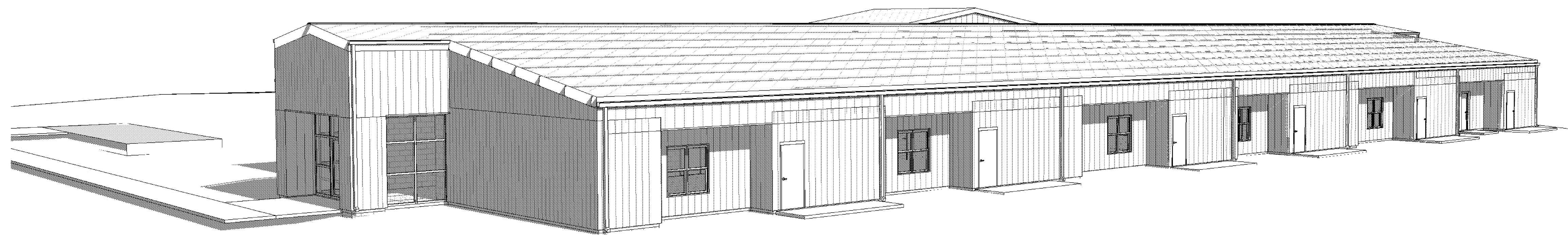


GENERAL NOTE: THIS BUILDING IS DESIGNED IN PART AS A STORM SHELTER BASED ON FEMA 361 GUIDELINES

LIMIT OF LIABILITY:
 THE DESIGNS INCLUDED HEREIN ARE BASED ON EXTENSIVE RESEARCH OF THE CAUSES AND EFFECTS OF WINDSTORM DAMAGE TO BUILDINGS. SHELTERS DESIGNED AND BUILT TO THESE DESIGNS SHOULD PROVIDE A HIGH DEGREE OF OCCUPANT PROTECTION DURING TORNADOS. ANY SUBSTITUTION OF EITHER MATERIALS OR DESIGNS CONCEPTS MAY DECREASE THE LEVEL OF OCCUPANT PROTECTION AND/OR INCREASE THE POSSIBILITY OF PERSONAL INJURY DURING A SEVERE WIND EVENT BECAUSE IT IS NOT POSSIBLE TO PREDICT OR TEST ALL CONDITIONS THAT MAY OCCUR DURING SEVERE WINDSTORMS. OR CONTROL THE QUALITY OF CONSTRUCTION. AMONG OTHER THINGS, THE DESIGNER DOES NOT WARRANT THE DESIGN. THE DESIGNER NEITHER MANUFACTURES NOR SELLS SHELTERS BUILT FROM THIS DESIGN. THE DESIGNERS HAVE NOT MADE AND DO NOT MAKE ANY REPRESENTATION, WARRANTY, OR COVENANT, EXPRESS OR IMPLIED, WITH RESPECT TO THE DESIGN, CONDITION, QUALITY, DURABILITY, OPERATION, FITNESS FOR USE, OR SUITABILITY OF THE SHELTER IN ANY RESPECT WHATSOEVER. DESIGNERS SHALL NOT BE OBLIGATED OR LIABLE FOR ACTUAL, INCIDENTAL, CONSEQUENTIAL, OR OTHER DAMAGES OF OR TO USERS OF SHELTERS OR ANY OTHER PERSON OR ENTITY ARISING OUT OF OR IN AND/OR PERFORMANCE OF SHELTERS BUILT FROM THIS DESIGN OR FROM THE MAINTENANCE THEREOF.

IMPORTANT NOTE:
 ALL CONTRACTORS AND SUB CONTRACTORS BIDDING THIS PROJECT ARE REQUIRED TO REVIEW A FULL SET OF PLANS AND SPECIFICATIONS BEFORE SUBMITTING A BID FOR ALL OR PART OF THE CONSTRUCTION WORK. CONTRACTORS AND SUB CONTRACTORS ARE TO FULLY REVIEW AND BECOME FAMILIAR WITH ALL ASPECTS OF THE PLANS AND SPECIFICATIONS. ALL CONTRACTORS AND SUB CONTRACTORS BIDDING A PORTION OF THIS PROJECT ARE TO FAMILIARIZE THEMSELVES WITH THE WORK TO BE PERFORMED BY OTHER TRADES THAT MIGHT HAVE A BEARING OR AFFECT THE PORTION OF THE WORK THAT THEY ARE BIDDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUB CONTRACTORS TO COORDINATE ALL WORK ON ALL DRAWINGS AND SPECIFICATIONS. NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL WORK FOR A PARTICULAR TRADE IS DEFINED IN ONLY A PARTICULAR SET OF DRAWINGS WITHIN THIS COMPLETE SET. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUB CONTRACTORS TO BRING ANY DISCREPANCY, QUESTIONS NEEDING CLARIFICATION AND/OR CONFLICT IN THE PLANS AND SPECIFICATIONS DISCOVERED BY THE CONTRACTOR AND/OR SUB CONTRACTORS TO THE ATTENTION OF THE ARCHITECT IN WRITING BEFORE BIDDING FOR PURPOSE OF CLARIFICATION (SEE SPECIFICATIONS FOR PROCEDURE). IF IT IS DETERMINED THAT THE CONTRACTOR AND/OR SUB CONTRACTORS DID NOT REVIEW A FULL SET OF PLANS AND SPECIFICATIONS, FAILED TO ASK FOR CLARIFICATION AND/OR THAT THE CONTRACTOR AND/OR SUB CONTRACTOR SHOULD HAVE DISCOVERED A DISCREPANCY AND/OR CONFLICT IN THE PLANS AND SPECIFICATIONS WHEN REVIEWING THE PLANS AND SPECIFICATIONS IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUB CONTRACTOR TO PROVIDE THE NECESSARY LABOR AND MATERIALS TO PERFORM THE WORK THAT IS NECESSARY WITHOUT ADDITIONAL COMPENSATION. THIS DETERMINATION WILL BE MADE BY THE ARCHITECT AND THE ARCHITECT'S DECISION WILL BE FINAL.



GRAPHIC SYMBOL LEGEND

BREAK LINE TO FACE OF FINISH MATERIAL
ORIGINAL PROPERTY LINE TO FACE OF CONC. WALL, METAL STUD OR C.M.U.
HIDDEN LINE TO COLUMN CENTERLINE OR STRUCTURAL WALL
CENTER LINE

DIMENSIONS

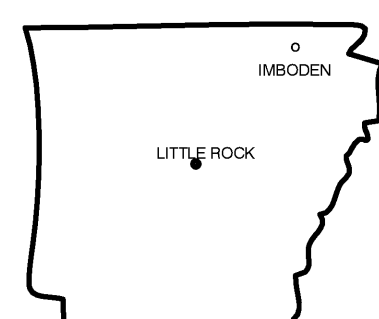
EXISTING SPOT ELEVATION, FINISH SPOT ELEVATION, WINDOW TYPE, ELEVATION DATUM HEIGHT RELATIVE TO FINISH SLAB, COLUMN GRID SYMBOL, JOB NORTH

DOOR NUMBER, WALL TYPE DESIGNATION, CHANGE DESIGNATION, ADDENDUM, REVISION ADDENDUM, DRAWING NUMBER, SHEET NUMBER THIS SET, SECTION (BLDG, WALL OR DETAIL) MARK, ROOM name, APROXIMATE SQUARE FOOTAGE, DETAIL MARK

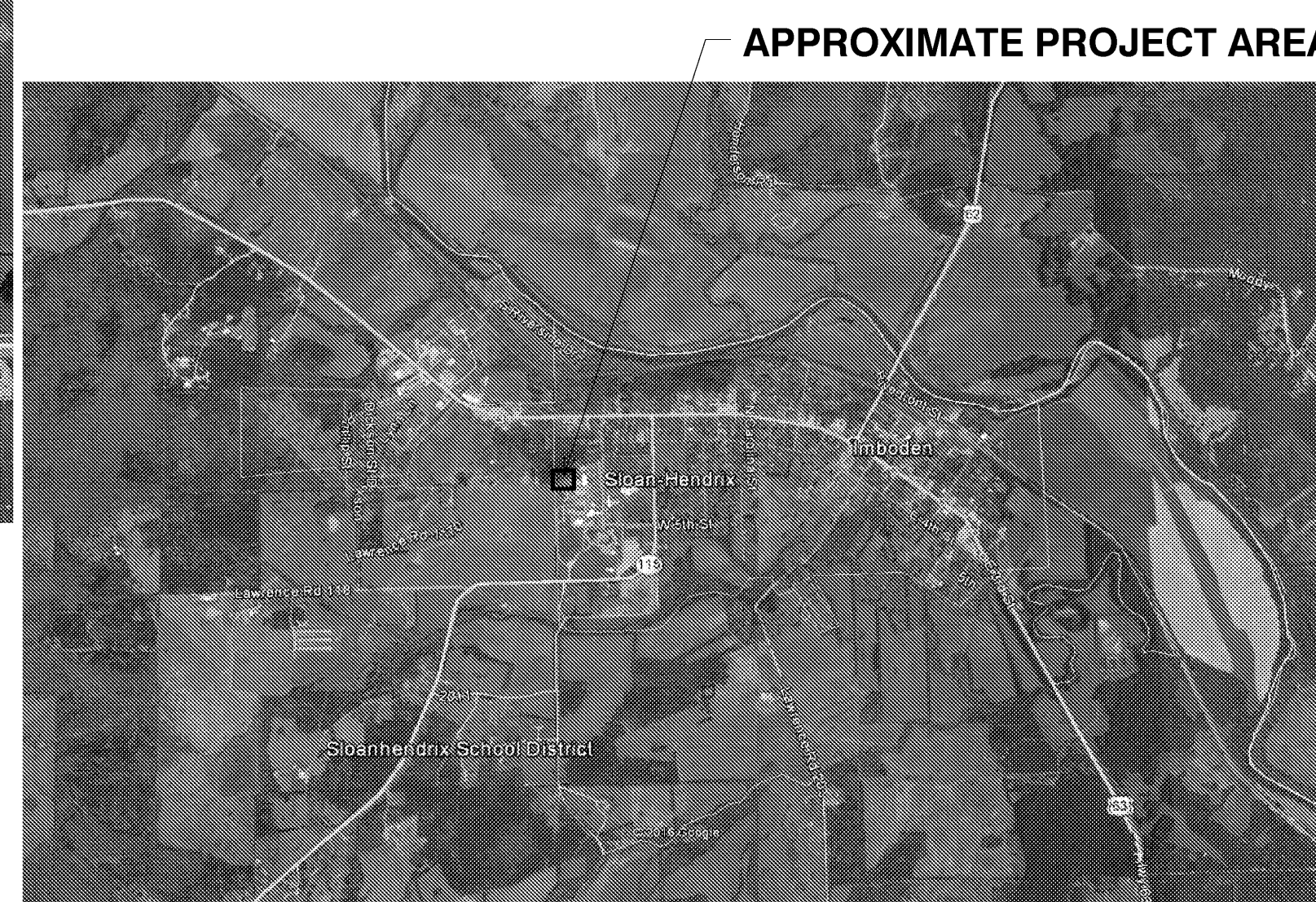
NUMBER-REFERENCE TO CONSTRUCTION NOTE, KEYNOTES OR CONSTRUCTION NOTE, LETTER OR NUMBER-REFERENCE TO CHART ON DRAWING, COLOR SPECIFICATIONS PAINT ALUMINUMS, FINISH REFERENCE



CAMPUS MAP



STATE MAP



IMBODEN AREA MAP

**A NEW K-4 CLASSROOM BUILDING
 SLOAN HENDRIX SCHOOL DISTRICT**

**SLOAN HENDRIX SCHOOL CAMPUS,
 IMBODEN ARKANSAS**

ISSUED 3-10-2017

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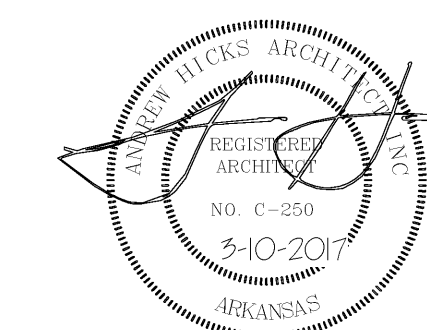
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I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS

5-10-2017
 ANDREW F. HICKS, ARCHITECT
 ARKANSAS REGISTRATION NO. 1479



<p>THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 598B.</p> <p>WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE ADA STANDARDS.</p> <p>PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT.</p> <p>LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3.5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1.5 AND 1:1.</p> <p>CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.</p> <p>CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 3105(A), THE MINIMUM CHARACTER HEIGHT SHALL BE 3".</p> <p>CONTRACTED GRADE 2 BRaille SHALL BE USED WHEREVER BRaille SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.</p>	N.T.S.
SIGNS & IDENTIFICATION	24

<p>THE CENTER OF 15, 20 AND 30 AMP ELECTRICAL OUTLETS AND COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORMS. SEC 3103(A)(4) & 31010-50(5).</p> <p>THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORM. BUT NOT LESS THAN 36".</p> <p>THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK.</p>	N.T.S.
ELECTRICAL	25

<p>IT IS SUGGESTED THAT OUTLETS BE MOUNTED 16" TO BOTTOM OF OUTLET BOX FROM FLOOR AND THAT WALL SWITCHES BE MOUNTED AT 48" TO TOP OF SWITCH BOX FROM FINISH FLOOR</p>	N.T.S.
OBJECT MOUNTING HEIGHTS	26

<p>PUBLIC TELEPHONES</p> <p>GENERAL. WHEN PUBLIC PHONES ARE PROVIDED, THEY MUST COMPLY.</p> <p>A. A CLEAR FLOOR OR GROUND SPACE AT LEAST 30 INCHES IN BY 48 INCHES THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT TELEPHONES. BASES, ENCLOSURES, AND FIXED SEATS SHALL NOT IMPED APPROACHES BY PEOPLE WHO USE WHEELCHAIRS.</p> <p>B. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE NO HIGHER THAN 54 INCHES WHERE SIDE REACH IS POSSIBLE, AND NO HIGHER THAN 48 INCHES WHERE FORWARD REACH IS REQUIRED.</p> <p>NOTE: IF X < 30 INCHES, THEN X SHALL BE > 27 INCHES.</p> <p>NOTE: IF Y > 12 INCHES, THEN Y SHALL BE > 30 INCHES.</p>	N.T.S.
PUBLIC TELEPHONES	27

<p>DOOR THRESHOLDS</p> <p>DOORMAT MUST BE SECURELY ANCHORED OR RECESSED INTO DOOR LANDING</p> <p>IF PILE HEIGHT EXCEEDS 1/4", THEN EDGES MUST HAVE BEVELED TRIM</p> <p>1/2" MAX. PILE THICKNESS</p> <p>1/2" MAX. AT 1:2 SLOPE</p>	N.T.S.
DOOR THRESHOLDS	22

<p>FLOORS AND LEVELS</p> <p>1. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS AND CURB RAMPS ARE STABLE, FIRM AND SLIP RESISTANT.</p> <p>2. CARPETS OR CARPET TILES ARE SECURELY ATTACHED AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT FILE OR LEVEL-CUT/UNCUT FILE WITH PILE NOT EXCEEDING 1/2" IN HEIGHT.</p> <p>3. EXPOSED EDGES OF CARPET ARE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE.</p> <p>4. CHANGES IN LEVEL DO NOT EXCEED 1/2" BEVELED AT A 1:2 GRADIENT (1/4" VERTICAL IS ALLOWABLE).</p> <p>5. GRATINGS LOCATED IN WALKING SURFACES HAVE GRID OPENINGS A MAXIMUM OF 1/2" WIDE IN ONE DIRECTION.</p> <p>6. WHEN GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAFFIC.</p>	N.T.S.
FLOORS AND LEVELS	28

<p>HAZARDS</p> <p>1. ABRUPT CHANGES IN LEVELS, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING FOUR INCHES (4") IN VERTICAL HEIGHT, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, REQUIRE WARNING CURBS A MINIMUM OF 6" IN HEIGHT ABOVE THE WALKWAY SURFACE.</p> <p>A. ANY OBSTRUCTION THAT OVERHANGS A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80" ABOVE THE WALKING SURFACE (MEASURED FROM THE BOTTOM OF THE OBSTRUCTION).</p> <p>B. IF VERTICAL CLEARANCE OF AN AREA ADJOINING AN ACCESSIBLE ROUTE IS REDUCED TO LESS THAN 80", A BARRIER TO WARN BLIND OR VISUALLY IMPAIRED PERSONS IS PROVIDED.</p> <p>C. SIDEWALKS / WALKS SHALL BE CLEAR OF HAZARDS.</p> <p>PROTRUDING OBJECTS</p> <p>2. OBJECTS PROJECTING FROM WALLS WHOSE LEADING EDGES ARE BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR DO NOT PROTRUDE MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS OR AISLES. OBJECTS WHOSE LEADING EDGES ARE AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT.</p> <p>A. PROTRUDING OBJECTS MAY NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.</p> <p>B. FREE STANDING OBJECTS MOUNTED ON POSTS OR PYLONS OVERHANG 12" MAXIMUM FROM 27" TO 80" ABOVE THE FINISHED FLOOR.</p> <p>C. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES HAVE A MINIMUM OF 80" CLEAR HEAD ROOM.</p> <p>D. IF VERTICAL CLEARANCE OF AN AREA ADJOINING AN ACCESSIBLE ROUTE IS REDUCED TO LESS THAN 80", A BARRIER TO WARN THE BLIND OR VISUALLY-IMPAIRED PERSONS SHALL BE PROVIDED.</p>	N.T.S.
HAZARDS AND PROTRUDING OBJECTS	20

<p>DOORS</p> <p>1. MINIMUM 3' IN WIDTH, 7'-0" IN HEIGHT.</p> <p>2. OPENS A MINIMUM OF 90 DEGREES.</p> <p>3. CLEAR WIDTH OF THE DOORWAY IS 32" MINIMUM.</p> <p>4. DOUBLE DOORS/AUTOMATIC DOORS - AT LEAST ONE DOOR MUST COMPLY WITH 1, 2 AND 3, ABOVE.</p> <p>5. BOTTOM 10" OF DOOR HAS A SMOOTH, UNINTERRUPTED SURFACE (KICK PLATE).</p> <p>6. EFFORT TO OPERATE DOORS IS WITHIN PRESSURES ALLOWED.</p> <p>A. INTERIOR DOORS - 5 POUNDS MAXIMUM PRESSURE TO OPERATE.</p> <p>B. EXTERIOR DOORS - 8 1/2 POUNDS MAXIMUM PRESSURE TO OPERATE.</p> <p>C. FIRE DOORS - 15 POUNDS MAXIMUM PRESSURE TO OPERATE.</p> <p>7. AUTOMATIC DOORS MUST PROVIDE A MINIMUM 32" CLEARANCE WHEN FULLY OPEN.</p> <p>DOORS HARDWARE</p> <p>1. EXIT DOORS ARE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.</p> <p>2. OPERABLE WITH A SINGLE EFFORT (EX. LEVER TYPE, PANIC BARS OR PUSH-PULL TYPE).</p> <p>3. OPENING HARDWARE IS CENTERED BETWEEN 34" AND 48" ABOVE FINISH FLOOR.</p> <p>4. DOOR CLOSERS, IF PRESENT, MUST BE SET SO THAT IT TAKES AT LEAST 5 SECONDS TO CLOSE FROM AN OPEN POSITION OF 70 DEGREES TO WITHIN 3" OF THE LATCH.</p>	N.T.S.
DOORS AND DOOR HARDWARE	21

<p>TYPICAL ACCESSIBLE PARKING STALL</p> <p>ALL APPROACH WALKS TO ACCESSIBLE PARKING STALLS TO HAVE A MAXIMUM OF 2% SIDE SLOPE ACROSS THE WALK</p> <p>HANDICAP LOADING ZONE AND PARKING STALL TO HAVE A MAXIMUM OF 2% SIDE SLOPE IN ANY DIRECTION</p>	N.T.S.
TYPICAL VAN ACCESSIBLE PARKING STALL	16

<p>ACCESSIBLE CURB CUT AT WALKS</p> <p>RAMP TO MEET 2010 ADAAG WITH TRUNCATED DOMES</p> <p>FLARE TO SLOPE 1:10-MAXIMUM</p>	N.T.S.
TYPICAL ACCESSIBLE CURB CUT AT WALKS	17

<p>ACCESSIBLE PARKING</p> <p>REFLECTORIZED SIGN CONSTRUCTED OF PORCELAIN ON STEEL, BEADED TEXT, OR EQUAL, DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY & 1" HIGH LETTERING BOTH IN WHITE, 70 SQ. IN. MIN.</p> <p>BLUE BACKGROUND SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 598A</p> <p>VAN ACCESSIBLE SIGN WHERE OCCURS 12' X 31' +/-</p> <p>2"x2" STL. TUBE, CAP & PAINT</p> <p>TOP OF PAVING OR FINISH GRADE</p> <p>12" DIA. CONC. FOOTING</p> <p>NOTE: PROVIDE ONE SIGN PER ACCESSIBLE PARKING SPACE</p>	N.T.S.
ACCESSIBLE PARKING	18

<p>TYPICAL ACCESSIBLE PARKING STALL</p> <p>ALL APPROACH WALKS TO ACCESSIBLE PARKING STALLS TO HAVE A MAXIMUM OF 2% SIDE SLOPE ACROSS THE WALK</p> <p>HANDICAP LOADING ZONE AND PARKING STALL TO HAVE A MAXIMUM OF 2% SIDE SLOPE IN ANY DIRECTION</p>	N.T.S.
TYPICAL ACCESSIBLE PARKING STALL	15

<p>STAIRWAY IDENTIFICATION SIGNAGE</p> <p>1-1/2 INCH SIZE WITH 1/4-INCH STROKE ZONE</p> <p>5-INCH SIZE WITH 3/4-INCH STROKE</p> <p>1-1/2 INCH SIZE WITH 1/4-INCH STROKE</p> <p>LETTERS AND NUMERALS SHALL BE RAISED 1/32" UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE II BRaille. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2"</p> <p>THE INFORMATION ON THE SIGN MUST BE PRESENTED WITH RAISED ARABIC NUMERALS AND CORRESPONDING GRADE II BRaille. THE MEZZANINE LEVELS SHALL HAVE THE LETTER 'M' PRECEDING FLOOR NUMBER. BASEMENT LEVELS SHALL HAVE THE LETTER 'B' PRECEDING THE FLOOR NUMBER.</p>	N.T.S.
STAIRWAY IDENTIFICATION SIGNAGE	11

<p>WALKS & SIDEWALKS</p> <p>NOTES:</p> <p>GRAB BARS AT WATER CLOSET 1111B.5.4.9.2.1</p> <p>1. ONE AT SIDE 42" LONG EXTENDING 24" IN FRONT OF WATER CLOSET, ONE AT REAR OF WATER CLOSET 36" LONG, BOTH MOUNTED 33" TO 36" ABOVE FLOOR</p> <p>2. GRAB BARS SHALL BE 1-1/4" MIN TO 1-1/2" MAX. IN DIAMETER WITH 1-1/2" CLEARANCE TO WALL.</p> <p>3. BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN BENDING, SHARP TENSION, ROTATION IN FITTING NOT ALLOWED.</p> <p>4. SURFACE OF WALL ADJACENT TO GRAB BARS IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS</p>	N.T.S.
WALKS & SIDEWALKS	12

<p>GRAB BAR DETAIL</p> <p>1 1/4" MIN TO 1 1/2" MAX DIAMETER GRAB BARS</p> <p>1 1/2"</p> <p>1 1/2" MAX.</p>	N.T.S.
GRAB BAR DETAIL	13

<p>TOILET ROOM ACCESSORIES</p> <p>TOWELS & WASTE</p> <p>WASTE</p> <p>TOWELS</p> <p>DRYER</p> <p>SANITARY NAPKINS</p> <p>CUPS</p>	N.T.S.
TOILET ROOM ACCESSORIES	14

<p>PATH OF TRAVEL</p> <p>1. SITE DEVELOPMENT AND GRADING SHALL BE DESIGNED TO PROVIDE ACCESS TO ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXITS, AND ACCESS TO NORMAL PATHS OF TRAVEL, AND WHERE NECESSARY TO PROVIDE ACCESS, SHALL INCORPORATE PEDESTRIAN RAMPS, CURB RAMPS, ETC.</p> <p>2. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS, TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL, TO THE MAXIMUM EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR THE GENERAL PUBLIC.</p> <p>3. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE BUILDING ENTRANCES, ACCESSIBLE SITE FACILITIES, AND THE ACCESSIBLE ENTRANCE TO THE SITE.</p> <p>4. WHEN MORE THAN ONE BUILDING OR FACILITY IS LOCATED ON A SITE, ACCESSIBLE ROUTES OF TRAVEL SHALL BE PROVIDED BETWEEN BUILDINGS AND ACCESSIBLE SITE FACILITIES.</p> <p>5. WHEN A BUILDING OR PORTION OF A BUILDING IS REQUIRED TO BE ACCESSIBLE OR ADAPTABLE, AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE PROVIDED TO ALL PORTIONS OF THE BUILDING, TO ACCESSIBLE BUILDING ENTRANCES, AND BETWEEN THE BUILDING AND THE PUBLIC ENTRANCE TO THE SITE.</p> <p>6. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT THE FOLLOWING:</p> <p>A. ACCESSIBLE BUILDINGS, FACILITIES, ELEMENTS AND SPACES THAT ARE ON THE SAME SITE.</p> <p>B. ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS AND WITH ALL ACCESSIBLE UNITS WITHIN THE BUILDING OR FACILITY.</p> <p>7. WHERE MORE THAN ONE ROUTE OF TRAVEL IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE.</p>	N.T.S.
PATH OF TRAVEL	23

<p>CLEARANCE AT DOORS</p> <p>44" MIN TO 48" MIN (LOOK INTO BOTH DOOR AND CLOSURE)</p> <p>2% MAX SLOPE IN ANY DIRECTION</p> <p>2% MAX SLOPE IN ANY DIRECTION</p> <p>2% MAX SLOPE IN ANY DIRECTION</p> <p>2% MAX SLOPE IN ANY DIRECTION</p>	N.T.S.
CLEARANCE AT DOORS	10

<p>WARNING STRIPING</p> <p>1" MAX. FROM EDGE OF TREAD</p> <p>2" MIN. STRIP WIDTH</p> <p>INTERIOR STAIRS</p> <p>EXTERIOR STAIRS</p> <p>NOTE: WARNING STRIPS MUST BE CLEARLY CONTRASTING COLOR FROM ADJOINING SURFACES. THE STRIP MUST BE MADE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. (PAINTED STRIPS ARE ACCEPTABLE)</p>	N.T.S.
WARNING STRIPING	6

<p>INTERIOR SIGNAGE</p> <p>NOTES:</p> <p>A. AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL THERE SHALL BE A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE BUILDING ENTRANCE AND FACILITY</p> <p>B. SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 1:20 GRADIENT (5%)</p> <p>C. CROSS SLOPE DOES NOT EXCEED 1:48 GRADIENT (2.08%)</p> <p>D. 48" MINIMUM WIDTH OF WALKWAYS</p> <p>E. NO GRATINGS (IF GRATINGS ARE NECESSARY, GRID OPENINGS ARE A MAXIMUM OF 1/2" IN DIRECTION OF TRAFFIC FLOW)</p> <p>F. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5' IN LENGTH EVERY 48'</p> <p>G. ACCESSIBLE ROUTES WITH LESS THAN 60" CLEAR WIDTH HAVE PASSING SPACES A MINIMUM OF 60" X 60" AT LEAST EVERY 200'</p> <p>NOTE: A-T INTERSECTION OF TWO CORRIDORS OR WALKS IS AN ACCEPTABLE PASSING SPACE.</p> <p>H. SURFACE IS SLIP RESISTANT</p> <p>1. LEVEL CHANGES BETWEEN 1/4" - 1/2" ARE BEVELED A MINIMUM OF 1:2.</p>	N.T.S.
INTERIOR SIGNAGE	7

<p>ENTRANCE SIGNAGE</p> <p>INTERNATIONAL SYMBOL OF ACCESSIBILITY (SEE DET. 3 THIS SHEET)</p>	N.T.S.
ENTRANCE SIGNAGE	8

<p>IMPORTANT NOTES:</p> <p>1. THIS INFORMATION PROVIDED ON THIS SHEET REPRESENTS SOME LIMITED ADA STANDARD GUIDELINES FOR ACCESSIBILITY AND ALSO CONSTRUCTION STANDARDS FOR THIS PROJECT. ITEMS SHOWN ARE NOT NECESSARILY INCLUDED IN THE PLAN OR SPECIFICATIONS MUST BE CONSTRUCTED TO THE STANDARDS SHOWN AS WELL AS ANY OTHER STANDARDS AS DETAILED WITHIN THESE DOCUMENTS. FOR EXAMPLE IF A PROJECT HAS NO CAR PARKING AREA SHOWN WITHIN THESE DOCUMENTS THEN DISREGARD THE PARKING INFORMATION GIVEN HERE.</p> <p>2. IF ANY FURTHER QUESTIONS MAY ARISE CONTRACTOR IS TO CONSULT WITH THE FULL 2010 ADA GUIDELINES, AVAILABLE ONLINE, AND THE ARCHITECT BEFORE CONSTRUCTION ANY FEATURE THAT MAY HAVE ACCESSIBILITY ISSUES.</p>	N.T.S.
APPLICATION NOTES	9

<p>FIRE EXTINGUISHER CABINET</p> <p>TOP OF CABINET</p> <p>FIRE EXTINGUISHER AND CABINET</p> <p>FINISH FLOOR LINE</p>	N.T.S.
FIRE EXTINGUISHER CABINET	5

<p>TOILET SIGNAGE</p> <p>DOOR-MOUNTED SIGNAGE APPROPRIATE TO ROOM USE</p> <p>NOTES:</p> <p>1. ON DOORWAYS LEADING TO SANITARY FACILITIES, THE SYMBOLS TO BE PROVIDED ARE 12" EQUILATERAL TRIANGLE FOR MEN, OR 12" DIAMETER CIRCLE FOR WOMEN, 1/4" THICK CENTERED ON DOOR, 60" ABOVE FLOOR, CONTRASTING COLOR WITH DOOR.</p>	N.T.S.
TOILET SIGNAGE	1

<p>TYPICAL RESTROOM WALL SIGNAGE</p> <p>WHITE SYMBOLS AND LETTERS ON A BLUE BACKGROUND, TYPICAL</p> <p>PERMANENT SIGNAGE TO BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. MOUNTING LOCATION MUST ALLOW A PERSON TO APPROACH WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING PATH OF THE DOOR.</p> <p>LETTERS AND NUMERALS SHALL BE RAISED 1/32" UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE II BRaille. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2"</p> <p>LITERARY BRaille STANDARD DIMENSIONS:</p> <p>DOT DIAMETER .059 INCHES</p> <p>INTER-DOT SPACING .080 INCHES</p> <p>HORIZONTAL SEPARATION BETWEEN CELLS .241 INCHES</p> <p>VERTICAL SEPARATION BETWEEN CELLS .395 INCHES</p>	N.T.S.
TYPICAL RESTROOM WALL SIGNAGE	2

<p>H/C SIGNAGE</p> <p>INTERNATIONAL SYMBOL OF ACCESSIBILITY</p> <p>NOTES:</p> <p>1. SIGNS SHALL BE DISTINCTLY DIFFERENT IN COLOR AND CONTRAST. COLOR TO BE SELECTED BY ARCHITECT</p> <p>2. SIGN ON GLASS TO BE CLEAR BACKGROUND WITH WHITE ETCHED H/C SYMBOL</p>	N.T.S.
H/C SIGNAGE	3

<p>TYPICAL GLAZED DOOR UNIT</p> <p>TYPICAL WALL SWITCH</p> <p>TYPICAL DOOR FRAME</p> <p>GLAZING ON ALL DOORS TO COMPLY WITH 48" MAX. DIM.</p> <p>BOTTOM OF LITE</p> <p>FLOOR LINE</p>	N.T.S.
TYPICAL GLAZED DOOR UNIT	4

<p>ISSUES</p>	N.T.S.
ISSUES	1

<p>ADDITIONAL NOTES</p>	N.T.S.
ADDITIONAL NOTES	2

<p>REVISIONS</p> <p>NO. DATE</p>	N.T.S.
REVISIONS	3

<p>ISSUE DATE</p> <p>3-10-2017</p>	N.T.S.
ISSUE DATE	4

<p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p>	N.T.S.
NO.	5

<p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p>	N.T.S.
NO.	6

<p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p>	N.T.S.
NO.	7

<p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p> <p>NO.</p>	N.T.S.
NO.	8

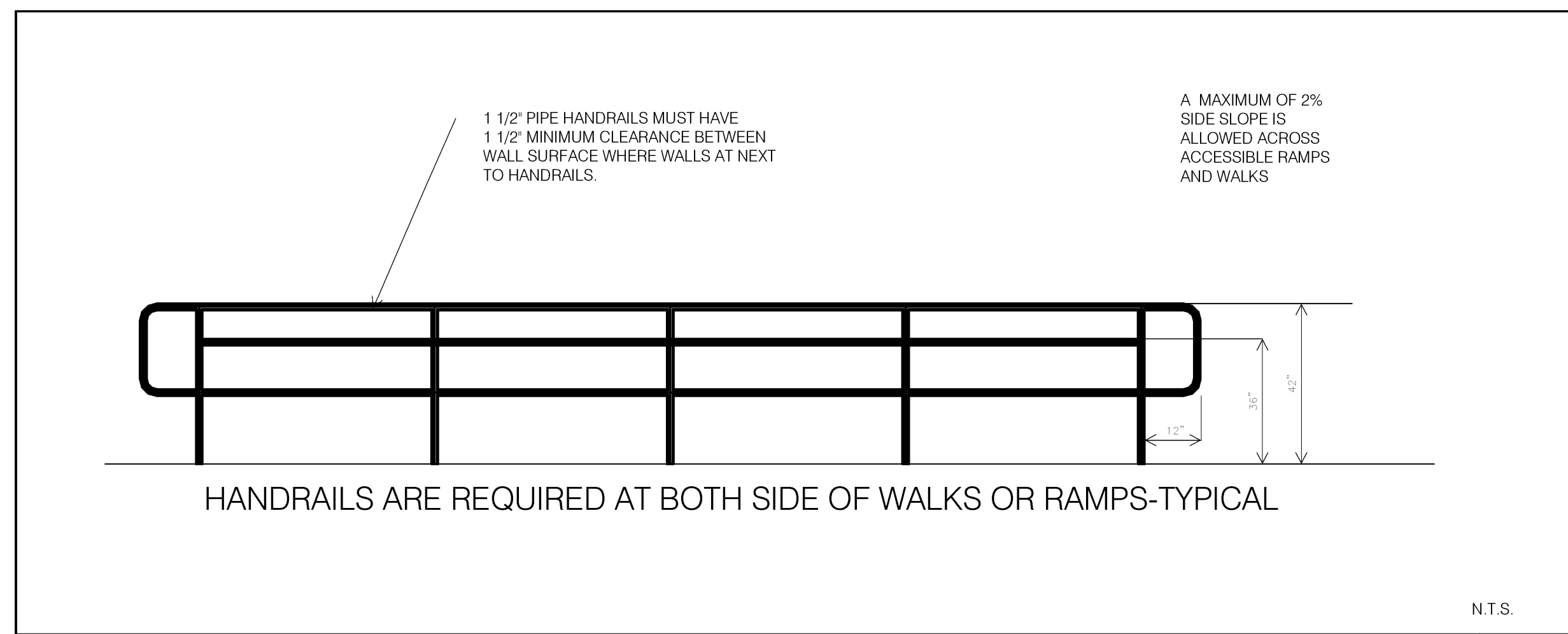
ANDREW HICKS ARCHITECT
 ARCHITECT OF RECORD
 ANDREW F. HICKS

A NEW K-4 CLASSROOM BUILDING
 FOR
 SIOGAN HENDRIX SCHOOL DISTRICT
 SIOGAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

