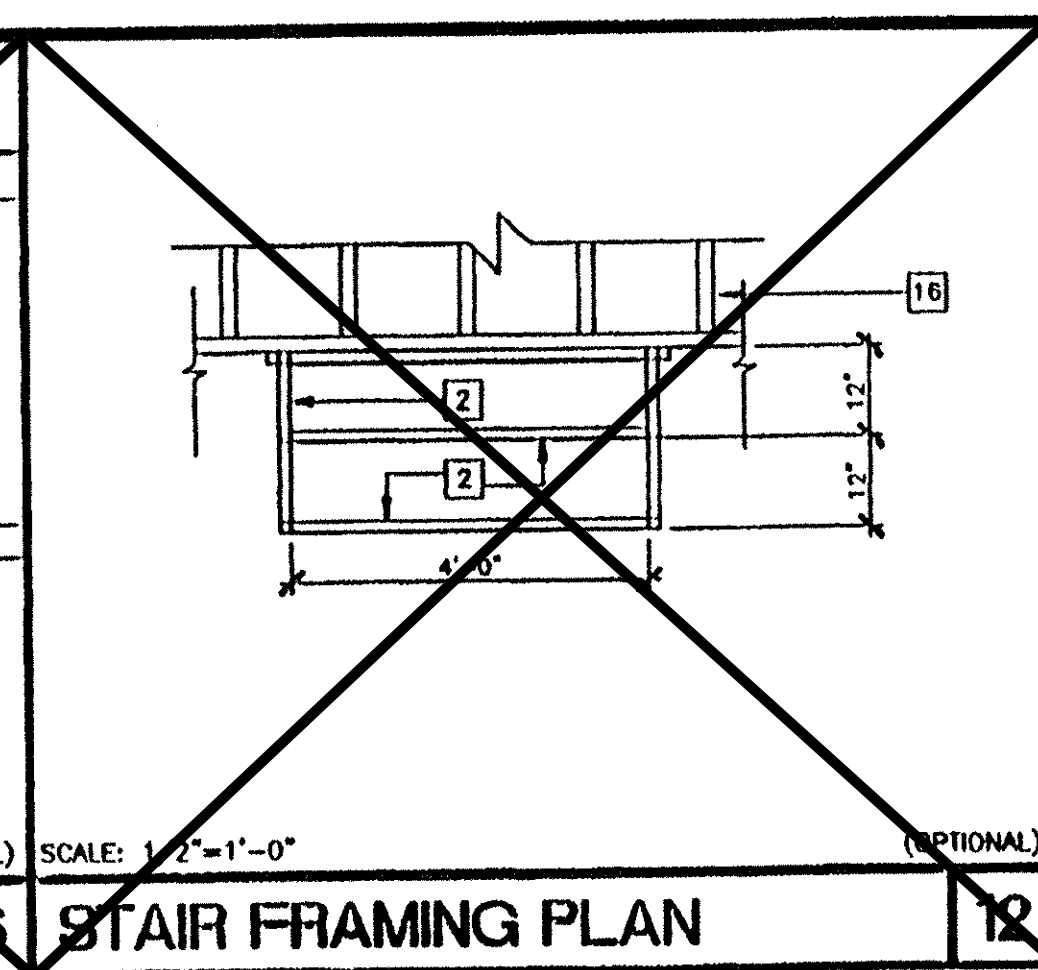
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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 100083
 AC FLS
 DATE MAR 21 2022~~

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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 8075
 AC FLS
 DATE JUL 29 2022~~

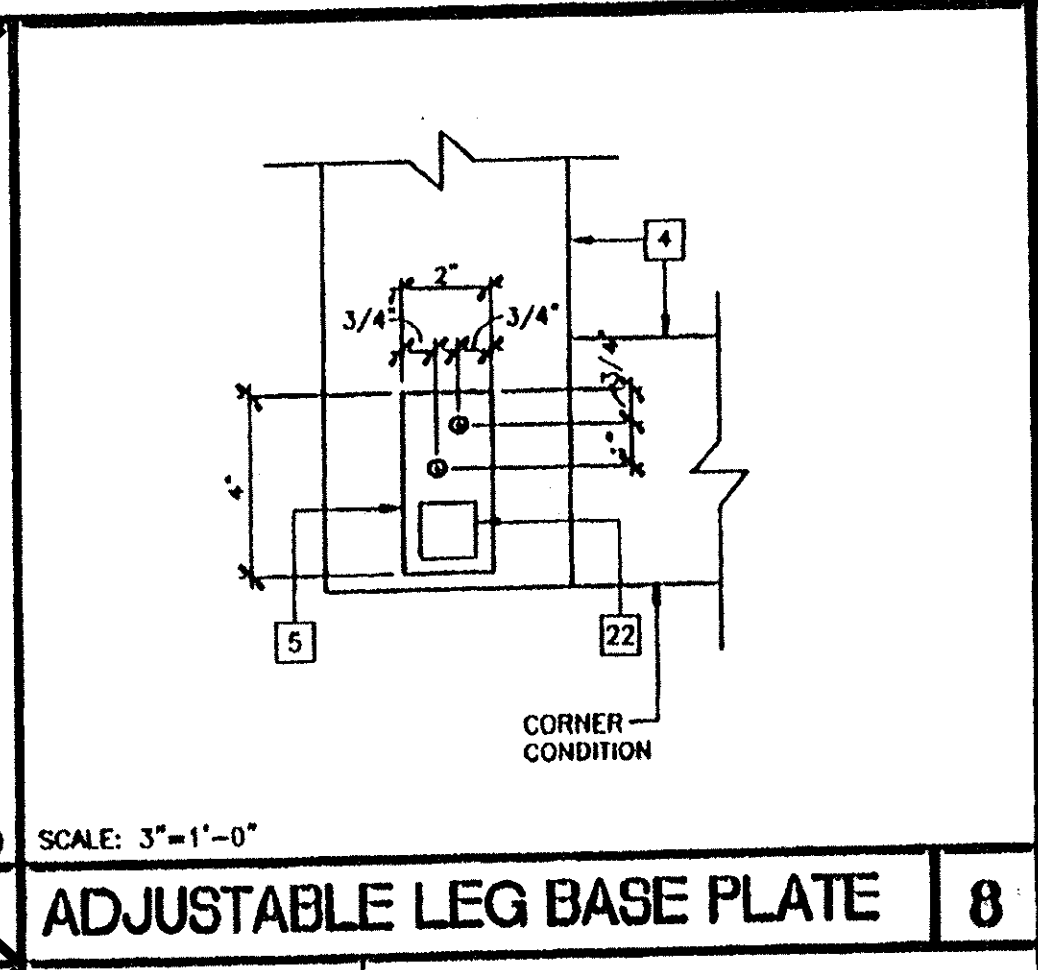
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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
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 AC FLS
 DATE MAR 09 2020~~