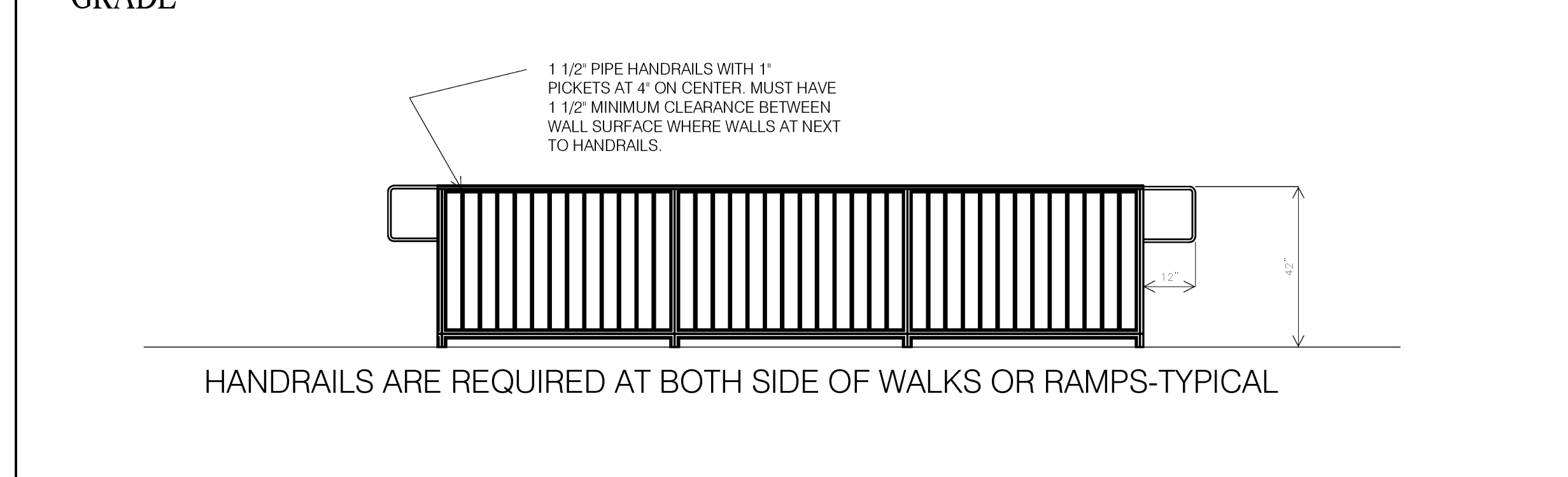
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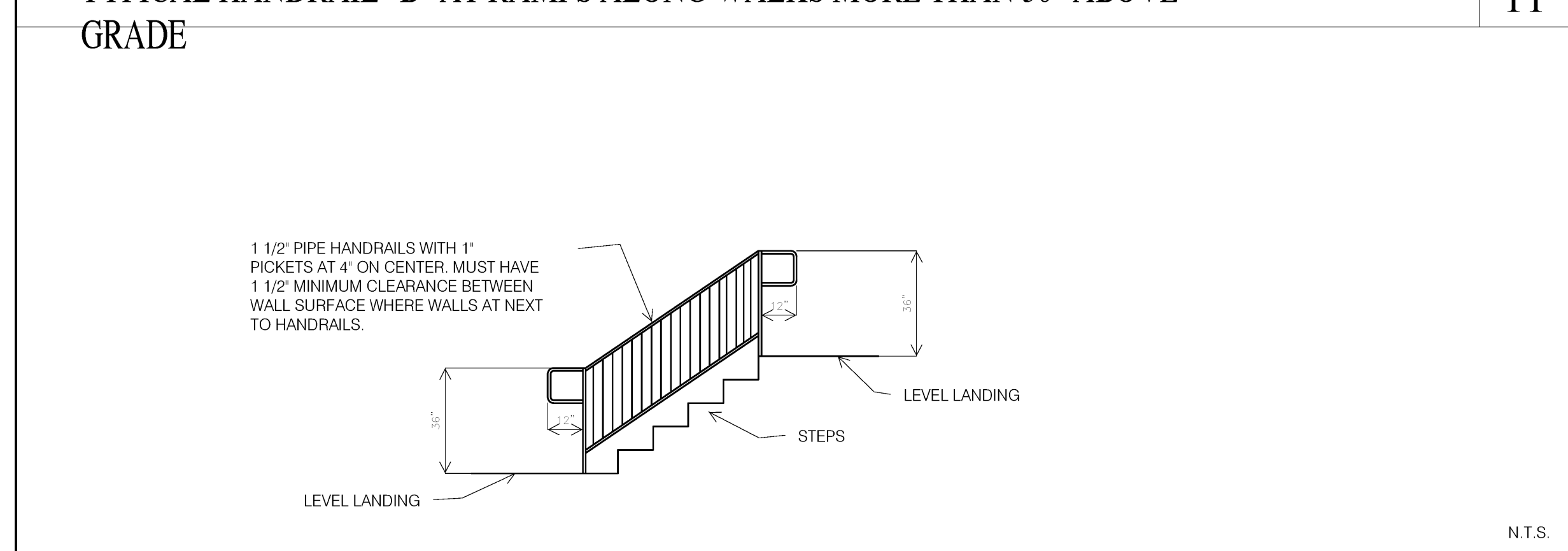
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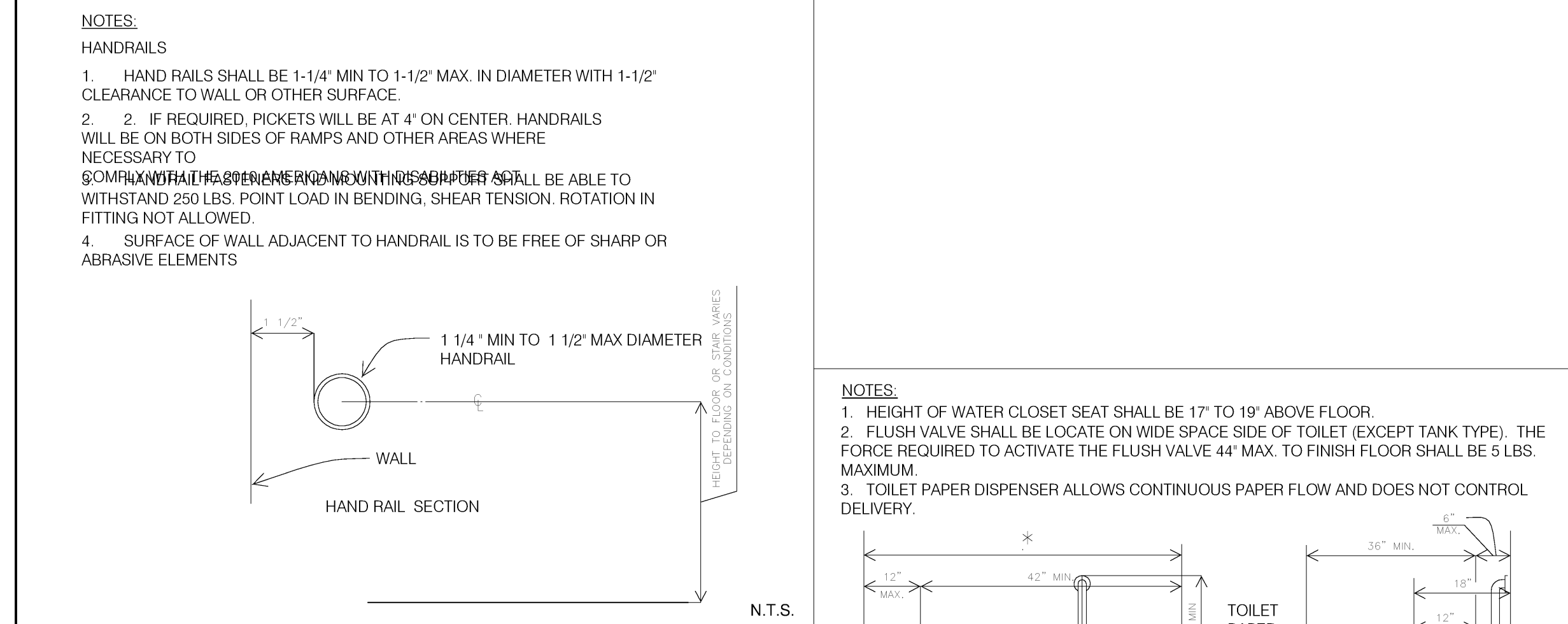
TYPICAL HANDRAIL "A" AT RAMPS ALONG WALKS LESS THAN 30" ABOVE GRADE 10



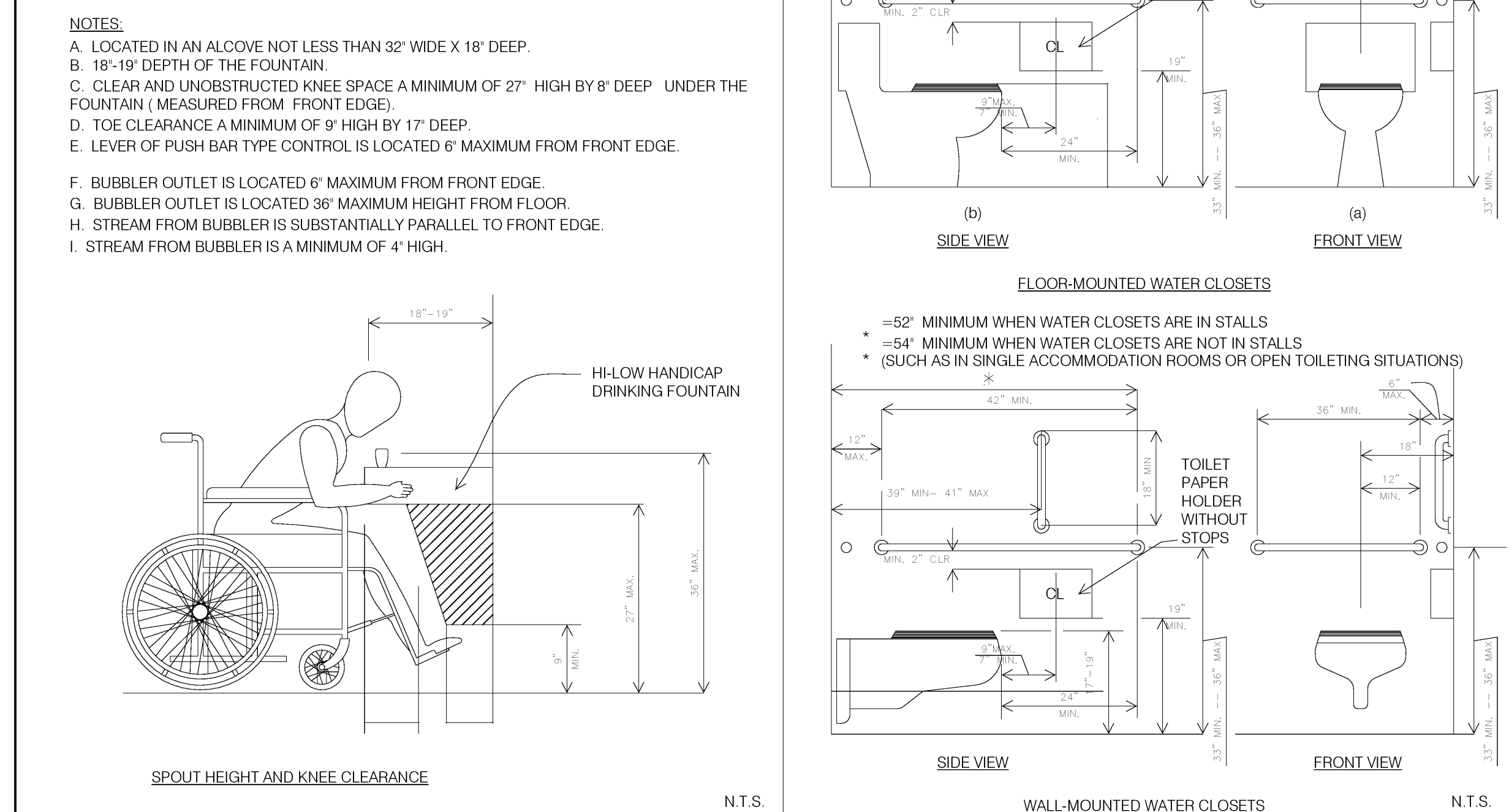
TYPICAL HANDRAIL "B" AT RAMPS ALONG WALKS MORE THAN 30" ABOVE GRADE 11



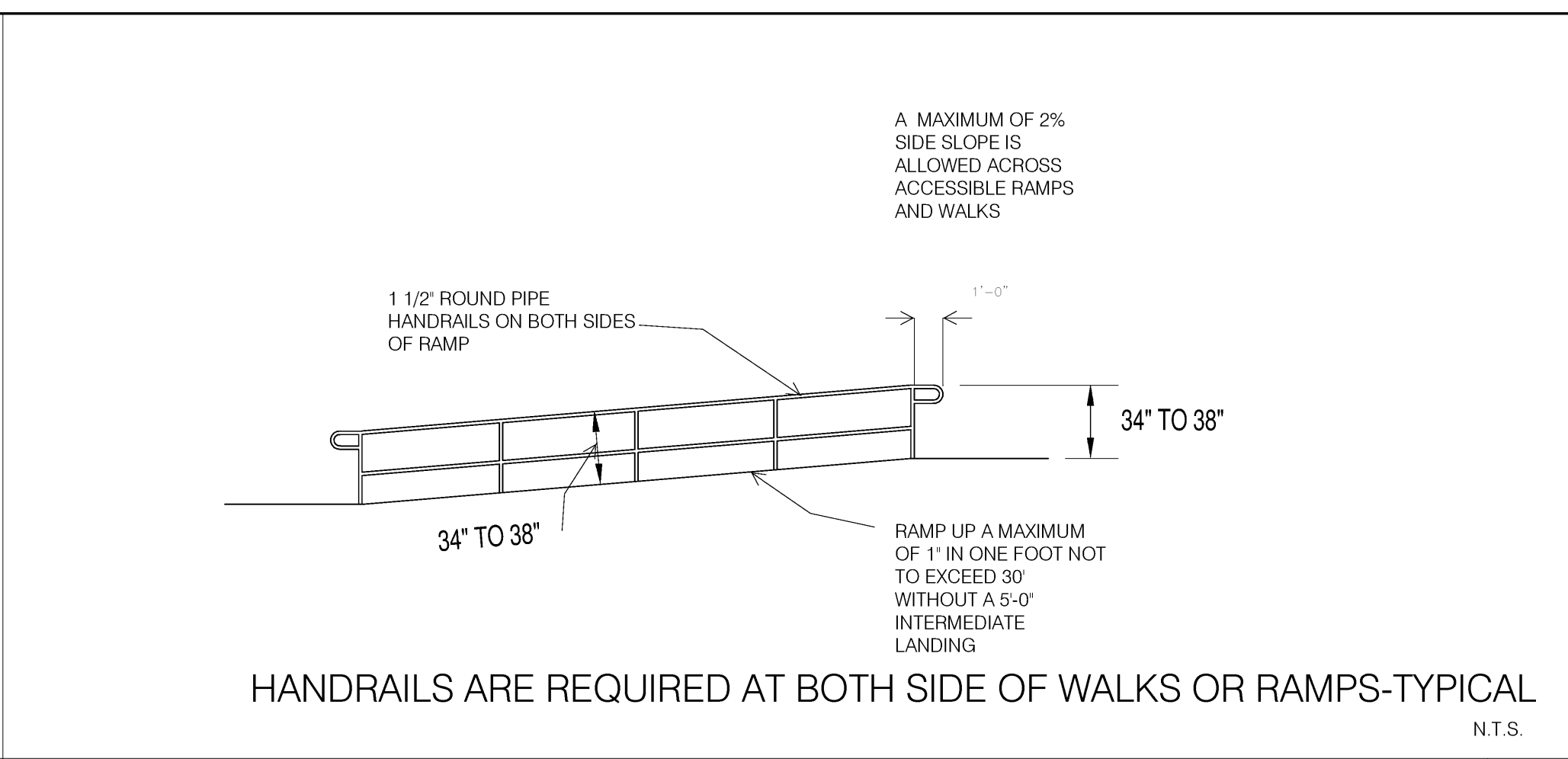
TYPICAL HANDRAILS AT STEPS AND RAMPS 29



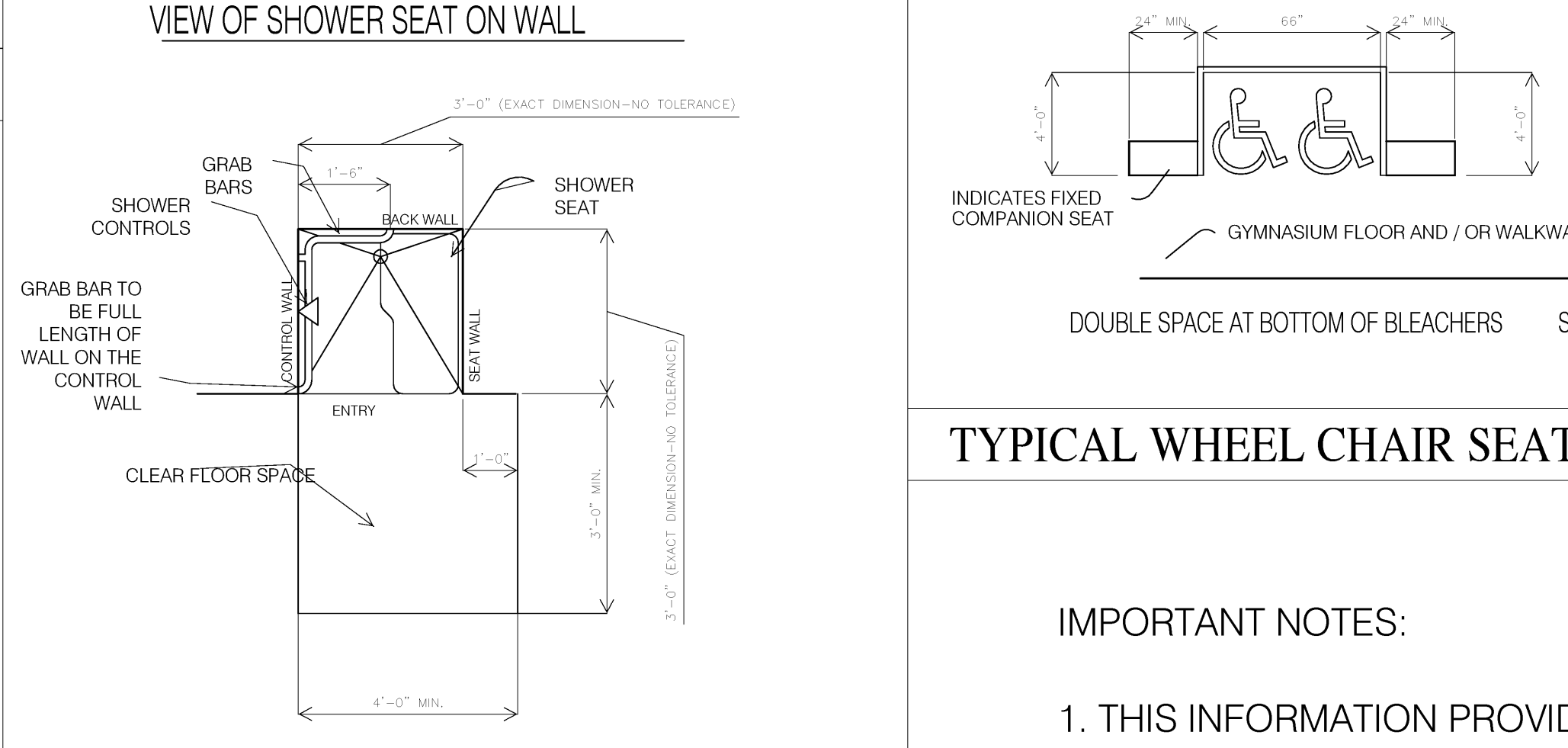
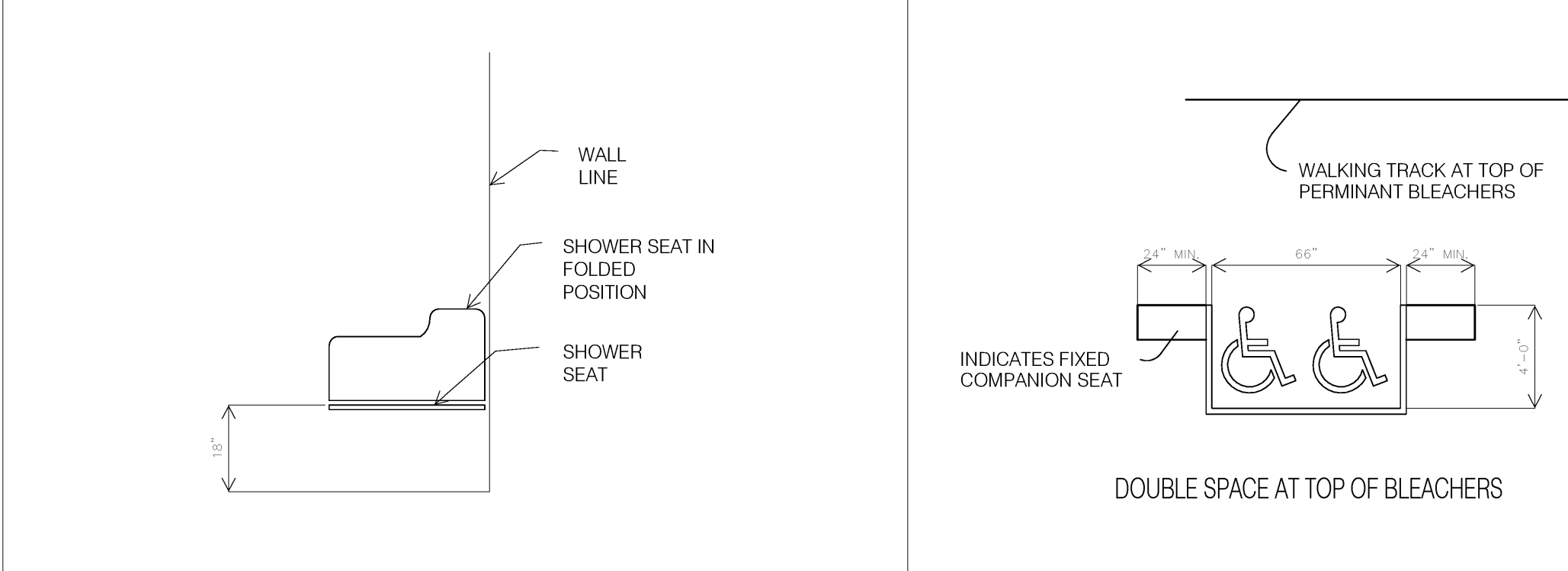
HANDRAIL DETAIL 13



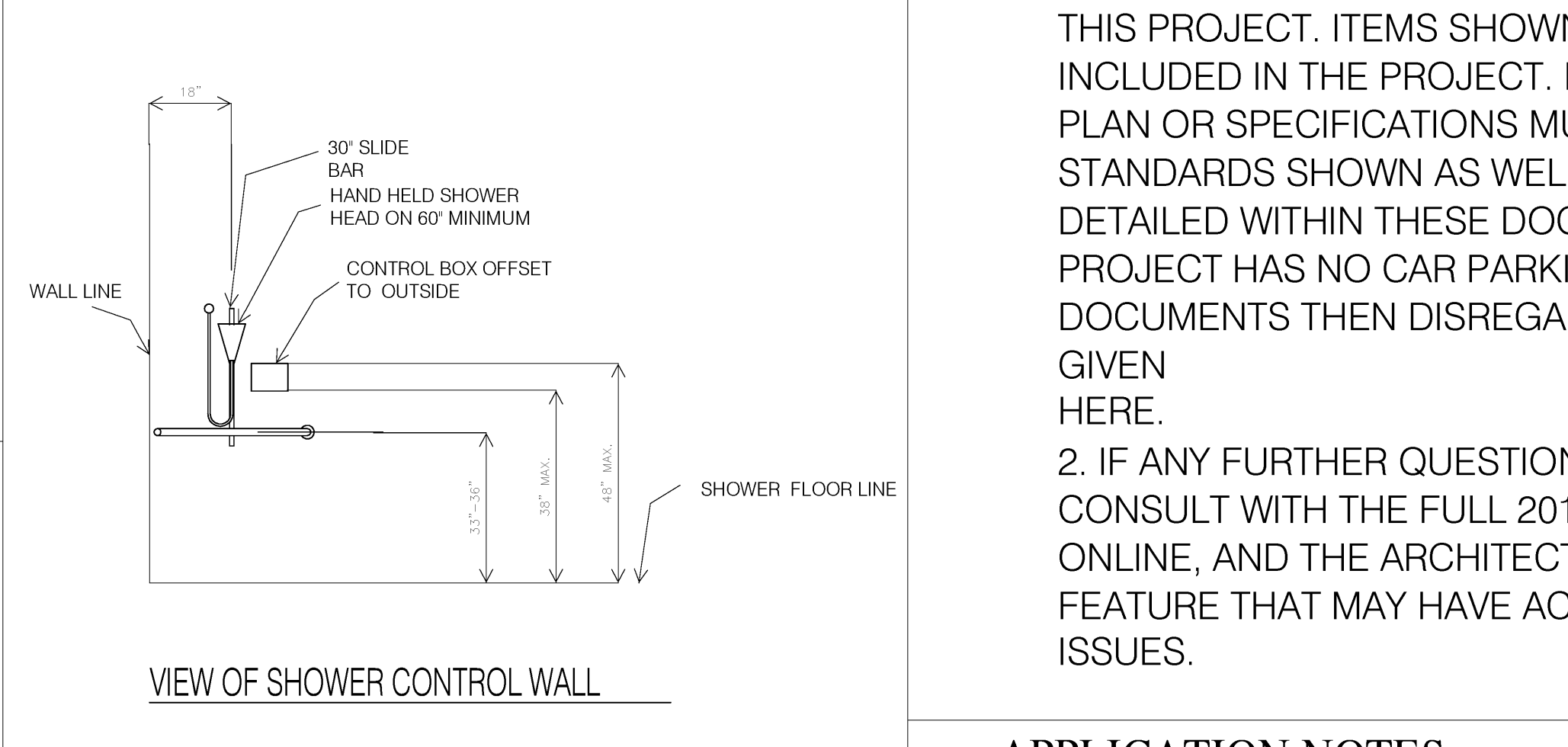
WATER FOUNTAIN 14



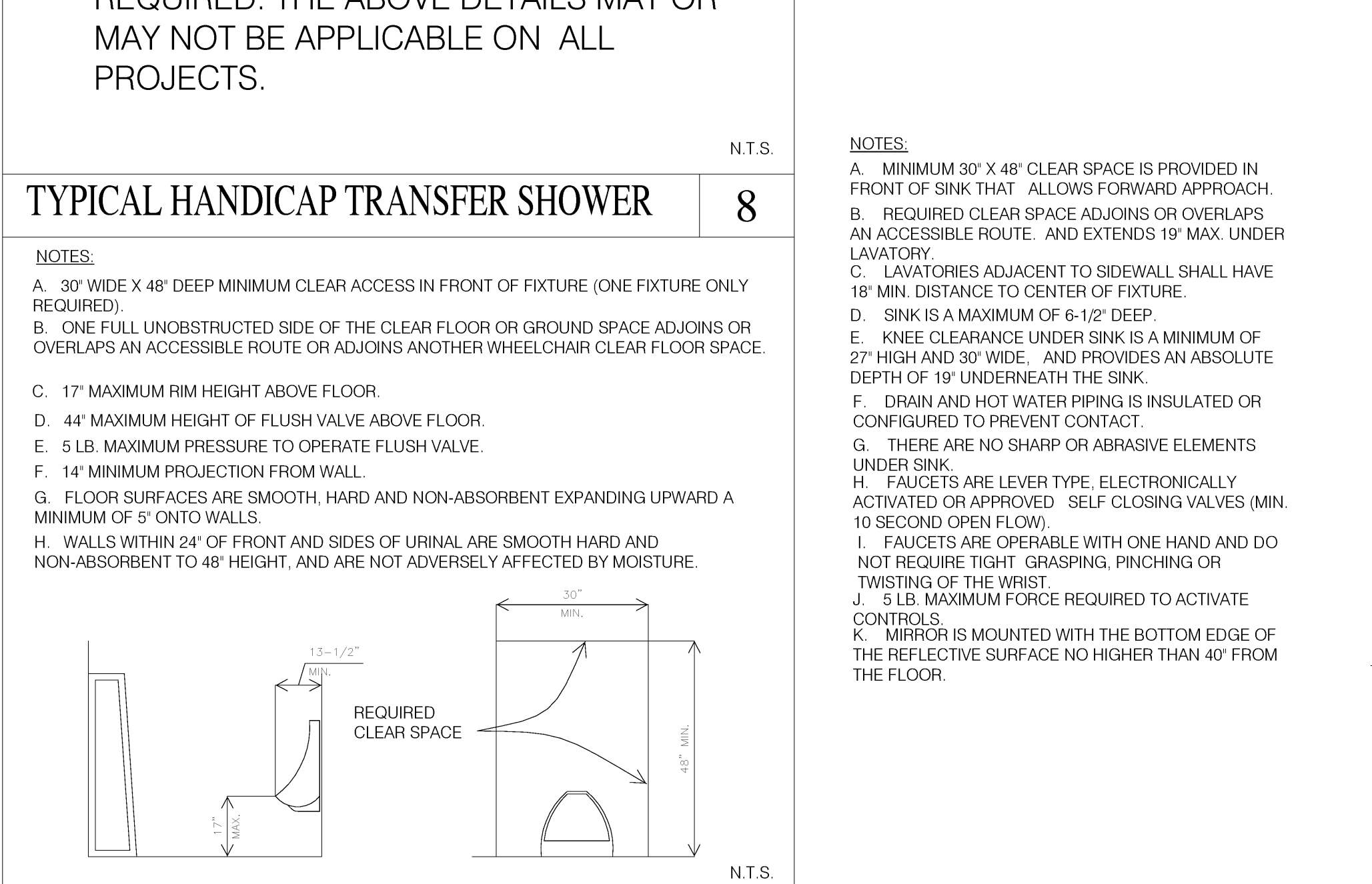
TYPICAL WHEELCHAIR RAMP 4



TYPICAL HANDICAP TRANSFER SHOWER 8



TYPICAL HANDICAP TRANSFER SHOWER 8



URINALS 9

NOTES: 2010 ADA (AMERICAN DISABILITIES ACT)

(1) THIS STRUCTURE IS DESIGNED TO COMPLY WITH THE AMERICAN DISABILITIES ACT 2010 AND MEETS ALL OF THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT 2010 TO THE BEST OF THE ARCHITECTS KNOWLEDGE.

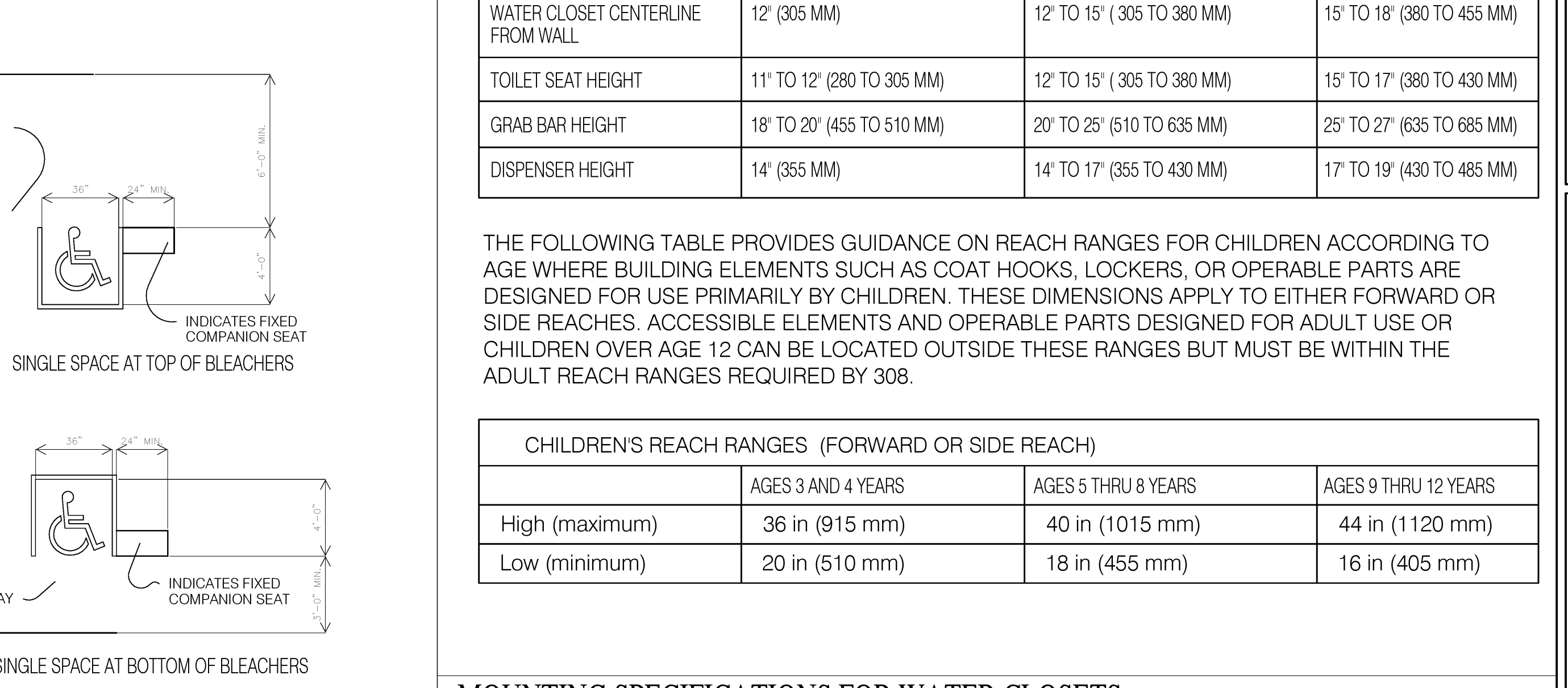
(2) THE CONTRACTORS AND SUBCONTRACTORS WILL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE AMERICAN DISABILITIES ACT 2010 AND COMPLYING WITH THE REQUIREMENTS OF THIS ACT. A COPY OF THE AMERICAN DISABILITIES ACT 2010 CAN BE OBTAINED FROM THE "SOUTHWEST DISABILITY AND BUSINESS TECHNICAL ASSISTANCE CENTER FOR REGION VI, 2323 S. SHEPHERD SUITE 1000, HOUSTON, TEXAS 77019. PHONE: 1-800-949-4232, OR ONLINE.

(3) THE CONTRACTORS AND/OR SUBCONTRACTORS SHOULD BRING ANY DISCREPANCIES IN THE PLANS AND SPECIFICATIONS AND THE AMERICAN DISABILITIES ACT TO THE ATTENTION OF THE ARCHITECT BEFORE THE BIDDING PROCESS FOR CLARIFICATION.

(4) THE ACCESSIBLE DRAWING INFORMATION PROVIDED ON THESE SHEETS ARE TO BE USED FOR REFERENCE ONLY. ALL DIMENSIONS AND INFORMATION SHOULD BE VERIFIED WITH THE 2010 ADA GUIDELINES BEFORE INSTALLATION OF ANY FIXTURE, GRAB BAR, MIRROR SWITCH, RECEPTACLE OR CONTROL THAT IS SHOWN OR NOT SHOWN ON THESE DRAWINGS.

(5) ALL DOOR HARDWARE TO COMPLY WITH THE 2010 AMERICAN DISABILITIES ACT REQUIREMENTS.

TYPICAL WHEEL CHAIR SEATING SPACES 5



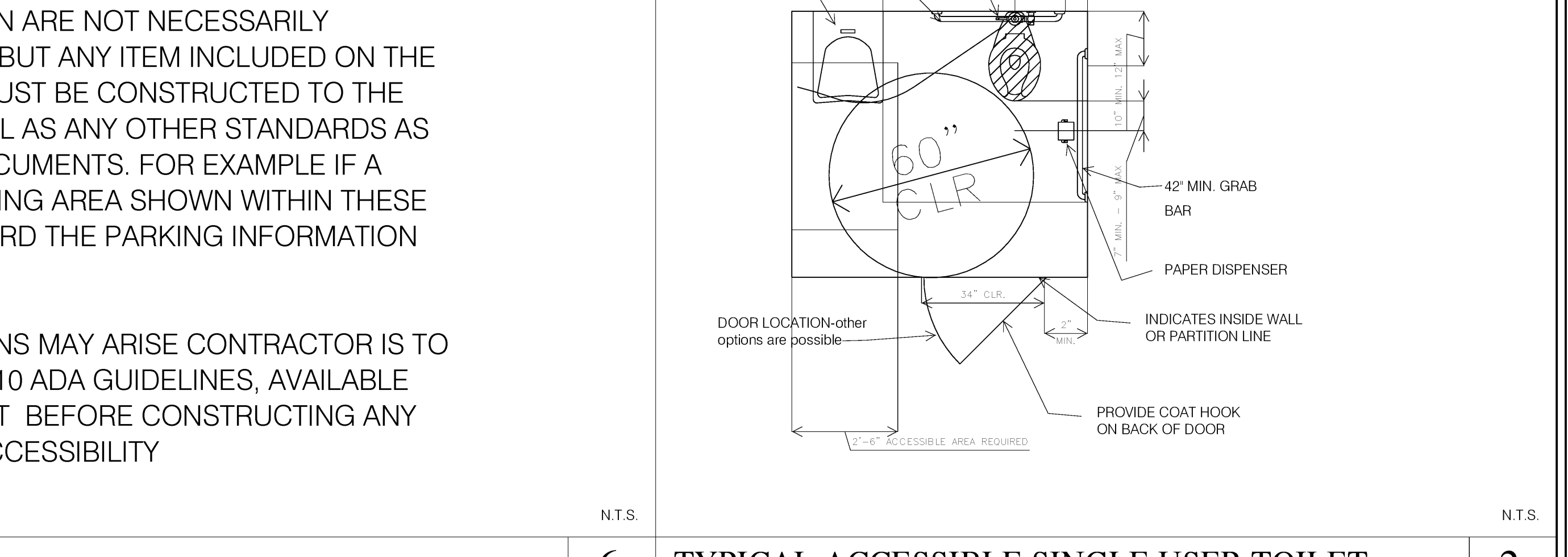
TYPICAL WHEEL CHAIR SEATING SPACES 5

IMPORTANT NOTES:

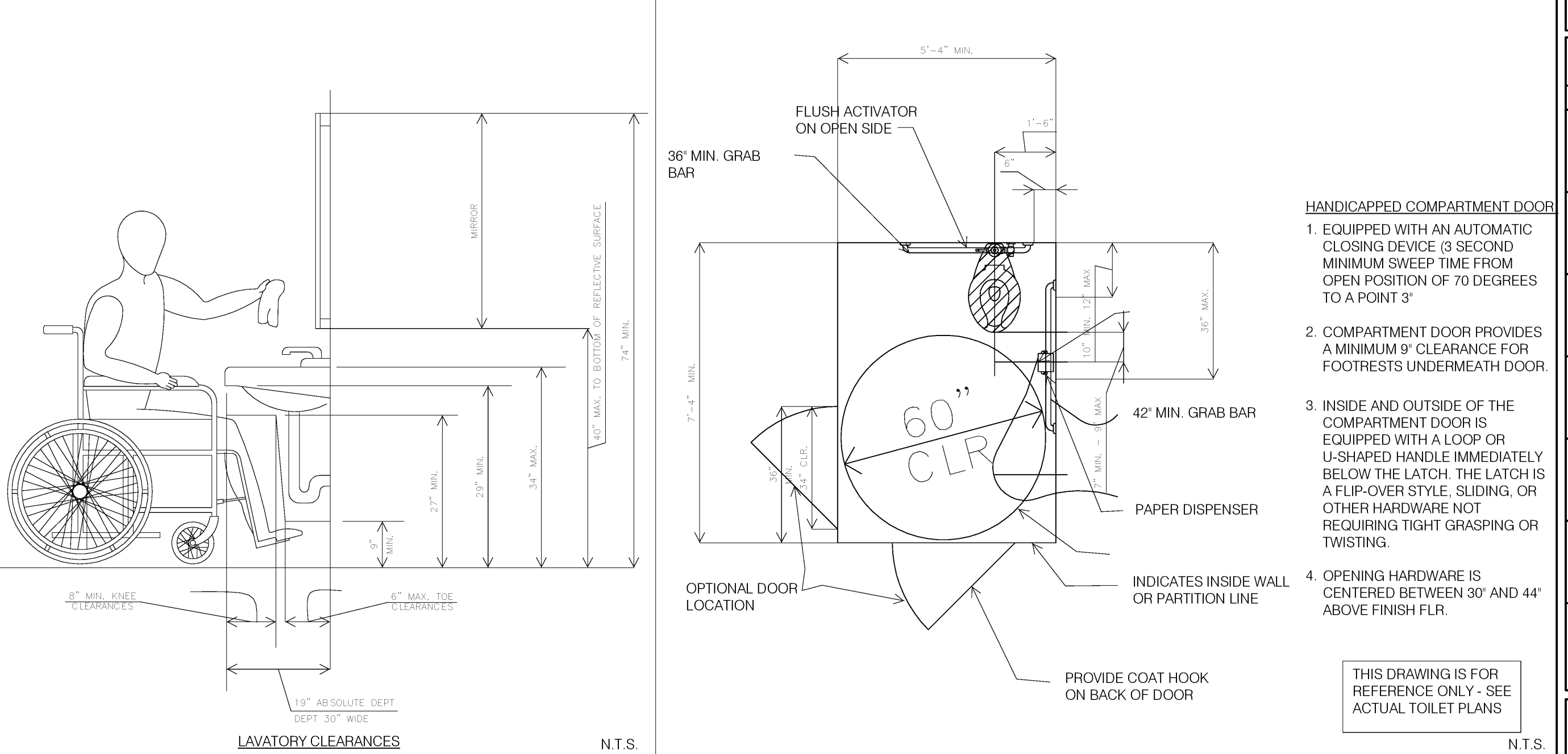
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2. IF ANY FURTHER QUESTIONS MAY ARISE CONTRACTOR IS TO CONSULT WITH THE FULL 2010 ADA GUIDELINES, AVAILABLE ONLINE, AND THE ARCHITECT BEFORE CONSTRUCTING ANY FEATURE THAT MAY HAVE ACCESSIBILITY ISSUES.

APPLICATION NOTES 6



SINKS (LAVATORY) 7



ACCESSIBLE STALL 3

MOUNTING SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THRU 12

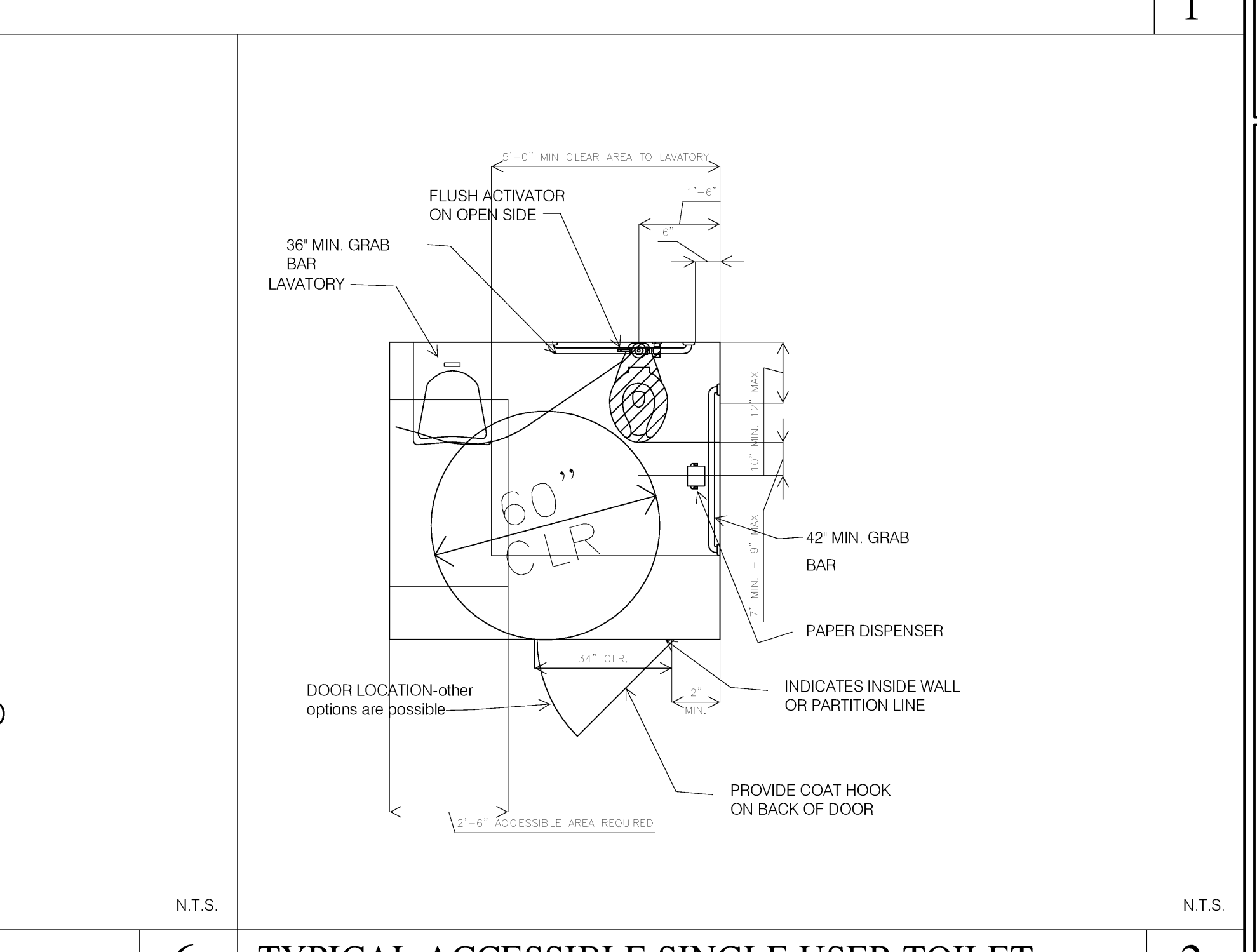
	AGES 3 AND 4 YEARS	AGES 5 THRU 8 YEARS	AGES 9 THRU 12 YEARS
WATER CLOSET CENTERLINE FROM WALL	12" (305 MM)	12" TO 15" (305 TO 380 MM)	15" TO 18" (380 TO 455 MM)
TOILET SEAT HEIGHT	11" TO 12" (280 TO 305 MM)	12" TO 15" (305 TO 380 MM)	15" TO 17" (380 TO 430 MM)
GRAB BAR HEIGHT	18" TO 20" (455 TO 510 MM)	20" TO 25" (510 TO 635 MM)	25" TO 27" (635 TO 685 MM)
DISPENSER HEIGHT	14" (355 MM)	14" TO 17" (355 TO 430 MM)	17" TO 19" (430 TO 485 MM)

THE FOLLOWING TABLE PROVIDES GUIDANCE ON REACH RANGES FOR CHILDREN ACCORDING TO AGE WHERE BUILDING ELEMENTS SUCH AS COAT HOOKS, LOCKERS, OR OPERABLE PARTS ARE DESIGNED FOR USE PRIMARILY BY CHILDREN. THESE DIMENSIONS APPLY TO EITHER FORWARD OR SIDE REACHES. ACCESSIBLE ELEMENTS AND OPERABLE PARTS DESIGNED FOR ADULT USE OR CHILDREN OVER AGE 12 CAN BE LOCATED OUTSIDE THESE RANGES BUT MUST BE WITHIN THE ADULT REACH RANGES REQUIRED BY 308.

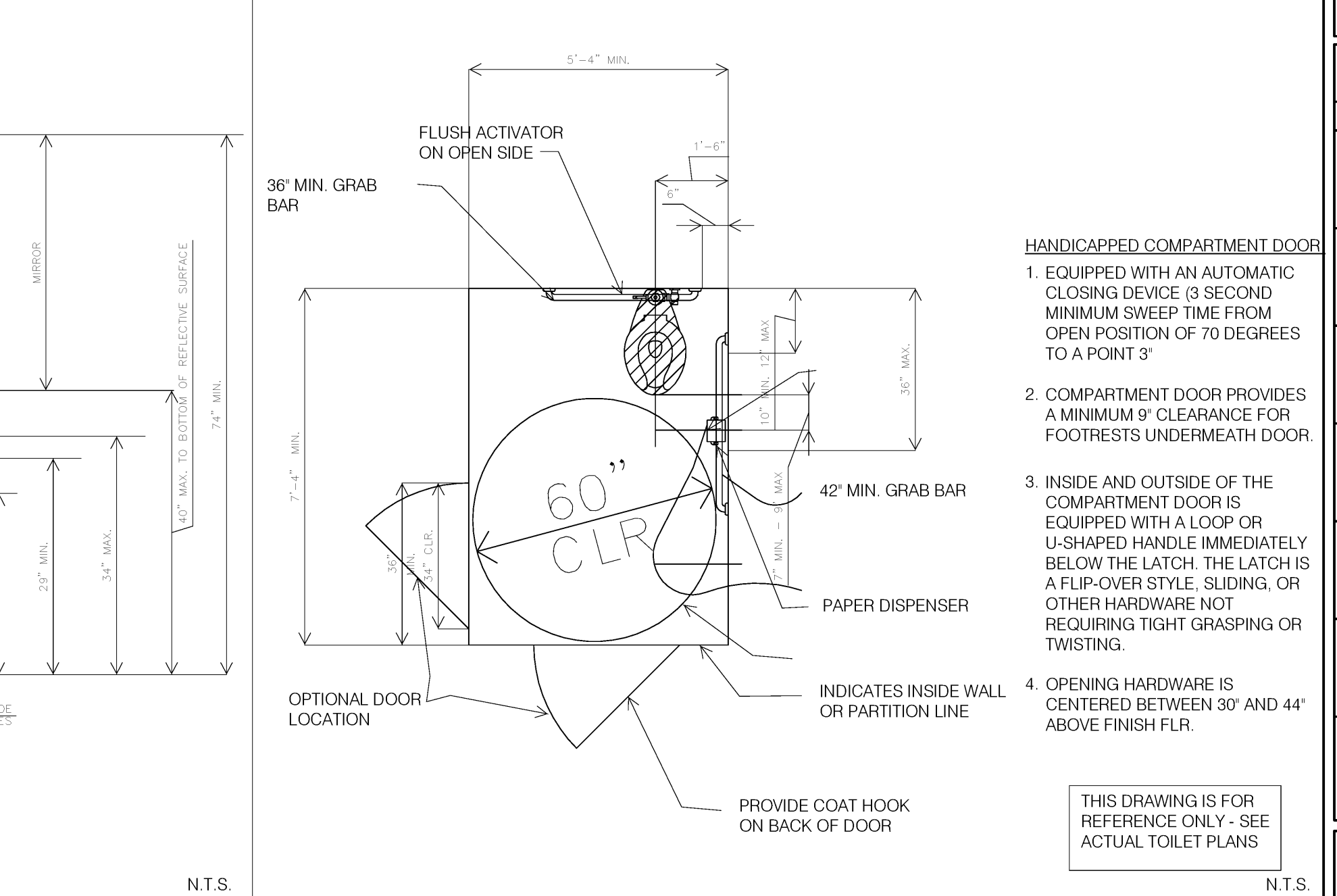
CHILDREN'S REACH RANGES (FORWARD OR SIDE REACH)

	AGES 3 AND 4 YEARS	AGES 5 THRU 8 YEARS	AGES 9 THRU 12 YEARS
High (maximum)	36 in (915 mm)	40 in (1015 mm)	44 in (1120 mm)
Low (minimum)	20 in (510 mm)	18 in (455 mm)	16 in (405 mm)

MOUNTING SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THRU 12 1



TYPICAL ACCESSIBLE SINGLE USER TOILET 2



ACCESSIBLE STALL 3

ANDREW HICKS ARCHITECT

ARCHITECT OF RECORD
ANDREW H. HICKS

A NEW K-4 CLASSROOM BUILDING

FOR
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ISSUE DATE: 3-10-2017

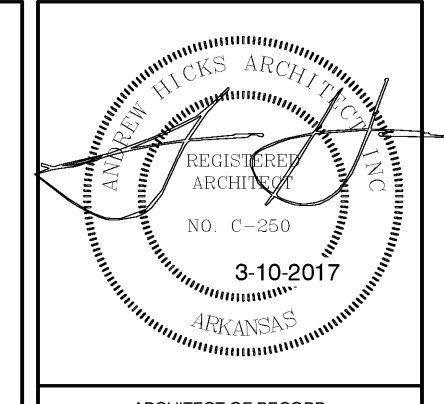
REVISIONS

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ADA GUIDELINES & DETAILS

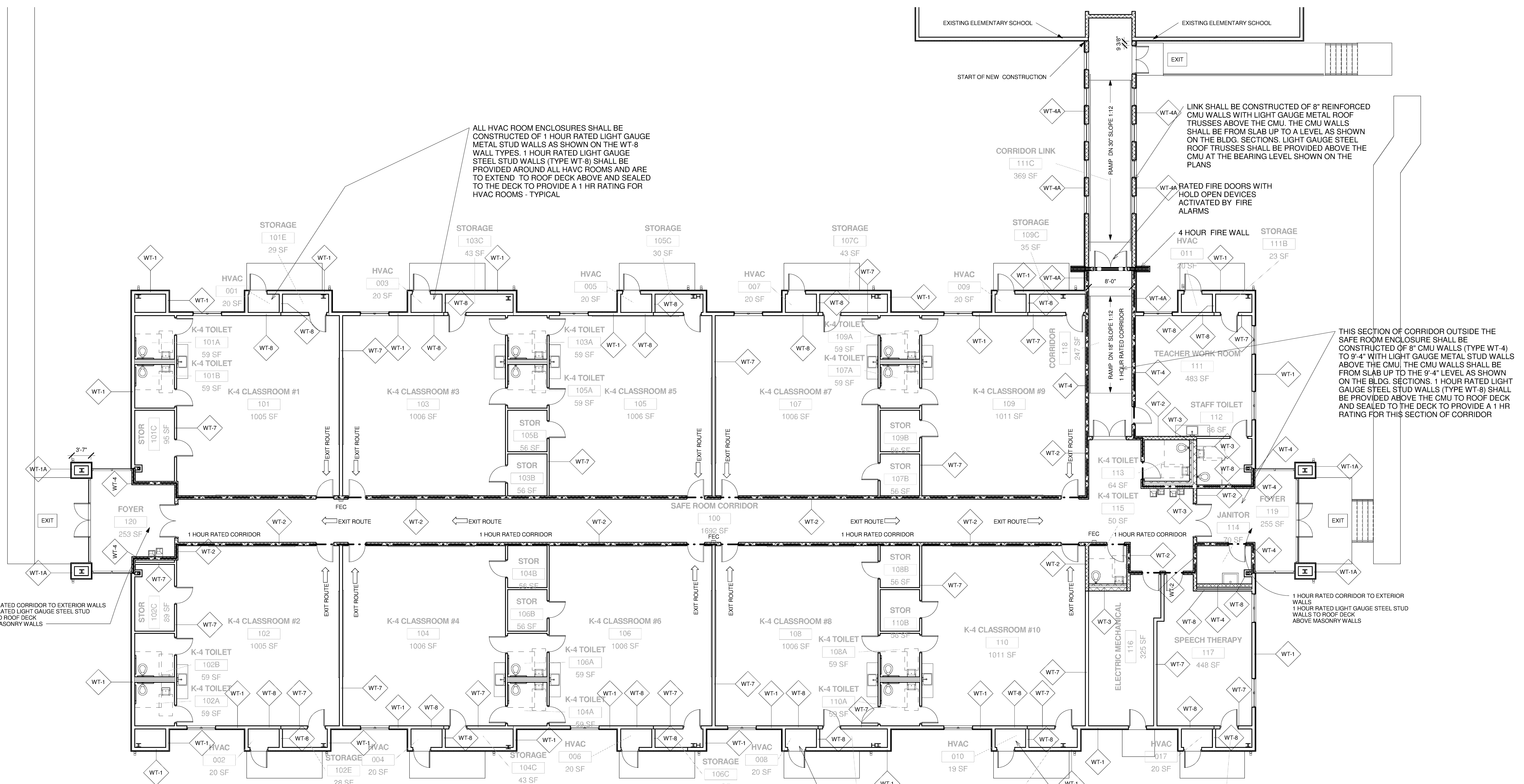
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THIS DRAWING IS FOR REFERENCE ONLY - SEE ACTUAL TOILET PLANS



ARCHITECT OF RECORD
ANDREW HICKS
A NEW K-4 CLASSROOM BUILDING
FOR
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Little Rock, Arkansas 72205



ALL HVAC ROOM ENCLOSURES SHALL BE CONSTRUCTED OF 1 HOUR RATED LIGHT GAUGE METAL STUD WALLS AS SHOWN ON THE WT-8 WALL TYPES. 1 HOUR RATED LIGHT GAUGE STEEL STUD WALLS (TYPE WT-8) SHALL BE PROVIDED AROUND ALL HVAC ROOMS AND ARE TO EXTEND TO ROOF DECK ABOVE AND SEALED TO THE DECK TO PROVIDE A 1 HR RATING FOR HVAC ROOMS - TYPICAL

LINK SHALL BE CONSTRUCTED OF 8" REINFORCED CMU WALLS WITH LIGHT GAUGE METAL ROOF TRUSSES ABOVE THE CMU. THE CMU WALLS SHALL BE FROM SLAB UP TO A LEVEL AS SHOWN ON THE BLDG. SECTIONS. LIGHT GAUGE STEEL ROOF TRUSSES SHALL BE PROVIDED ABOVE THE CMU AT THE BEARING LEVEL SHOWN ON THE PLANS

THIS SECTION OF CORRIDOR OUTSIDE THE SAFE ROOM ENCLOSURE SHALL BE CONSTRUCTED OF 8" CMU WALLS (TYPE WT-4) TO 9'-4" WITH LIGHT GAUGE METAL STUD WALLS ABOVE THE CMU. THE CMU WALLS SHALL BE FROM SLAB UP TO THE 9'-4" LEVEL AS SHOWN ON THE BLDG. SECTIONS. 1 HOUR RATED LIGHT GAUGE STEEL STUD WALLS (TYPE WT-8) SHALL BE PROVIDED ABOVE THE CMU TO ROOF DECK AND SEALED TO THE DECK TO PROVIDE A 1 HR RATING FOR THIS SECTION OF CORRIDOR

1 HOUR RATED CORRIDOR TO EXTERIOR WALLS
1 HOUR RATED LIGHT GAUGE STEEL STUD WALLS TO ROOF DECK ABOVE MASONRY WALLS

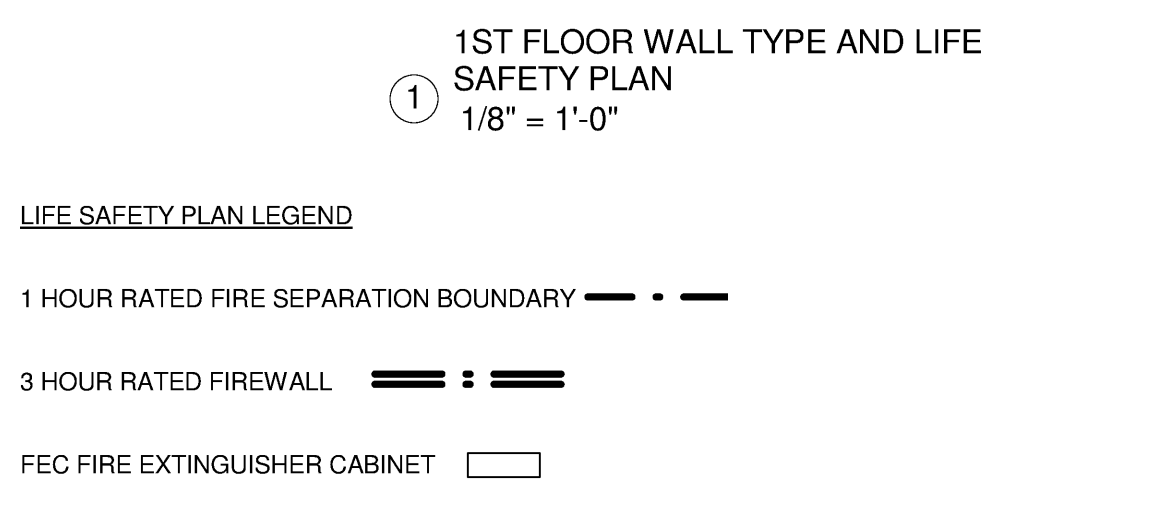
1 HOUR RATED CORRIDOR TO EXTERIOR WALLS
1 HOUR RATED LIGHT GAUGE STEEL STUD WALLS TO ROOF DECK ABOVE MASONRY WALLS

NO.	NAME	FINISH KEY	CEILING HEIGHT	COMMENTS
118	CORRIDOR	A	8'-8"	
111C	CORRIDOR LINK	A	VARIES	
116	ELECTRIC MECHANICAL	A	TO STRUCT	
120	FOYER	A	10	
119	FOYER	A	10	
009	HVAC	D	TO STRUCT	
005	HVAC	D	TO STRUCT	
003	HVAC	D	TO STRUCT	
001	HVAC	D	TO STRUCT	
011	HVAC	D	TO STRUCT	
017	HVAC	D	TO STRUCT	
008	HVAC	D	TO STRUCT	
006	HVAC	D	TO STRUCT	
004	HVAC	D	TO STRUCT	
002	HVAC	D	TO STRUCT	
010	HVAC	D	TO STRUCT	
007	HVAC	D	TO STRUCT	
114	JANITOR	D	8'-8"	
101	K-4 CLASSROOM #1	A	8'-8"	
102	K-4 CLASSROOM #2	A	8'-8"	
103	K-4 CLASSROOM #3	A	8'-8"	
104	K-4 CLASSROOM #4	A	8'-8"	
105	K-4 CLASSROOM #5	A	8'-8"	
106	K-4 CLASSROOM #6	A	8'-8"	
107	K-4 CLASSROOM #7	A	8'-8"	
108	K-4 CLASSROOM #8	A	8'-8"	
109	K-4 CLASSROOM #9	A	8'-8"	
110	K-4 CLASSROOM #10	A	8'-8"	
108A	K-4 TOILET	C	8'-8"	
109A	K-4 TOILET	C	8'-8"	
107A	K-4 TOILET	C	8'-8"	
105A	K-4 TOILET	C	8'-8"	
103A	K-4 TOILET	C	8'-8"	
104B	K-4 TOILET	C	8'-8"	
102B	K-4 TOILET	C	8'-8"	
101A	K-4 TOILET	C	8'-8"	

NO.	NAME	FINISH KEY	CEILING HEIGHT	COMMENTS
102A	K-4 TOILET	C	8'-8"	
102B	K-4 TOILET	C	8'-8"	
115	K-4 TOILET	C	8'-8"	
113	K-4 TOILET	C	8'-8"	
101B	K-4 TOILET	C	8'-8"	
106A	K-4 TOILET	C	8'-8"	
104A	K-4 TOILET	C	8'-8"	
108A	K-4 TOILET	C	8'-8"	
110A	K-4 TOILET	C	8'-8"	
100	SAFE ROOM CORRIDOR	A	8'-8"	
117	SPEECH THERAPY	A	8'-8"	
112	STAFF TOILET	C	8'-8"	
103B	STOR	A	8'-8"	
105B	STOR	A	8'-8"	
102C	STOR	A	8'-8"	
101C	STOR	A	8'-8"	
106B	STOR	A	8'-8"	
109B	STOR	A	8'-8"	
107B	STOR	A	8'-8"	
104B	STOR	A	8'-8"	
108B	STOR	A	8'-8"	
110B	STOR	A	8'-8"	
108B	STOR	A	8'-8"	
102C	STOR	A	8'-8"	
101E	STORAGE	A	8'-8"	
103C	STORAGE	A	8'-8"	
105C	STORAGE	A	8'-8"	
107C	STORAGE	A	8'-8"	
109C	STORAGE	A	8'-8"	
117A	STORAGE	A	8'-8"	
110C	STORAGE	A	8'-8"	
108C	STORAGE	A	8'-8"	
104C	STORAGE	A	8'-8"	
102E	STORAGE	A	8'-8"	
106C	STORAGE	A	8'-8"	
111B	STORAGE	A	8'-8"	
111	TEACHER WORK ROOM	A	8'-8"	

FINISH LEGEND

- A FLOOR:** 12" SQUARE VCT-COLOR TO BE SELECTED BY OWNER.
BASE: 4" RUBBER BASE 1/8" THICK. CUT BASE FLUSH WITH THE WALL AT DOORS AND PAINT THE BLOCK RETURN TO MATCH THE BASE AT DOOR FRAME.
WALLS: CMU BLOCK WITH BLOCK FILLER and/or TAPED AND FLOATED 5/8" GYP. BD. AND 2 COATS LATEX ENAMEL PAINT ON ALL TO ABOVE CEILING. PROVIDE ALUMINUM REVEAL TRANSITION STRIPS AT INTERSECTION OF GYP BD WALLS AND CMU WALLS.
CEILING: 2'-0" X 2'-0" SUSPENDED ACOUSTICAL TILE SET IN 2'-0" X 2'-0" WHITE GRID. (ALL ROOMS TO HAVE FLAT CEILINGS-SEE BUILDING SECTIONS)
- B NOT USED**
- C FLOOR:** POURED EPOXY FLOOR - COLOR TO BE SELECTED BY OWNER)
BASE: 6" EPOXY BASE (SEE SPECIFICATIONS FOR FLOOR AND BASE).
WALLS: PAINTED 5/8" WATER RESISTANT GYP. BD. and/or BLOCK FILLER PAINT WITH EPOXY A 5'-4" WAINSCOT AND LATEX ENAMEL PAINT ABOVE WAINSCOTT TO ABOVE CEILING. PROVIDE ALUMINUM REVEAL TRANSITION STRIP AT INTERSECTION OF GYP BD WALLS AND CMU WALLS.
CEILING: 2'-0" X 2'-0" SUSPENDED ACOUSTICAL TILE SET IN 2'-0" X 2'-0" WHITE GRID. (ALL ROOMS TO HAVE FLAT CEILINGS-SEE BUILDING SECTIONS)
- D FLOOR:** CONCRETE, SMOOTH FINISH
BASE: NO BASE
WALLS: EXT. 5/8" GYP. TAPED AND FLOATED NO FINISH. 2 COATS LATEX ENAMEL PAINT.
CEILING: NO CEILING



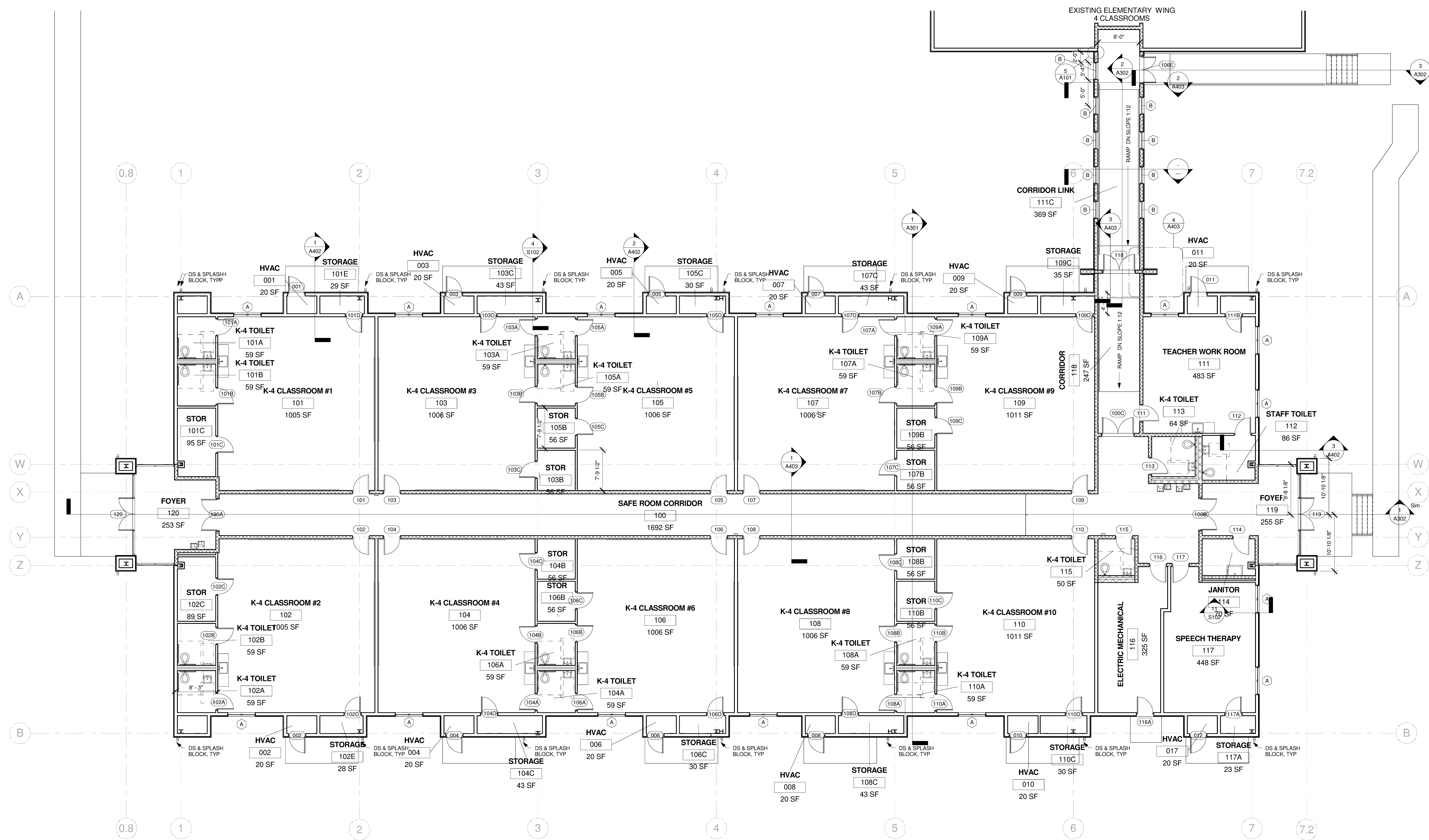
NOTE: ALL CORRIDOR WALLS ARE TO BE 1 HOUR FIRE RATED WALLS. ARE TO BE CONSTRUCTED WITH 8" MASONRY WALLS. SEE FINISH SCHEDULE.