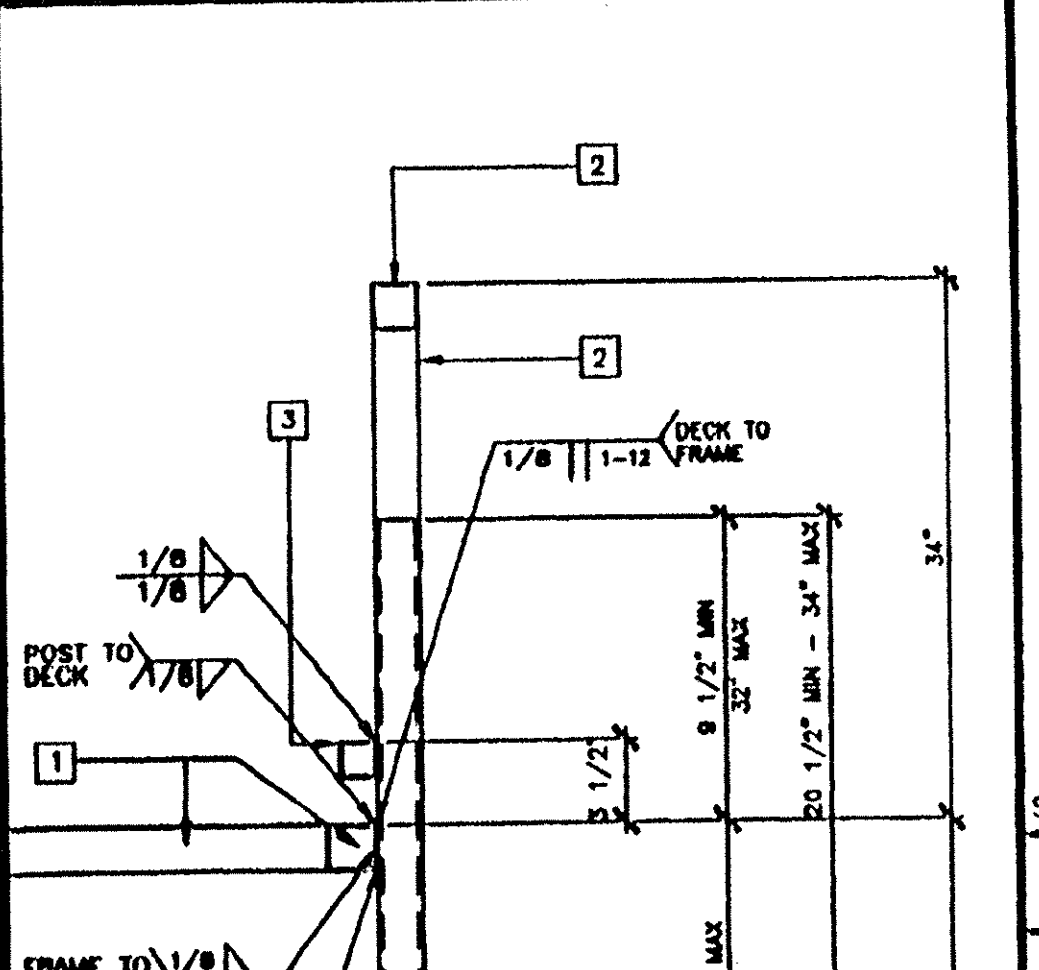
STAIR SECTION



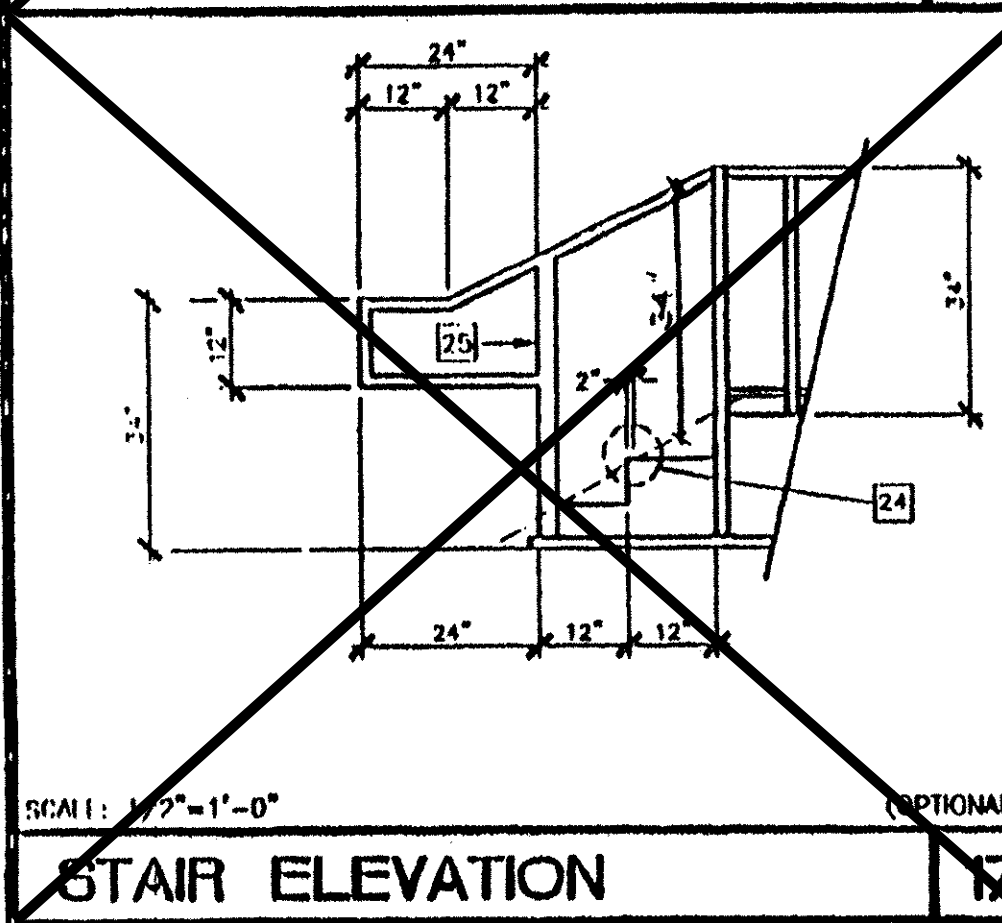
STAIR FRAMING PLAN



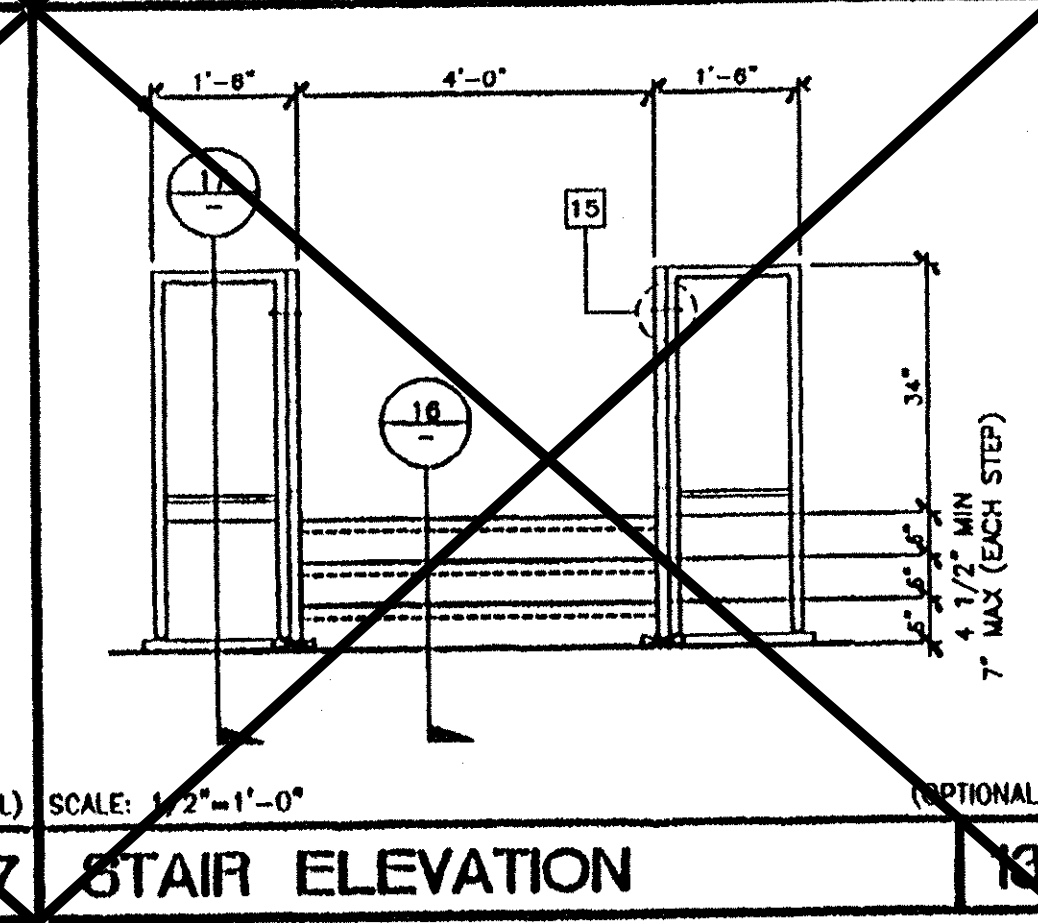
ADJUSTABLE LEG BASE PLATE



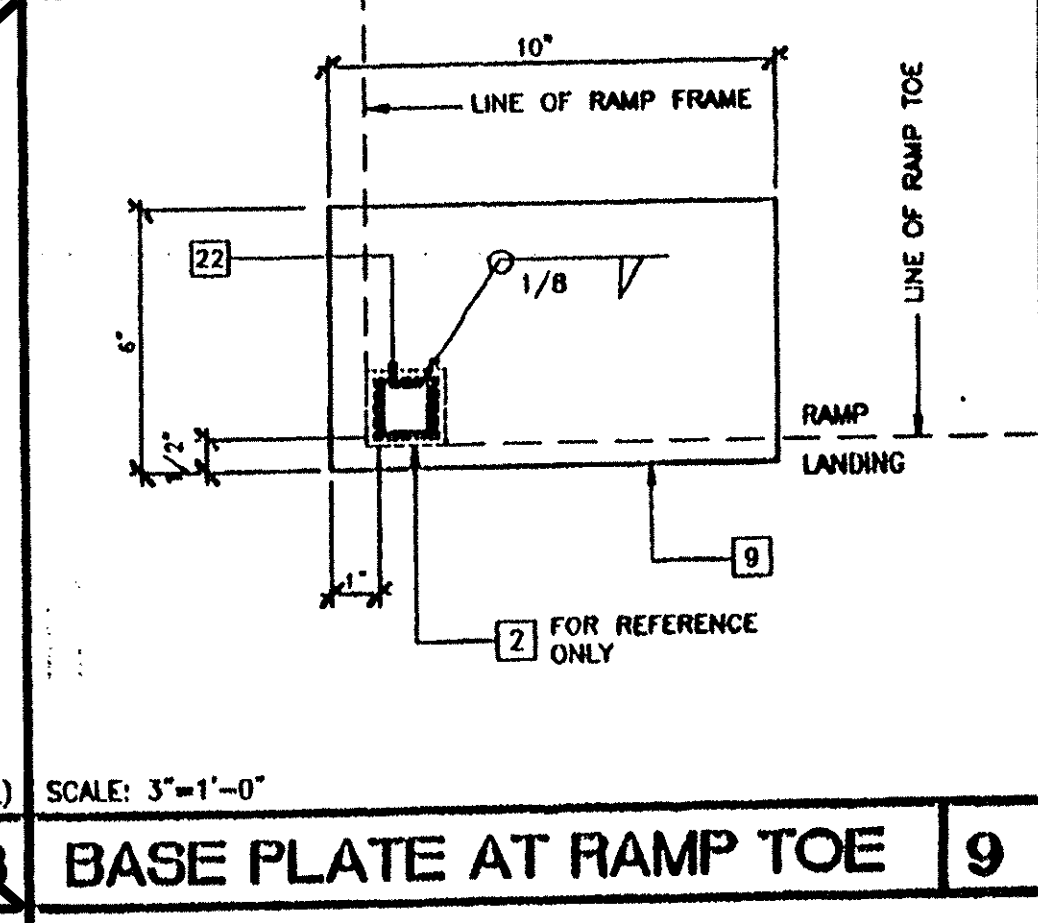
SECTION AT RAMP



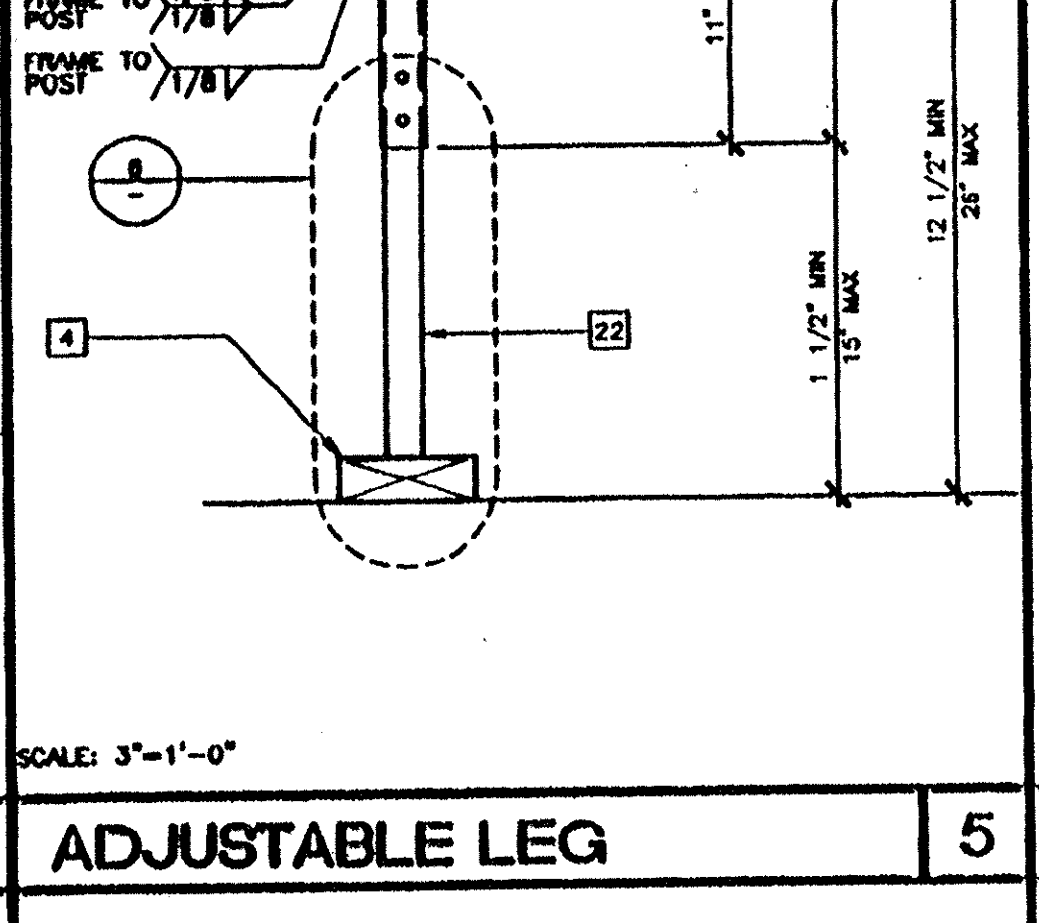
STAIR ELEVATION



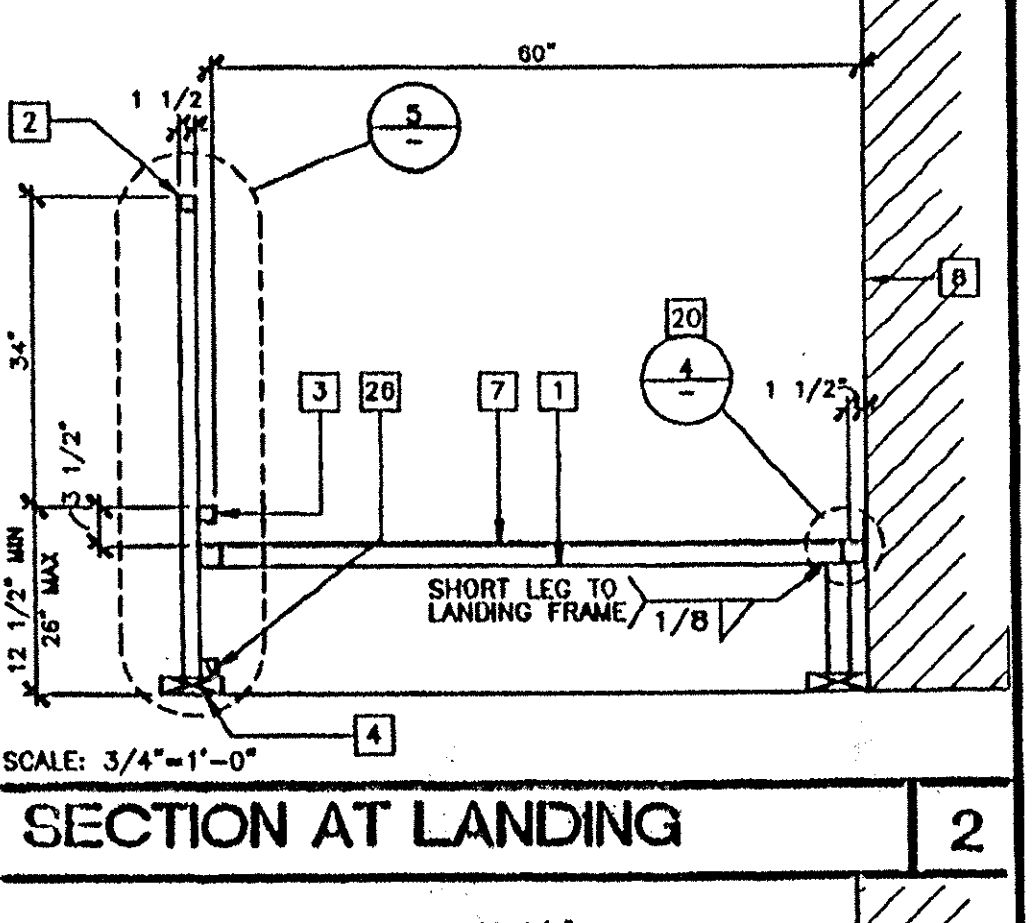
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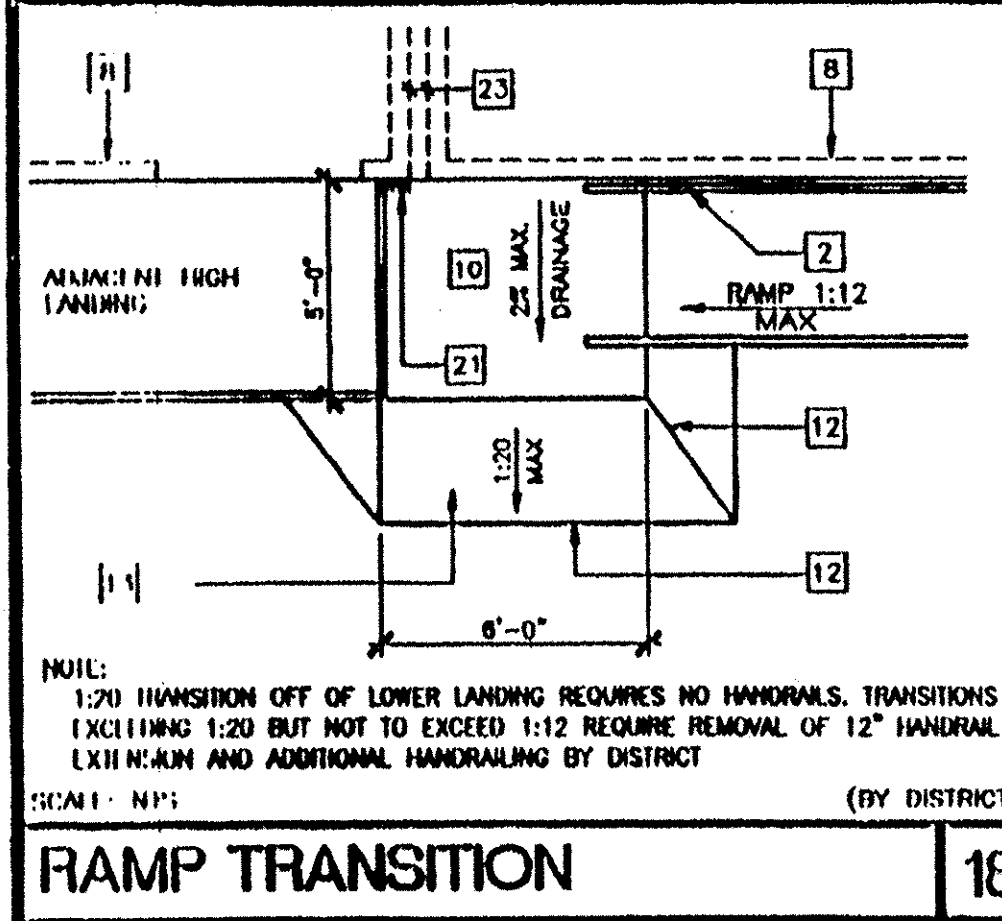
BASE PLATE AT RAMP TOE