LIFE SAFETY PLAN LEGEND
1 HOUR RATED FIRE SEPARATION BOUNDARY
3 HOUR RATED FIRE WALL
FEC FIRE EXTINGUISHER CABINET

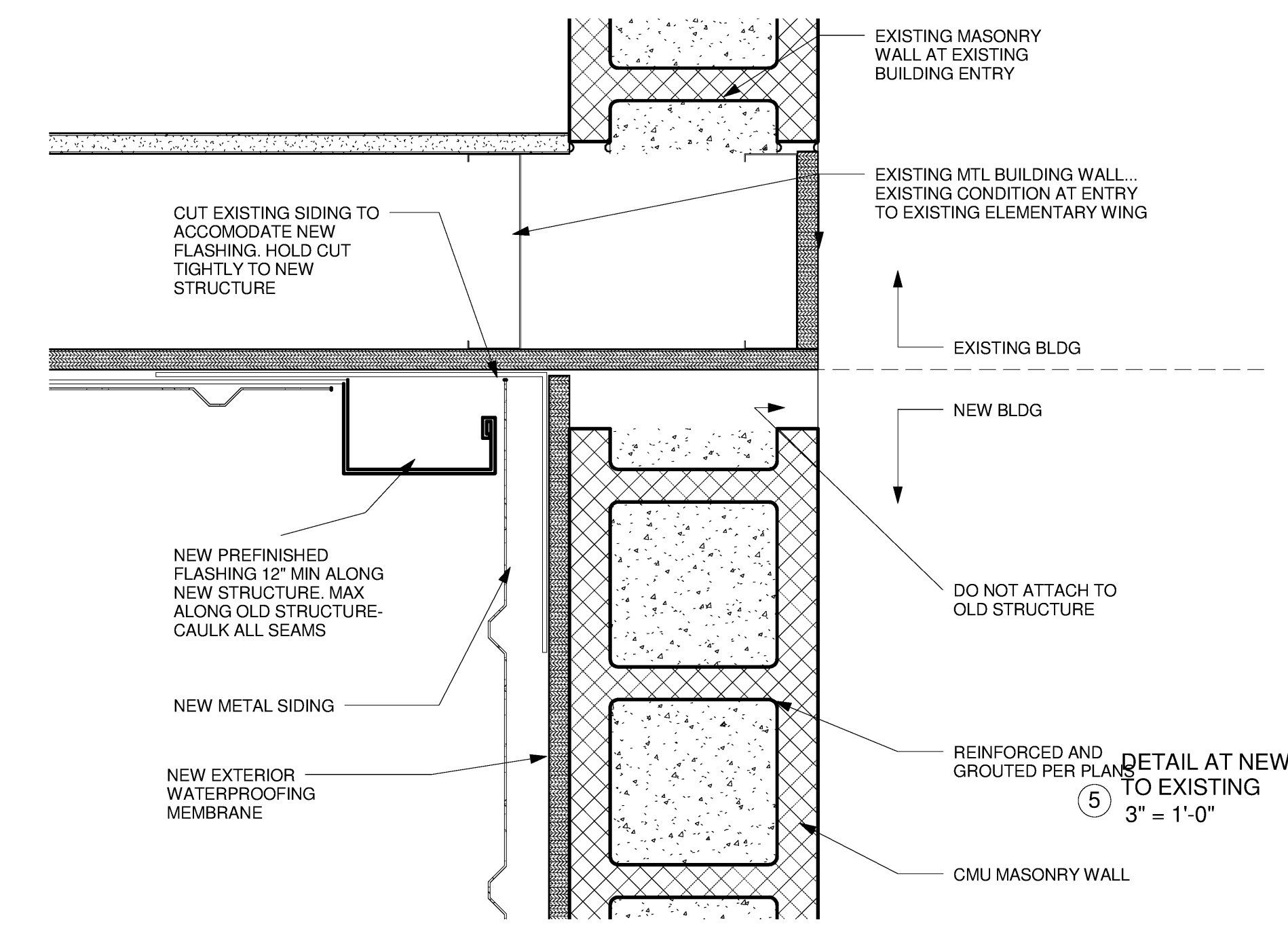
FINISH NOTES
1. CMU INTERIOR WALLS THAT ARE INDICATED TO BE PAINTED ON FINISH SCHEDULE ARE TO BE BLOCK FILLED AND PRIMED AND PAINTED (MIN. TWO COATS) WITH LATEX ENAMEL FINISH.
2. GYP BD. WALLS THAT ARE INDICATED TO BE PAINTED ON FINISH SCHEDULE ARE TO BE TAPED, FLOATED, PRIMED AND PAINTED (MIN. TWO COATS) WITH LATEX EGGSHELL FINISH.
3. SEE REFLECTED CEILING PLAN FOR CEILING GRID LAYOUT AND CEILING HEIGHTS IN EACH ROOM.
4. ALL COLORS WILL BE SELECTED BY THE OWNER UNLESS OTHERWISE NOTED ON PLANS OR SPECIFIED IN THE SPECIFICATIONS. ALL HEAT CLOSETS, UTILITY CLOSETS ETC., WILL RECEIVE THE SAME ROOM FINISH AS THE ROOM THEY ARE LOCATED IN UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR WILL PROVIDE CURRENT MATERIAL SAMPLES AND COLOR CHARTS TO THE OWNER FOR THEIR SELECTION. DO NOT PROVIDE OUTDATED SAMPLES AND OR COLOR CHARTS FOR SELECTIONS.

ISSUE DATE: 3-10-2017

NO.	DATE

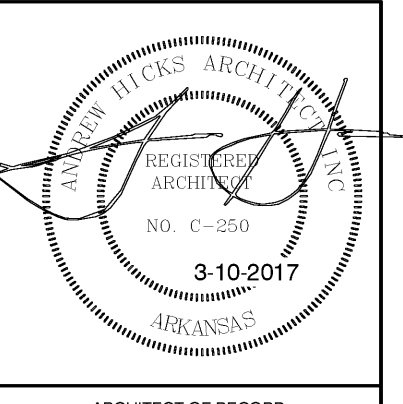


1 1ST FLOOR PLAN
1/8" = 1'-0"



FURNITURE NOTE:
 1. ALL COMPUTERS, COMPUTER DESK, TEACHER DESK, STUDENT DESK AND FURNISHINGS BY SCHOOL.
 2. ALL MILLWORK FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
 3. CONTRACTOR TO FURNISH AND INSTALL ALL "WHITE BOARD" AS SHOWN IN CLASSROOMS. WHITE BOARD TO BE 4' HIGH X 16' LONG AND TO MATCH THE "WHITEBOARD" CURRENTLY IN USE BY THE SCHOOL.

WALL CONSTRUCTION AND INSULATION NOTES
 1. ALL DIMENSIONS ARE FROM EDGE OF NOMINAL CMU BLOCK OR STRUCTURAL GRID CENTERLINE OR OUTSIDE OF STRUCTURAL STEEL, OR EDGE OF LIGHT GAUGE ROUGH FRAMING, UNLESS OTHERWISE INDICATED.
 2. CONTRACTOR TO ALLOW FOR ACTUAL BLOCK WIDTH OF 3/8" LESS THAN THE NOMINAL WIDTH.
INSULATION NOTES
 1. ALL EXTERIOR AND INTERIOR CMU BLOCK WALLS ARE TO BE INSULATED TO TOP OF WALL IN ALL CELLS THAT ARE NOT GROUTED FULL.
 2. NO INSULATION IS TO BE INSTALLED DIRECTLY ABOVE THE CEILING. ALL HORIZONTAL INSULATION ABOVE CEILING IS TO BE INSTALLED AT THE ROOF LEVEL AS A FABRIC AND LINER SYSTEM WITH UNFACED FIBERGLASS INSULATION INSTALLED IN A THICKNESS TO MATCH THE ROOF PURLINE DEPTH. (A SIMPLE SAVER SYSTEM OR EQUAL).
 3. INSULATE ALL WALLS ABOVE CEILING INCLUDING REST ROOM & OFFICE WALLS AND SMOKE PARTITIONS W/ FIBERGLASS BATT INSULATION (SOUND BATT) AS REQUIRED BY STUD THICKNESS.



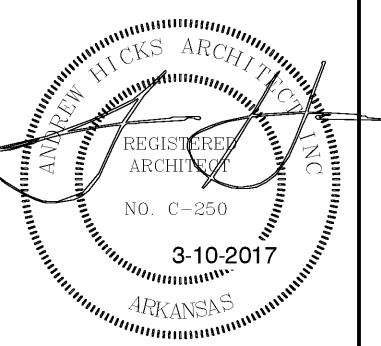
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 ANDREW H. HICKS
 A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

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FLOOR PLAN
A101



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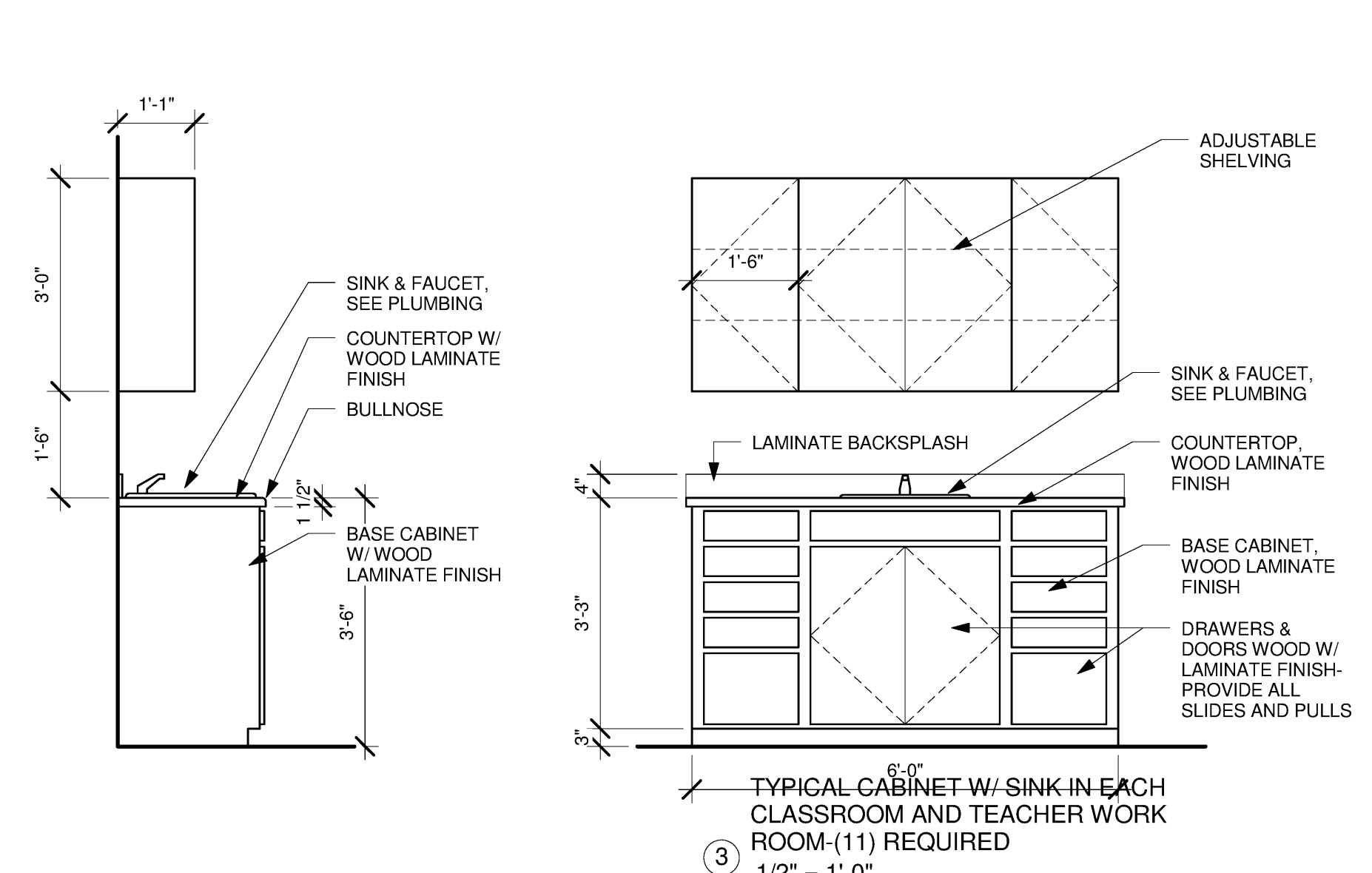
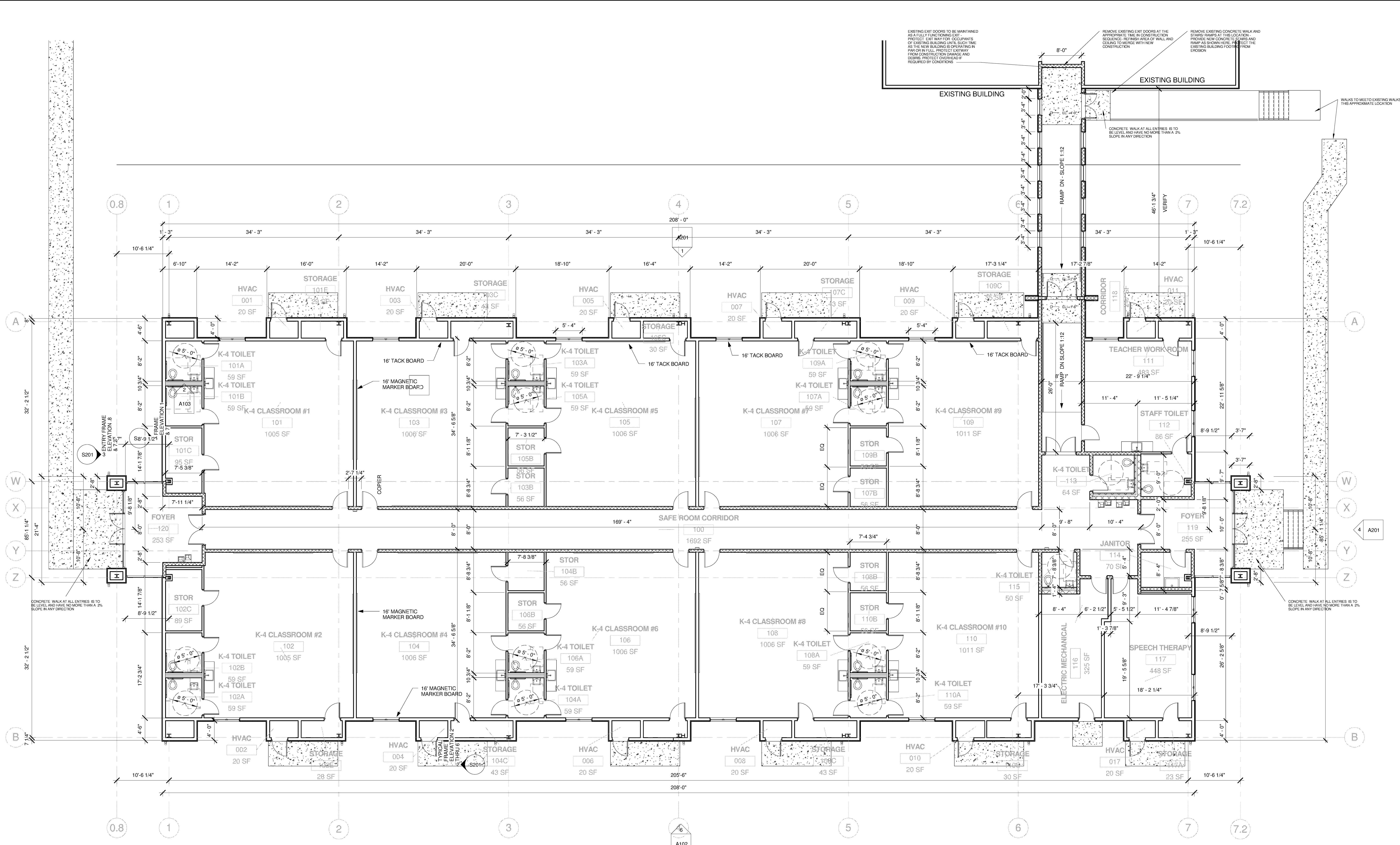
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DIMENSIONED FLOOR PLAN

A103

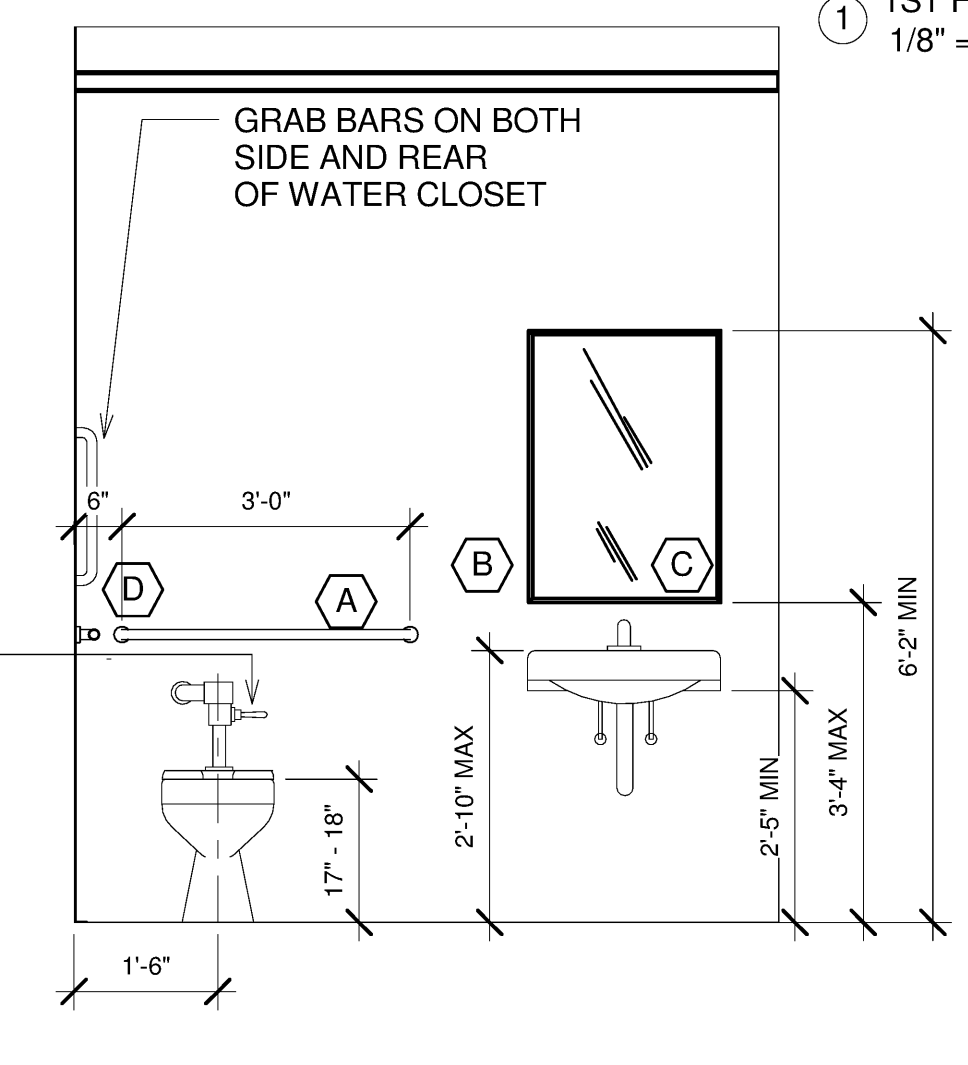


3 TYPICAL CABINET W/ SINK IN EACH CLASSROOM AND TEACHER WORK ROOM (11) REQUIRED
1/2" = 1'-0"

TYPICAL ACCESSORIES AT EACH RESTROOM

- GRAB BARS IN H.C. TOILETS
- COAT HOOKS ON TOILET DOORS
- T.P. DISPENSERS AT EACH W.C.
- NAPKIN RECEPTACLES AT LAV.
- RECESSED TOWEL DISPENSER
- SOAP DISPENSERS AT EACH LAV.

HANDICAPPED RATED FIXTURES REQUIRED AT HANDICAPPED RATED TOILET COMPARTMENTS



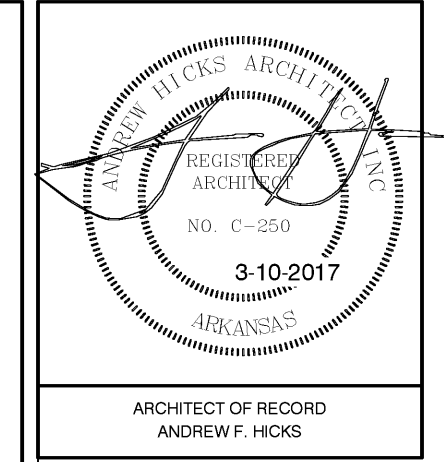
2 TYPICAL TOILET ELEVATION
1/2" = 1'-0"

1ST FLOOR DIMENSIONED PLAN
1/8" = 1'-0" FIXTURE KEY:

- A GRAB BAR - 250 LBF. MINIMUM, (33" MIN. - 36" MAX. HEIGHT) BOBRICK WASHROOM EQUIPMENT, INC. PROVIDE THE REQUIRED QUANTITY AND LENGTH AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE GOVERNING CODE. THE BAR SHALL 1 1/2" IN DIAMETER AND MOUNTED WITH 1 1/2" CLEARANCE FROM THE WALL.
- B WALL MOUNTED HAND SOAP DISPENSER (36" MAXIMUM HEIGHT) MODEL AS REQUESTED BY OWNER
- C MIRROR (BOTTOM OF REFLECTIVE SURFACE AT 40" MAXIMUM HEIGHT) PLATE GLASS MIRROR- WITH STAINLESS STEEL FRAME
- D TOILET PAPER DISPENSER ROLL TYPE, VERIFY TYPE WITH OWNER

PLUMBING NOTE

1. ALL WALL MOUNTED SINKS ARE TO BE INSTALLED WITH HEAVY DUTY "ZURN" TYPE WALL HANGERS, IN APPROPRIATE SIZES AS REQUIRED FOR EACH SINK. SEE PLUMBING SCHEDULE FOR SPECIFIC CARRIERS. HOWEVER, IF NO SPECIFIC WALL CARRIER IS GIVEN, CONTRACTOR IS TO INCLUDE A "ZURN" TYPE WALL CARRIER THAT WILL SUPPORT 300 POUNDS OF WEIGHT APPLIED TO THE FRONT EDGE OF EACH SINK



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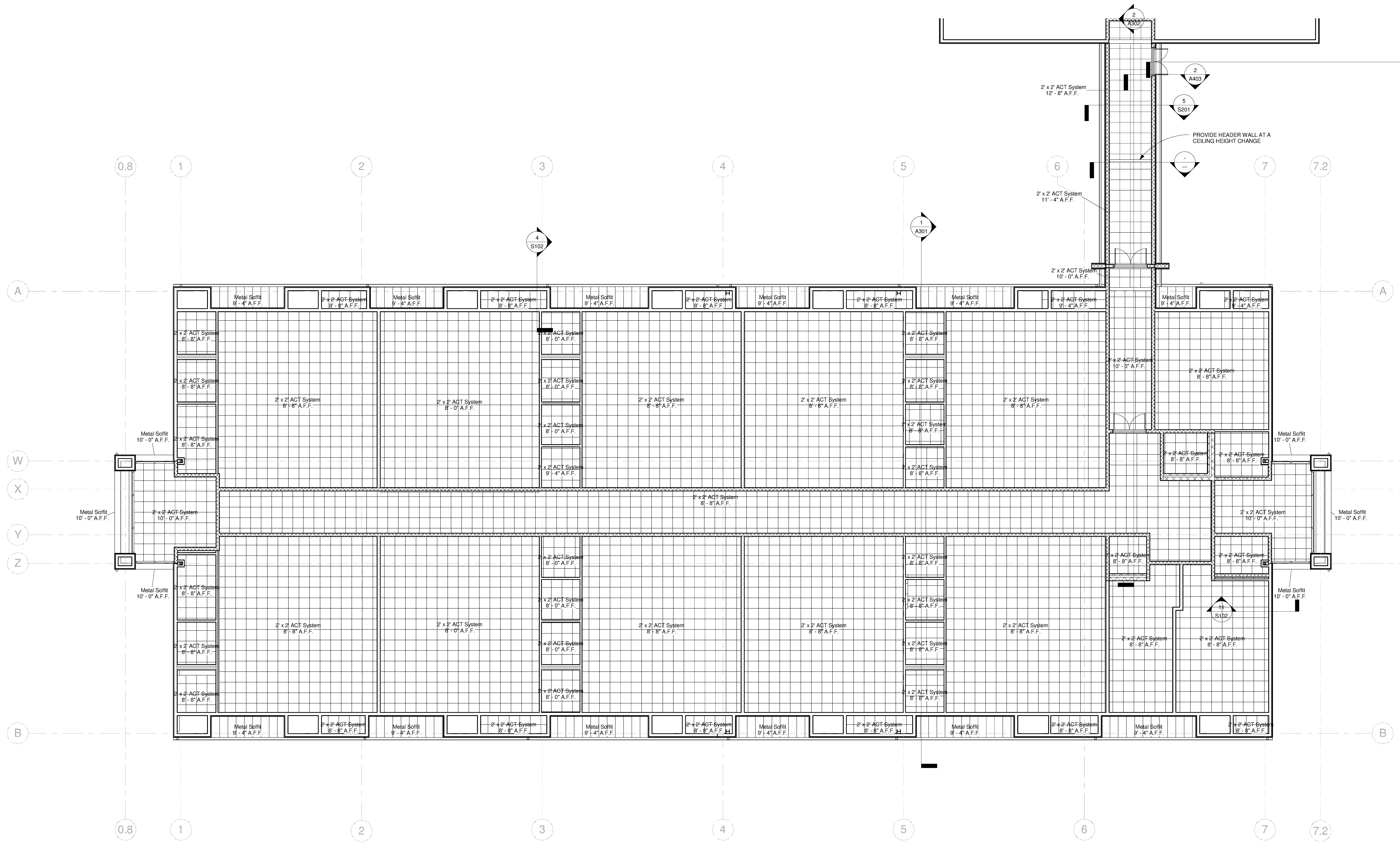
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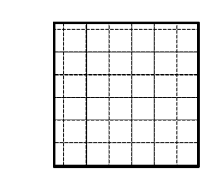
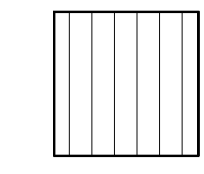
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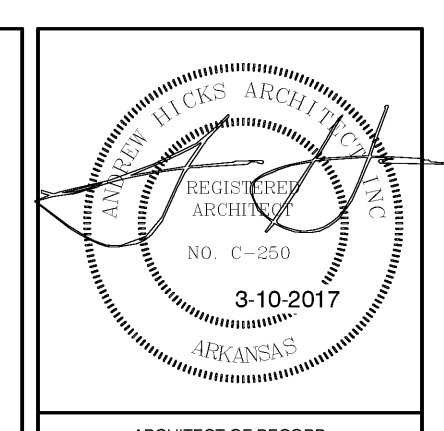


① 1ST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

CEILING LEGEND

-  WHITE 2x2 SUSPENDED CEILING GRID, WITH ACOUSTICAL CEILING TILES
-  SOFFIT PANELS TO MATCH METAL SIDING - PERFORATED VENTILATED, NO INSECT ACCESS AT EXTERIOR

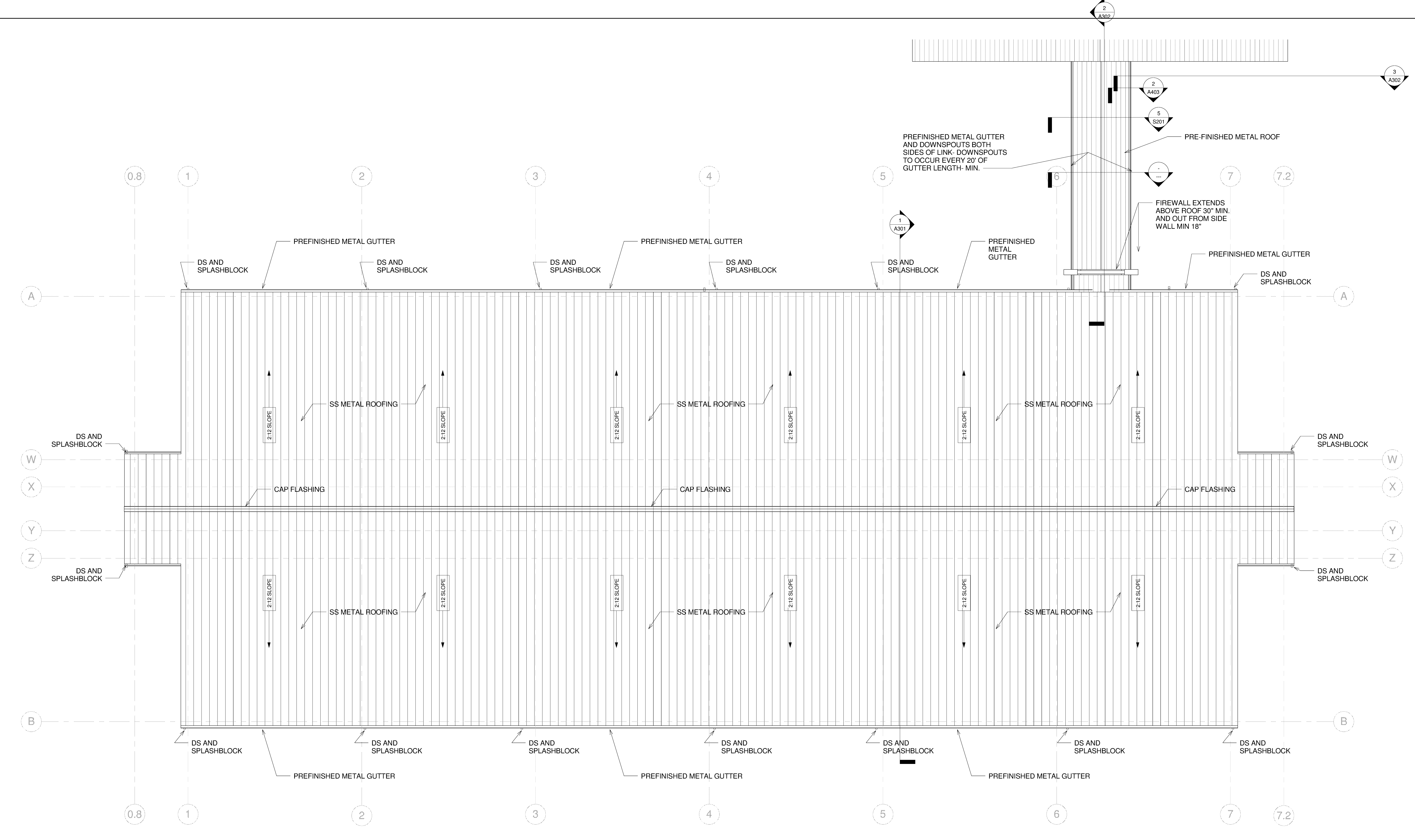
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1 ROOF PLAN
1/8" = 1'-0"

SEE MECHANICAL PLANS FOR ROOF PENETRATIONS-
INCLUDING VENT STACK, EXHAUST FANS ETC.

ROOF NOTES

- METAL ROOF--SHALL BE MBCI OR EQUAL ULTRA-DECK-124PANELS. MECHANICALLY SEAMED, PANELS MAY BE OTHER MANUFACTURER'S PRODUCT SUCH AS VARCO CROWN, BAYOU, STAR, VIC WEST, ETC. ROOF SHALL BE A COLOR AS SELECTED BY OWNER FROM THE MANUFACTURERS STANDARD COLORS.
- ROOF TO HAVE A 2/12 SLOPE
- METAL ROOF WARRANTY--THE CONTRACTOR AND METAL ROOF INSTALLER SHALL GIVE A 20-YEAR JOINT WRITTEN WATER TIGHT WARRANTY FOR MAINTENANCE AGAINST DEFECTS DUE TO MATERIAL AND WORKMANSHIP.
- ROOF TO HAVE GUTTERS AT BOTTOM OF ALL SLOPES.
- DOWNSPOUTS TO BE AS SHOWN ON PLANS OR A MINIMUM OF EVERY 24'

2 DETAIL AT THE LINK ROOF WHERE IT JOINS TO EXISTING BUILDING
3" = 1'-0"

NEW BUILDING EXISTING BUILDING

CUT SIDING TO ACCOMMODATE NEW FLASHING

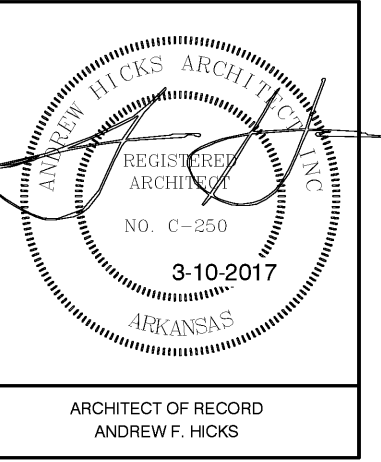
PREFINISHED FLASHING COUNTER FLASHING RUN MIN 12" UP FACE EXISTING BUILDING

SS METAL ROOFING ON PLYWOOD DECKING

TOP CHORD OF MTL. TRUSS

LEDGER FOLLOWS SLOPE OF NEW ROOF

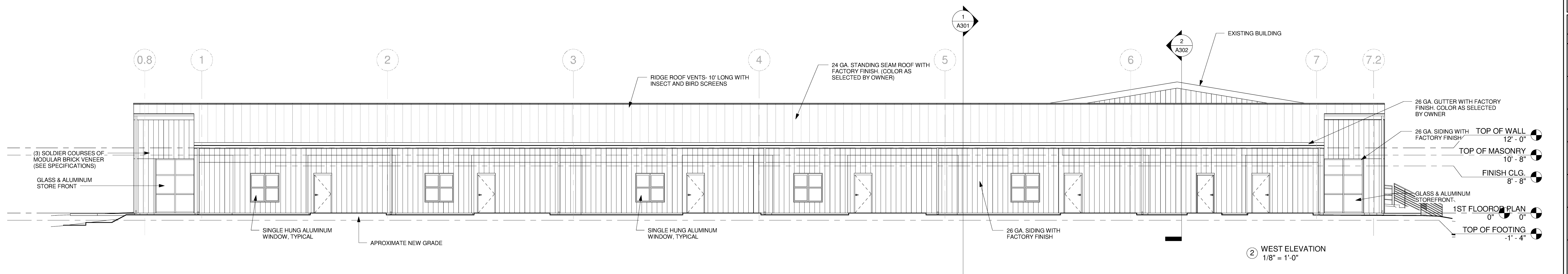
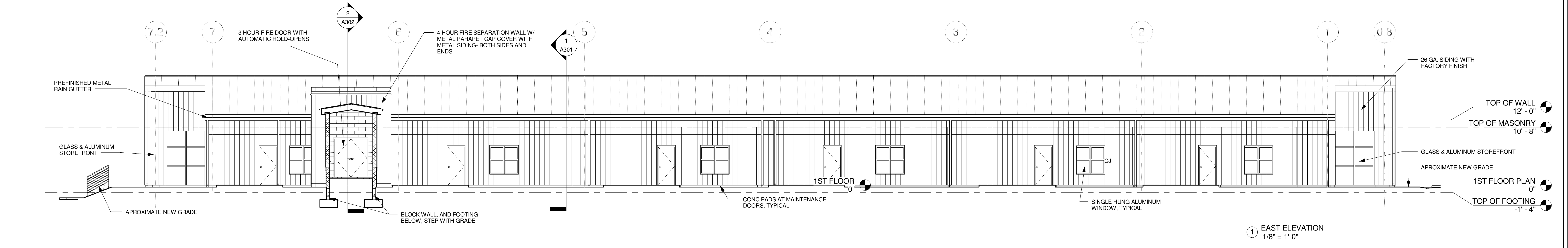
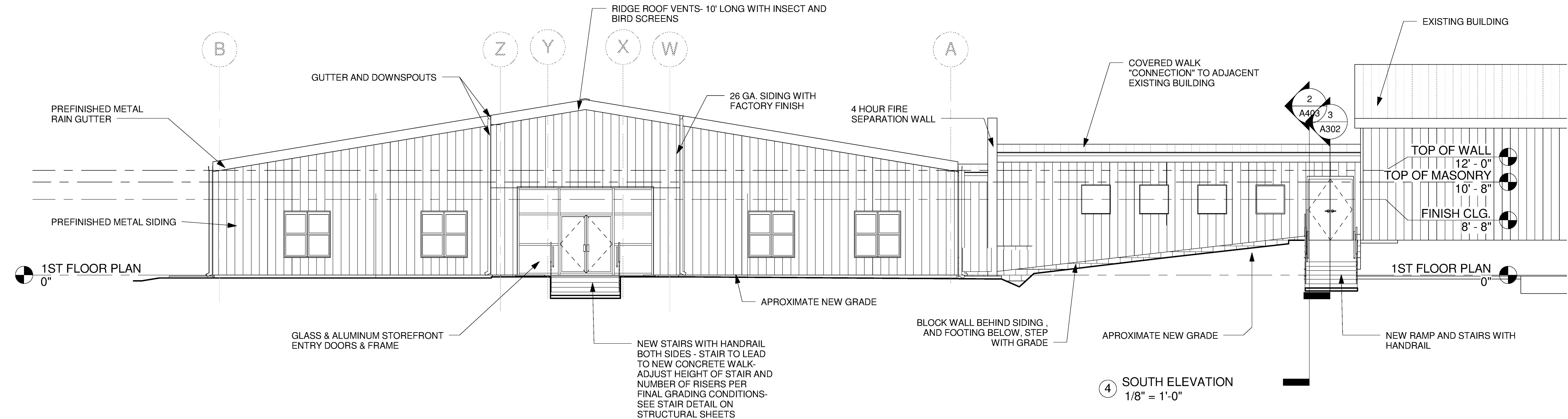
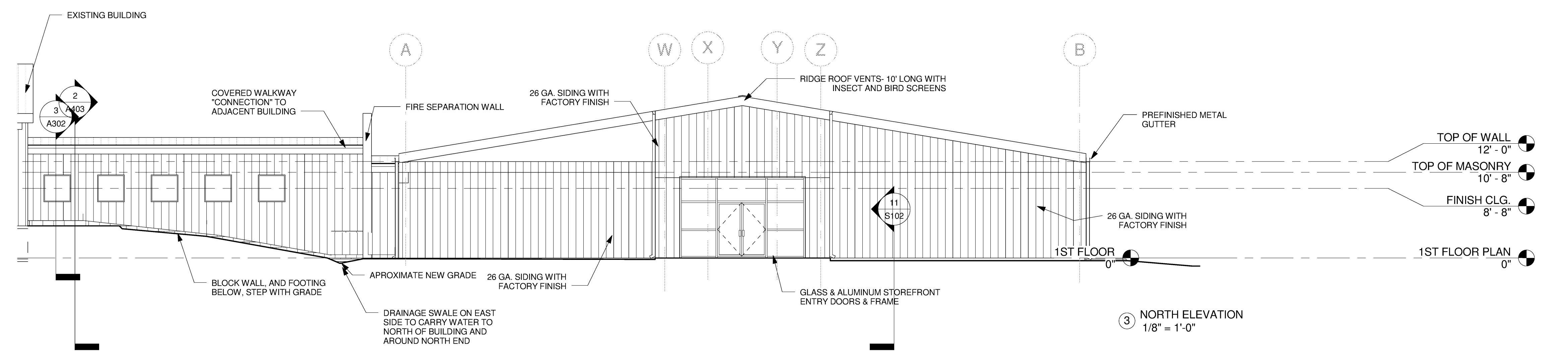
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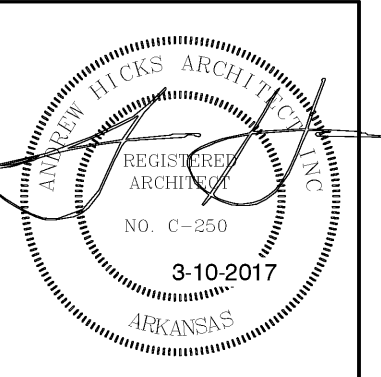


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EXTERIOR ELEVATIONS

A201

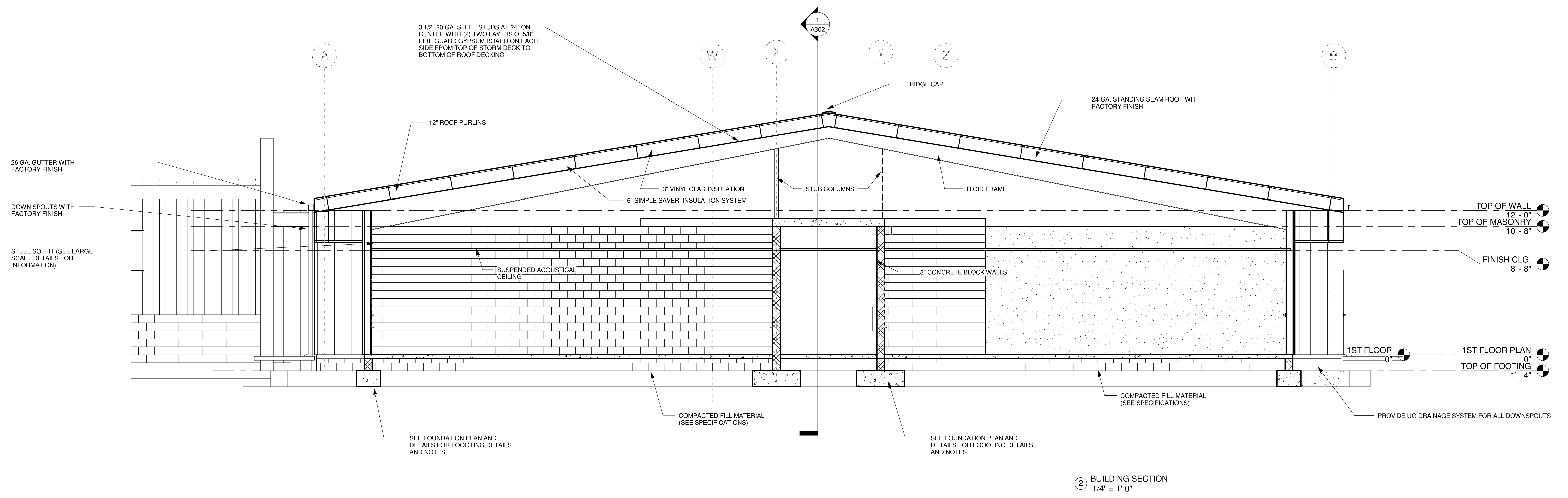


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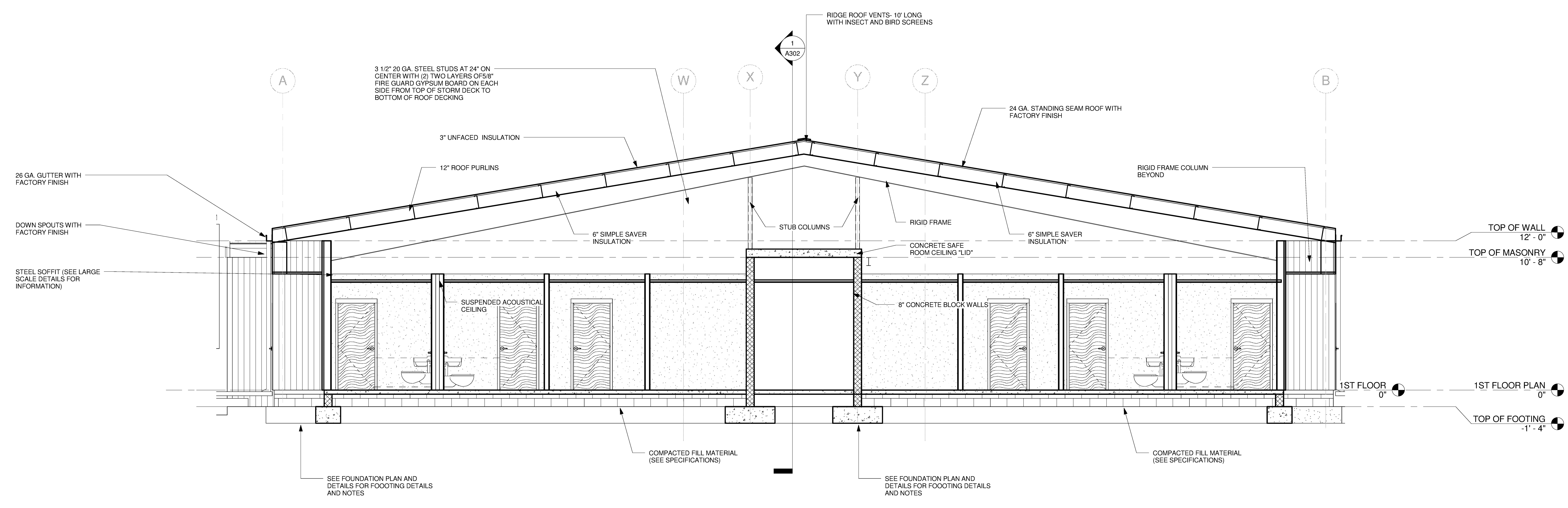
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② BUILDING SECTION
1/4" = 1'-0"

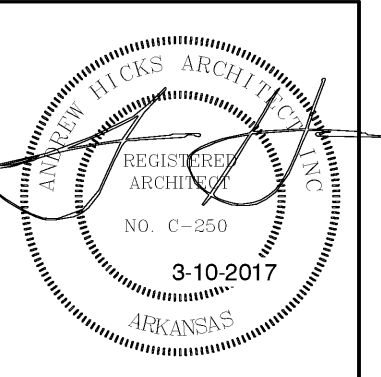


① BUILDING SECTION
1/4" = 1'-0"

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BUILDING SECTIONS

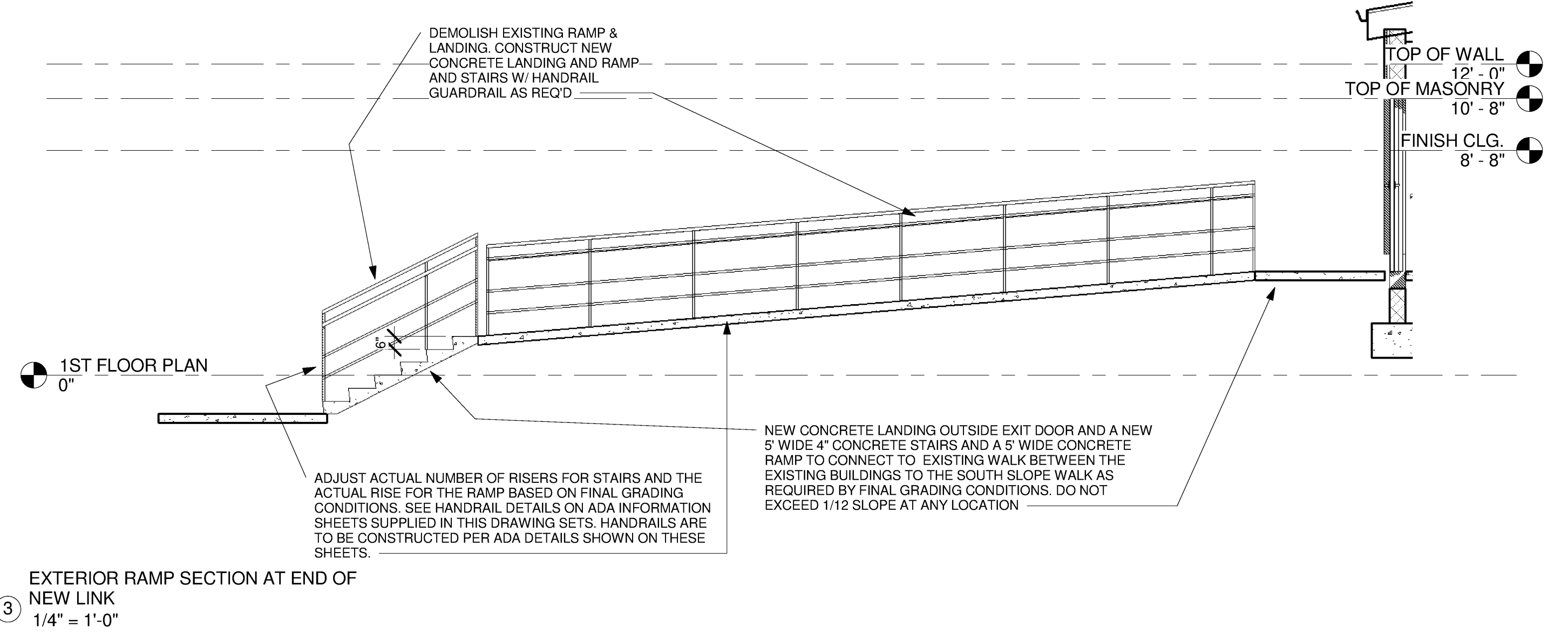


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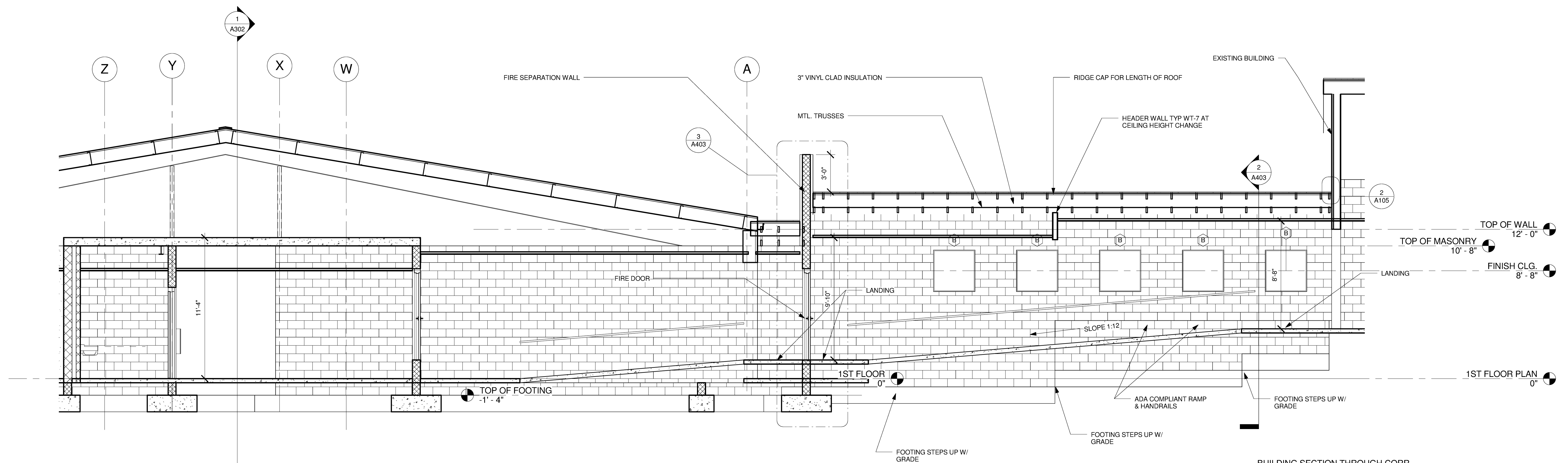
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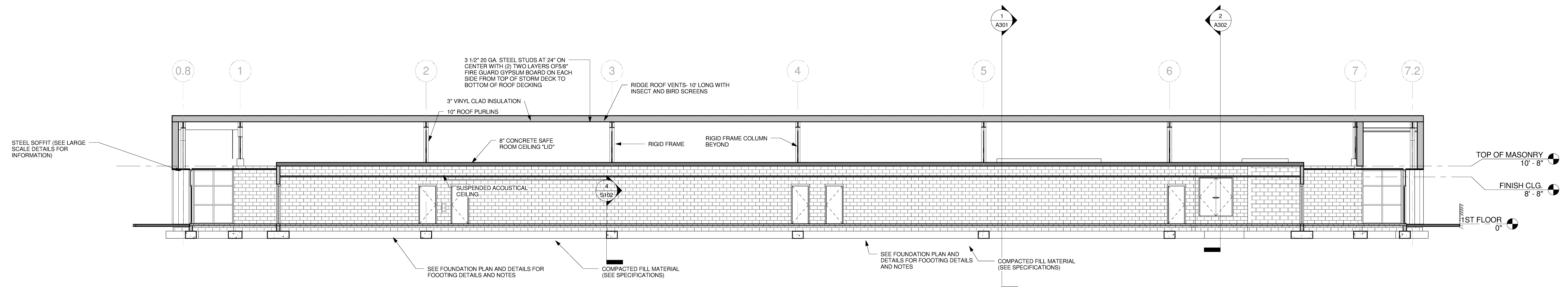
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EXTERIOR RAMP SECTION AT END OF NEW LINK
③ 1/4" = 1'-0"



BUILDING SECTION THROUGH CORR. LINK
② 1/4" = 1'-0"



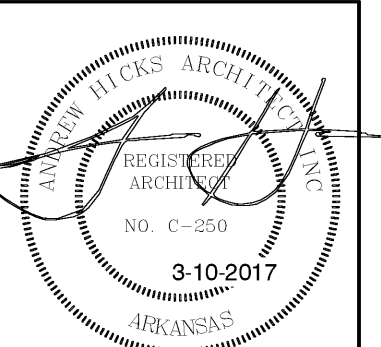
BUILDING SECTION
① 1/8" = 1'-0"

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BUILDING SECTION

A302



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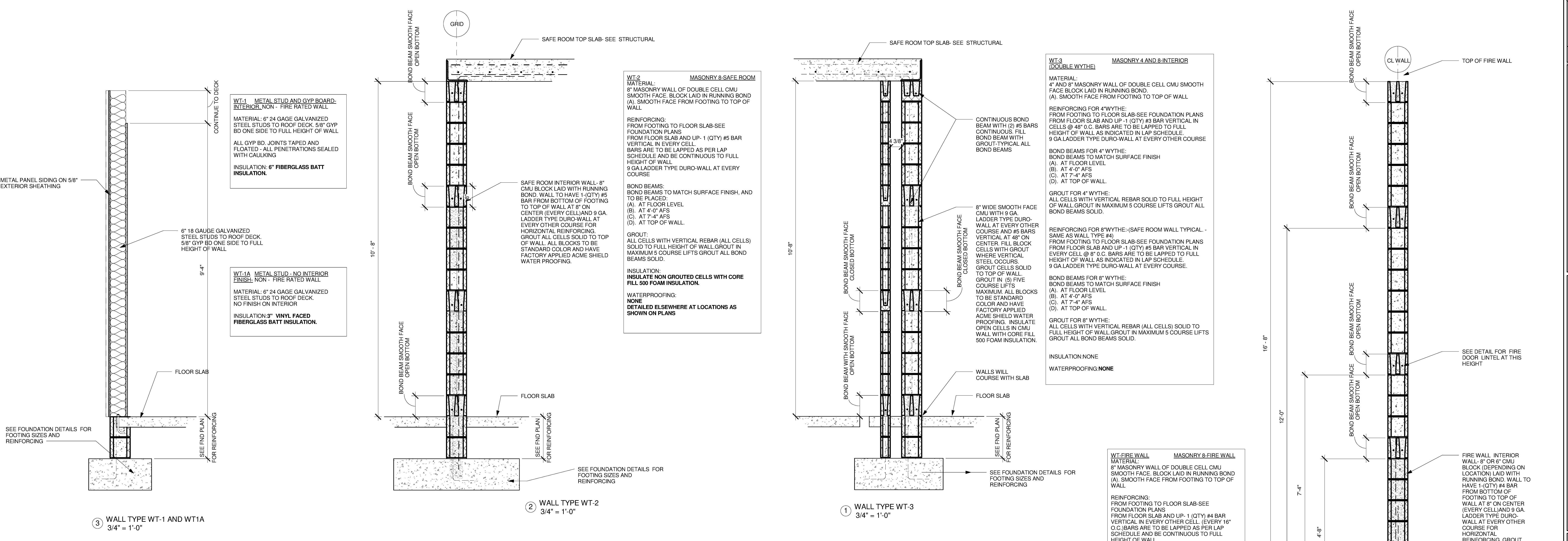
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WALL TYPE SECTIONS AND DETAILS

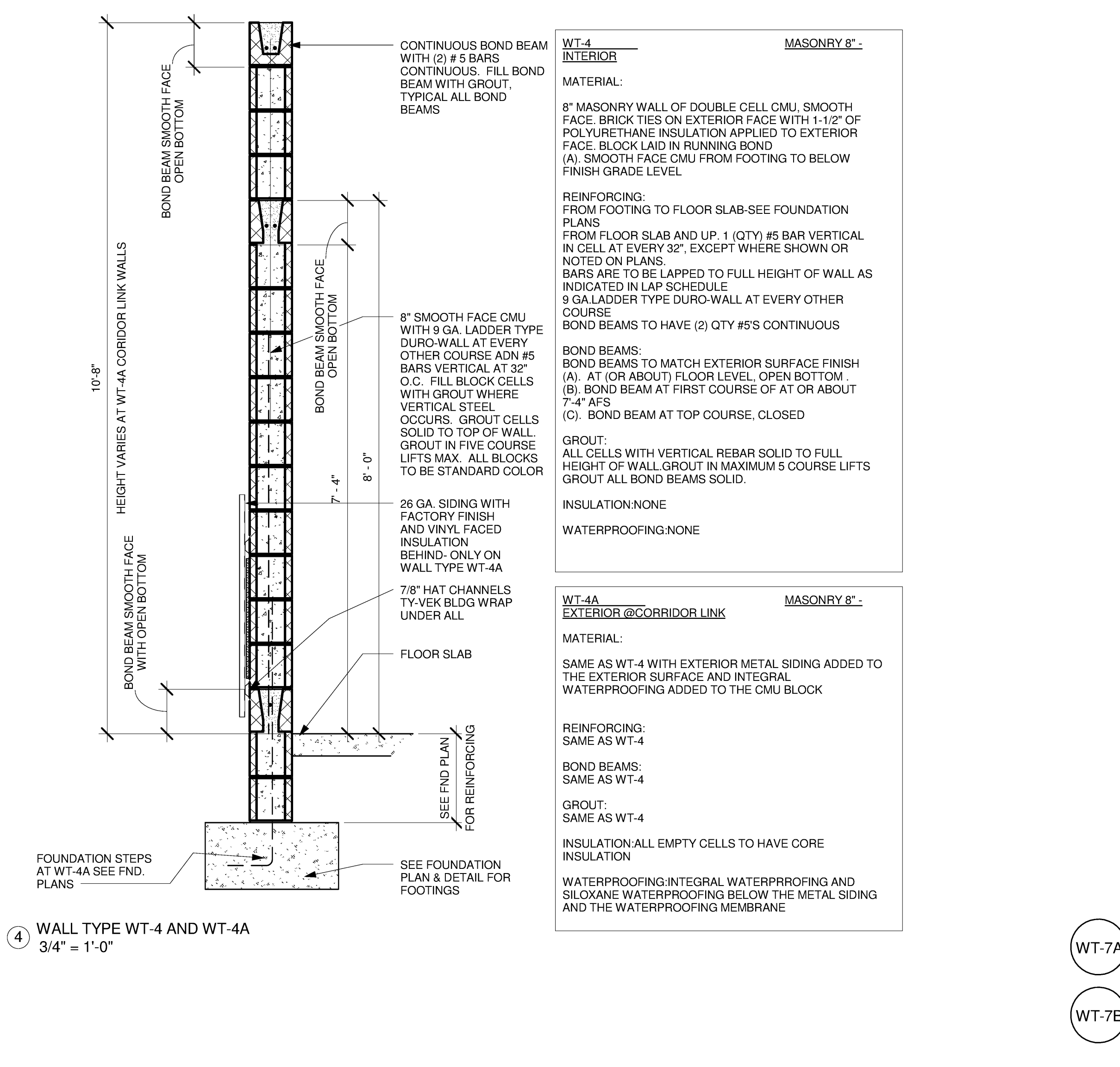


REINFORCING BAR SPLICE TABLE

BAR SIZE	SPLICE LENGTH
#4	2'-0"
#5	2'-6"
#6	3'-0"
#7	3'-6"
#8	4'-0"

BOND BEAM GENERAL NOTE:
BOND BEAMS THAT CHANGE COURSE ARE TO OVERLAP A MINIMUM 8'-0"

CMU GENERAL NOTE:
ALL CMU - BLOCK ARE TO HAVE ROUNDED CORNERS AND EGES AT WINDOW AND DOOR OPENINGS AND CORNERS



④ WALL TYPE WT-4 AND WT-4A
3/4" = 1'-0"

⑤ WALL TYPE WT-7
3/4" = 1'-0"

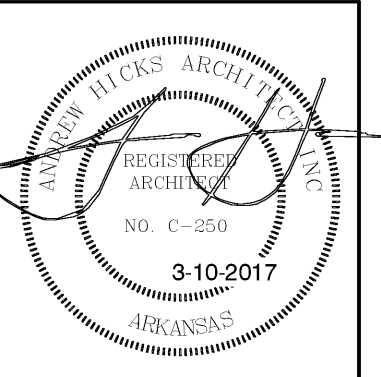
⑥ WALL TYPE WT-8
3/4" = 1'-0"

③ WALL TYPE WT-1 AND WT1A
3/4" = 1'-0"

② WALL TYPE WT-2
3/4" = 1'-0"

① WALL TYPE WT-3
3/4" = 1'-0"

⑦ FIRE WALL SECTION
3/4" = 1'-0"



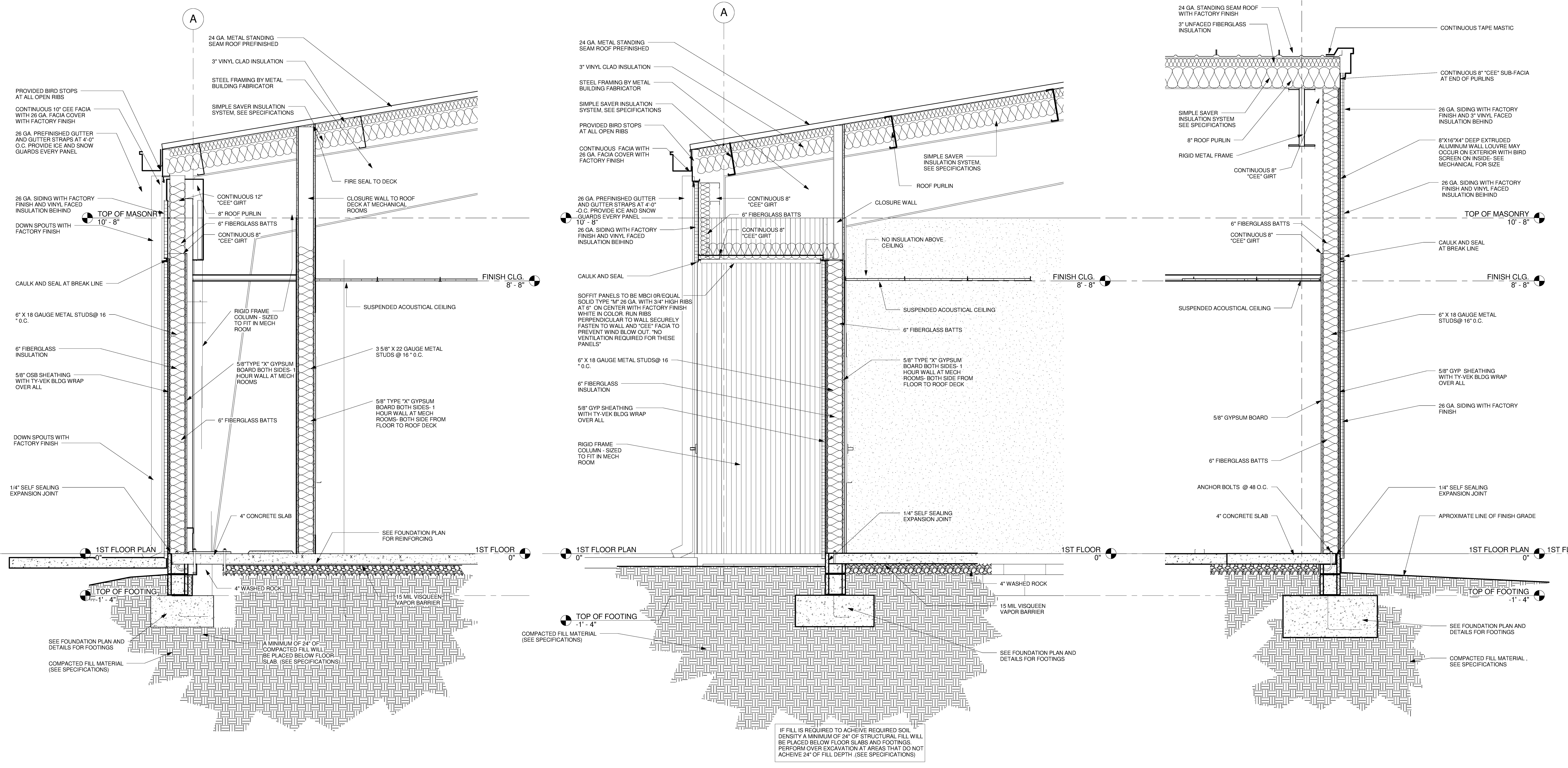
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SEE DEDUCTIVE ALTERNATE SHEET
FOR ALTERNATE WALL SECTION FOR
BUILDING WITH METAL SKIN IN LIEU OF
BRICK VENEER



1 WALL SECTION AT COLUMN/STORAGE
3/4" = 1'-0"

2 WALL SECTION AT OVERHANG
3/4" = 1'-0"

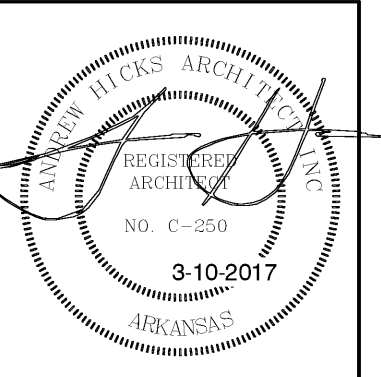
3 WALL SECTION AT GABLE END
3/4" = 1'-0"