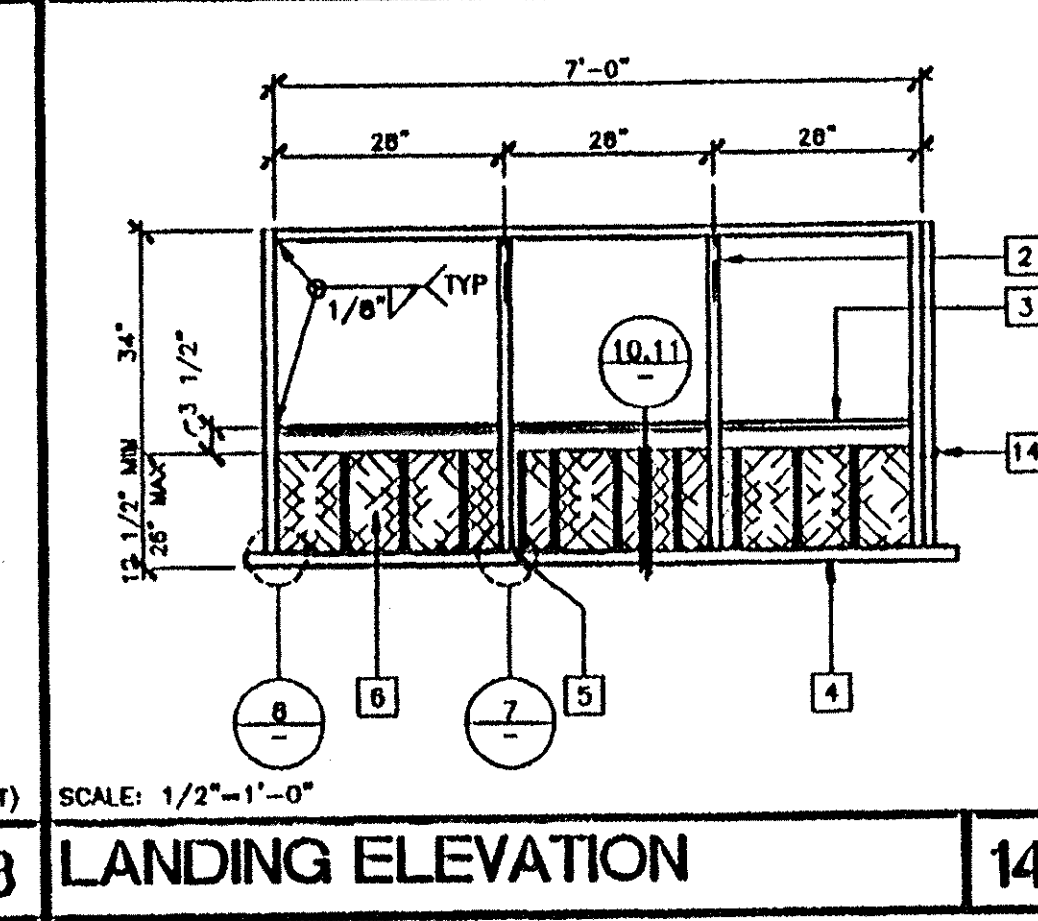
ADJUSTABLE LEG



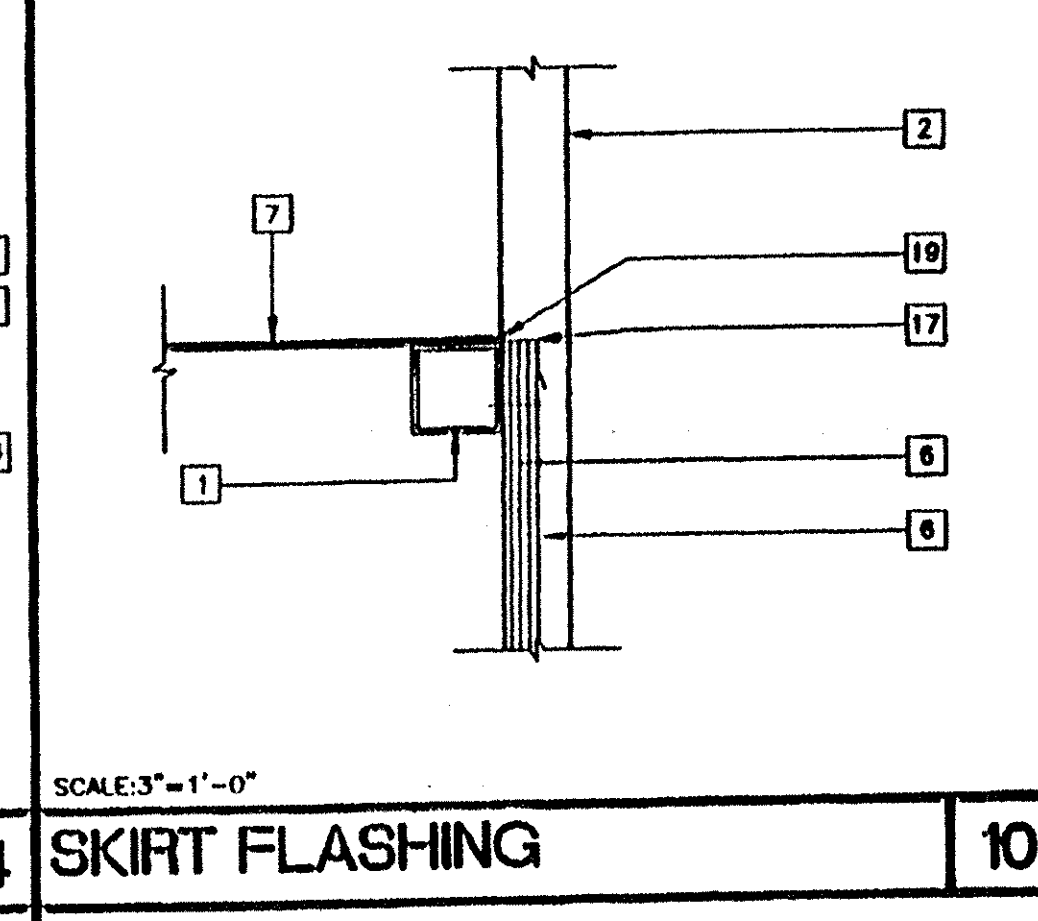
SECTION AT LANDING



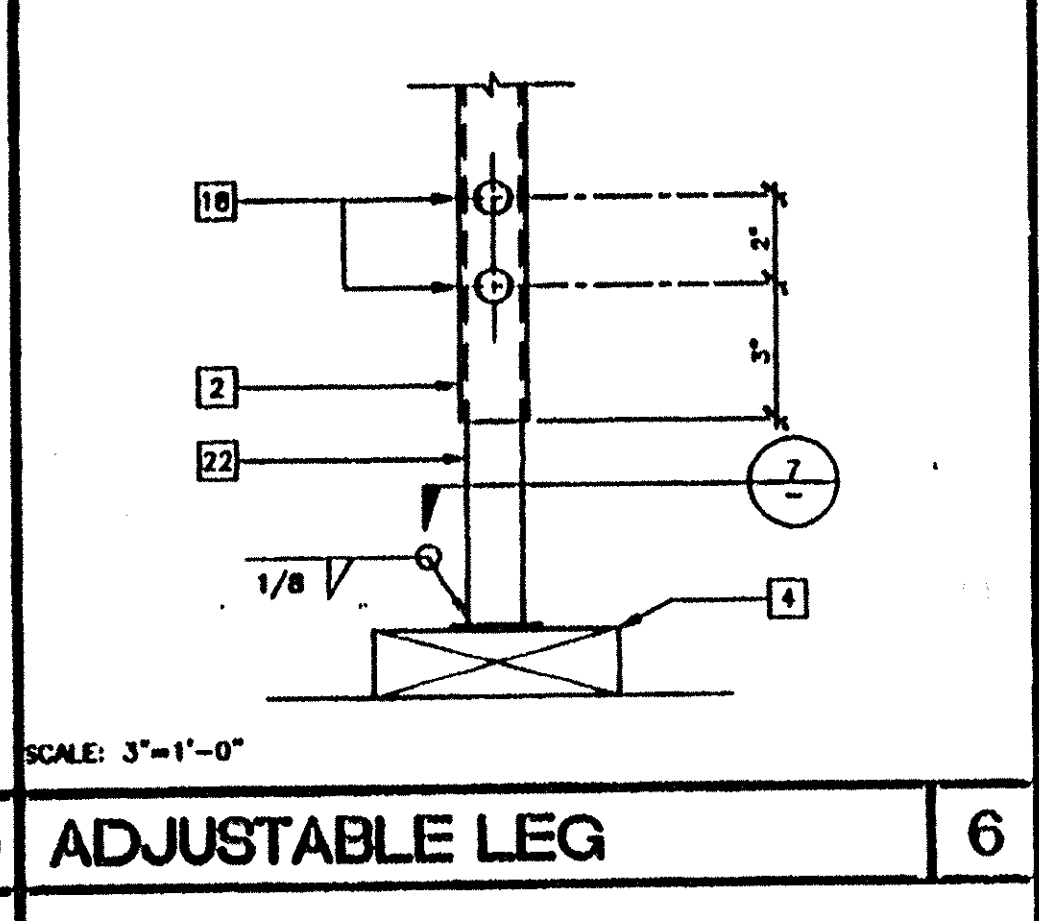
RAMP TRANSITION



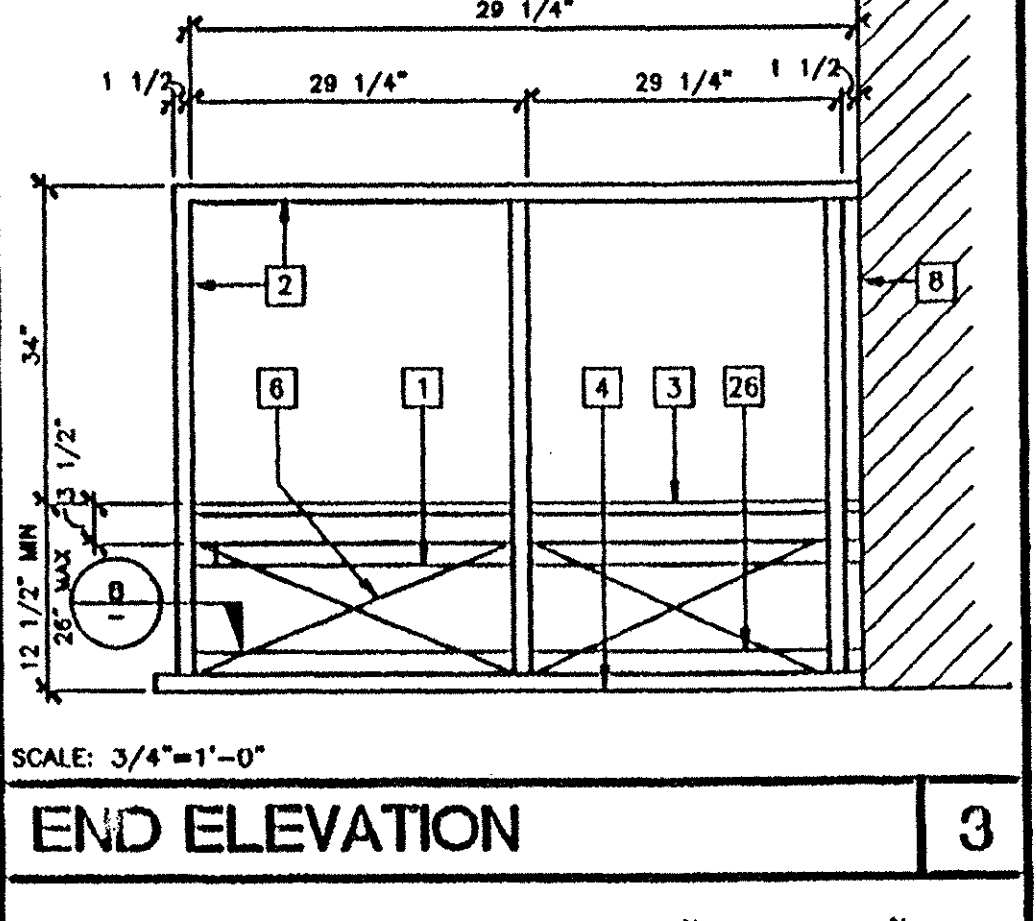
LANDING ELEVATION



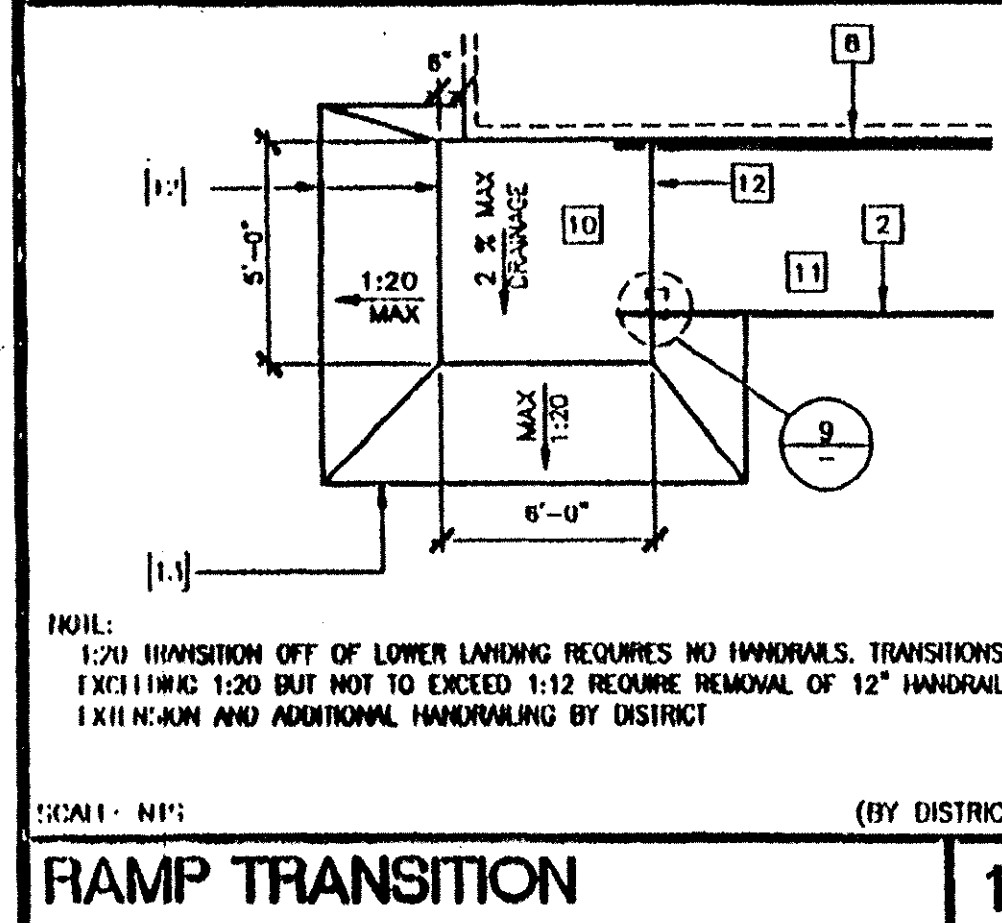
SKIRT FLASHING



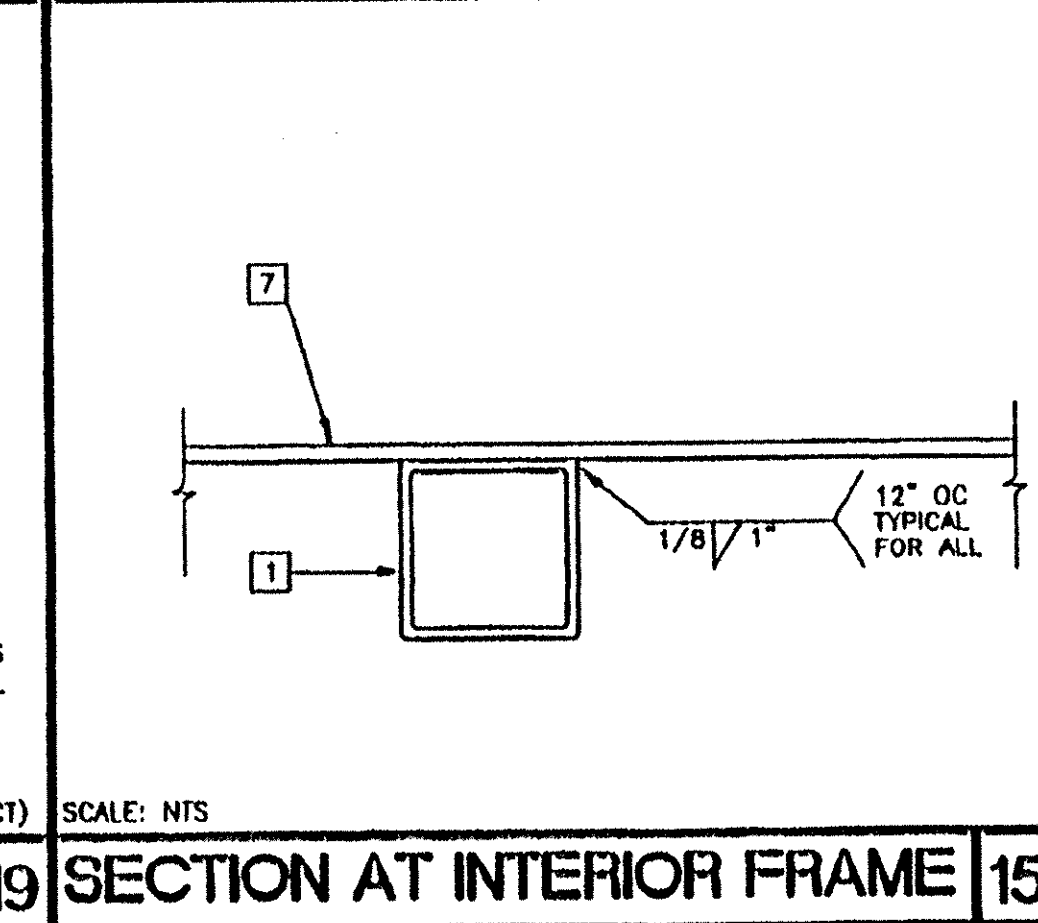
ADJUSTABLE LEG



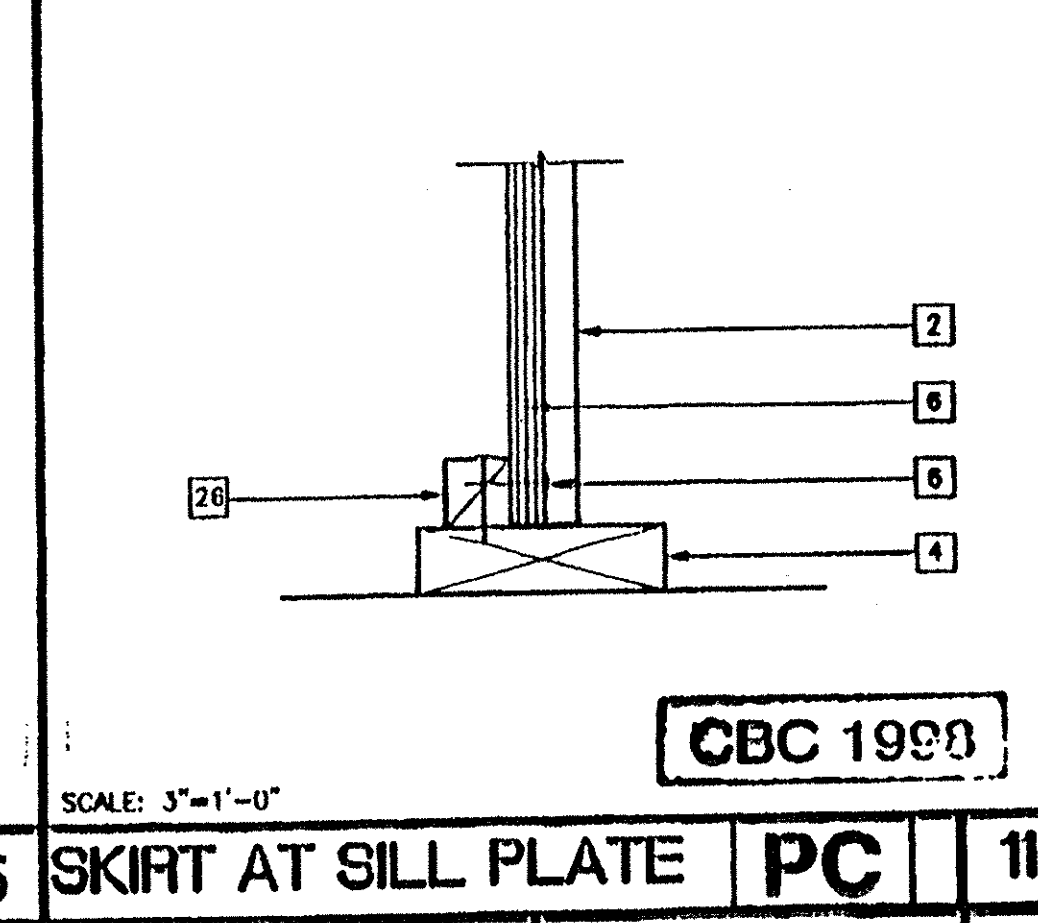
END ELEVATION



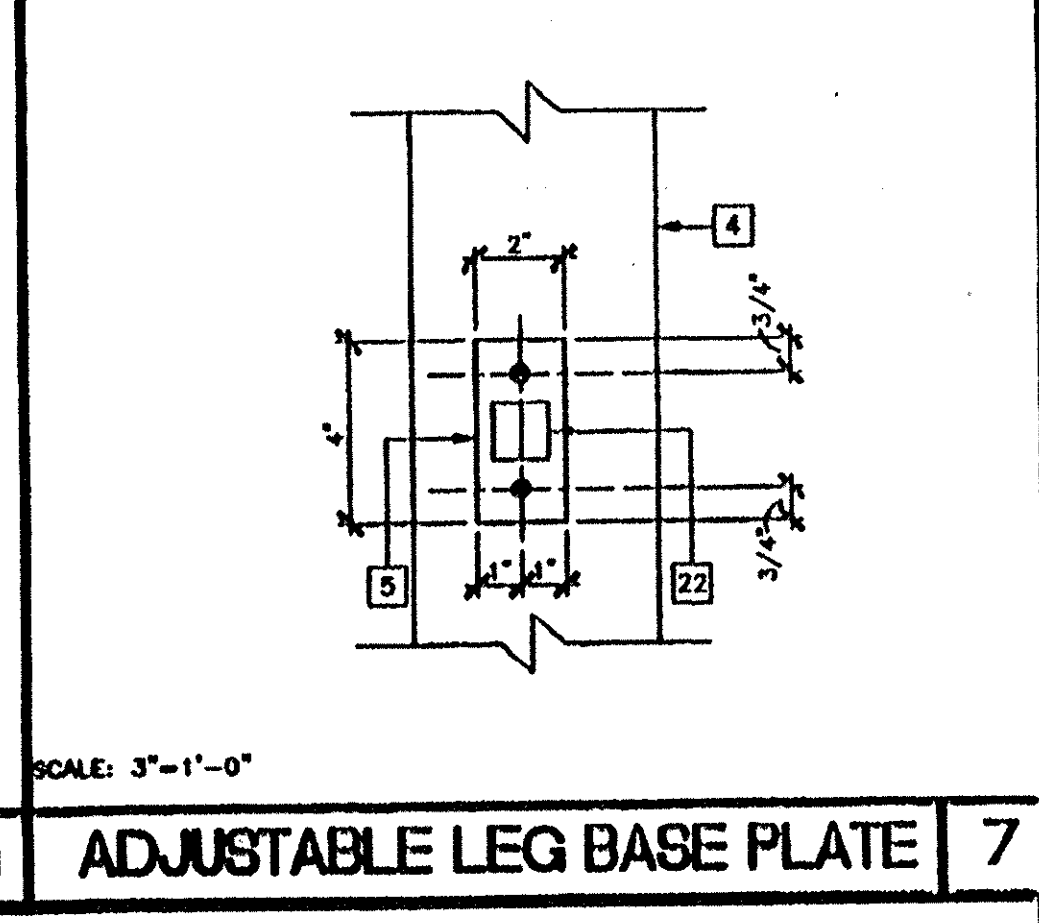
RAMP TRANSITION



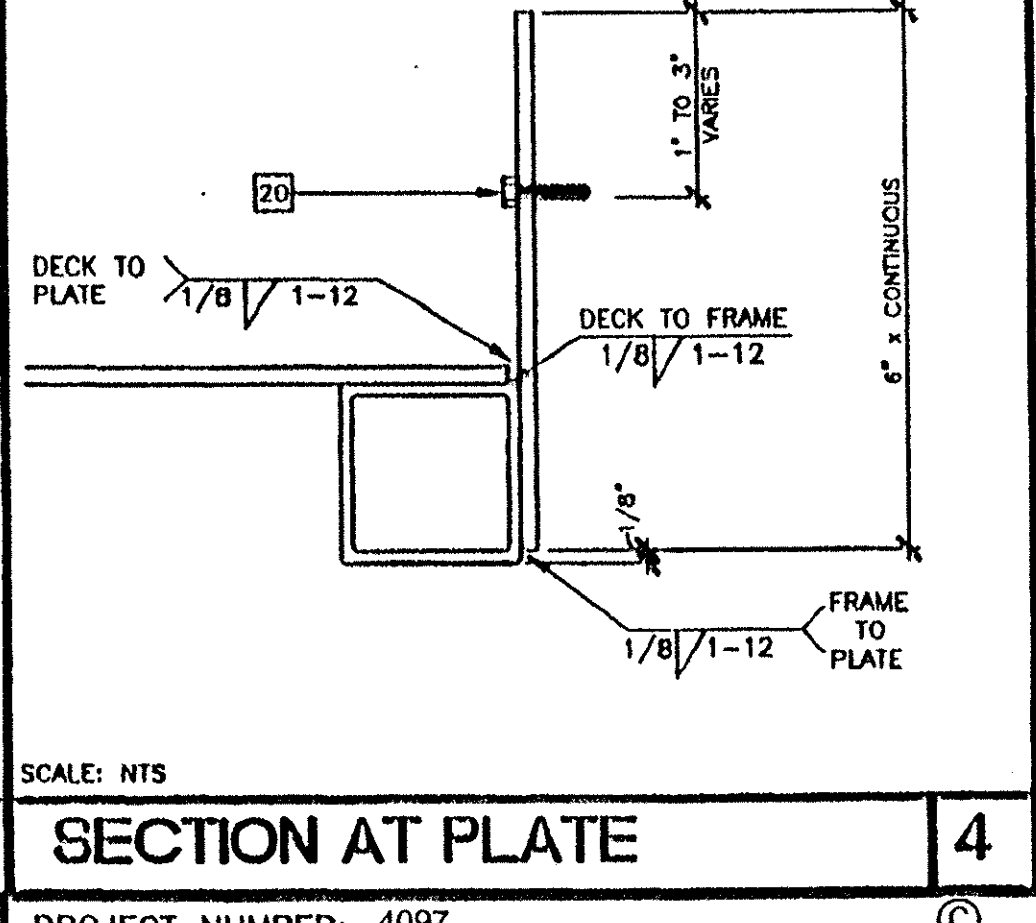
SECTION AT INTERIOR FRAME



SKIRT AT SILL PLATE



ADJUSTABLE LEG BASE PLATE



SECTION AT PLATE

REVISIONS

NO.	DATE	DESCRIPTION

Electrical Engineer's Seal
 Mechanical Engineer's Seal
 Structural Engineer's Seal
 Architect's Seal

Professional Engineer Seal
 State of California

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC-04
 101419
 AC FLS
 DATE OCT 25 2021

MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4097
 WILLIAMS SCOTSMAN
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 DRAWN BY: WQ
 DATE: 3/6/02
 CHECKED BY:
 DATE:

R1.02

4097



ELITE MODULAR WOOD & CONCRETE FOUNDATIONS PC

ELITE MODULAR LEASING & SALES, INC.
P.O. BOX 78447 CORONA CA 92877
PHONE: 951-422-2500 FAX: 951-943-3074

NOTE:
BELOW STATEMENT APPLICABLE AT W.U.I. AREAS ONLY

FOUNDATION PC OPTION TO BE COMPLIANT WITH WILD/ URBAN INTERFACE ZONE (W.U.I.)