IF FILL IS REQUIRED TO ACHIEVE REQUIRED SOIL DENSITY A MINIMUM OF 24" OF STRUCTURAL FILL WILL BE PLACED BELOW FLOOR SLABS AND FOOTINGS. PERFORM OVER EXCAVATION AT AREAS THAT DO NOT ACHIEVE 24" OF FILL DEPTH (SEE SPECIFICATIONS)

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WALL SECTIONS



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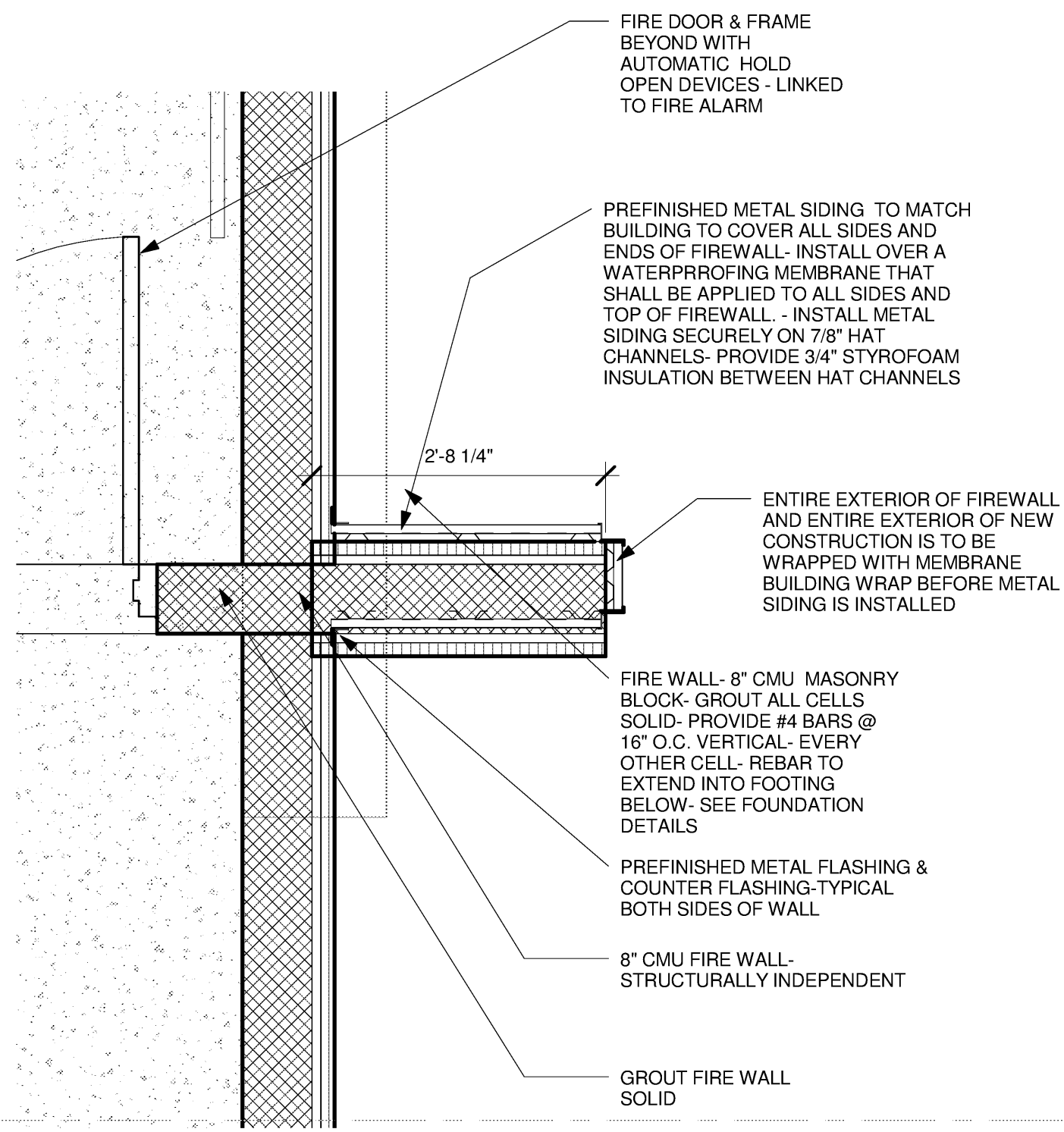
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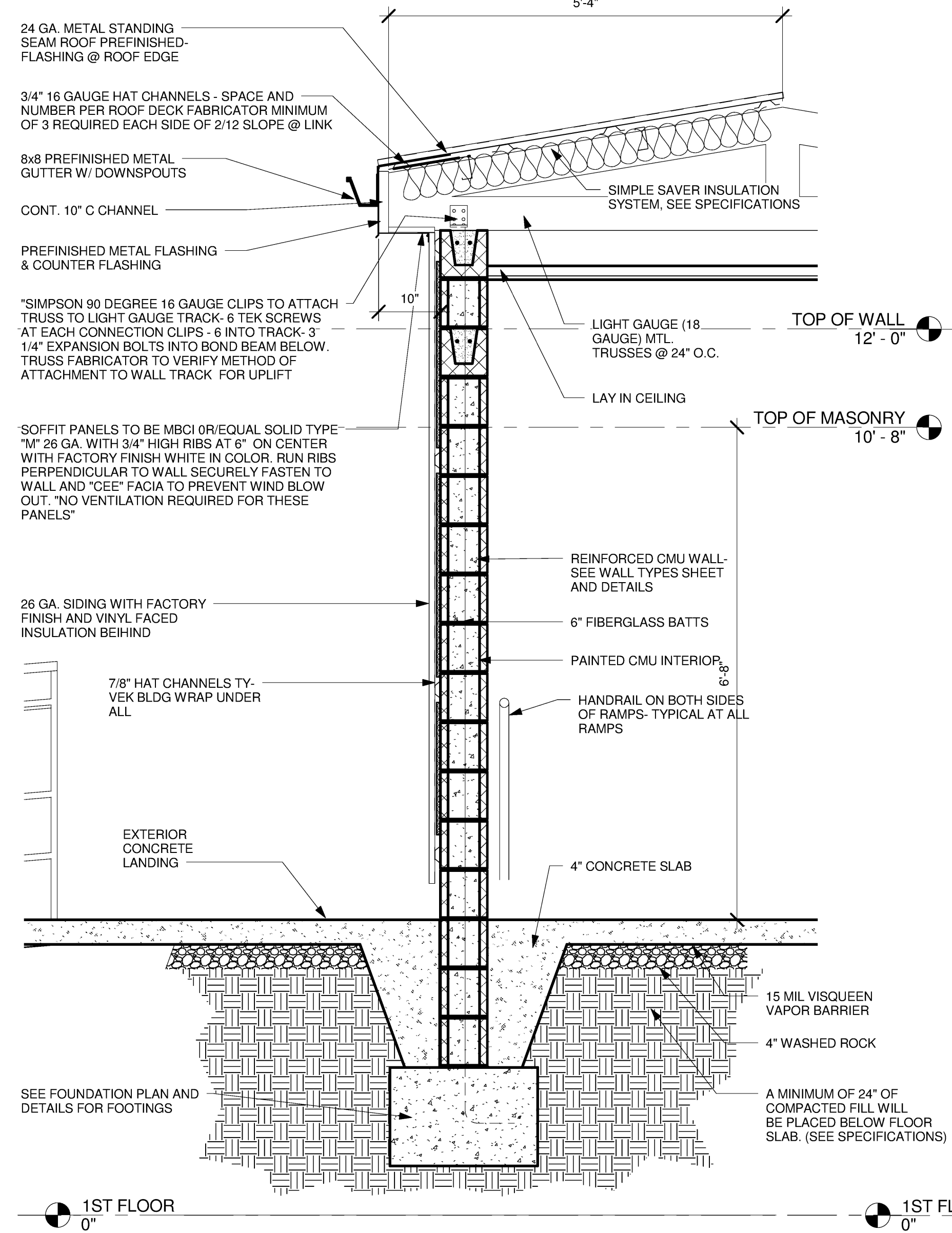
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WALL SECTIONS

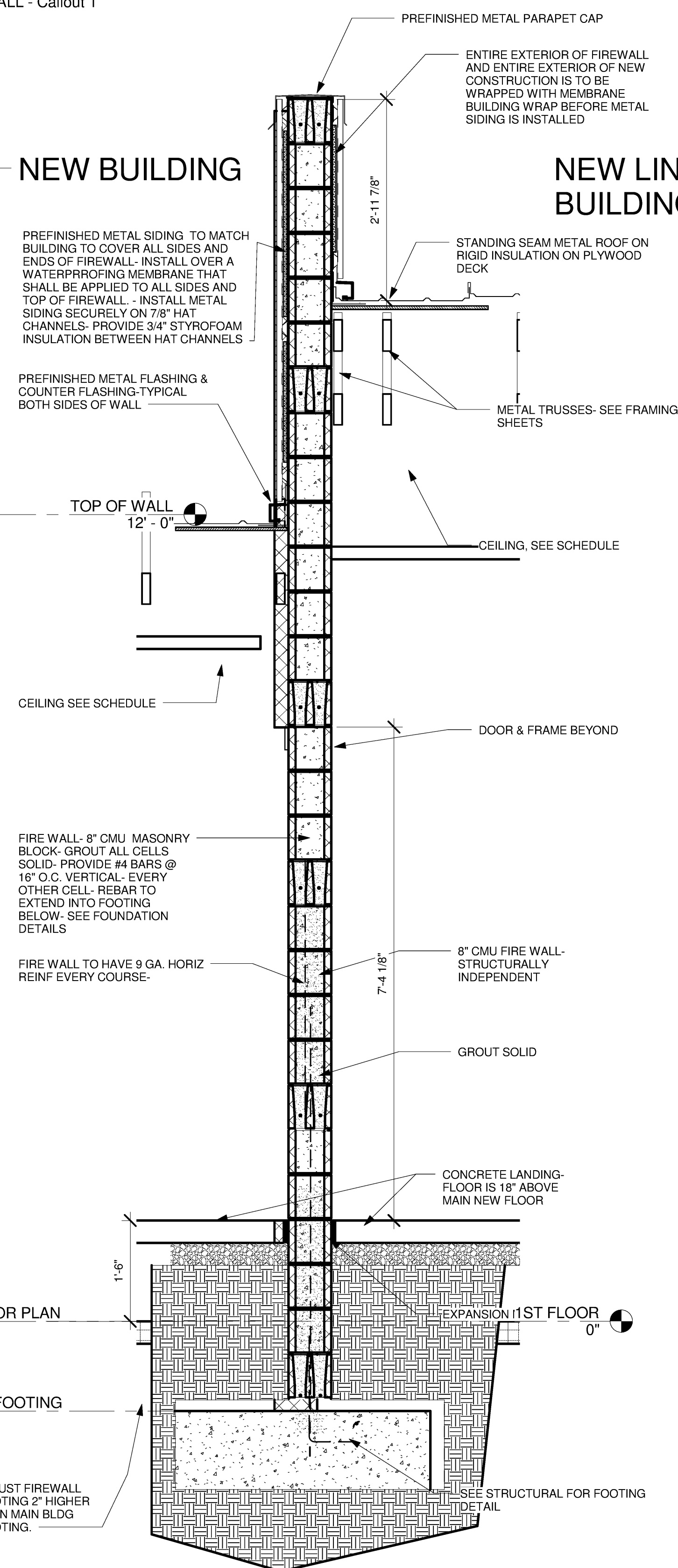
A403



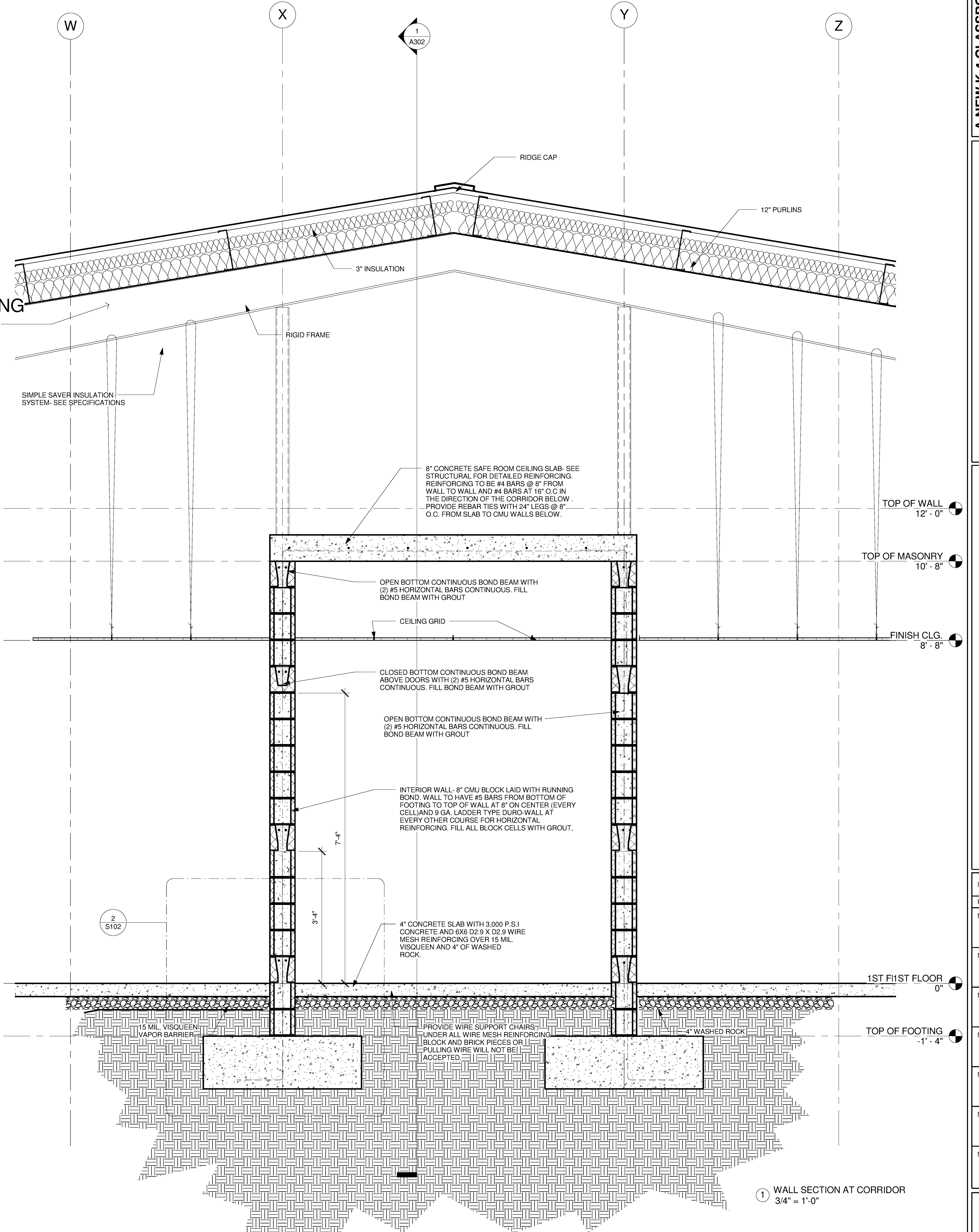
4 PLAN SECTION @ FIREWALL - Callout 1
3/4\" = 1'-0\"



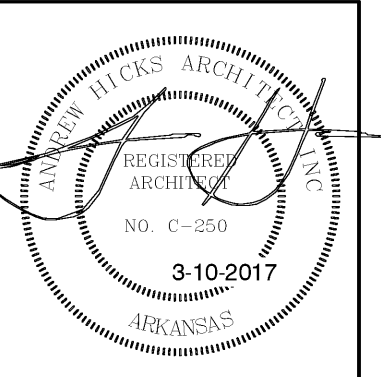
2 WALL SECTION AT CORRIDOR LINK
3/4\" = 1'-0\"



3 WALL SECTION THROUGH LINK FIRE SEPARATION WALL
3/4\" = 1'-0\"



1 WALL SECTION AT CORRIDOR
3/4\" = 1'-0\"



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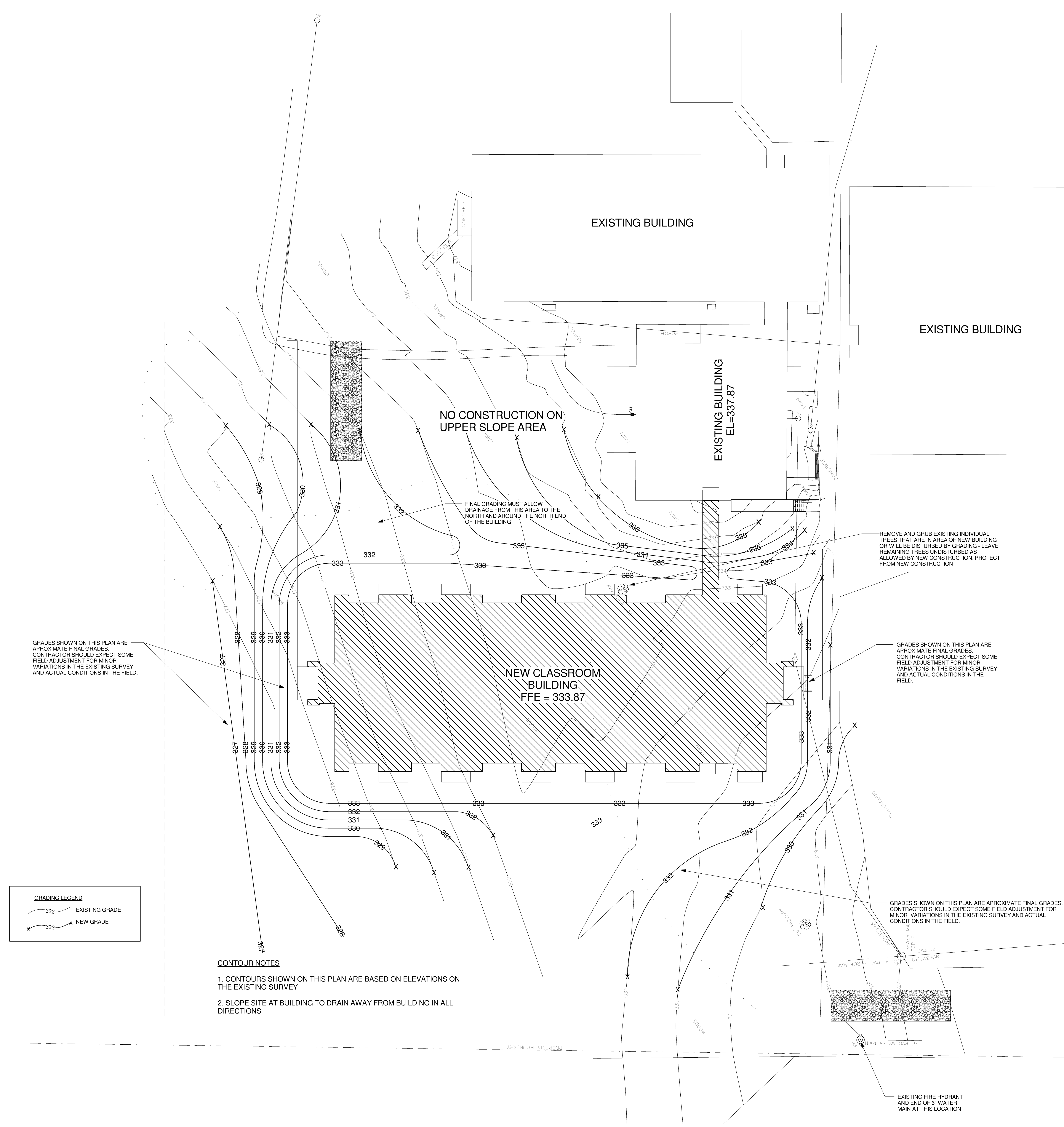
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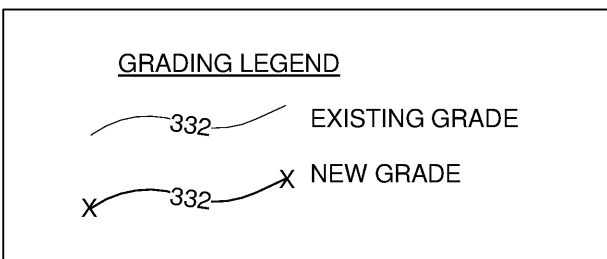
GRADING PLAN - NEW GRADES

C101



SPECIAL NOTES:

- (1) ALL SOIL TESTING, CONCRETE TESTING ETC. SHALL BE DONE BY TESTING LABORATORY INDICATED IN BOUND SPECIFICATIONS AND INCLUDED IN THE BID PRICE.
- (2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE AREA OUTSIDE THE GENERAL CONSTRUCTION AREA FROM DAMAGE TO THE FILL MATERIAL DURING BAD WEATHER CAUSED FROM CONSTRUCTION EQUIPMENT BEING USED ON THE PROJECT. DAMAGE TO THE FILL MATERIAL IN THE FUTURE PARKING LOT AND OTHER AREAS OUTSIDE OF THE BUILDING CONSTRUCTION AREA SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- (3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REASONABLY STABLE ROAD ACCESS IN AND OUT OF THE PROJECT FOR EQUIPMENT, TRUCKS AND OTHER VEHICLES DURING THE WET MONTHS AND DURING THE WINTER MONTHS SO THE PROJECT CAN PROCEED WITHOUT UNNECESSARY DELAYS DUE TO WEATHER.
- (4) PLUMBING NOTE: THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING PROPANE LINES TO EXTERIOR OF EXISTING BUILDINGS - VERIFY EXISTING ENTRY POINTS TO EXISTING BUILDINGS.
- (5) SITE IS DIRECTLY ADJACENT TO AN ACTIVE SCHOOL AREA. CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO PREVENT CHILDREN FROM ENTERING THE CONSTRUCTION AREAS. THIS INCLUDES, BUT IS NOT LIMITED TO FENCING AND OTHER BARRIERS. COORDINATE SECURITY WITH SCHOOL ADMINISTRATION.
- (6) HYDRO SEED ENTIRE REGRADED AREA.



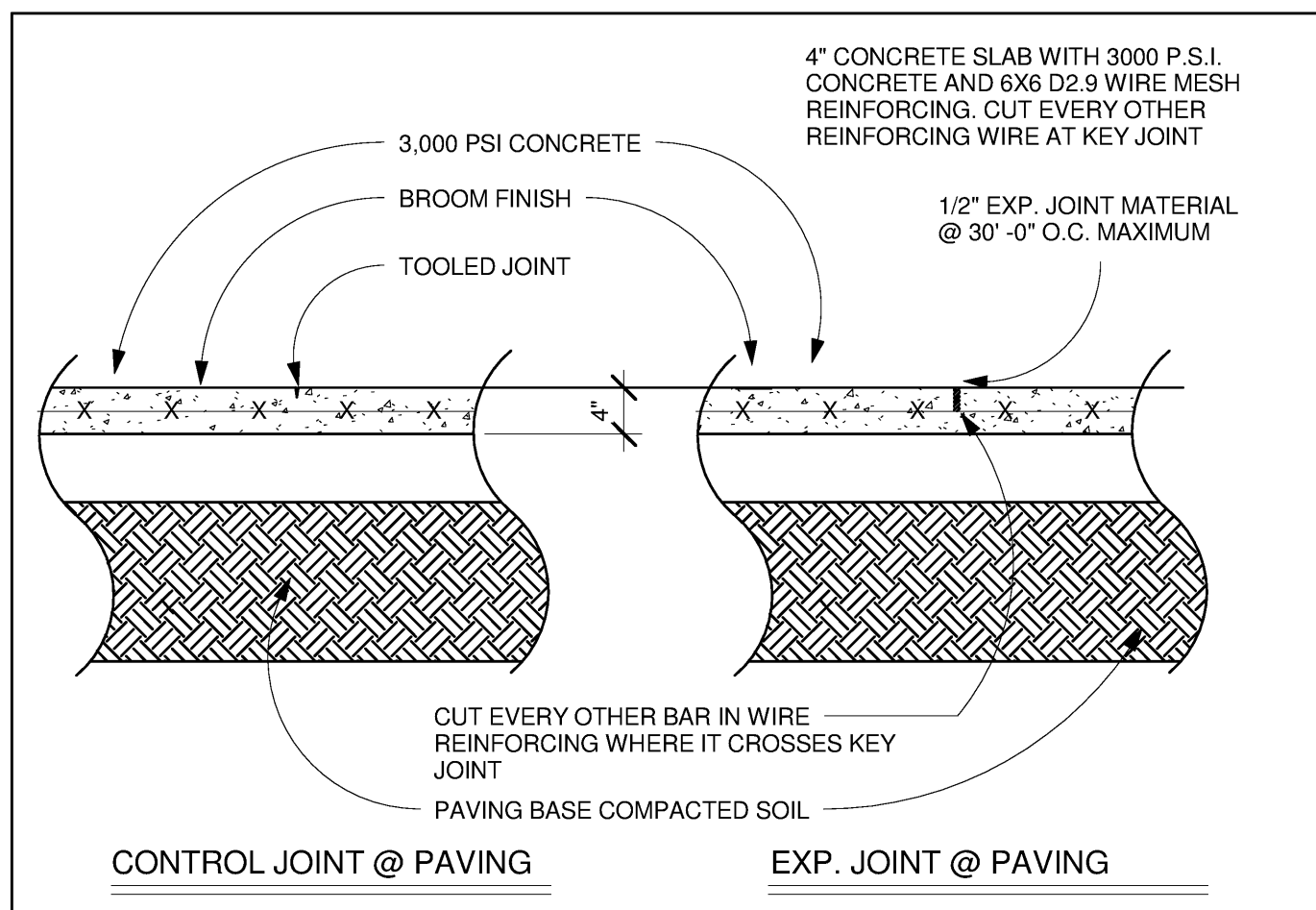
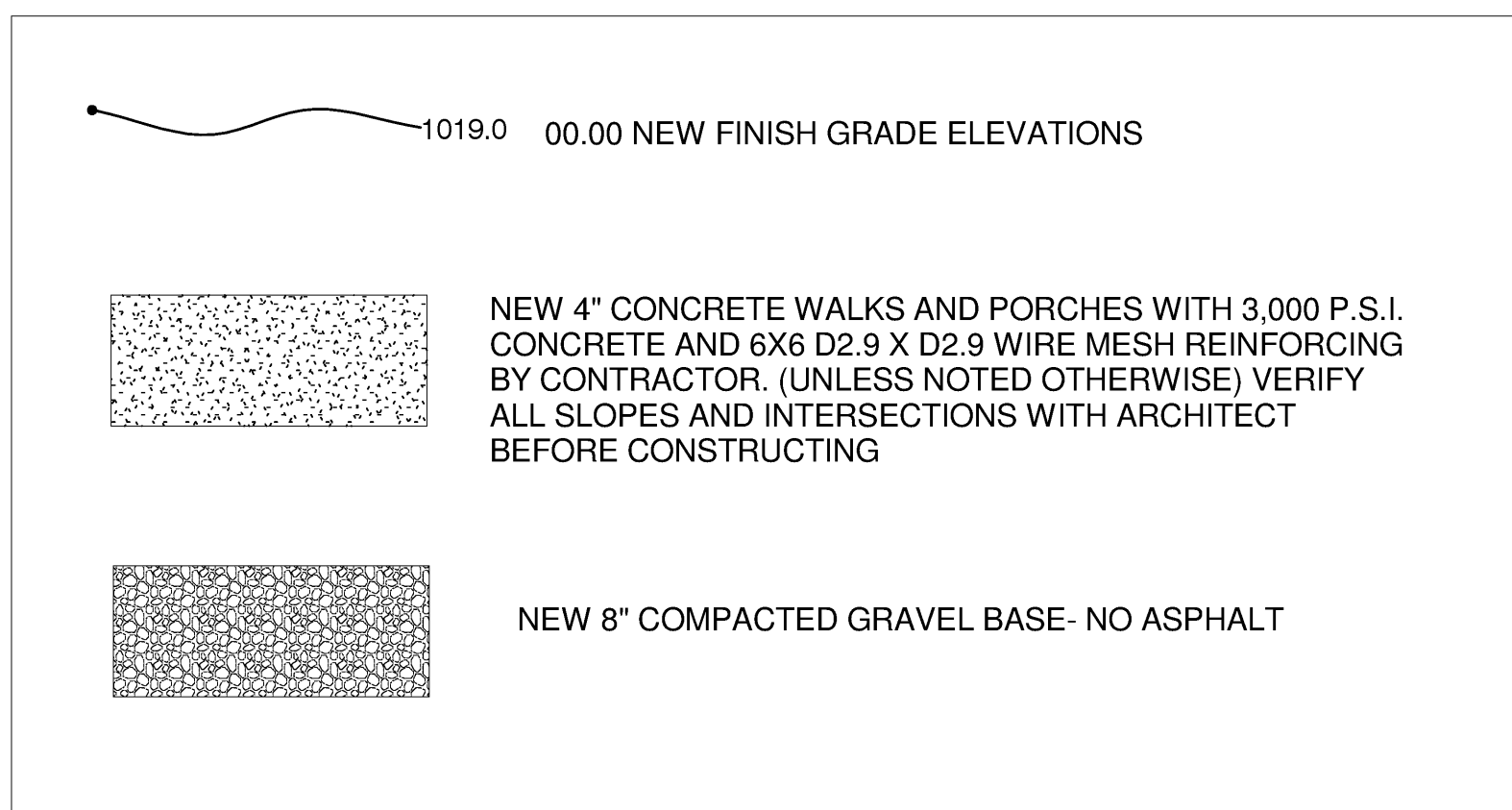
- CONTOUR NOTES**
- 1. CONTOURS SHOWN ON THIS PLAN ARE BASED ON ELEVATIONS ON THE EXISTING SURVEY
 - 2. SLOPE SITE AT BUILDING TO DRAIN AWAY FROM BUILDING IN ALL DIRECTIONS

① GRADING PLAN
1" = 20'-0"

DEMOLITION NOTES.

1. CONTRACTOR TO REMOVE ANY EXISTING CONSTRUCTION ON THE SITE. UNDERGROUND REMAINS (FOOTINGS, PLUMBING) OF AN OLDER BUILDING MAY STILL EXIST ON THE PROPERTY AND SHALL BE REMOVED. INCLUDE IN THE DEMOLITION ALL EXISTING FOUNDATIONS, UTILITIES AND ANY ABOVE GROUND STRUCTURES.
2. CONTRACTOR TO REMOVE AND/OR RELOCATE EXISTING PP AND REROUTE POWER AND COMM LINES, TYPICAL FOR ALL OVERHEAD OBSTRUCTIONS. SEE ELECTRICAL SHEETS FOR MORE INFO.
3. CERTAIN ITEMS MAY REMAIN THE PROPERTY OF THE OWNER. BEFORE DEMOLITION INVENTORY ITEMS THAT THE OWNER MAY WANT TO RETAIN. THESE ITEMS, IF ANY, ARE TO BE PLACED IN AN UNDISTURBED AREA OF THE SITE FOR THE OWNER TO PICK UP AND RELOCATE.
4. ALTHOUGH IT IS BELIEVED THAT NO TOXIC MATERIAL EXISTS IN THE BUILDING AREA, IF ANY TOXIC MATERIAL IS FOUND, THE OWNER WILL BE RESPONSIBLE FOR THE HANDLING, REMOVAL OR ABATEMENT OF ANY HAZARDOUS AND TOXIC MATERIAL THAT MAY BE DISCOVERED ON THIS SITE.
5. ALL EXISTING CONCRETE FOUNDATIONS, IF ANY, ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
6. EXISTING SITE PAVING, EITHER CONCRETE OR ASPHALT, IS TO BE DEMOLISHED AS REQUIRED TO CONSTRUCT NEW SITE PLAN AS SHOWN ON THIS SHEET. THE DEBRIS IS TO BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DUMPSITE OR AS OTHERWISE REQUIRED BY LAW.
7. CONTRACTOR IS TO COORDINATE THE REMOVAL OF OR RELOCATION OF EXISTING UTILITIES FROM THE AFFECTED AREA OF THE SITE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
8. CONTRACTOR IS TO COORDINATE THE REMOVAL AND/OR RELOCATION OR NEW INSTALLATION OF EXISTING GAS LINES FROM THE AFFECTED AREA OF THE SITE.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE OTHER ITEMS THAT MAY CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT AND TO CONSULT WITH THE ARCHITECT AND OWNER REGARDING THEIR REMOVAL OR RELOCATION.