- EXTERIOR UNDER FLOOR VENTS TO BE FULLY COVERED WITH CORROSION RESISTANT MESH. OPENINGS TO BE NO LESS THAN 1/16" BUT NO MORE THAN 1/8" IN SIZE PER CBC 706A
- EXTERIOR WALLS MUST BE COMPRISED OF NON-COMBUSTIBLE MATERIAL PER CBC 707A
- THE SKIRTING BETWEEN THE FLOORS AND THE GRADE MUST BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL PER CBC 707A

NOTE: SEE DETAILS 6, 7, 8 & 9 ON SHEET WFD-01 FOR (W.U.I.) DETAIL REFERENCES

SHEET INDEX

SHT NO.	COVER PAGE
CP	COVER PAGE
WOOD FOUNDATION	
WFS-01	STRUCTURAL SPECIFICATIONS - WOOD FOUNDATIONS
WF-04	WOOD FOUNDATION PLAN - 24' X 40' (50+15 PSF)
WF-05	WOOD FOUNDATION PLAN - 36' X 40' (50+15 PSF)
WF-06	WOOD FOUNDATION PLAN - 48' X 40' (50+15 PSF)
WF-07	WOOD FOUNDATION PLAN - 24' X 40' (100+15F)
WF-08	WOOD FOUNDATION PLAN - 36' X 40' (100+15F)
WF-09	WOOD FOUNDATION PLAN - 48' X 40' (100+15F)
WF-10	WOOD FOUNDATION PLAN - 24' X 40' (150+15F)
WF-11	WOOD FOUNDATION PLAN - 36' X 40' (150+15F)
WF-12	WOOD FOUNDATION PLAN - 48' X 40' (150+15F)
WFD-01	WOOD FOUNDATION DETAILS
WFD-02	OPTIONAL WOOD FOUNDATION DETAILS

CONCRETE FOUNDATION	
CFS-01	STRUCTURAL SPECIFICATIONS - CONCRETE FOUNDATIONS
CFA-01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
CFA-02	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
CFA-Do1	CONCRETE FOUNDATION DETAILS - ABOVE GRADE
CFB-01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
CFB-02	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
CFB-Do1	CONCRETE FOUNDATION DETAILS - BELOW GRADE
CFB-Do2	FOUNDATION DETAILS - CONCRETE

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER
APPROVED PC A-NUMBERS FOR THIS FOUNDATION PC:

PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
PC 80	09/14/1989	24x40	50/50+20/100#	MODTECH
PC 76	03/19/1992	24x40	50+20#	MODTECH
PC 112	03/13/1990	24x40	50/50+20#	AURORA
PC 242	05/11/1995	24x40	50+20#	MODTECH
PC 275	08/10/1998	24x40	50/50+20#	MODTECH
PC 282	09/03/1998	24x40	50/50+20#	MODTECH
04-104796	07/17/2003	24x40	50+20#	MODTECH
04-101419	10/23/1999	24x40	50/50+20#	MODTECH
PC 270	09/12/1999	24x40	50#**50+20#	MODTECH
PC 106884	12/03/2007	24x40	50+20#	MSI
04-100073	01/15/1998	24x40	50+20#	MSI
PC 253	05/10/1996	24x40	50/50+20/100#	AURORA
04-101244	09/02/1999	24x40	50/50+20/100/125#	MSI
PC 367	01/20/1998	24x40	50+20#	EBS
PC 330	09/04/1997	24x40	50/50+20#	PACE SETTER
PC 260	05/10/1996	24x40	50/50+20/100/125#	AURORA

PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
04-104793	05/22/2003	24-144X40	50/50+20/100/125#	MODTECH
04-107557	02/21/2006	24/36/48X40	50/50+20/100/125#	SILVER CREEK
04-109299	02/09/2010	24-120X40	50/50+20/100/125#	SILVER CREEK
04-112072	12/29/2011	24-120X40	50/50+20/100/125#	SILVER CREEK
04-109619	02/09/2010	24/36/48/144X40	50/50+20/100/125#	SILVER CREEK
04-112147	04/02/2012	24/36/48/144X40	50/50+20/100/125#	SILVER CREEK
04-114027	04/14/2015	24/36/48/144X40	50/50+20/100/125#	SILVER CREEK
04-113886	02/06/2015	24/36/48/144X40	50/50+20/100/125#	SILVER CREEK
04-114102	08/04/2015	24/36/48/144X40	50/50+20/100/125#	SILVER CREEK
04-116668	07/24/2018	24/36/48/120X40	50/50+20/100/125#	SILVER CREEK
04-116721	09/24/2018	24/36/48/120X40	50/50+20/100/125#	SILVER CREEK
PC 243	05/04/1995	24/36/48X40	50/50+20/100#	MODTECH
PC 79	11/25/1990	24/36/48X40	50/50+20/100#	MODTECH
PC 258	04/13/1995	24/36/48X40	50/50+20#	MODTECH
PC 266	05/24/1996	24/36/48X40	50/50+20/100#	MODTECH
PC 101268	12/16/1999	24/36/48X40	50/50+20/100#	MODTECH
PC 104801	05/22/2003	24/36/48X40	50/50+20/100#	MODTECH
PC 289	02/13/1997	24/36/48X40	50/50+20#	MODTECH
04-100335	06/30/1998	24/36/48X40	50/50+20/125#	AURORA
04-101055	06/29/1999	24/36/48X40	50/50+20/125#	AURORA
PC 323	06/24/1997	24/36/48X40	50/50+20/100#	MSI
PC 362	10/15/1997	24/36/48X40	50/50+20/125#	MSI
04-105135	07/09/2003	24/36/48X40	50/50+20/100/125#	WALDEN
04-104816	04/30/2009	24/36/48X40	50/50+20/150#	AURORA

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
- 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2007 ASME A17.1 (w/A17.1a)(CSA B449-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/08/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

ELITE MODULAR LEASING & SALES, INC.
P.O. BOX 78447
CORONA CA 92877
PHONE: 951-422-2500
FAX: 951-943-3074

PROJECT NAME:

SHEET TITLE:
COVER SHEET

ARCHITECT OF RECORD
SUBMISSION DATE

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120373 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 08/24/2021

2019 CBC
ORIGINAL PC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF ELITE MODULAR LEASING & SALES INC (ELITE MODULAR) 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 ELITE MODULAR INC.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH ELITE MODULAR INC. SHALL BE THE PROPERTY OF ELITE MODULAR INC.

REVISIONS

1	2	3	4	5	6	7
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PROJECT NO:

DRAWN BY: F.C.

SCALE: AS NOTED

DATE: AUGUST 23, 2021

SHEET NUMBER
CP

CARPENTRY:

- SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
- WORKMANSHIP:
 - A-FRAMING: SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE, WORK CUT, FITTED AND ASSEMBLED LEAVE, PLUMBING AND TRUE LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - B. NAILING: IN ACCORDANCE WITH THE TITLE 24 CCR-TABLE 2304.9-1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.
 - C. MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUOUS SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - D. TRIM: SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.

MATERIAL SPECIFICATIONS:

- STRUCTURAL FRAMING SHALL BE HEM FIR-LARCH GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS OF FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED. ALL FRAMING EXCEPT AS NOTED HEM FIR #2.
- PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-07. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'X8' PANELS- MINIMUM, EXCEPT AT BOUNDARIES AND AT FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
- BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO SNAI/ASME STANDARD B18.2.1-2012 & 2012 EDITION OF NDS (THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION) BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENT OF 2012 NDS. BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. BOLTS SHALL BE FULL BODY WITH MINIMUM YIELD STRENGTH OF 45,000 PSI. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSII/ASME STANDARDS B18.2.1 AND 2012 NDS. HOLES FOR LAG SCREWS SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. OR QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 1J IN NDS.
- PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREWS HEADS WHICH BEAR ON WOOD.
- WOOD SCREWS SHALL CONFORM TO ANSII/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2012 NDS. GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS PER TABLE 1L IN NDS.
- WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
- WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
- STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2012 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9-1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS. PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 1H IN NDS. (SEE NAIL EQUIVALENCE BELOW)
- NAIL EQUIVALENCE:
 - (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYPICAL: U.N.O.)
 - 6D EQUALS .113" DIA - PROVIDE 1.36" MINIMUM POINT PENETRATION
 - 8D EQUALS .131" DIA - PROVIDE 1.57" MINIMUM POINT PENETRATION
- PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.8. CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON AL TREATED FOUNDATION MEMBERS THAT COMPLY WITH CBC 2303.1.8.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT" OR "FOR ABOVE GROUND USE" AS APPROPRIATE. PRESSURE TREATED MATERIAL SHALL COMPLY WITH AWPA STANDARD U1 AS REQUIRED BY CBC 2303.1.8 TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD WB COOPER GREEN 2% OR AN APPROVED EQUIVALENT) WHERE NOTED MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESURE TREATED.
- ONLY MATERIALS IN CONTACT WITH THE GROUND NEEDS TO BE PRESURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
- IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
- FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SECTION 2304.9 OF CBC.
- NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SECTION 2304.9-1.1 OF CBC
- SHIM MATERIAL ABOVE SILL PLATES SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT PRESSURE TREATED)
- USE LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM
- TIE PLATES SHALL CONFORM TO A-1011 GRADE 33.

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

- IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE (SCHOOL DISTRICT) IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, TREES, SHRUBS, ETC) AND GRADED TO WITHIN 4 1/2" OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" LEVEL GRADE REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE.
 - UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN 1000 PSF MINIMUM SOIL BEARING PRESSURE.
 - PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUND CORNERS OF THE BUILDING ON THE SITE, INCLUDING DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR RELOCATE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTION SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC. ADDITIONAL COST WILL BE CHARGED TO LESSEE
 - PROVIDE ELECTRICAL GROUND TEST PER DSA IR E-1
 - FIELD WELDING FOR WELDING TIE PLATE OPTION. (IF USED, REQUIRES TEST AND INSPECTION)
- THE EXAMPLE FORM DSA 103'S 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 ALL EXAMPLE FORM DSA 103'S ARE TO BE CROSSED OUT ON THIS DRAWING.
- NO OTHER TEST AND INSPECTIONS ARE REQUIRED.
 - P.T. SHIMS MAY BE PROVIDED TO ACHIEVE A POSITIVE CONNECTION BETWEEN BOTTOM SILL PLATE AND FINISH GRADE IF REQUIRED. SHIM SIZES MAY VARY DEPENDING ON GAP.

**SPECIFICATIONS
RELOCATABLE CLASSROOMS**

GENERAL REQUIREMENTS:

- THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THESE GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
- NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAME PRODUCTS

SCOPE OF WORK:

- THE WORK CONSISTS OF INSTALLING ON-SITE MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN, SHOWN AND DETAILED ON THE DRAWINGS
- ALL REQUIREMENTS OF CCR (CALIFORNIA CODE REGULATION) TITLE 19 AND 24 RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - A. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - B. INSPECTION DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY DSA (DIVISION OF THE STATE ARCHITECT) AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK, COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
 - C. ON SITE INSPECTION OF THE BUILDING INSTALLATION, ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION OR CONNECTION BY AN INSPECTOR APPROVED BY THE DSA AND RETAINED BY THE SCHOOL DISTRICT.
 - D. OTHER SPECIAL TEST OR INSPECTIONS AS MAY BE REQUIRED BY DSA COST OF THESE INSPECTION TEST SHALL BE BORNE BY THE SCHOOL DISTRICT

WORK NOT INCLUDED:

- ALL ON SITE OR OFF SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS
- ALL LEVELING, GRADING OR OTHER SITE PREPARATION (EXCEPT FOUNDATION LEVELING WHERE REQUIRED) UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- FIRE ALARM SYSTEM, PROGRAM BELL, LOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM, COMPUTER DATA OR ANY OTHER LOW VOLTAGE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR THE LEASE AGREEMENT.

ACCESSIBILITY OF SITE:

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE-IN AND REMOVAL OF THE BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SITE ASSEMBLY:

- SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM PLANT TO THE SITE AND COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT AND THE ARCHITECT ARCHITECT.
- ASSEMBLY OF ELEMENTS:
 - A. IN A LOCATION ON THE SITE AS DETERMINED BY THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL PLACE THE FOUNDATION AS DETAILED ON THE DRAWINGS.
 - B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON A WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.
 - C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL BUILDING MANUFACTURER'S DRAWINGS.

VERIFY BUILDING'S MODULE SIZE PRIOR TO POURING CONCRETE - ADD 1/8" AT OUTSIDE MODULES AND 1/4" AT INNER MODULES FOR GROWTH PURPOSES.

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50+20 PSF PARTITIONS, 100 PSF
 ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
 WIND SPEED = 120 MPH (V) (3 SECOND GUST), Kzt = 1.0, I = 1.0
 SNOW LOAD = PROJECT IS NOT LOCATED IN A SNOW REGION
 BUILDING CODES = 2019 CBC

SEISMIC DESIGN DATA:

BASIC SEISMIC FORCE RESISTING SYSTEM = STEEL MOMENT FRAME
 ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
 SEISMIC DESIGN CATEGORY = E (PER CBC SECTION 1613A.6.6)
 SDS = 2.089 (SITE SPECIFIC DOCUMENTATION JUSTIFYING SDS SHALL BE SUBMITTED TO DSA PRIOR TO APPROVAL)
 DESIGN BASE SHEAR: 24x40 BUILDING = 22490 # (ROOF, FLOOR, WALLS & PARTITIONS)
 36x40 BUILDING = 32810 # (ROOF, FLOOR, WALLS & PARTITIONS)
 48x40 BUILDING = 43130 # (ROOF, FLOOR, WALLS & PARTITIONS)

SOIL BEARING:

ALLOWABLE SOIL BEARING = 1,000PSF FOR WOOD SILL FOUNDATIONS

FLOOD DESIGN DATE:

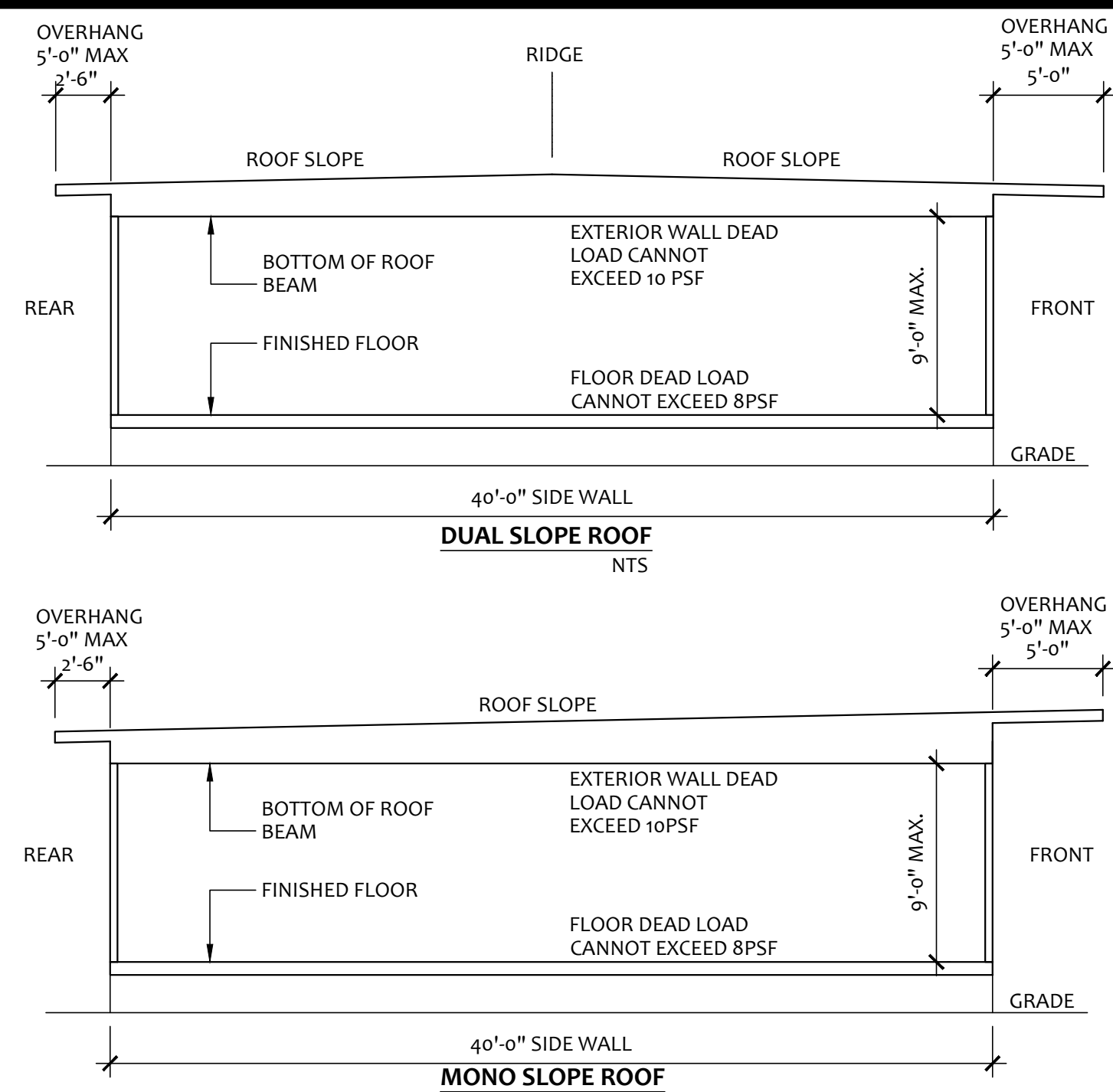
PROJECT IS NOT LOCATED IN A FLOOD ZONE

LIMITATIONS FOUNDATION PC ONLY:

FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

- DAS APPROVED STOCKPILE BUILDINGS
- ROOF OVERHANGS OF 5'-0" MAXIMUM
- SINGLE SLOPE OR DUAL SLOPE BUILDINGS
 WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDINGS.
 WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDINGS.
 (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
- WALL DEAD LOAD OF 10PSF (NOT STUCCO)
- FLOOR DEAD LOAD OF 8PSF



TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OR GENERAL RESPONSIBLE CHARGE TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER

NOTE:

THE EXAMPLE FORM DSA-103 SHOWN IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103.

A FORM DSA-103 IS TO BE COMPLETED FOR EACH PROJECT APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING

DSAs DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES	DSA-103 List of Required Structural Tests & Special Inspections - 2019 CBC	INCREMENT #	DSA File No.:	PC-125
		Application No.:	04-120373	
		Date Submitted:	Revised:	
			Revised:	

School Name	ELITE MODULAR UNIVERSAL FOUNDATION PC (SAMPLE T&I) WOOD	District	ELITE MODULAR LEASING & SALES INC.
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IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the 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 DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. For more information on use of this form, see DSA-103.INSTR.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
-	SOILS			
-	1. GENERAL:	Table 1705A.6		
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
+	CONCRETE	Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13		
+	MASONRY	TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5		
+	STEEL, ALUMINUM	Table 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10		
+	WOOD			
+	OTHER			

List of required verified report(s):

KEY to Columns	Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
1 Type -	2 Performed By -
Continuous - Indicates that a continuous special inspection is required	GE - Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic - Indicates that a periodic special inspection is required	LOR - Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test - Indicates that a test is required	SI - Indicates that the special inspection is to be performed by a special inspector

Jack Shively
 Name of Architect or Engineer in general responsible charge _____
 Name of Structural Engineer (When structural design has been delegated) _____
 Signature of Architect or Structural Engineer _____ date _____

IDENTIFICATION STAMP
 DIV OF THE STATE ARCHITECT
 APP. # 04-120373
 AC N/A F/L N/A SS _____
 DATE _____

IDENTIFICATION STAMP
 DIV OF THE STATE ARCHITECT
 APP: 03-120373 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/08/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

EM **ELITE MODULAR LEASING & SALES, INC.**
 P.O. BOX 78447
 CORONA CA 92877
 PHONE: 951-422-2500
 FAX: 951-943-3074

PROJECT NAME:

SHEET TITLE:
STRUCTURAL SPECIFICATIONS WOOD FOUNDATIONS

ARCHITECT OF RECORD SUBMISSION DATE

Architectural stamps for Jack Shively and T. Shively, State of California.

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-120373 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 08/24/2021

2019 CBC ORIGINAL PC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF ELITE MODULAR LEASING & SALES INC (ELITE MODULAR) 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 ELITE MODULAR INC. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH ELITE MODULAR INC. SHALL BE THE PROPERTY OF ELITE MODULAR INC.