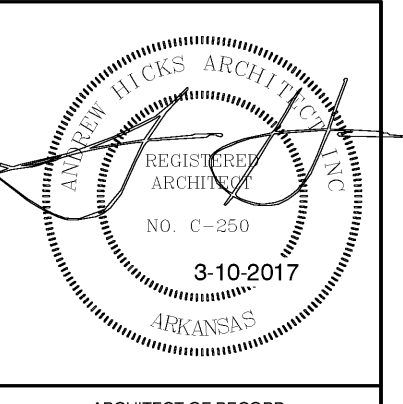
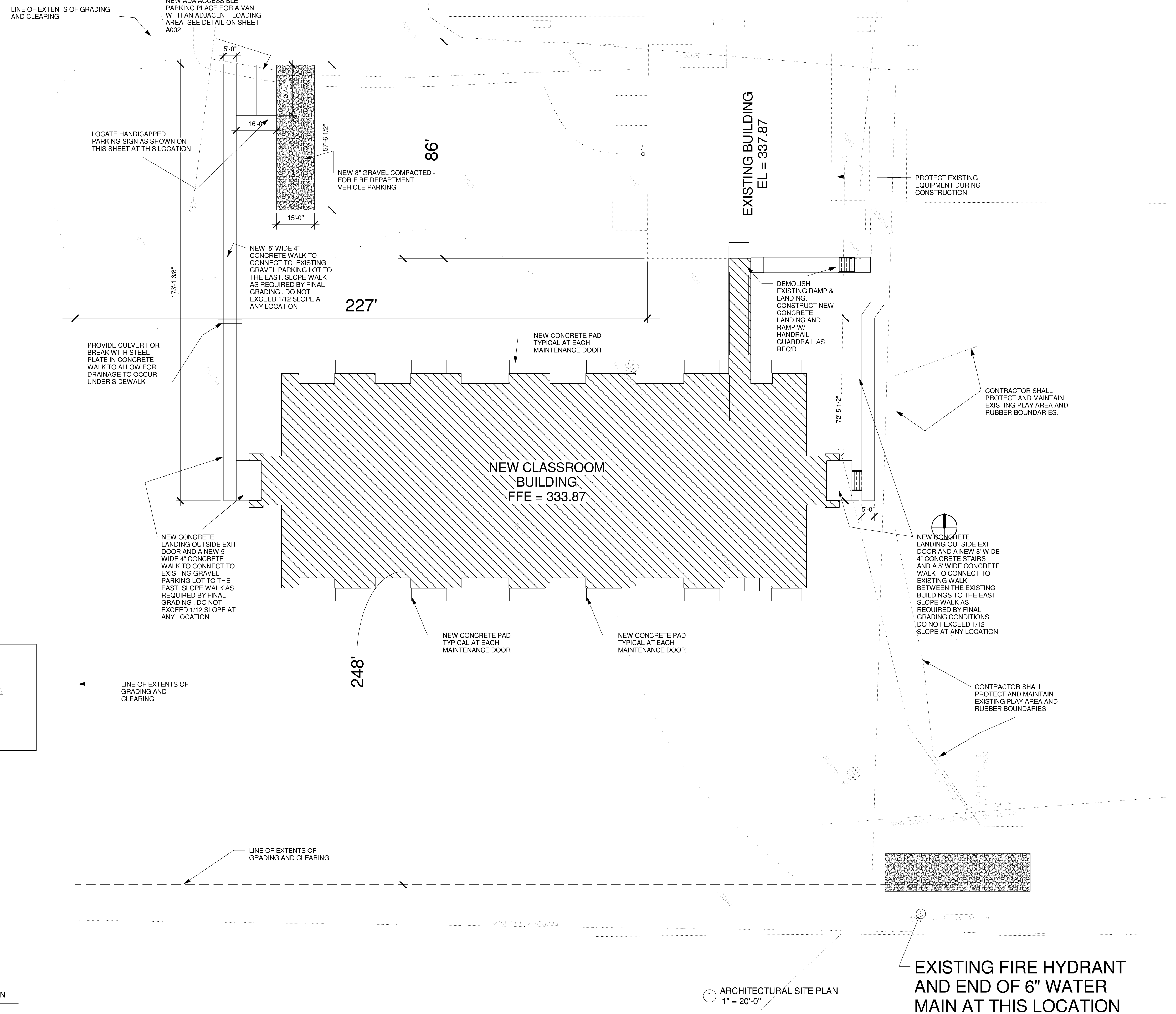
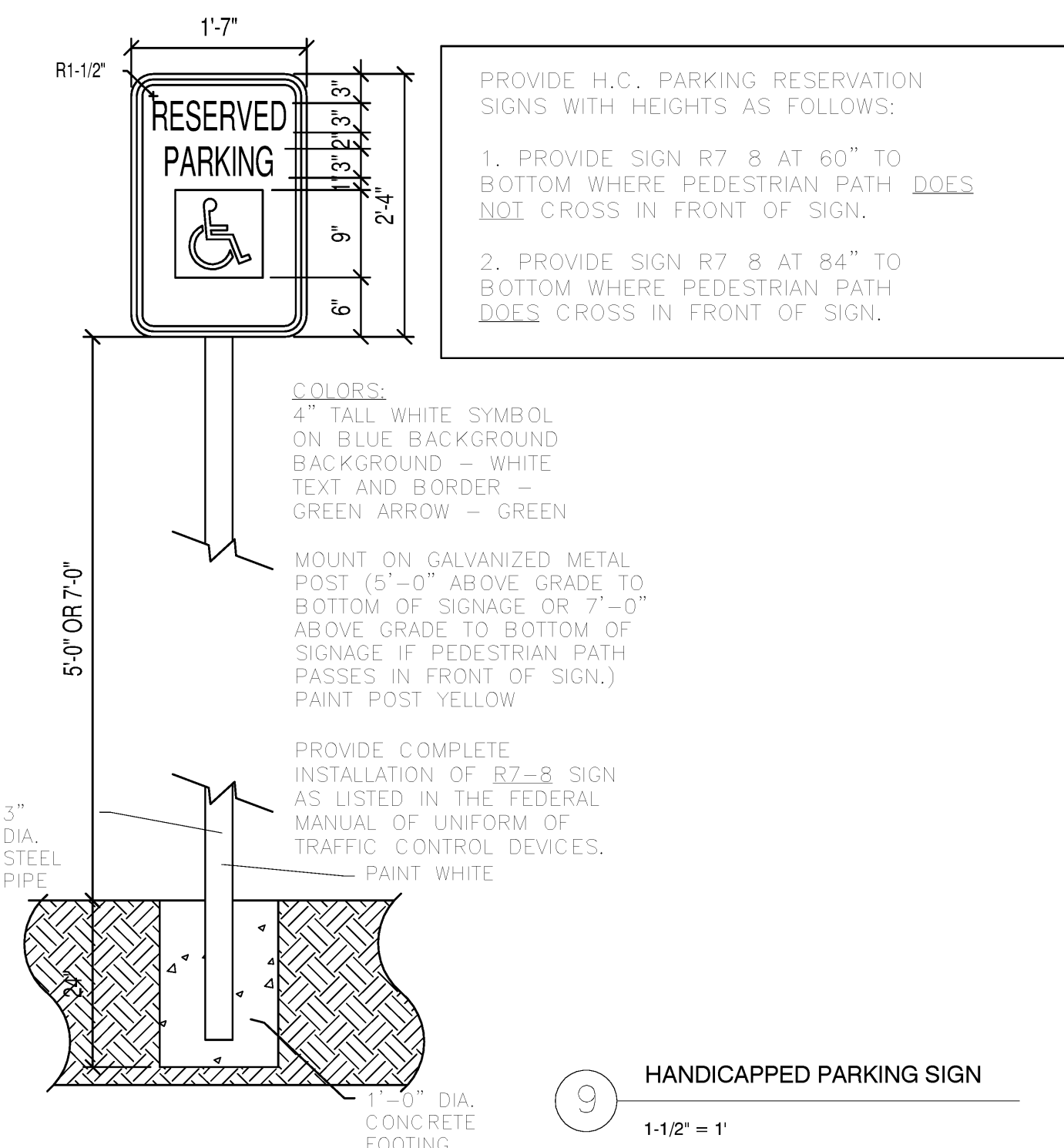
SITE LEGEND



6 SITE-WALK DETAILS
3/4" = 1'-0"

GENERAL NOTES:

- (1) ALL NEW WALKS ARE TO MEET THE REQUIREMENTS OF THE 2010 AMERICANS WITH DISABILITIES ACT.
- (2) THE CONTRACTORS AND SUB CONTRACTORS SHALL VERIFY THE SIZE AND LOCATIONS OF ALL UTILITIES INCLUDING BUT NOT LIMITED TO THE GAS, WATER, SEWER AND POWER. THIS INCLUDES DEPTH OF EXISTING UTILITIES THAT ARE UNDERGROUND BEFORE BIDDING. IF ANY DISCREPANCIES THAT ARE FOUND BETWEEN THE PLANS AND THE UTILITIES ACTUAL SIZE AND LOCATION THE ARCHITECT SHALL BE NOTIFIED BEFORE BIDDING. ALL VERIFICATIONS ARE TO BE DONE BEFORE BIDDING.
- (3) THE GENERAL CONTRACTOR AND SUB CONTRACTORS SHALL VERIFY ALL EXISTING ELEVATIONS GRADES THAT MAY AFFECT THE WORK BEFORE BIDDING. IF ANY DISCREPANCIES FROM THE PLANS AND SPECIFICATIONS ARE FOUND THEY SHALL BE REPORTED TO THE ARCHITECT BEFORE BIDDING.
- (4) EARTHWORK AND EXCAVATION CONTRACTOR IS TO REGRADE AND IMPORT OR EXPORT FILL AS REQUIRED TO ACHIEVE THE FINISH GRADE ELEVATIONS AS SHOWN ON THE CONTOUR PLAN AND SPOT ELEVATIONS. SUITABLE FILL AS APPROVED BY THE SOILS ENGINEER IS TO BE USED TO FILL THE SITE AS REQUIRED. ALL FILL TO BE PLACED PER SPECIFICATIONS CONTRACTOR TO REMOVE ALL EXISTING RETAINING WALL, RETAINING WALL FOOTINGS, VEGETATION, AND OTHER EXISTING FEATURES THAT WILL CONFLICT WITH THE NEW BUILDING



A NEW K-4 CLASSROOM BUILDING
FOR
SLOAN HENDRIX SCHOOL DISTRICT
SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

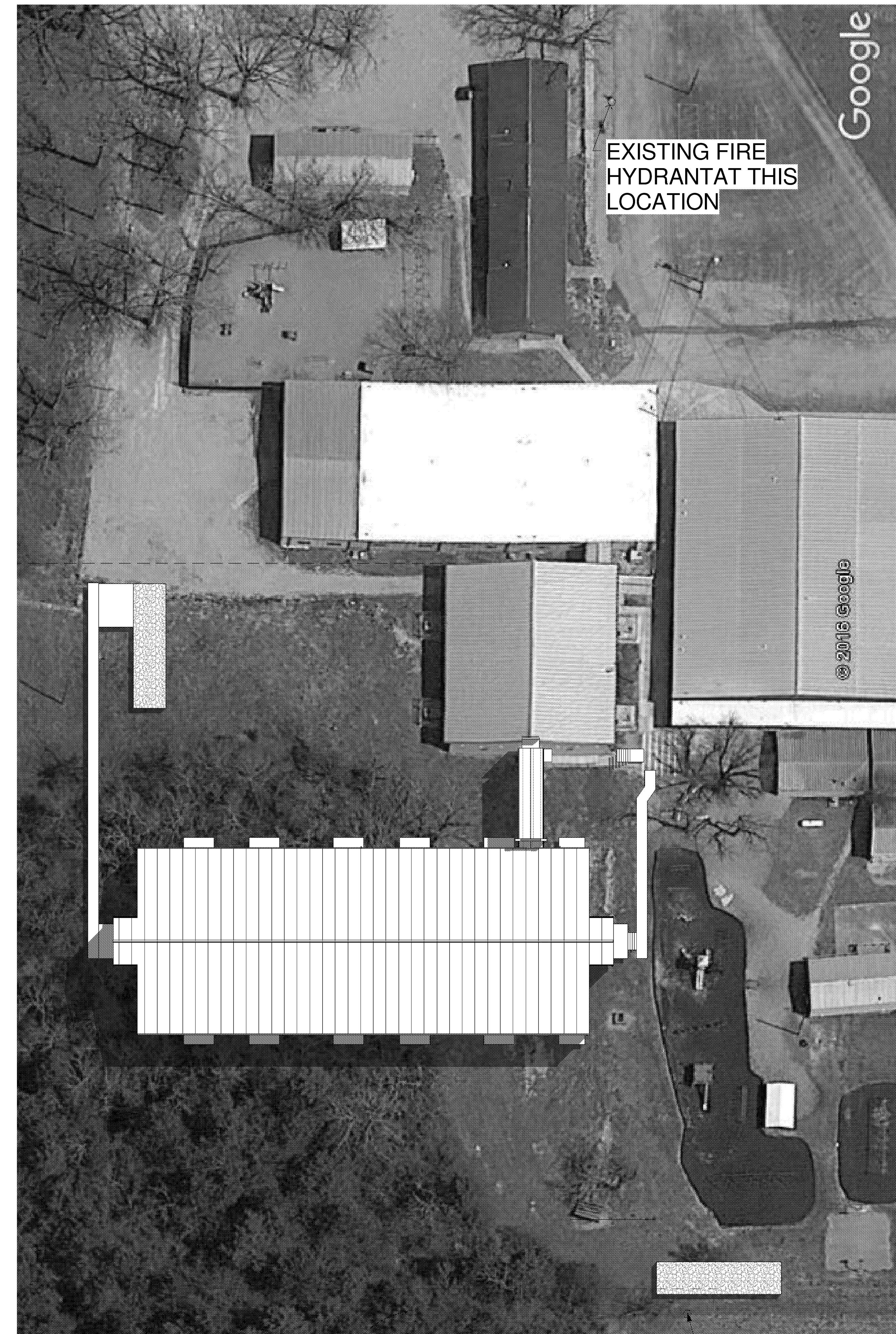
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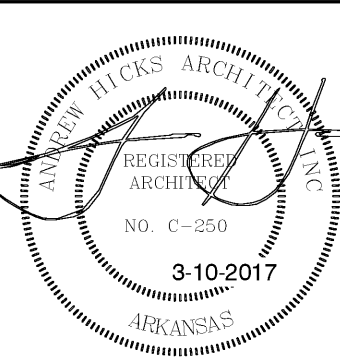
ABBREVIATIONS

A/C	AIR CONDITIONING	-JST	JOIST
ADDL	ADDITIONAL	-JT	JOINT
ADJ	ADJACENT	K.E.S.	KITCHEN EQUIPMENT SUPPLIER
AFF	ABOVE FINISH FLOOR	K.O.W.A.T.	KITCHEN
ASF	ABOVE SUBFLOOR	LAV	LAVATORY
ATS	ABOVE TOP OF SLAB	LINEAR	LINEAR
ALT	ALTERNATE	LP	LOWPOINT
ALUM	ALUMINUM	LAM	LAMINATED
AMP	AMPERES	L	LUMBER
APPROX	APPROXIMATE	MAX	MAXIMUM
A.W.S.	AMERICAN WELDING SOCIETY	M	THOUSAND
ARCH	ARCHITECT	MACH	MACHINE
BD	BOARD	MC	MECHANICAL CONTRACTOR
BLDG	BUILDING	MECH	MECHANICAL
BLK	BLOCK	MFR	MANUFACTURER
BM	BEAM	MIN	MINIMUM
BOTT	BOTTOM	MISC	MISCELLANEOUS
BRG	BEARING	MO	MASONRY OPENING
BTM	BOTTOM	MTD	MOUNTED
BTUH	BTU PER HOUR	MTL	METAL
CEM	CEMENT	N	NORTH
C/C	CENTER TO CENTER	NORM	NORMALLY
CER	CERAMIC	NC	NOT IN CONTRACT
CT	CERAMIC TILE	NO	NUMBER
CF	COLD FILTERED WATER CONSTRUCTION	NOM	NOMINAL
CJ	JOINT	NSPS	NEAR SIDE AND FAR SIDE
CLD	CEILING	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
C.A.	CLEAR ANKOIZED	OD	OUTSIDE DIAMETER
CLSD	CLOSED	OPEN	OPENING
CCTV	CLOSE CIRCUIT TELEVISION CAMERA	OPNG	OPPOSITE
CAMTV	CAMERA	ORF	OVERFLOW ROOF DRAIN
CNTR	CENTER	OW	OWNER
CMU	CONCRETE MASONRY UNIT	PC	PIECE
CG	CORNER GUARD	PC	PATTERNED COLORED CONCRETE
COBR	CORRIDOR	PLB CNT	PLUMBING CONTRACTOR
CO	CLEANOUT	PH	PHASE
COL	COLUMN	P LAM	PLASTIC LAMINATE
CONC	CONCRETE	PLMB	PLUMBING
CONSTR	CONSTRUCTION	PLYWD	PLYWOOD
CONTR	CONTRACTOR	PNL	PANEL
CONT	CONTINUOUS	PNL	PANEL
CW	COLD WATER	PREFAB	PREFABRICATED
DET	DETAIL	PROJCT	PROJECT
DM	DIAMETER	PT	PRESSURE TREATED
DN	DOWN	PVC	POLYVINYL CHLORIDE
DS	DOWNSPOUT	QT	QUARRY TILE
DW	DRYWALL	R	RADIUS
DWS	DRAWING	R	RISER
EA	EACH	R/D	ROOF DRAIN
EW	EACH WAY	R/DL	ROOF DRAIN LEADER
EC	ELECTRIC CONTRACTOR	RECP	RECEPTACLE
EL	ELEVATION	REINF	REINFORCING
ELEC	ELECTRIC OR ELECTRICAL	REQ'D	REQUIRED
ELEV	ELEVATION	RES	RESILIENT
EQ	EQUAL	REV	REVISION
EW	ELECTRIC WATER COOLER	RM	ROOM
EXIST	EXISTING	R/O	ROUGH OPENING
EPS	EXPANDED POLYSTYRENE	SAC	SUSPENDED ACOUSTICAL CEILING
EXP	EXPANSION	SAC-1	SUSPENDED ACOUSTICAL CEILING, 1-HOUR FIRE RATED
EXP JT	EXPANSION JOINT	S.C.	SOLID CORE
EXT	EXTERIOR	SCC	SMOOTH COLORED CONCRETE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	SCH	SCHEDULE
FD	FLOOR DRAIN	SECT	SECTION
FN	FINISH	S.F.	SQUARE FEET
FIN FLR	FINISH FLOOR	SHT	SHEET
FEC	FIRE EXTINGUISHER CABINET	SIM	SIMILAR
FND	FOUNDATION	SPEC	SPECIFICATIONS
FHC	FIRE HOSE CABINET	SSM	SOLID SURFACE MATERIAL
FL	FLOOR	STD	STANDARD
FOR	FACE OF BRICK	ST	STAIR
FOS	FACE OF STUD	STG	STAGGER
FRP	FIBER REINFORCED PLASTIC	STL	STEEL
FS	FLOOR SINK	STR	STORAGE
FRT	FIRE RETARDANT TREATED	SUSP	SUSPENDED
FT	FEET	SYNTH	SYNTHETIC
FTG	FOOTING	STRUCT	STRUCTURAL
GALV	GALVANIZED	TEL	TELEPHONE
G/C	GENERAL CONTRACTOR	THK	THICKNESS
GYP	GYPNUM	T&B	TOP AND BOTTOM
GYP BD	GYPNUM BOARD	T&G	TONGUE AND GROOVE
HR	HOUR	THRD	THREAD
HD	HUB DRAIN	TOS	TOP OF STEEL
HW	HARDWARE	TRI	THREADS PER INCH
HGT	HEIGHT	T	TOP OF
HM	HOLLOW METAL	TYP	TYPICAL
HORZ	HORIZONTAL	UNLESS OTHERWISE NOTED	
HP	HIGH POINT	UTIL	UTILITY
HP	HORSEPOWER	VCL	VINYL COMPOSITION TILE
HTL	HOT ROLLED	VENR	VENEER
HGT	HEIGHT	VERT	VERTICAL
HVAC	HEATING/VENTILATING/AIR CONDITIONING	W/C	WALL COVERING
HW	HOT WATER	WC	WATER CLOSET
ID	INSIDE DIAMETER	W	WOOD
IN	INCH	WOT	WATER HEATER
INFO	INFORMATION	WH	WATER HEATER
INSUL	INSULATION	W	WITH
INT	INTERIOR	W/P	WITHOUT
INV	INVERT	W/P	WATER PROOFING
		W/P	WELDED WIRE FABRIC
		XTG	EXISTING



AERIAL PHOTO MAP SHOWING EXISTING FEATURES

3 SITE PHOTO W/ BUILDING
1" = 30'-0"



ARCHITECT OF RECORD
ANDREW F. HICKS

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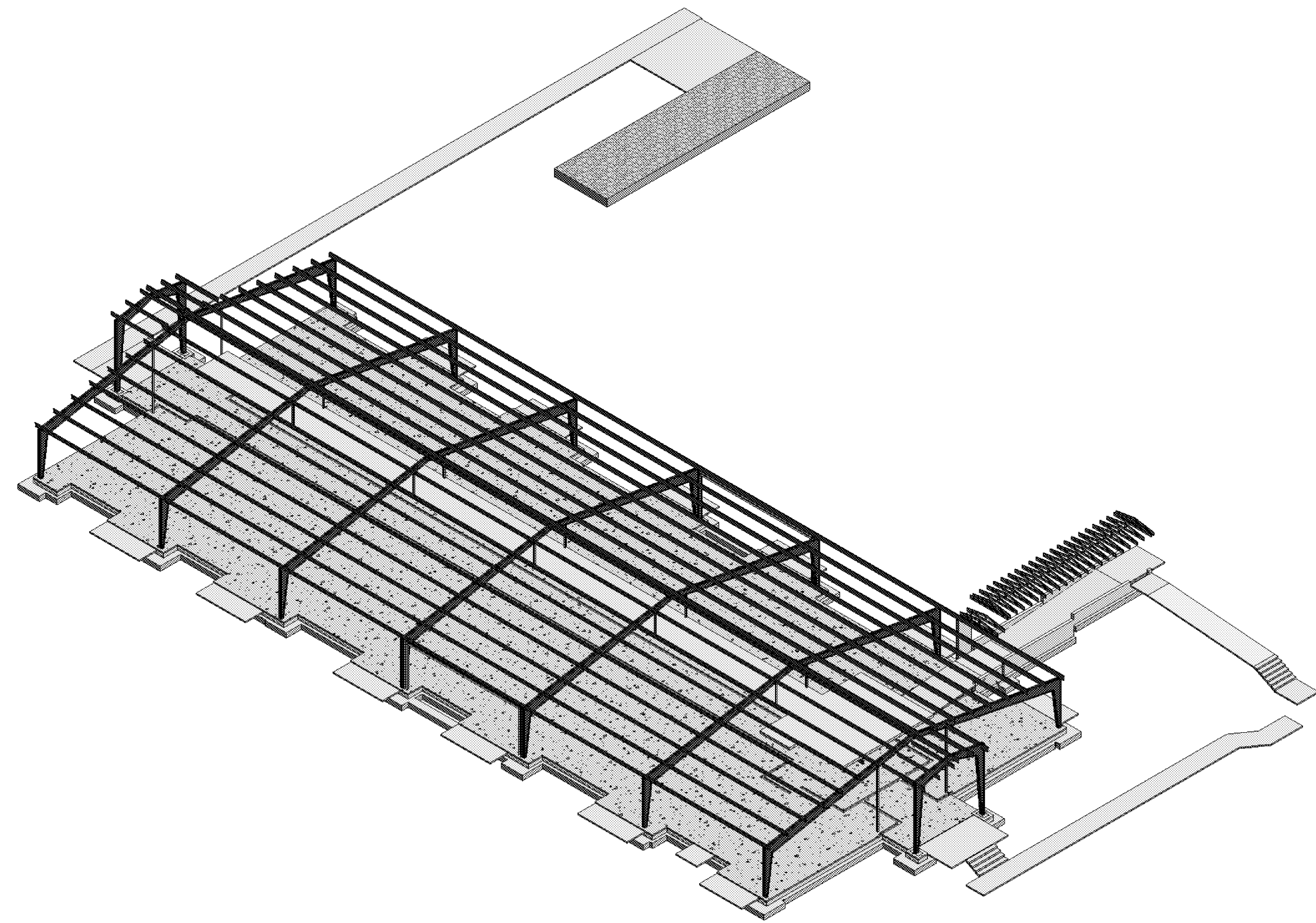
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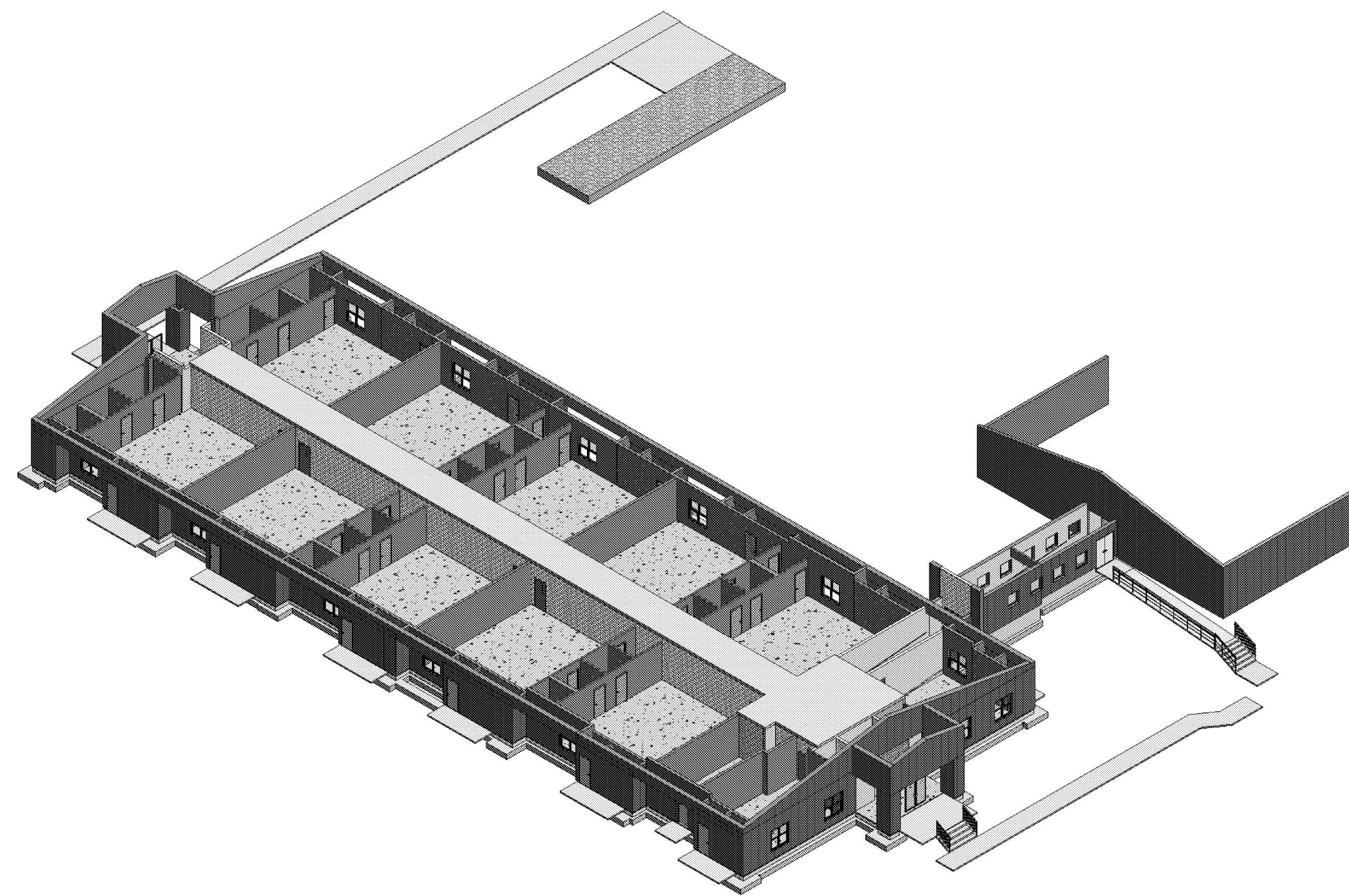
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AERIAL PHOTO SITE PLAN

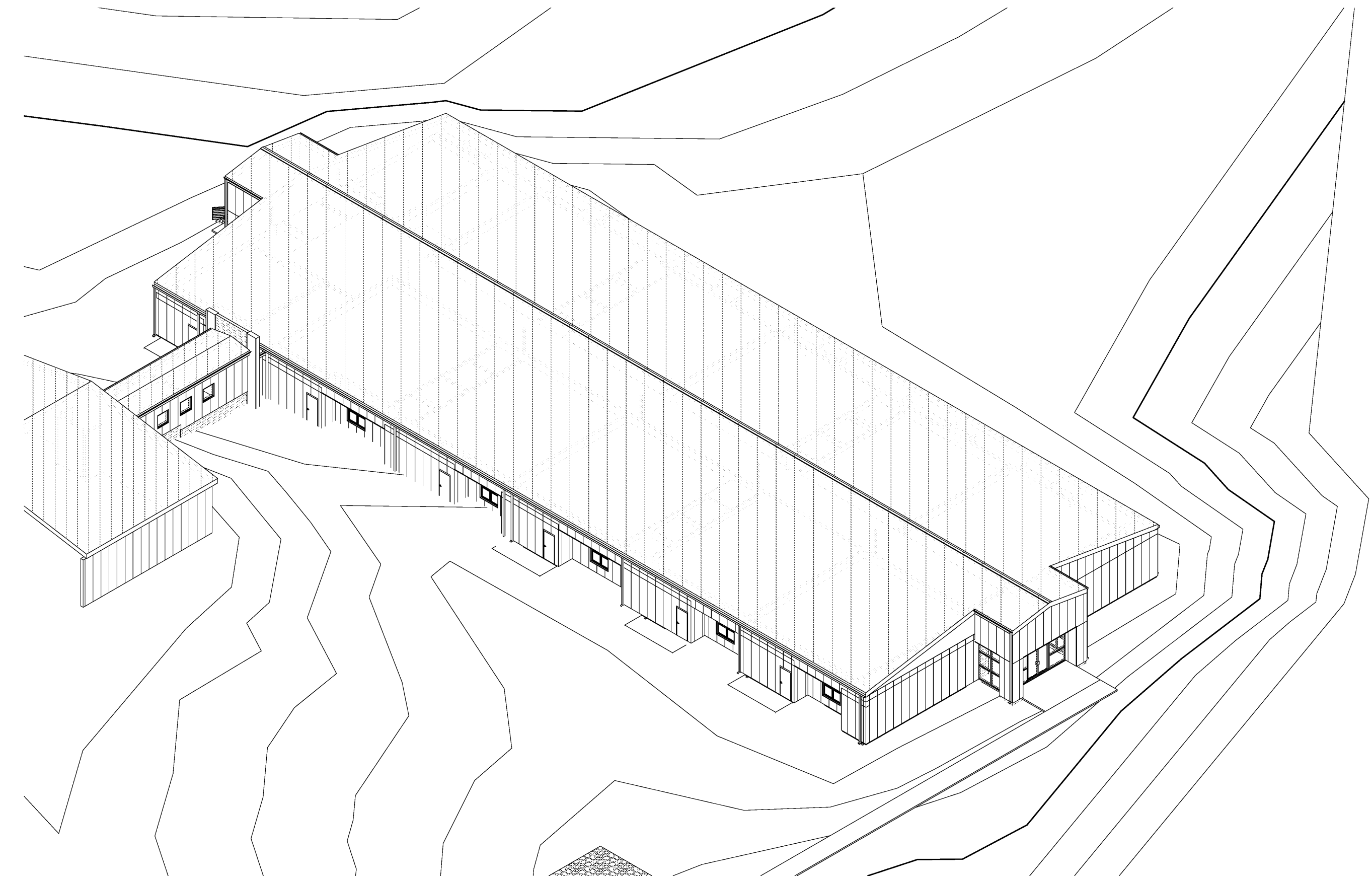
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③ 3D VIEW STRUCTURE ONLY

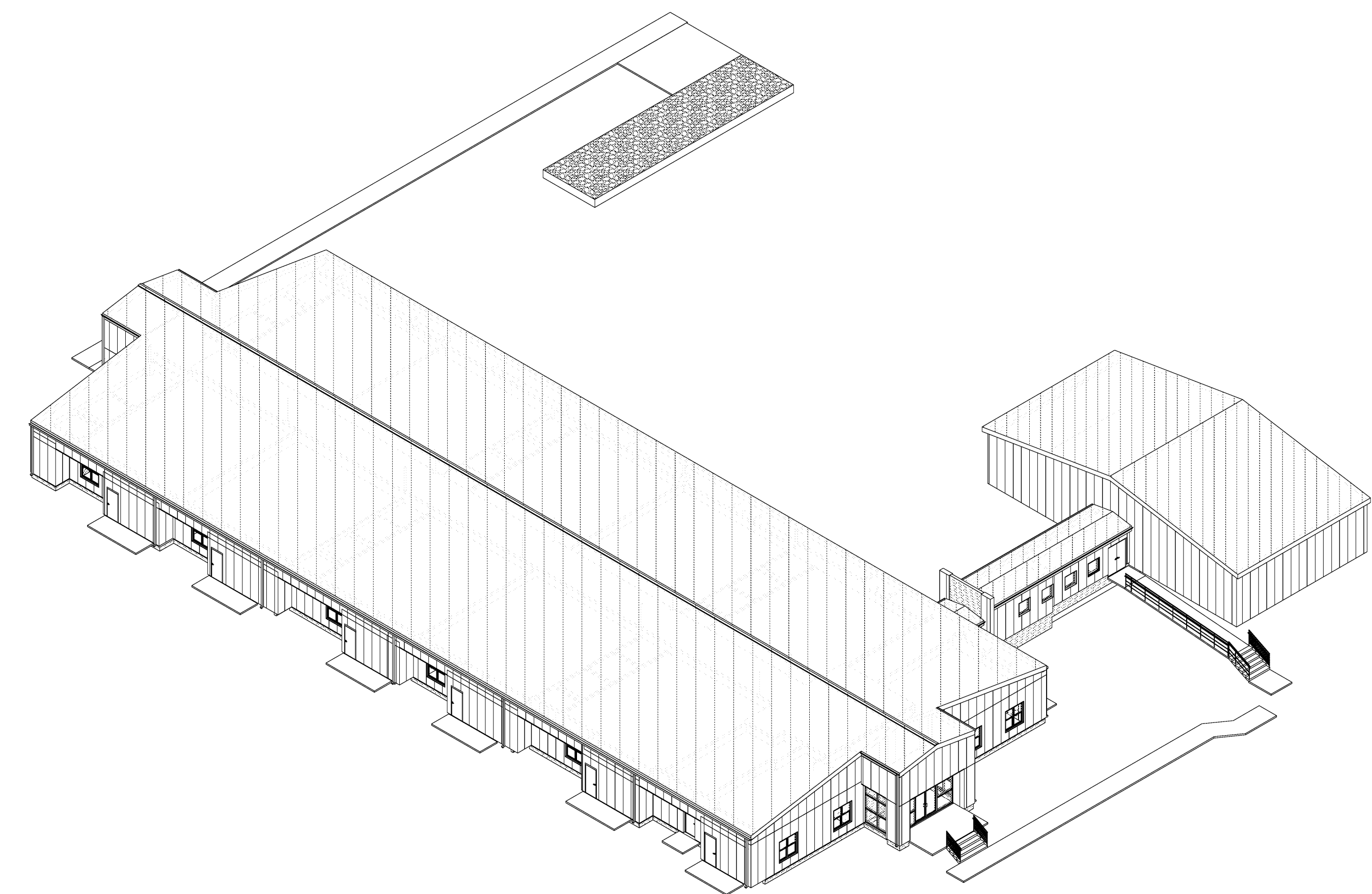


④ 3D VIEW WITH NO ROOF OR STRUCTURE

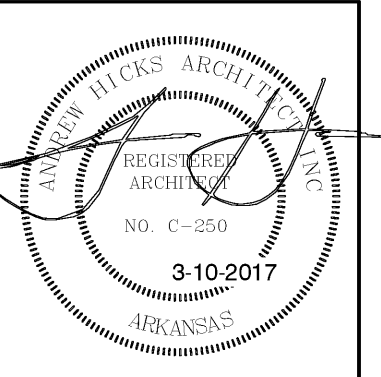


② 3D- FROM NORTHEAST

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① 3D- FROM SOUTHWEST



ARCHITECT OF RECORD
ANDREW F. HICKS

A NEW K-4 CLASSROOM BUILDING

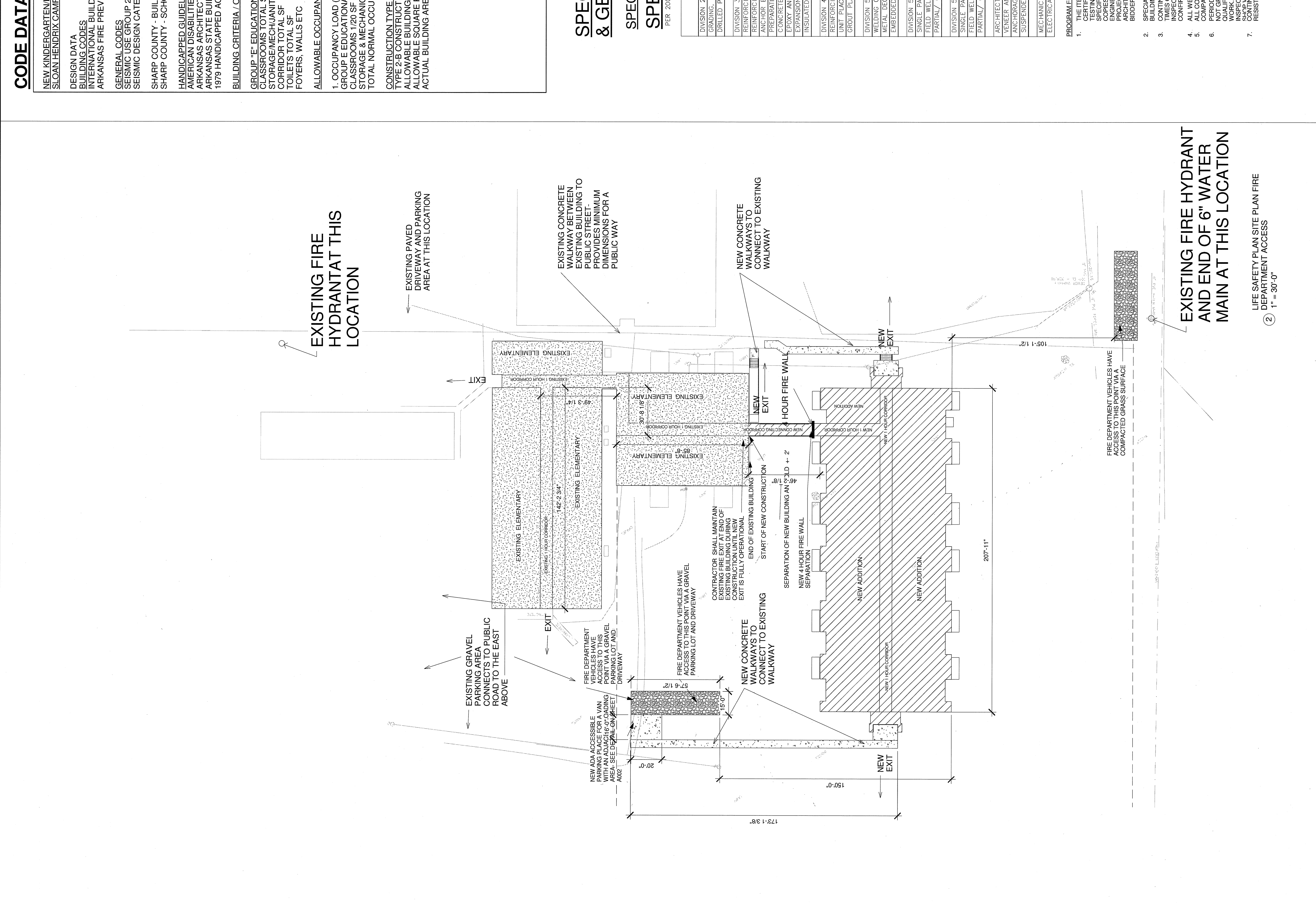
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3D PROJECT VIEWS