REVISIONS

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

PROJECT NO:

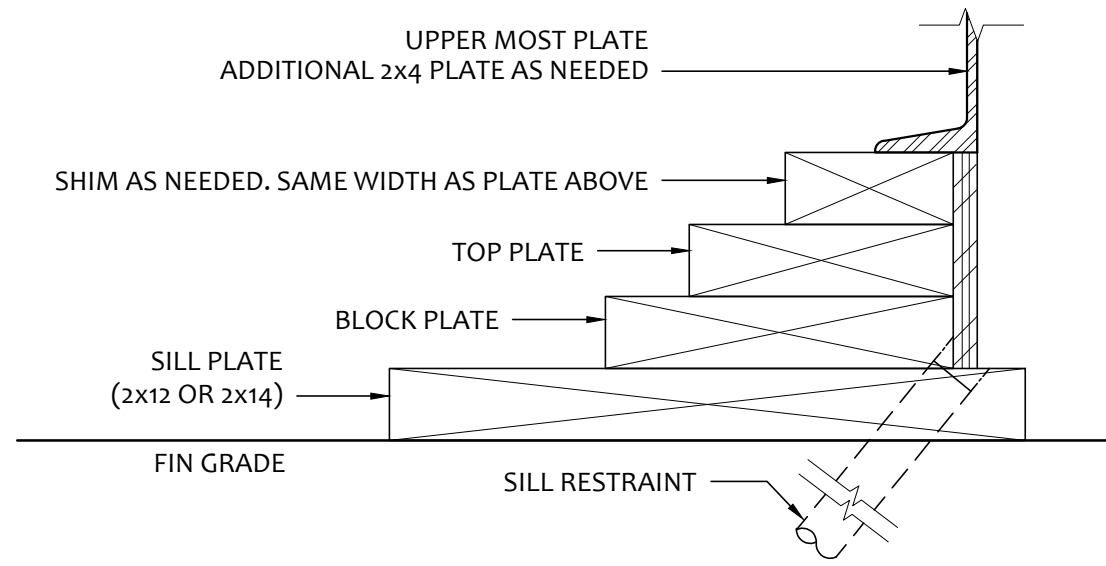
DRAWN BY: F.C.

SCALE: AS NOTED

DATE: AUGUST 23, 2021

SHEET NUMBER

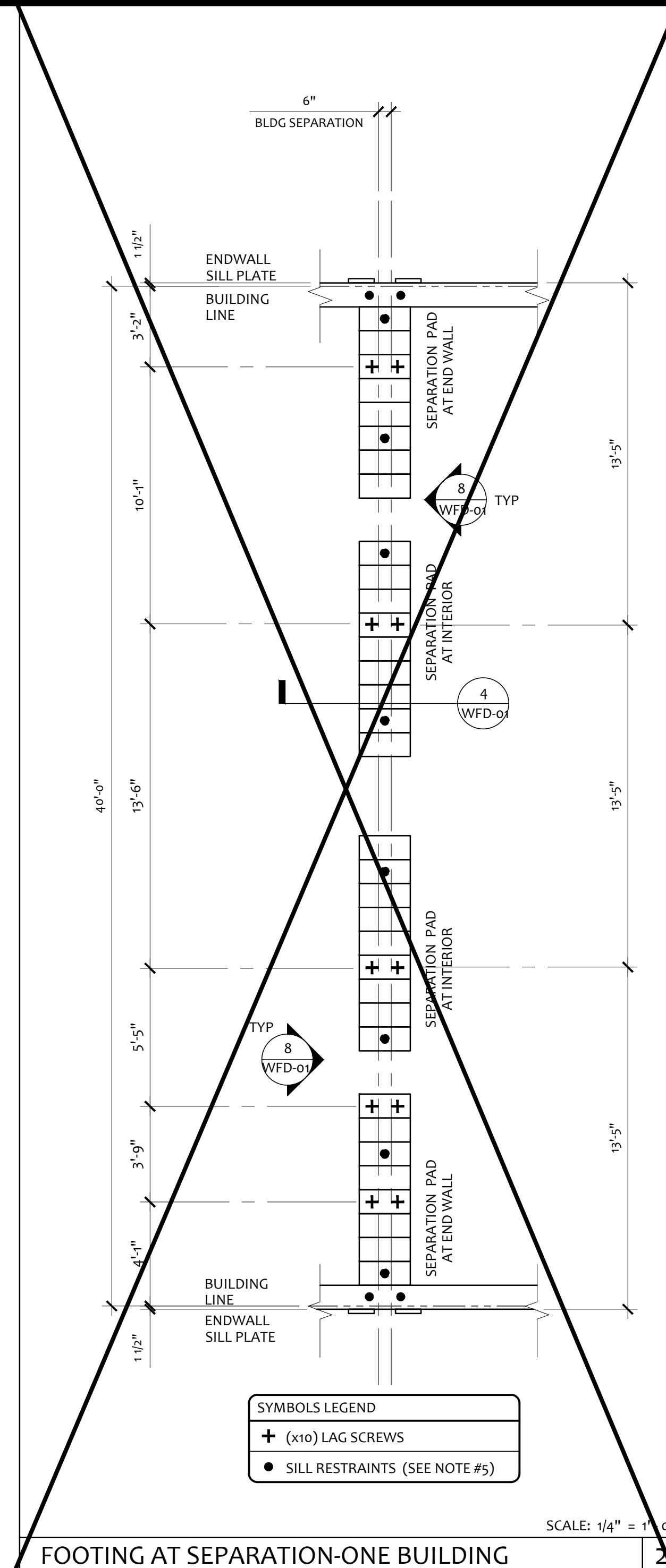
WFS-01



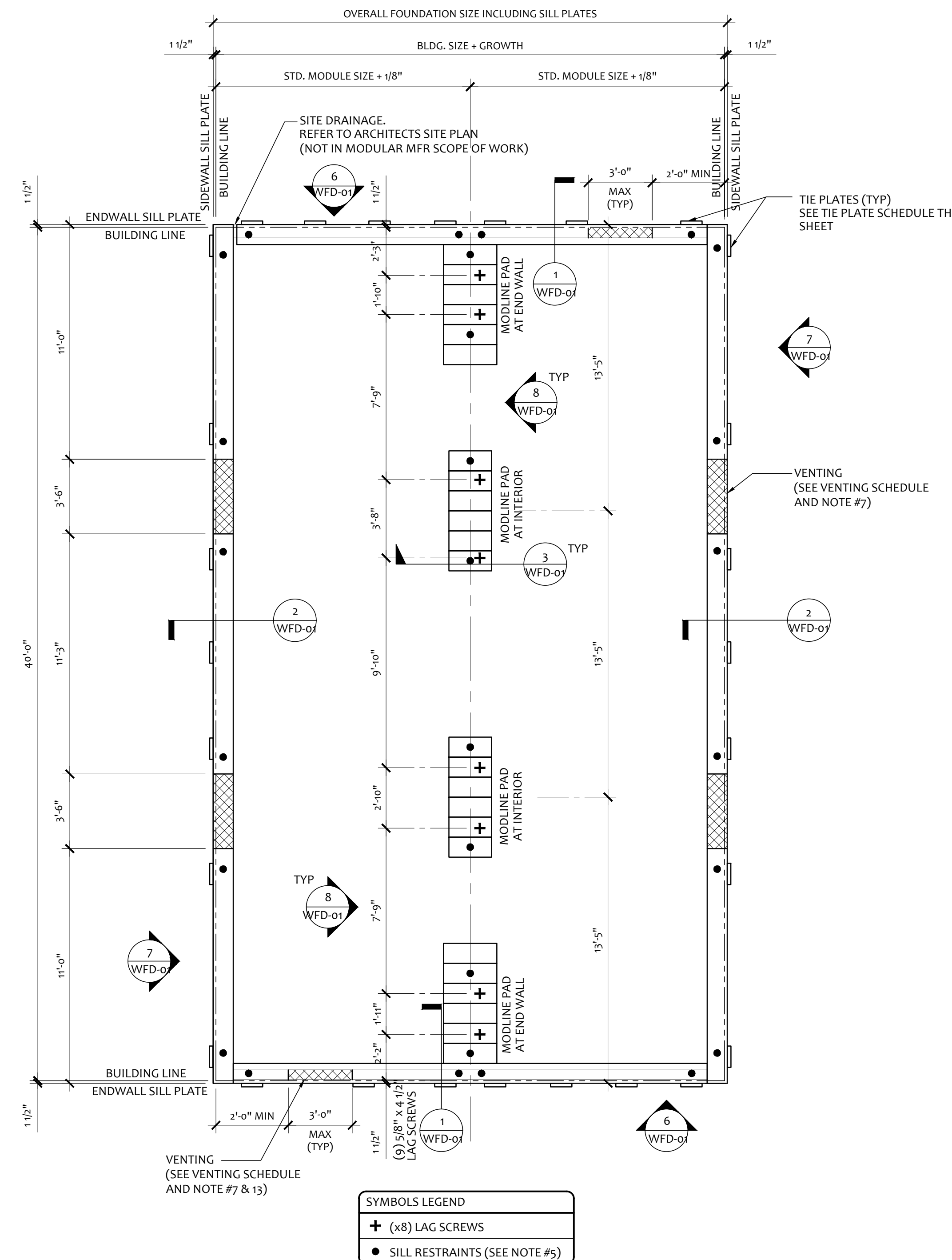
FOUNDATION PLATE DESCRIPTION

- BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
- 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 MODULAR FLOORS.
- FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
- WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
- SILL RESTRAINT:** THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
- STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
- VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
- VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
- FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/WFD-01
- IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
- FOR FOUNDATION SPLICE - SEE 5/WFD-01
- CRAWLSPACE VAPOR RETARDERS (OPTIONAL):** THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(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; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/WFD-01; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
- ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
- CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
- IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
- 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
- VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG X 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NOTES



OPTION	MANUFACTURER	STD. MODULE SIZE	BLDG SIZE + GROWTH	OVERALL FOUNDATION SIZE INCLUDING SILL PLATES
<input type="checkbox"/>	SILVER CREEK	11' - 11"	23' - 10 1/4"	24' - 1 1/4"
<input checked="" type="checkbox"/>	MODTECH	11' - 11 1/2"	23' - 11 1/4"	24' - 2 1/4"
<input type="checkbox"/>	AURORA	12' - 0"	24' - 0 1/4"	24' - 3 1/4"
<input type="checkbox"/>	MSI	12' - 0"	24' - 0 1/4"	24' - 3 1/4"
<input type="checkbox"/>	CURRENT / SMI	12' - 0"	24' - 0 1/4"	24' - 3 1/4"
<input type="checkbox"/>	PACE SETTER	11' - 10"	23' - 8 1/4"	23' - 11 1/4"
<input type="checkbox"/>	WALDEN	11' - 11 1/4"	23' - 10 5/8"	24' - 1 5/8"
<input type="checkbox"/>	EBS	11' - 10"	23' - 8 1/4"	23' - 11 1/4"
<input type="checkbox"/>	MBS	11' - 10"	23' - 8 1/4"	23' - 11 1/4"
<input type="checkbox"/>	STEELGUARD	12' - 0"	24' - 0 1/4"	24' - 3 1/4"



WOOD FOUNDATION PLATE SCHEDULE - 50 + 15 PSF						
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL	
					ONE BLDG	SEPARATION PAD AT INTERIOR
ADDITIONAL TOP PLATE (AS NEEDED)	2x4	2x4	2x6	2x6	2x12	2x12
TOP	2x6	2x6	2x8	2x8	2x12	2x12
BLOCK	2x8	2x8	2x10	2x10	2x12	2x12
SILL	2x12 (2x14) ⁵	2x12 (2x14) ⁵	(6) 2x12 x 2'-0"	(6) 2x12 x 2'-6"	(7) 2x12 x 2'-0"	(10) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE		NAILING SCHEDULE	
VENT "A" (SIDEWALL): 3'-6" x 4'-5" = 1,3125 S.F. VENTILATION	BUILDING SIZE	SEE NAILING SCHEDULE ON 16/FD-01 FOR NAILING SPACING & PLATE ATTACHMENT	
"VENT OPENING BELOW CONT UPPER PLATE"	24' x 40'		
VENT "B" (ENDWALL): 3'-0" x 3" = 0.75 S.F. VENTILATION	VENTING SCHEDULE		
(OPTIONAL AT MULTIPLE BLDG SETS)	BUILDING SIZE	BUILDING AREA	REQ. VENTING
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"	24' x 40'	960 SF	6.4 SF (1/150)
VENT "C" (ENDWALL): 3'-0" x 4 1/2" = 1.125 S.F. VENTILATION	TIE PLATE SCHEDULE		
(OPTIONAL AT MULTIPLE BLDG SETS)	BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"	24' x 40'	7	7
			TOTAL NUMBER OF TIE PLATES
			28

- NOTE:**
- VENTING REQUIREMENTS MAY BE RE-CALCULATED DEPENDING ON GRADE CONDITIONS ON A PER-JOB BASIS
 - VERIFY FOUNDATION WIDTH WITH BUILDING'S MODULE SIZES PRIOR TO SETTING WOOD PLATES

FOUNDATION PLAN

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/08/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

EM ELITE MODULAR LEASING & SALES, INC.
P.O. BOX 78447
CORONA CA 92877
PHONE: 951-422-2500
FAX: 951-943-3074

PROJECT NAME:

SHEET TITLE:
WOOD FOUNDATION PLAN
24x40 (50 + 50+15 PSF)

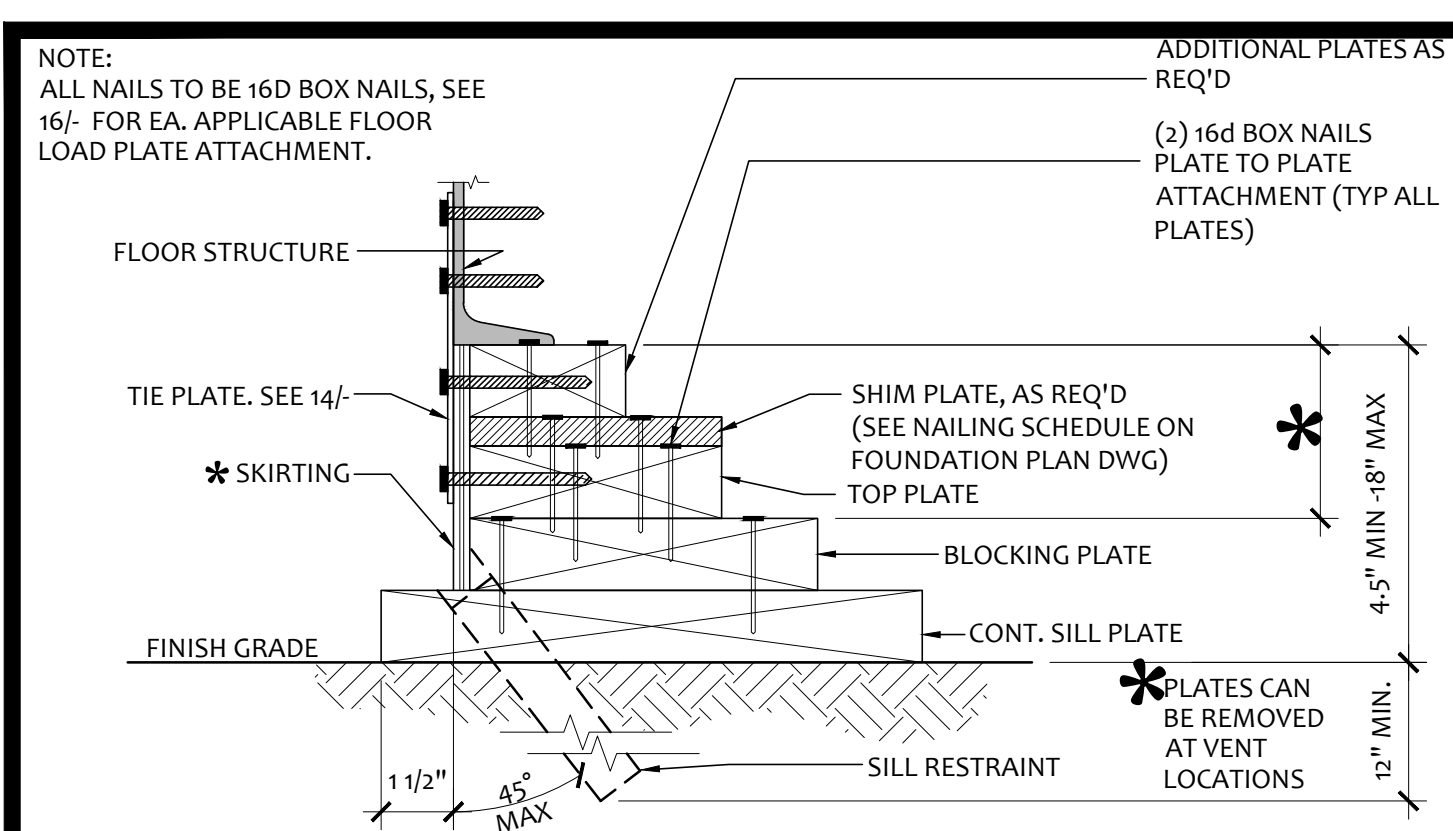
ARCHITECT OF RECORD
SUBMISSION DATE

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120373 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 08/24/2021
2019 CBC
ORIGINAL PC STATE AGENCY APPROVAL

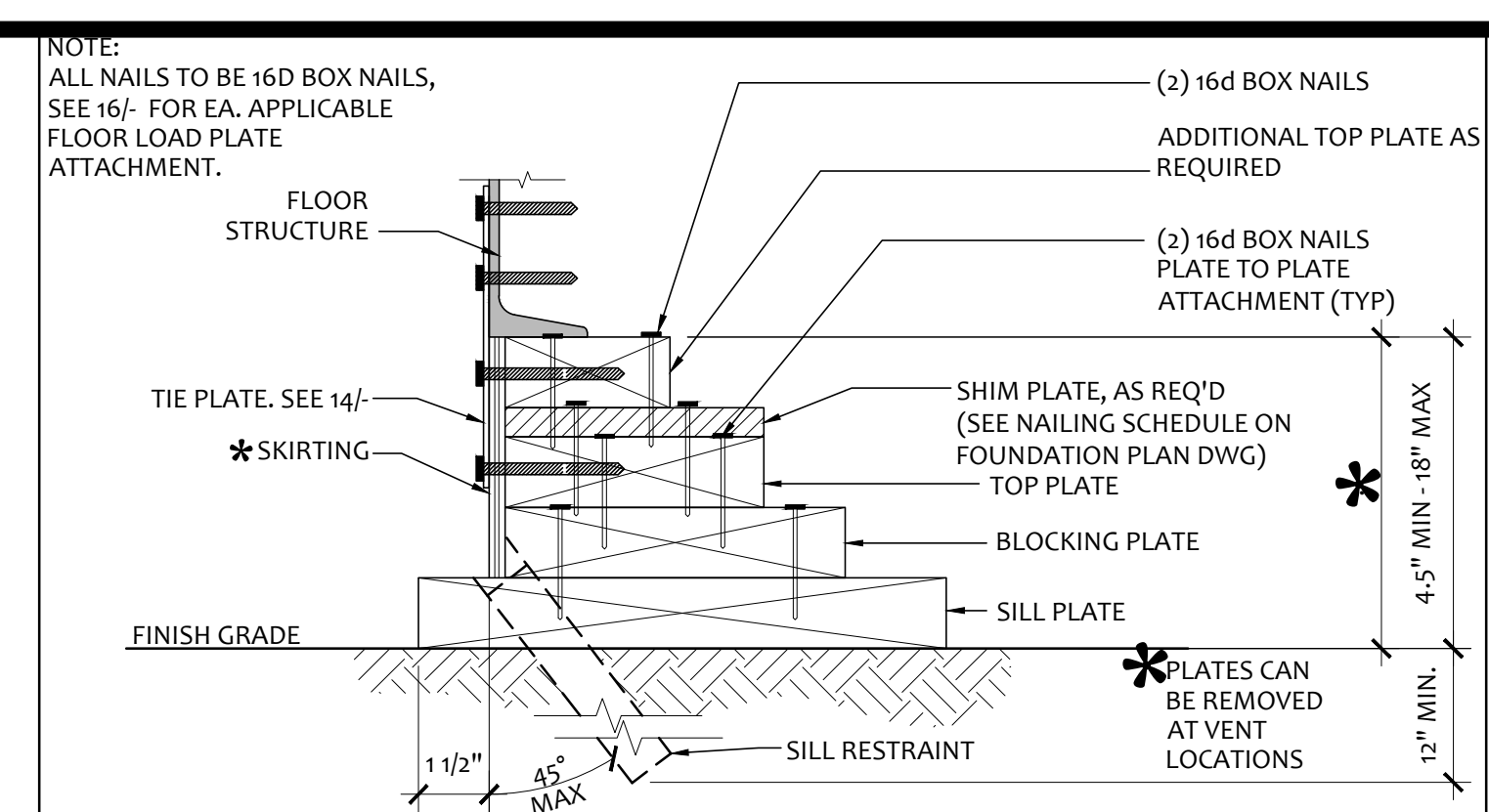
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REVISIONS

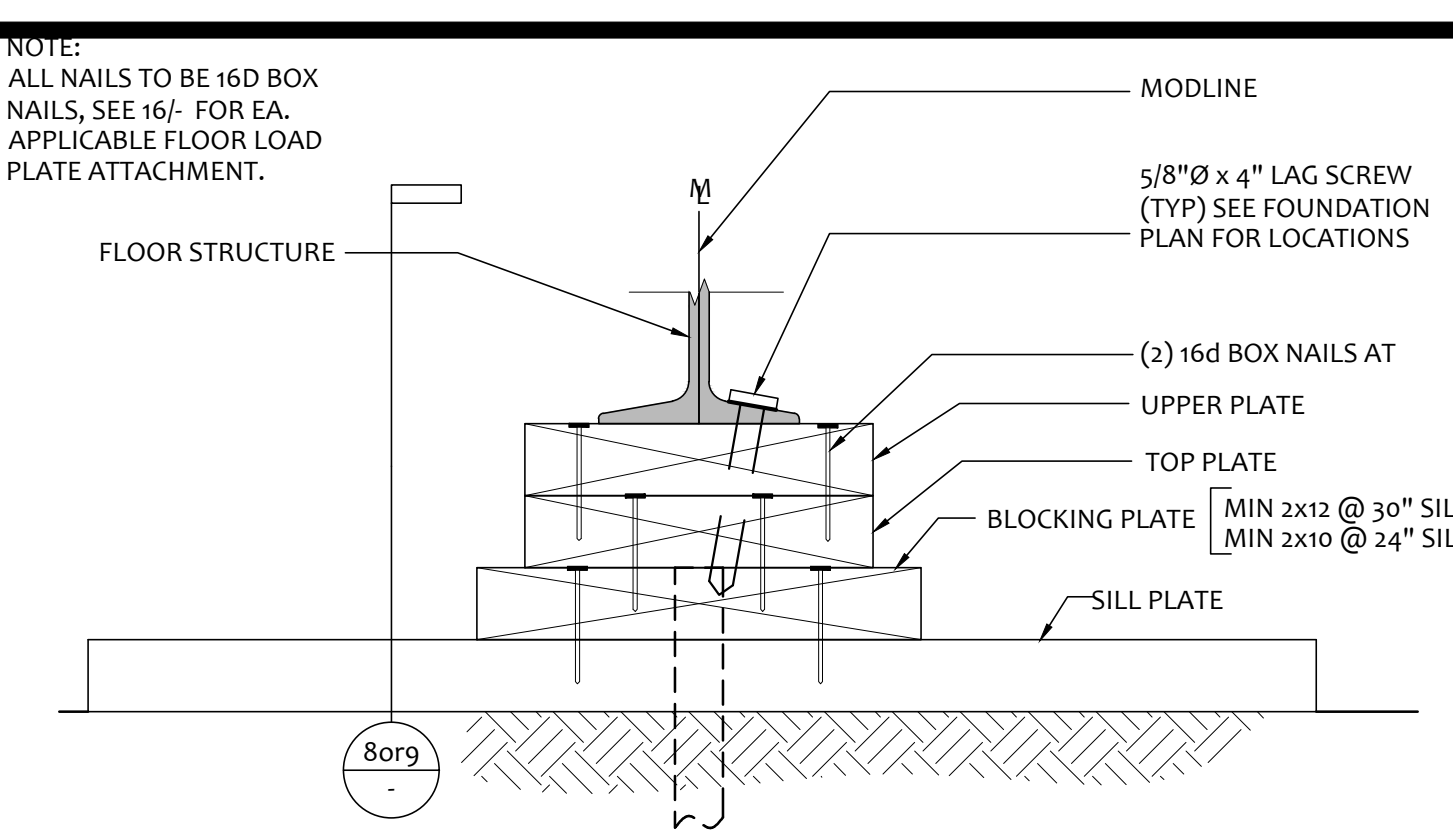
PROJECT NO:
DRAWN BY: F.C.
SCALE: AS NOTED
DATE: AUGUST 23, 2021
SHEET NUMBER
WF-04



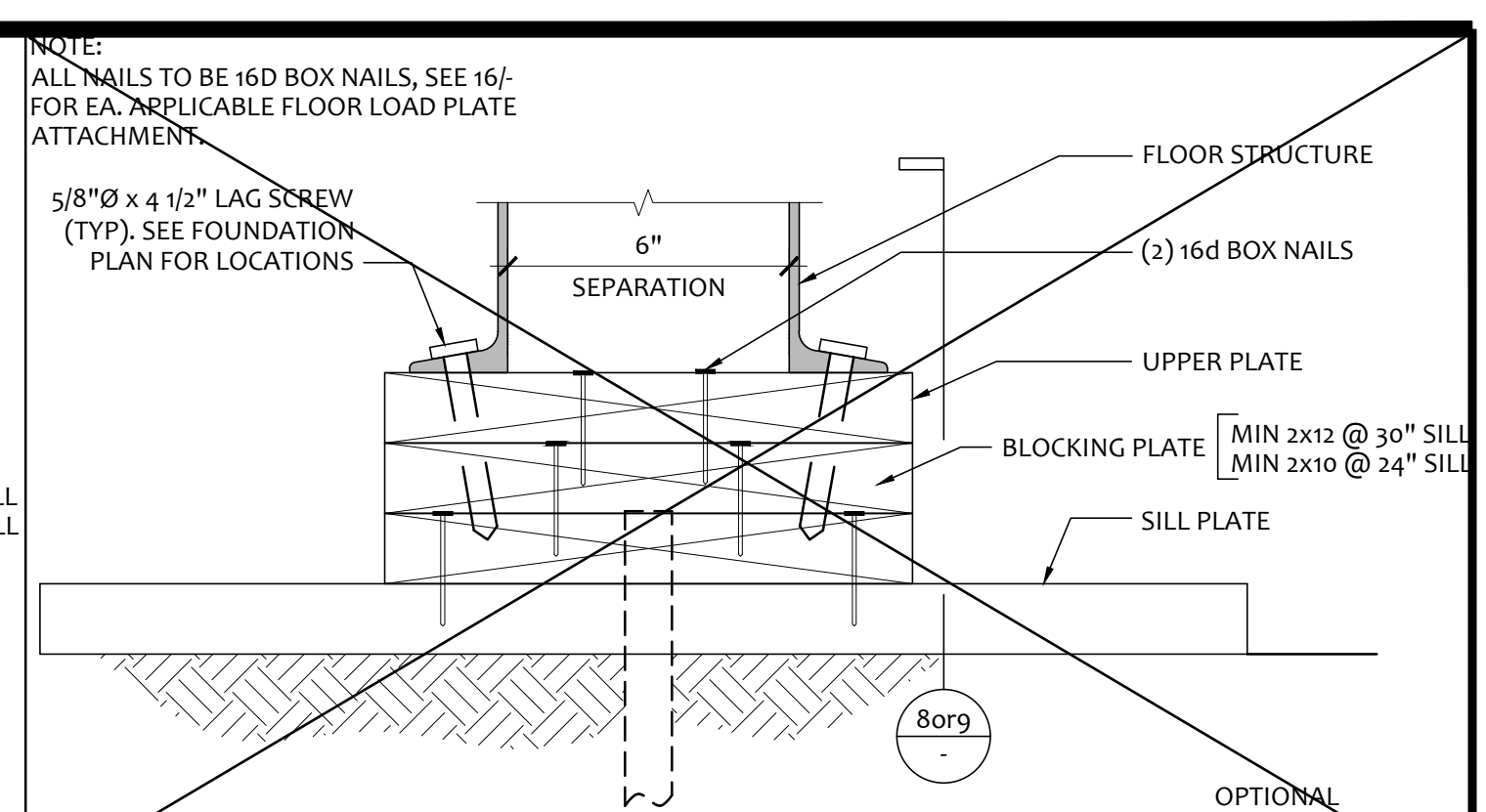
FOUNDATION AT END WALL DETAIL SCALE: 3/8"=1'-0" 1



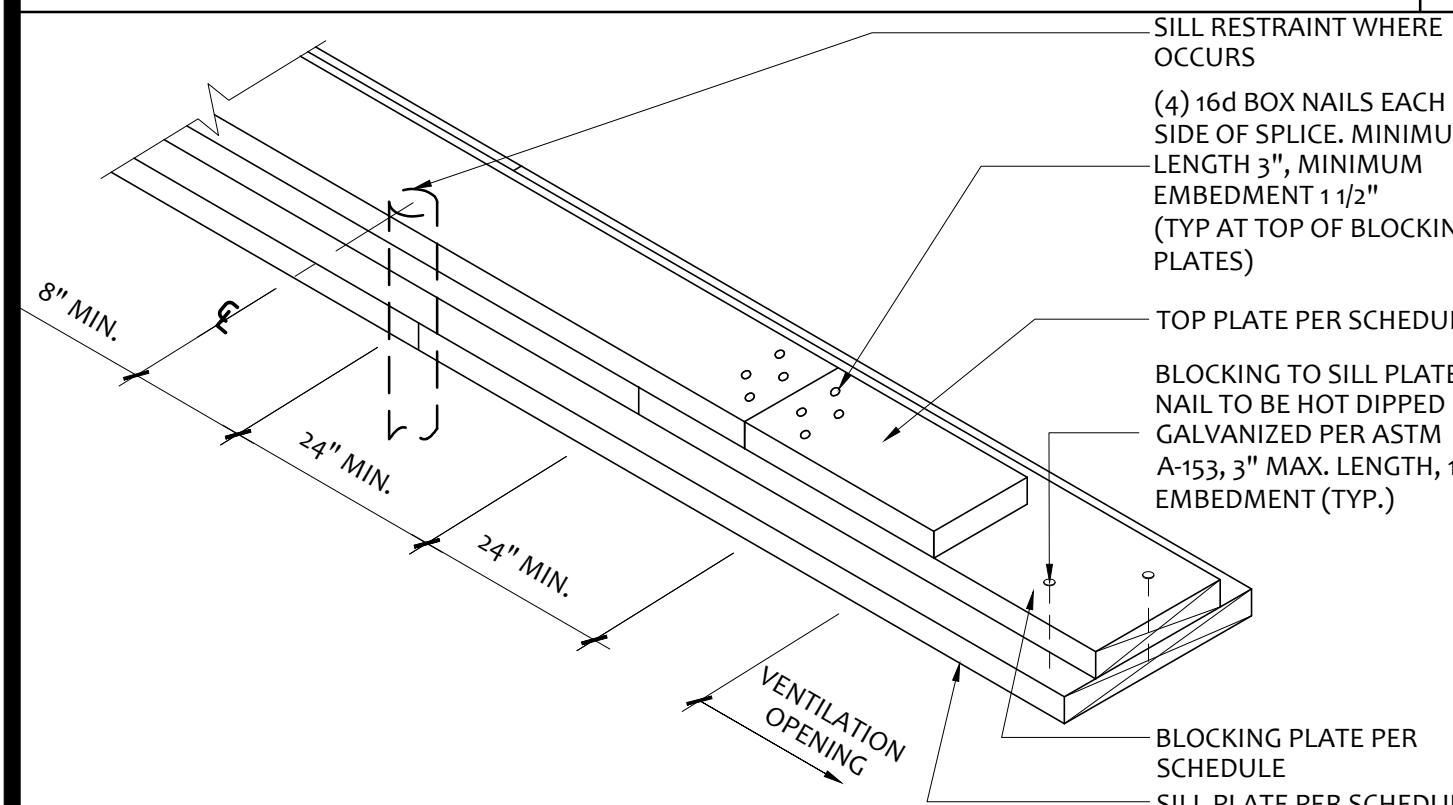
FOUNDATION AT SIDE WALL DETAIL SCALE: 3/8"=1'-0" 2



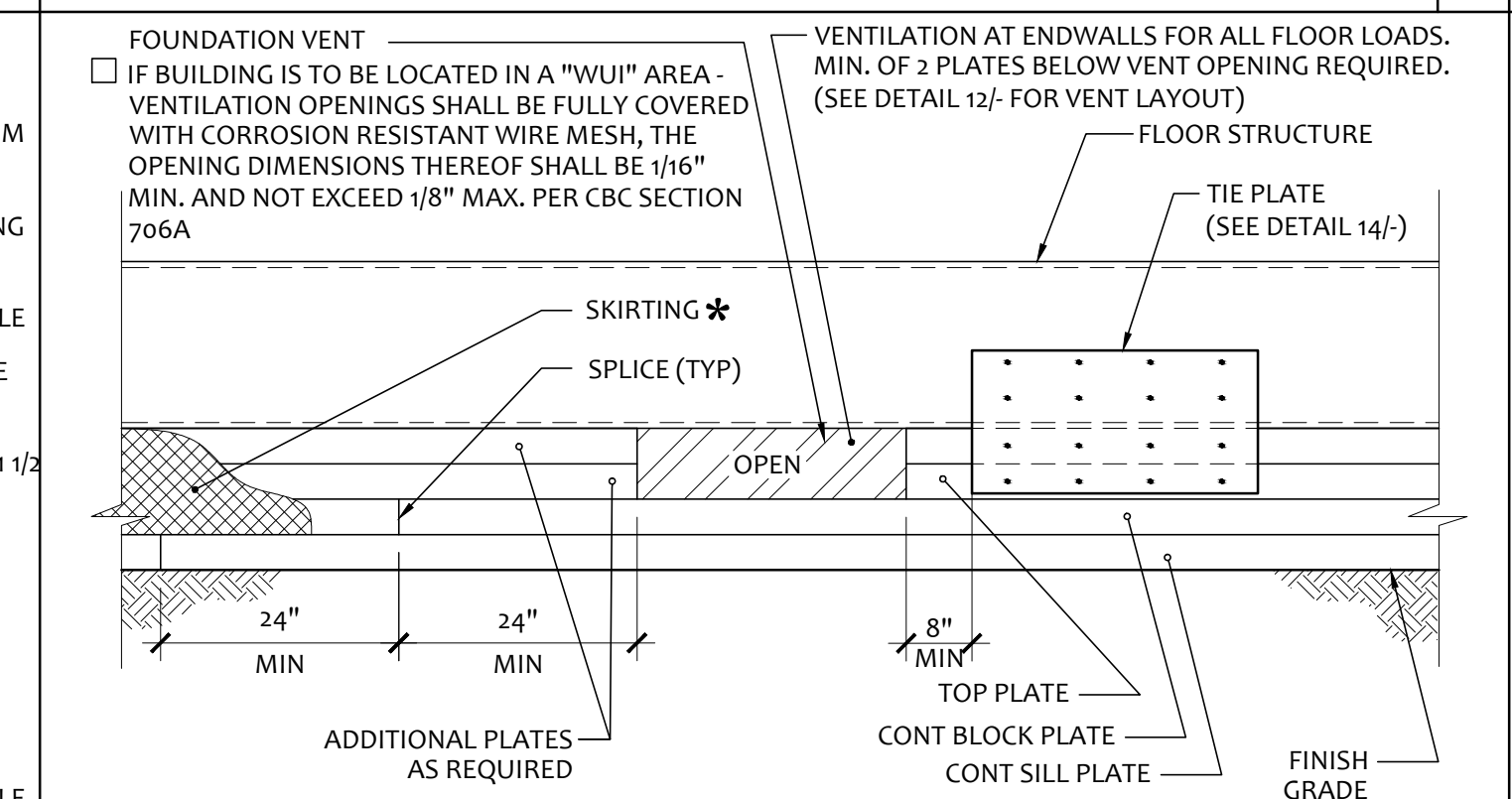
FOUNDATION AT MODLINE DETAIL SCALE: 3/8"=1'-0" 3



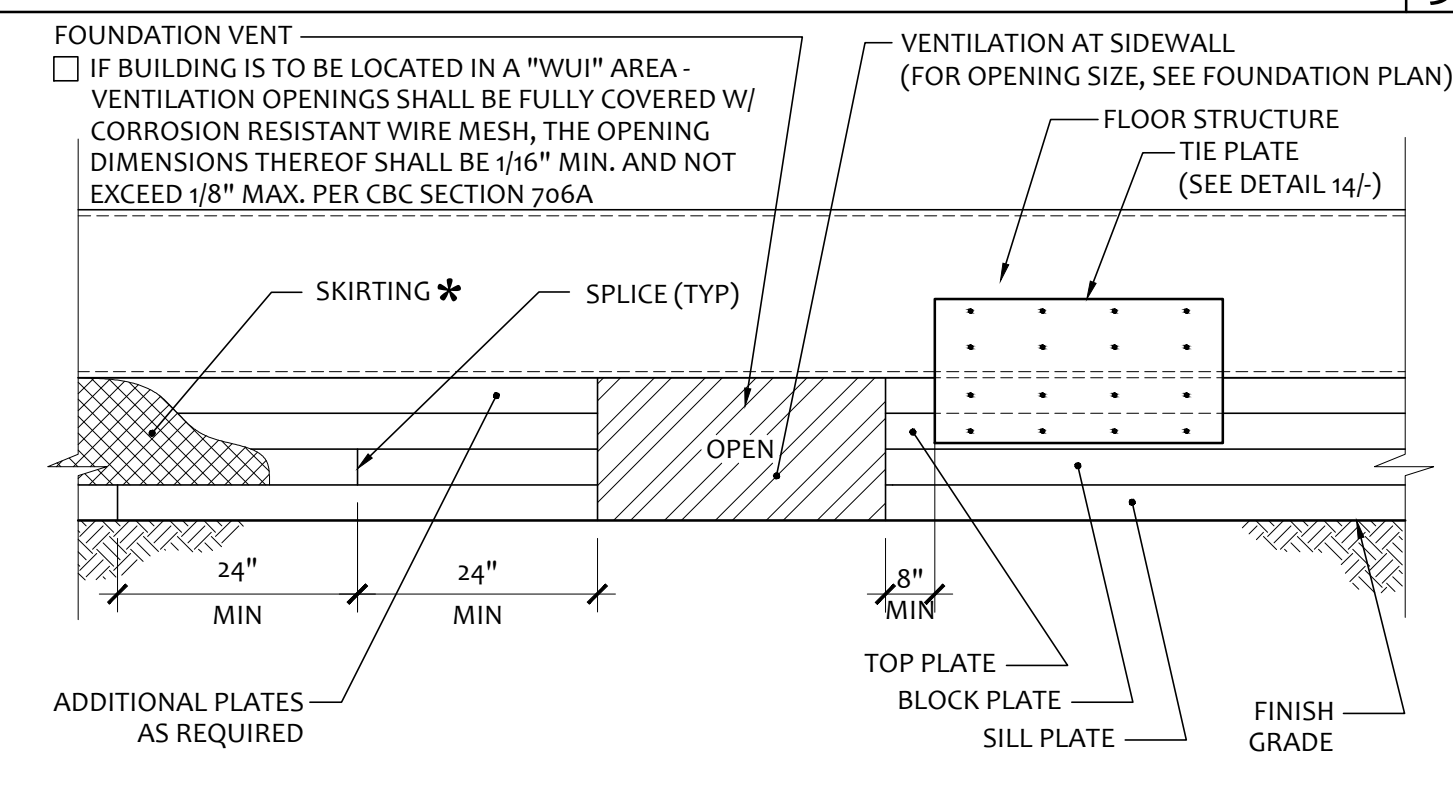
FOUNDATION AT ADJACENT BUILDING DETAIL SCALE: 3/8"=1'-0" 4



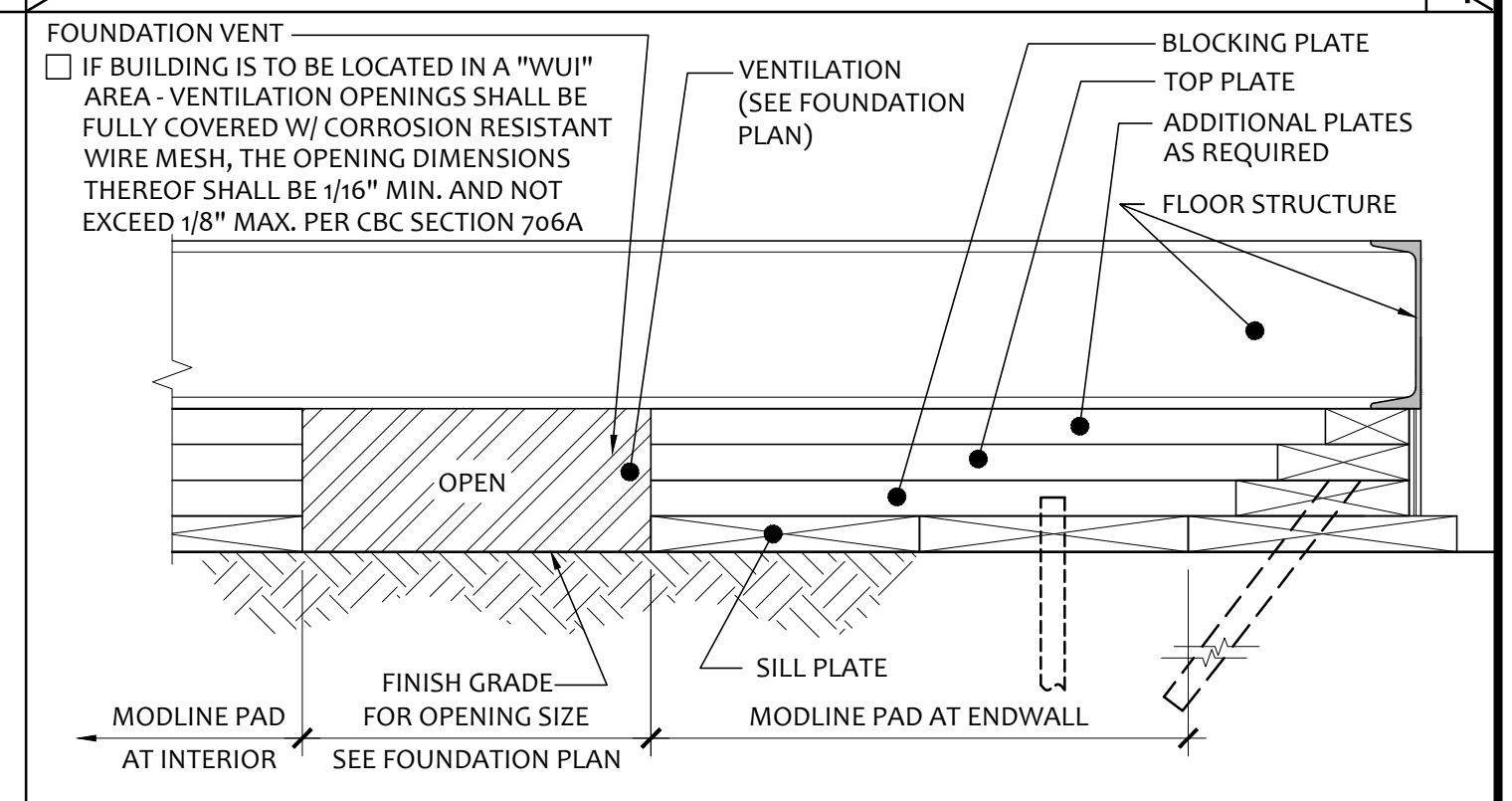
FOUNDATION SPLICE DETAIL SCALE: NTS 5



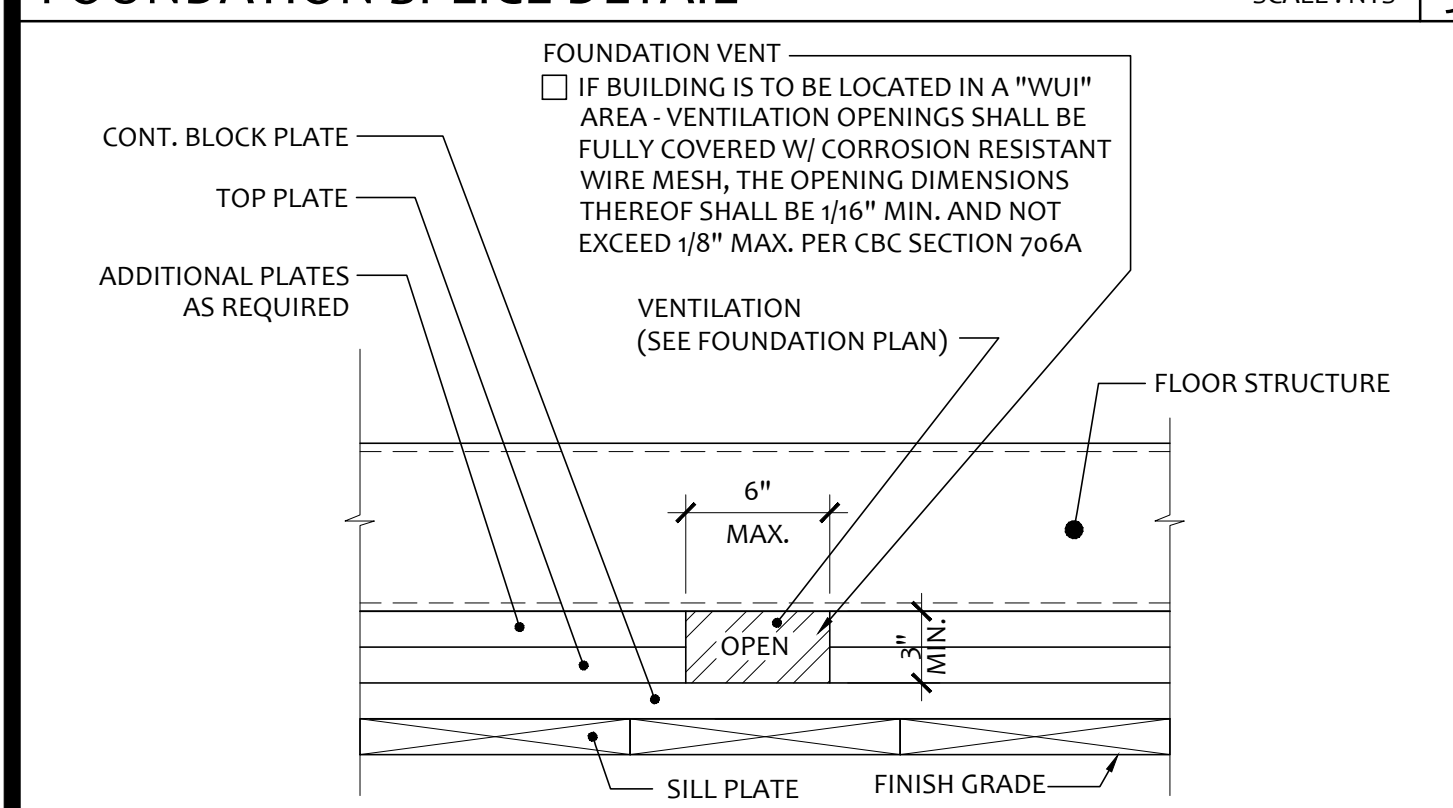
FOUNDATION ASSEMBLY END WALL ELEVATION SCALE: 1 1/2"=1'-0" 6



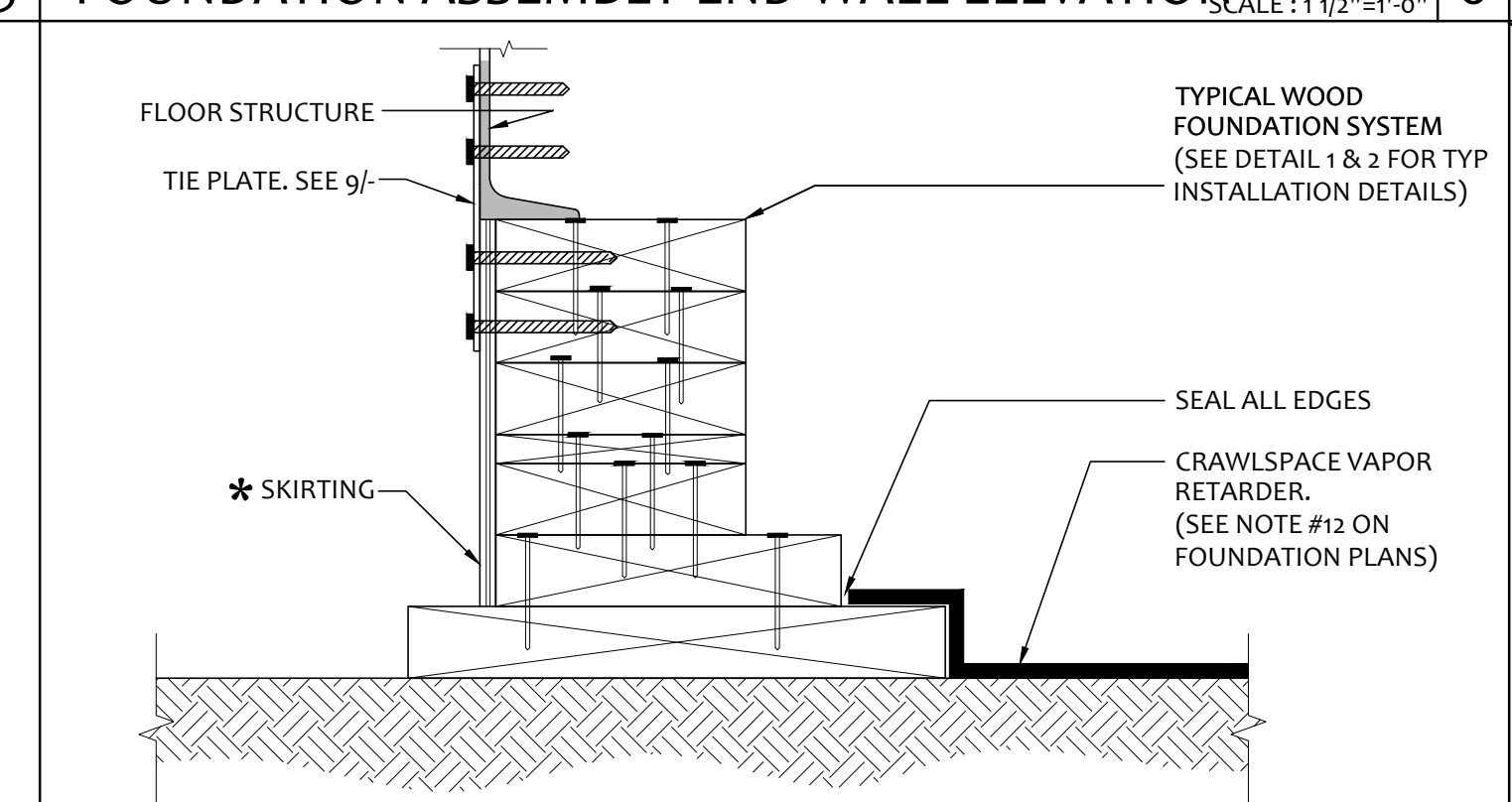
FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE: 1 1/2"=1'-0" 7



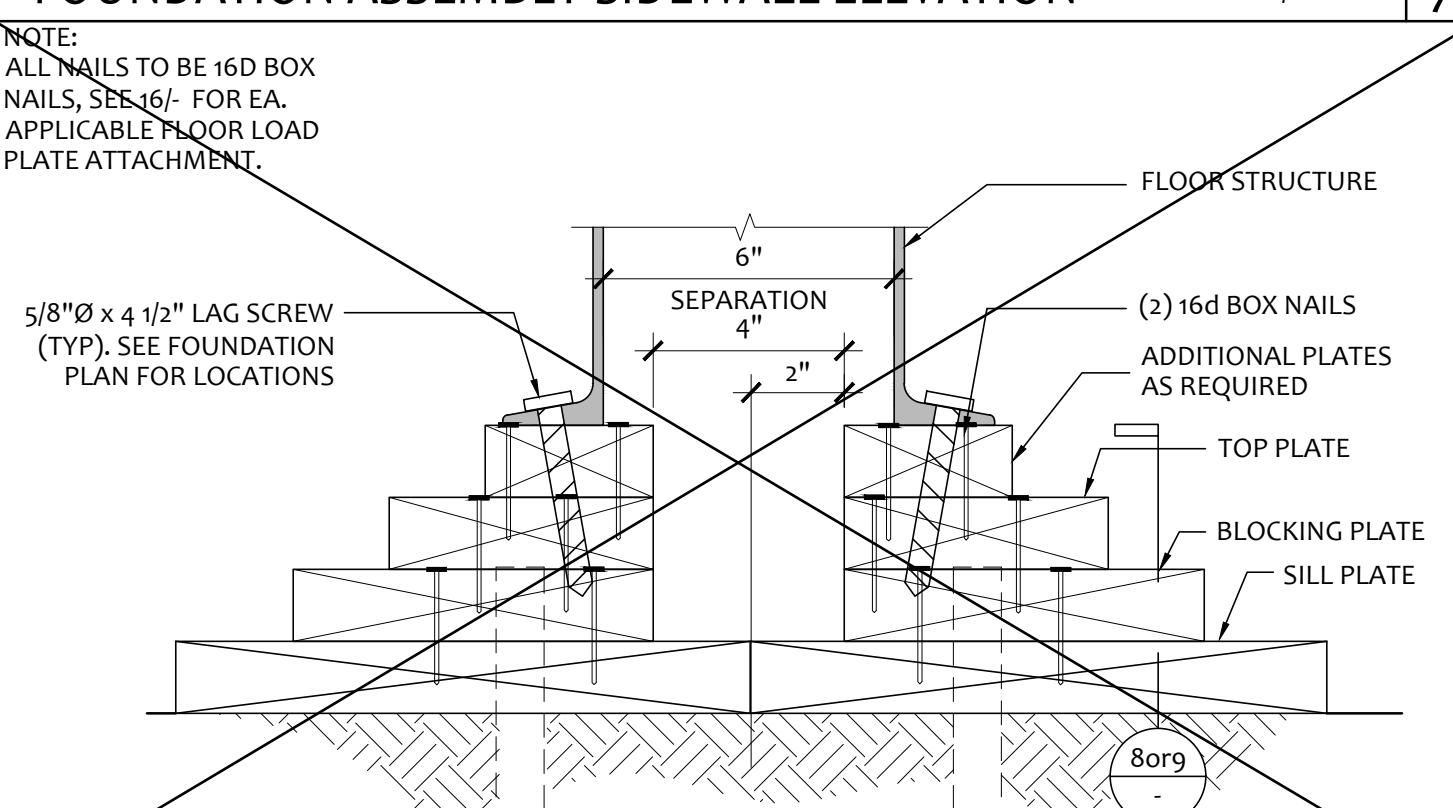
FOUNDATION AT MODLINE & SEPARATION SCALE: 1 1/2"=1'-0" 8



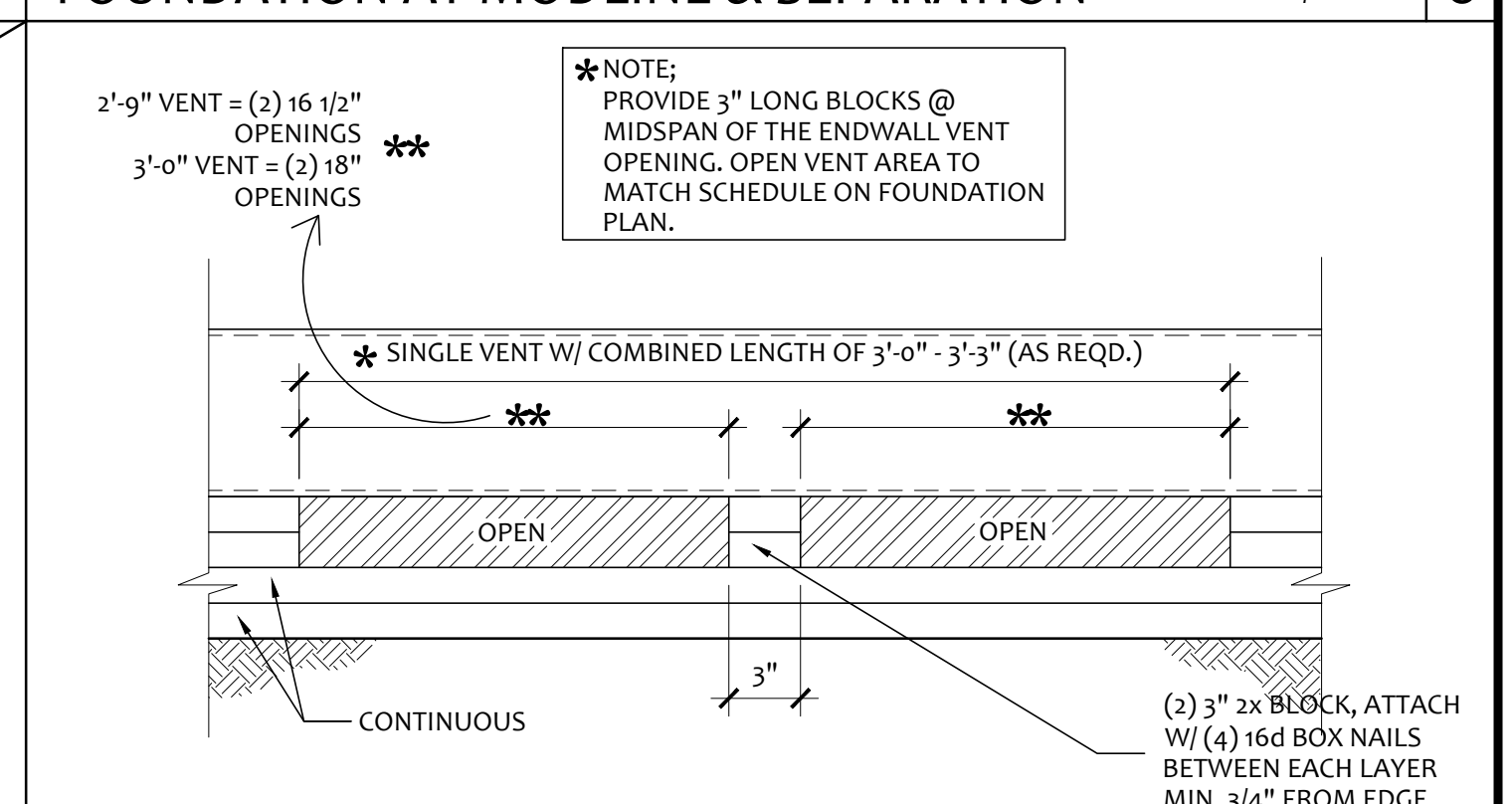
VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE: 3/8"=1'-0" 9



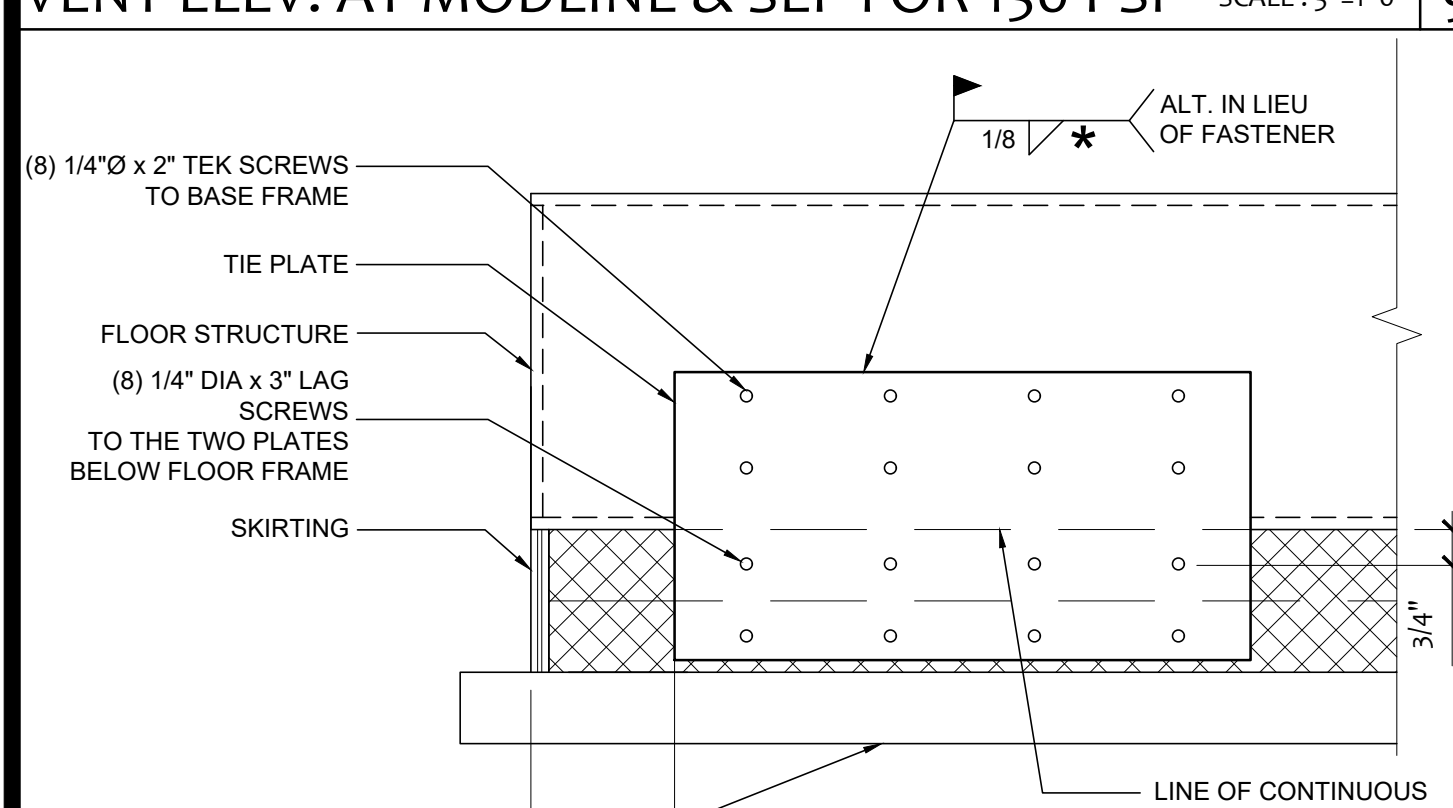
OPTIONAL CRAWLSPACE VAPOR RETARDER SCALE: 3/8"=1'-0" 10



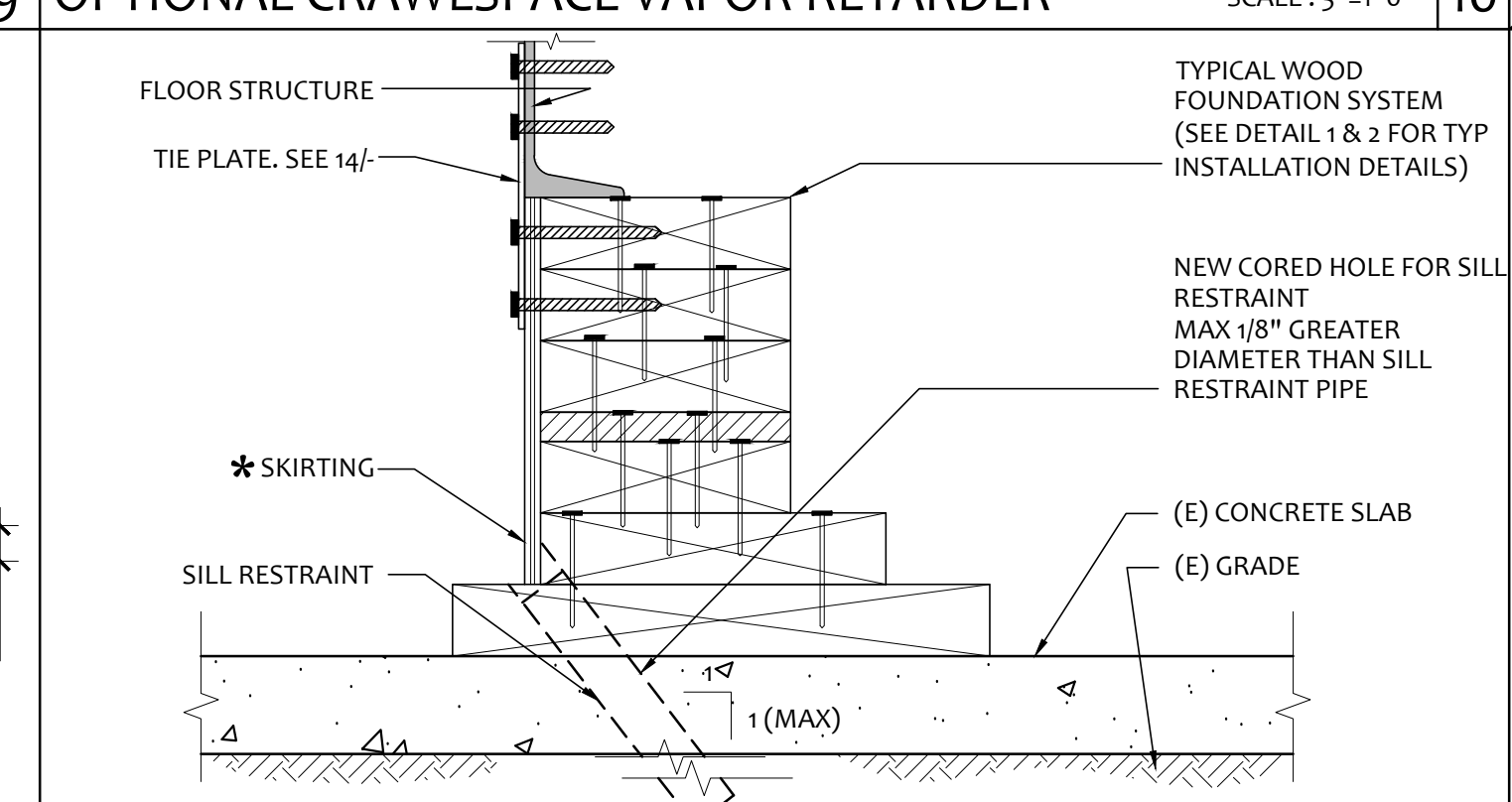
FOUNDATION AT ADJACENT BUILDING SCALE: 3/8"=1'-0" 11



END WALL VENT SCALE: 1 1/2"=1'-0" 12



TIE PLATE DETAIL SCALE: 3/8"=1'-0" 14



NAILING SPACING SCHEDULE SCALE: 3/8"=1'-0" 15

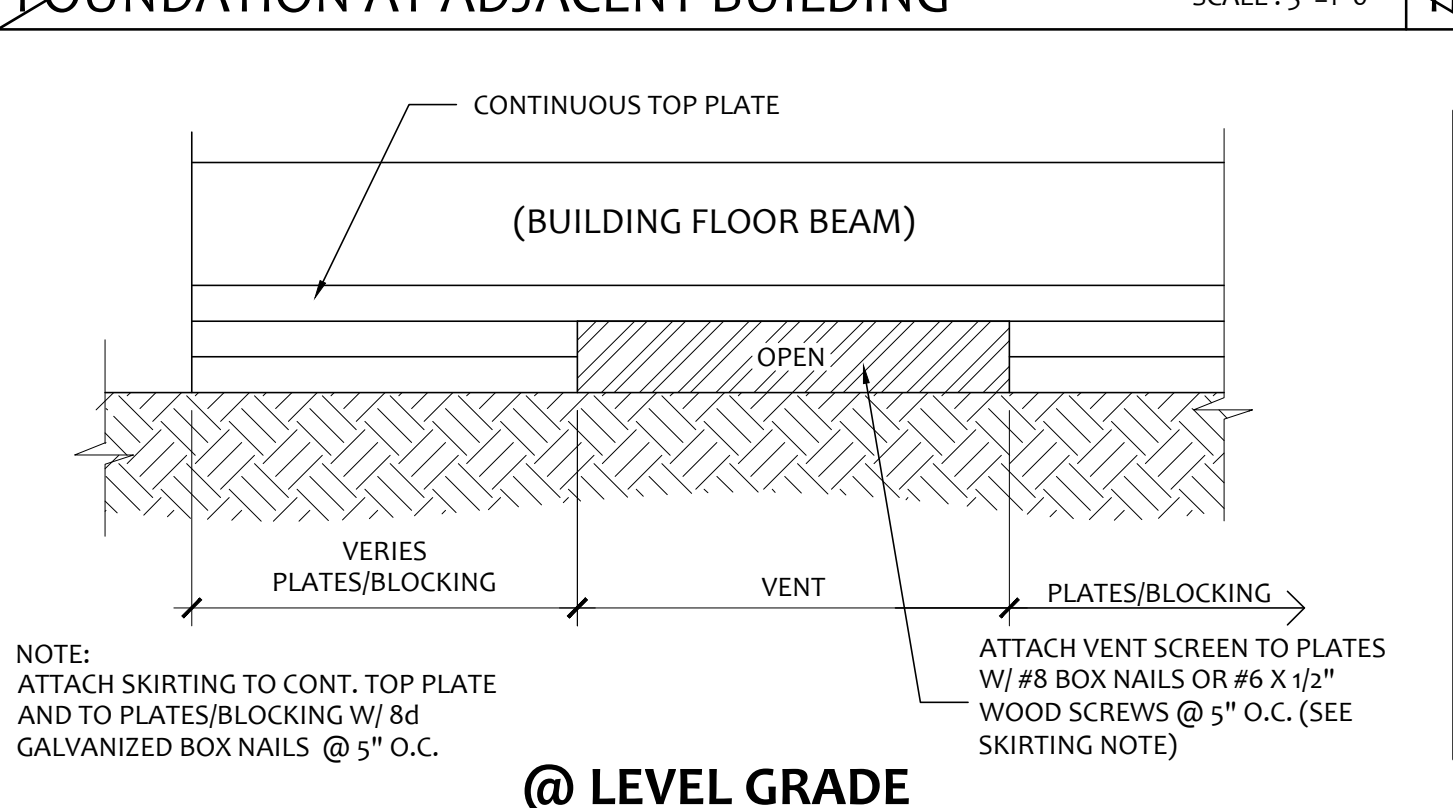
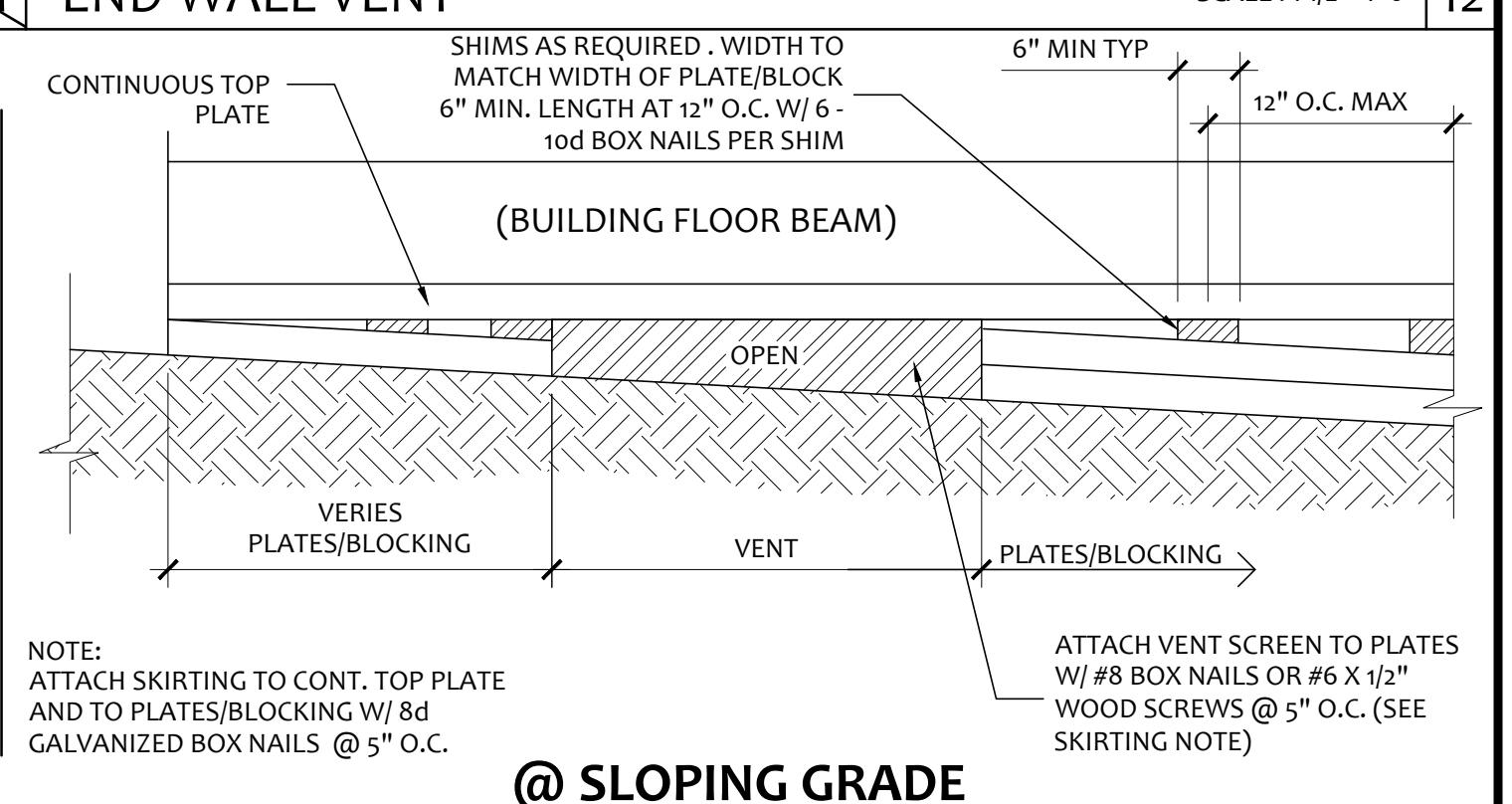


PLATE LAYOUT AT BUILDING PERIMETER SCALE: 1 1/2"=1'-0" 15A



END WALL VENT @ SLOPING GRADE SCALE: 1 1/2"=1'-0" 15B

BLDG SIZE	FLOOR LOAD	PLATE TO BLOCK	BLOCK TO BLOCK	BLOCK TO SILL PLATE	SHIM TO BLOCK OR SILL PLATE	PLATE TO PLATE AT ADJACENT BLDGs	PLATE TO PLATE AT IDE FLANGE & TOED-OUT CHANNELS
24X40	50+15 PSF	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 2.5" O.C.	NAILING-16d BOX NAILS - 2" O.C.
24X40	100 PSF	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 2.5" O.C.	NAILING-16d BOX NAILS - 2" O.C.
24X40	150 PSF	NAILING-16d BOX NAILS - 4.5" O.C.	NAILING-16d BOX NAILS - 4.5" O.C.	NAILING-16d BOX NAILS - 4.5" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 1.5" O.C.	NAILING-16d BOX NAILS - 1" O.C.
36X40	50+15 PSF	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 2" O.C.	NAILING-16d BOX NAILS - 1.5" O.C.
36X40	100 PSF	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAILING-16d BOX NAILS - 5" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 2" O.C.	NAILING-16d BOX NAILS - 1.5" O.C.
36X40	150 PSF	NAILING-16d BOX NAILS - 3" O.C.	NAILING-16d BOX NAILS - 3" O.C.	NAILING-16d BOX NAILS - 3" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 1" O.C.	NAILING-16d BOX NAILS - .75" O.C.
48X40	50+15 PSF	NAILING-16d BOX NAILS - 4" O.C.	NAILING-16d BOX NAILS - 4" O.C.	NAILING-16d BOX NAILS - 4" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 1.5" O.C.	NAILING-16d BOX NAILS - 1" O.C.
48X40	100 PSF	NAILING-16d BOX NAILS - 4" O.C.	NAILING-16d BOX NAILS - 4" O.C.	NAILING-16d BOX NAILS - 4" O.C.	NAIL SHIMS ITH 6 - 10d BOX NAILS	NAILING-16d BOX NAILS - 1.5" O.C.	NAILING-16d BOX NAILS - 1" O.C.
48X40	150 PSF	NAILING-16d BOX NAILS - 2" O.C.	NAILING-16d BOX NAILS - 2" O.C.	NAILING-16d BOX NAILS - 2" O.C.	NAIL SHIMS ITH 7 - 10d BOX NAILS	NAILING-16d BOX NAILS - .75" O.C.	NAILING-16d BOX NAILS - .5" O.C.

TIE PLATE DETAIL SCALE: 3/8"=1'-0" 14

NAILING SPACING SCHEDULE SCALE: 3/8"=1'-0" 15

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123037 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/08/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

EM ELITE MODULAR
LEASING & SALES, INC.
P.O. BOX 78447
CORONA CA 92877
PHONE: 951-422-2500
FAX: 951-943-3074

PROJECT NAME:

SHEET TITLE:
**FOUNDATION
DETAILS
WOOD**

ARCHITECT OF RECORD
SUBMISSION DATE

Rockwell
ARCHITECTS
STATE OF CALIFORNIA
No. 3602

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120373 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 08/24/2021

2019 CBC
ORIGINAL PC STATE AGENCY APPROVAL

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REVISIONS

1	2	3	4	5	6	7
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PROJECT NO:

DRAWN BY: F.C.

SCALE: AS NOTED

DATE: AUGUST 23, 2021

SHEET NUMBER
WFD-01