CODE DATA

NEW KINDERGARTEN/PRE-K CLASSROOM BUILDING
SLOAN HENDRIX CAMPUS

DESIGN DATA
INTERNATIONAL BUILDING CODE (IBC)
ARKANSAS FIRE PREVENTION CODE (AFPC)
2012 EDITION
2012 EDITION
2012 IBC
AFPC REVISIONS

GENERAL CODES
SEISMIC DESIGN CATEGORY 'C'
SHARP COUNTY - BUILDING LOCATION
SHARP COUNTY - SCHOOL DISTRICT MAIN OFFICE

HANDICAPPED GUIDELINES AND CODES
AMERICAN DISABILITIES ACT (ADA)
ARKANSAS ARCHITECTURAL BARRIERS
1979 HANICAPPED ACCESSIBILITY STANDARDS

BUILDING CRITERIA / OCCUPANCY CLASSIFICATION

GROUP 'E' EDUCATIONAL	17,463 SQUARE FEET TOTAL
STORIES TOTAL	7,612 SQUARE FEET
CORRIDOR TOTAL SF	1,939 SQUARE FEET
TOILETS TOTAL SF	814 SQUARE FEET
FOYERS, WALLS ETC	BALANCE

ALLOWABLE OCCUPANCY

1. OCCUPANCY (LOAD NORMAL)	873 PERSONS
GROUP 'E' EDUCATIONAL	2 PERSONS
STORAGE & MECHANICAL 1300	875 PERSONS
TOTAL NORMAL OCCUPANCY	

CONSTRUCTION TYPE CLASSIFICATION
TYPE 2-B CONSTRUCTION
ALLOWABLE BUILDING HEIGHT - 95'
ALLOWABLE SQUARE FOOTAGE - 14,500 SF
ACTUAL BUILDING AREA FROM EXTERIOR WALL FACE - 10,663 SF

SPECIAL AND STRUCTURAL INSPECTION PROGRAM & GENERAL NOTES

SPECIAL INSPECTION ITEMS

1. SPECIAL INSPECTION SHALL BE PROVIDED BY THE OWNER ACCORDING TO SECTION 1704 OF ARKANSAS FIRE PREVENTION CODE (IBC-2012). THE SPECIAL INSPECTOR SHALL OBSERVE THE CONSTRUCTION OF THE STRUCTURE TO VERIFY THAT THE DESIGN AND CONSTRUCTION OF THE STRUCTURE IS IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION OF THE STRUCTURE AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND AS SHOWN ON THE SPECIAL INSPECTION REPORT FOR CORRECTION. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE WORKSHIP PROVISIONS OF THE IBC. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING:
 - A. CONCRETE PLACEMENT
 - B. STEEL ERECTION
 - C. SHIELD WALLS

DESIGN CRITERIA

BUILDING CODE: 2012 ARKANSAS FIRE PREVENTION CODE, 2017 INTERNATIONAL BUILDING CODE.

GRAVITY LOADS: LEVEL LOADS: SLAB ON GRADE 60 PSF
ROOF: (DO NOT REDUCE) 20 PSF

DEAD LOADS: ACTUAL WEIGHT OF MATERIALS
LATERAL LOADS: METAL BUILDING 3 PSF

WIND: (REFERENCE: ASCE 7 - LATEST EDITION) 90 MPH
EXPOSURE: C

SEISMIC CRITERIA

HEREBY CERTIFY THAT THE STRUCTURAL PLANS SUBMITTED HERewith ARE DESIGNED WITH THE STRUCTURAL LOAD CARRYING ELEMENTS TO RESIST THE SEISMIC HAZARD EXPOSURE CATEGORY GROUP 1 AND THE STRUCTURE IS LOCATED IN ACCORDANCE WITH ARKANSAS ACT 1061 (88), AND AS AMENDED BY ACT 1488, 1989.

PEAK VELOCITY RELATE ACCELERATION.....R=0.8
SEISMIC HAZARD EXPOSURE GROUP.....GROUP 1
SEISMIC PERFORMANCE CATEGORY.....1B
BASIC STRUCTURAL SYSTEM & SEISMIC FORCE RESISTING SYSTEM BUILDING SHELL.....ORDINARY MOMENT FRAMES OF STEEL

RESPONSE MODIFICATION FACTOR.....R=4.5
DEFLECTION AMPLIFICATION FACTOR.....CD=1.0
ANALYSIS PROCEDURE.....EQUIVALENT LATERAL FORCE

NOTE: WIND GOVERNS LATERAL STABILITY DESIGN

STEPHEN M. YELENICH, ARKANSAS ENGINEERS LIC. #6469
SIGNATURE

PROGRAM FOOTNOTES:

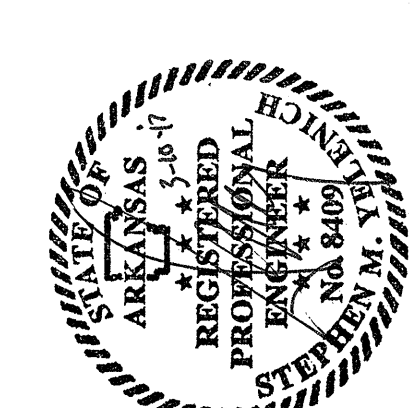
1. ALL WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH 2009 AWS D10.10. THE SPECIAL INSPECTOR SHALL OBSERVE THE WELDING OPERATIONS AND THE WELDS SHALL BE TESTED ULTIMATELY BY A QUALIFIED WELDER. THE WELDS SHALL BE TESTED ULTIMATELY BY A QUALIFIED WELDER. THE WELDS SHALL BE TESTED ULTIMATELY BY A QUALIFIED WELDER.
2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF ASTM A-706 REINFORCING STEEL ONLY. PERIODIC SPECIAL INSPECTION IS NOT REQUIRED FOR WELDING OF ALL OTHER STEEL MEMBERS. PERIODIC SPECIAL INSPECTION IS NOT REQUIRED FOR WELDING OF ALL OTHER STEEL MEMBERS.
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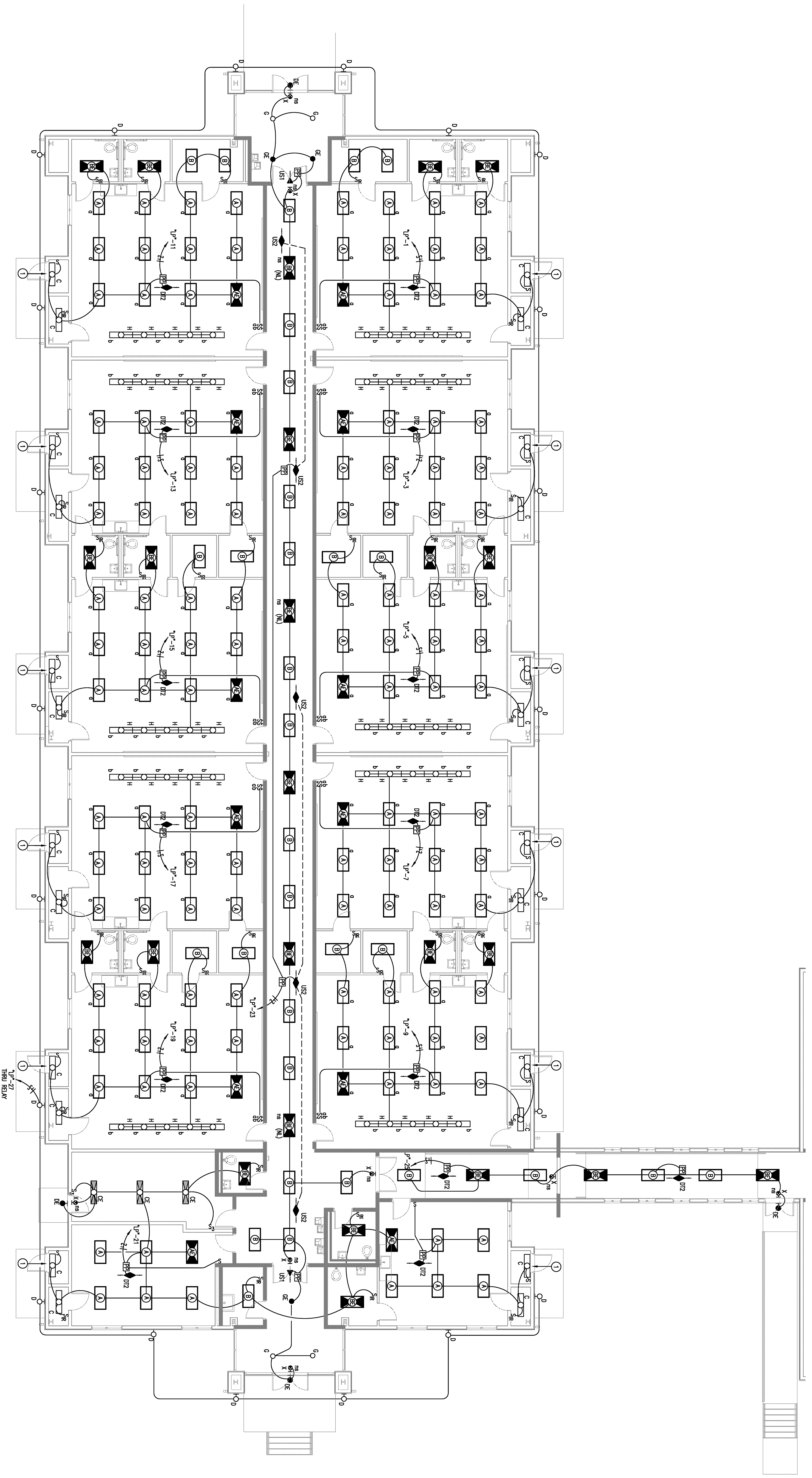
DATA-1

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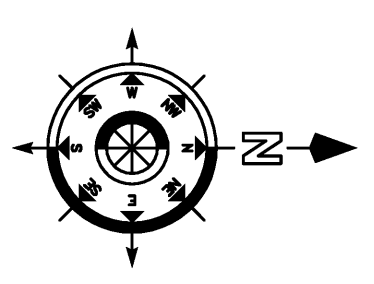
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CODE DATA



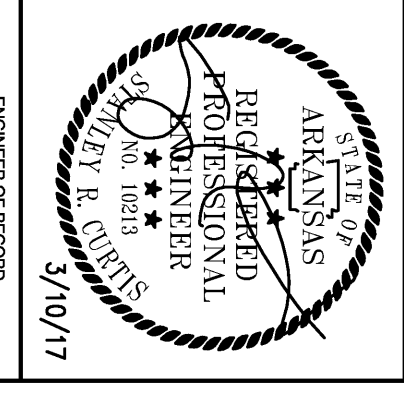


LIGHTING PLAN
SCALE: 1/8" = 1'-0"

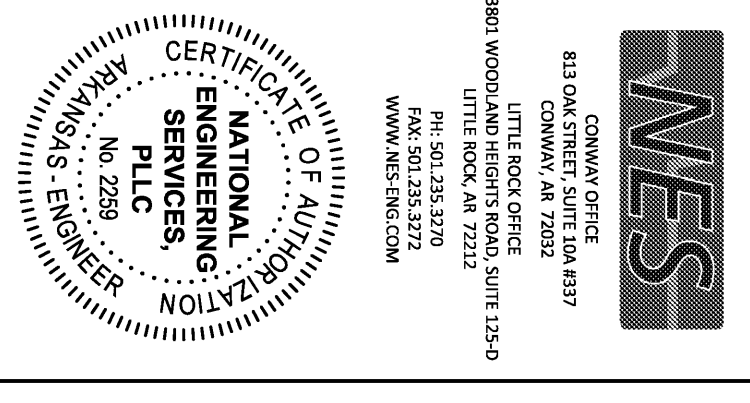


- GENERAL NOTES:**
- RAIN A SEPARATE HOT CONDUCTOR TO THE CHARGING CIRCUIT OF ALL SWITCHED EMERGENCY LIGHTING FIXTURES.
 - REFERENCE SHEET E1.1 FOR SYMBOLS, LEGEND AND SHEET E1.2 FOR PANELBOARD SCHEDULES.
 - EXIT AND NIGHT LIGHTING FIXTURES (NL) ARE TO BE DISCOUNTED.
 - COORDINATE LOCATION OF BUILDING MOUNTED AREA LIGHTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO WORKING. ALL EXTERIOR LIGHTING TO BE ROUTED THRU RELAY AND PHOTOCELL FOR AUTOMATIC CONTROL.

- KEYED NOTES:**
- ⓂOUNT TYPE "C" LIGHT FIXTURE DIRECTLY OVER DOOR OF HALL CLOSET.
 - ⓂOUNT TYPE "C" LIGHT FIXTURE DIRECTLY OVER EQUIPMENT IN ROOM AND ADJUST ACCORDINGLY.



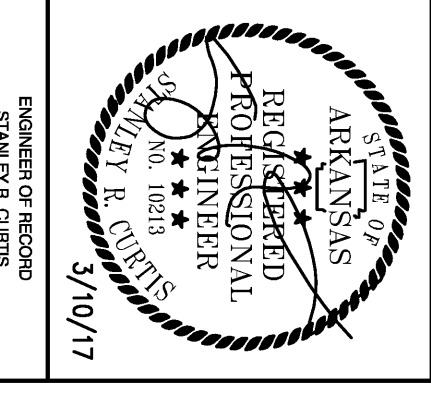
A NEW K-4 CLASSROOM BUILDING
FOR
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SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS



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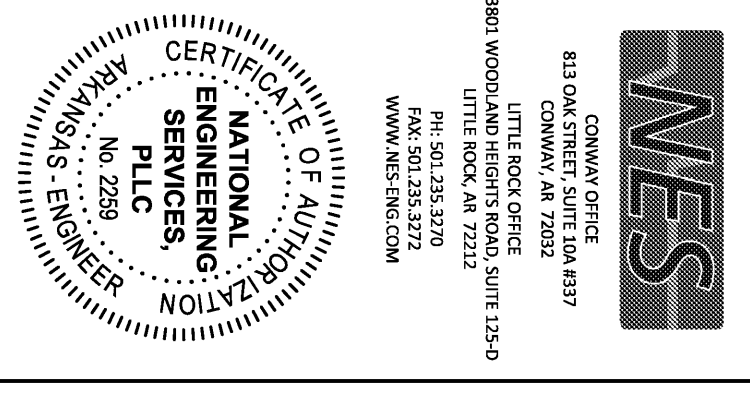
FLOOR PLAN - LIGHTING

E2.1



A NEW K-4 CLASSROOM BUILDING

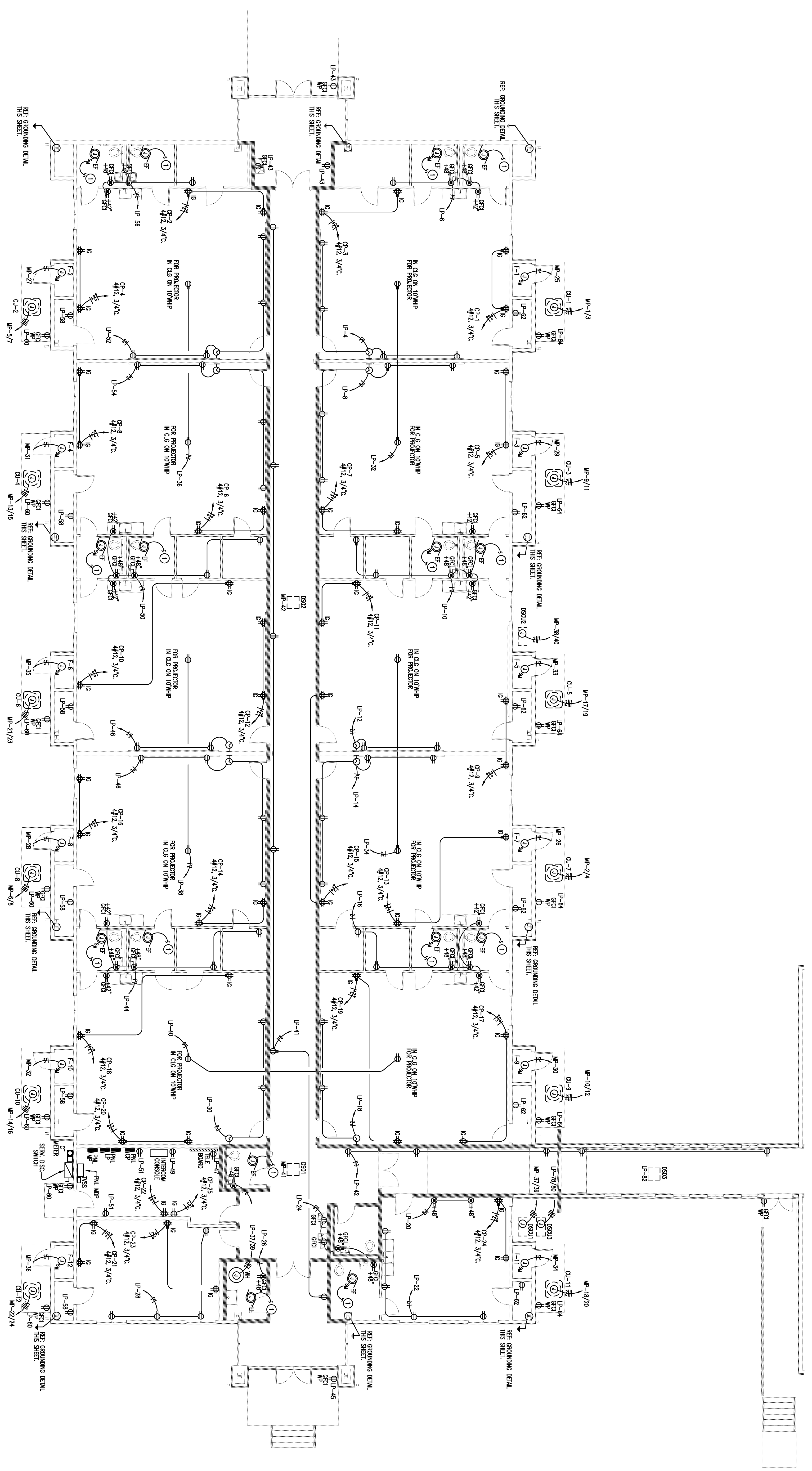
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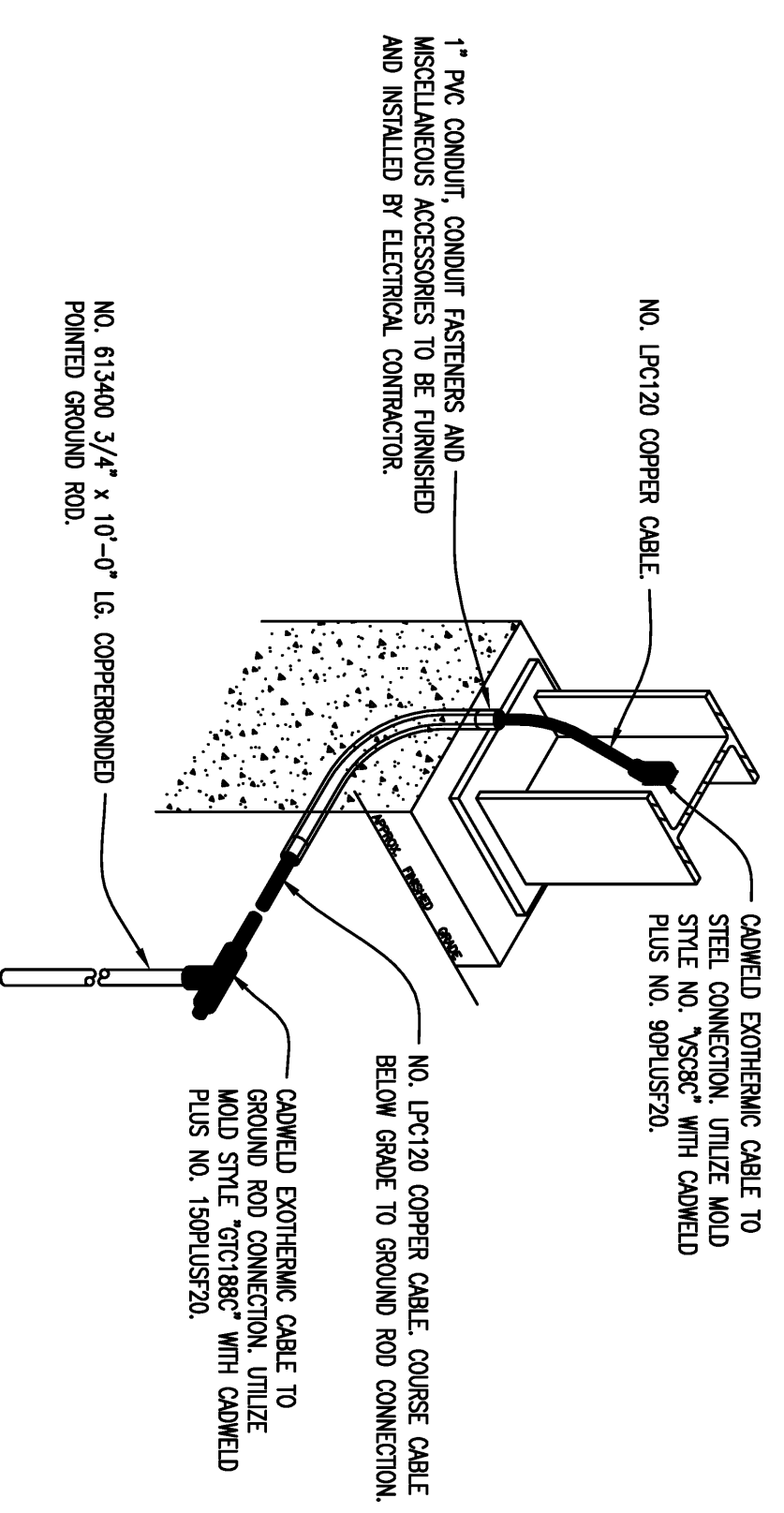
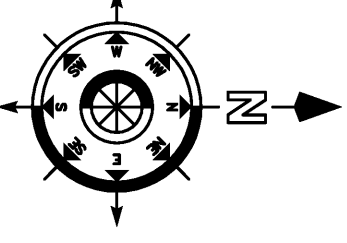
FLOOR PLAN - GENERAL POWER

E3.1



POWER PLAN

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



STEEL COLUMN BOND TO GROUNDING CONNECTION

NOT TO SCALE

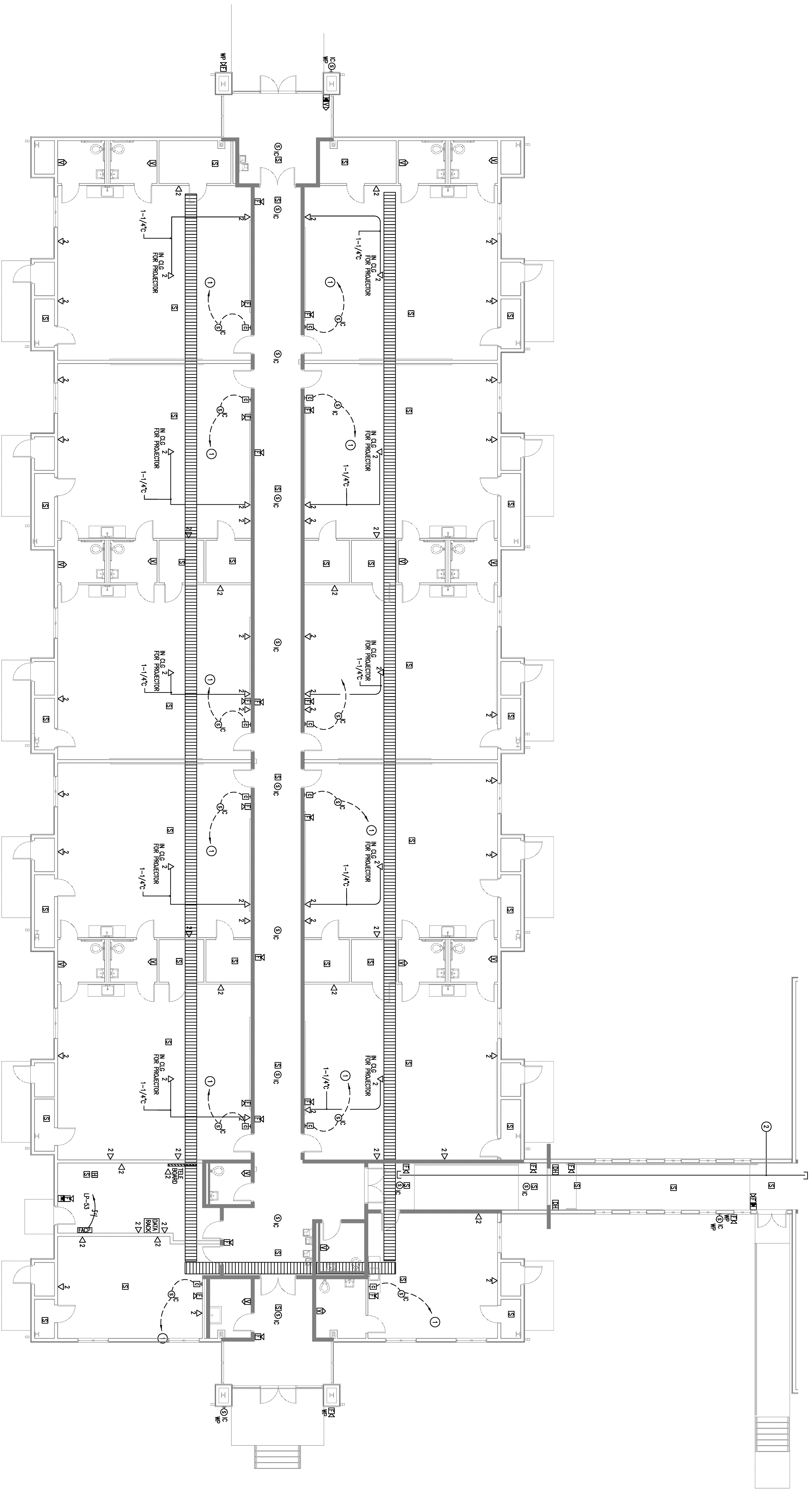
NOTE: GROUND BOSS SHALL BE BORED TO A MINIMUM DEPTH OF 10'-0\"/>

GENERAL NOTES:

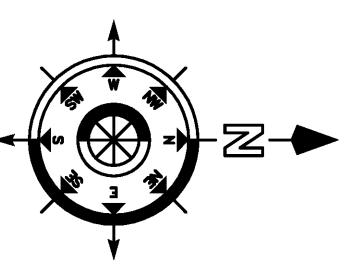
- COORDINATE ALL ABOVE CALLOUTS WITH MECHANICAL PLANS TO INDICATE TO BEING PROPER LOCATIONS.
- REFER TO SHEET E3.1 FOR SWITCHES (E3.2) AND SHEET E3.2 FOR PANELBOARD SCHEDULES.
- COORDINATE REQUIREMENTS FOR ALL EQUIPMENT PROVIDED BY OTHERS. ENSURE ALL SYSTEMS ARE OBTAINABLE.
- PROVIDE RAY AND CONDUIT TO ACCESSIBLE LOCATION ABOVE CEILING FOR 1-SHM LOCATIONS INDICATED ON MECHANICAL PLANS.
- COORDINATE LOCATION OF ALL CONTROL POWER TRANSFORMERS REQUIRING 120V INPUT FROM MECHANICAL CONTRACTOR AND CIRCUIT TO NEAREST 120V OUTLET.
- PROVIDE MINIMUM CLEARANCE OF 3\"/>

KEYED NOTES:

- Ⓛ POWER PANS TO BE INTERCONNECTED TO CONTACTOR SENSOR AND ROOM LIGHTING CIRCUIT FOR 120V CONTROL BASED UPON OCCUPANCY.



LOW VOLTAGE PLAN SCALE: 1/8" = 1'-0"

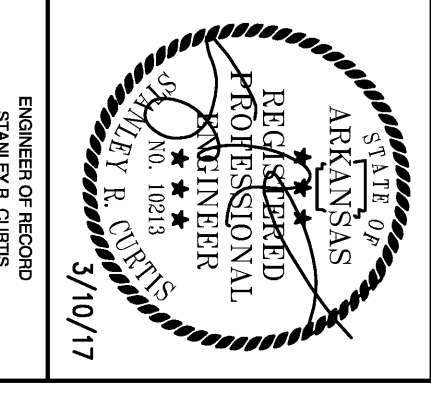


GENERAL NOTES:

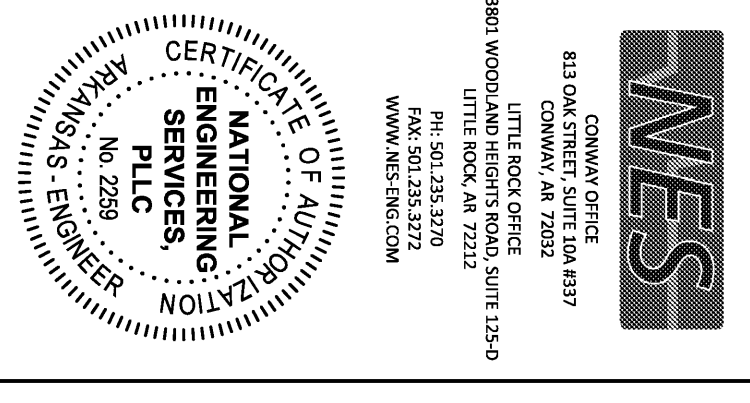
- A. FIRE ALARM DEVICES TO BE MOUNTED IN ACCORDANCE WITH THE IFC AND AHJ/ASDAS STATE FIRE PREVENTION CODE.
- B. MOUNT CLASSROOM CALL STRIKING 44" TO BOTTOM OF BOX. PROVIDE TELEPHONE JACK AND OUTLINE AS INDICATED ON INTERCOM DETAIL ON SHEET ES.1.
- C. ALL DEVICE OUTLET BOXES MOUNTED IN BLOCK WALL SHALL BE RECESSED WITH CONDUITS ENTERING FROM TOP OF BOX. COORDINATE WITH OTHER TRADES.
- D. COORDINATE LOCATION AND QUANTITY OF DOOR HOLD OPENERS WITH ARCHITECTS HARDWARE SCHEDULE. POWER AND CONTROL AS REQUIRED.

KEYED NOTES:

- ① ROUTE LOW VOLTAGE WIRE RUN TO INTERCOM MASTER PANEL, COMPONENT CONSOLE EXACT LOCATION WITH SCHOOL OFFICIALS. REFER INTERCOM DETAIL ON SHEET ES.1.
- ② PROVIDE (4) 2" C. BETWEEN EXISTING SCHOOL BUILDING AND CABLE TRAY FOR ROUTING DATA, FIBER OPTIC, TELEPHONE AND FUTURE CABLEING. FIRE PROOF AS REQUIRED.
- ③ PROVIDE CONNECTION TO FIBER/OPTIC DUCTWORK AS REQUIRED BY CODE. SEE MECHANICAL PLANS FOR DUCTWORK LOCATION.

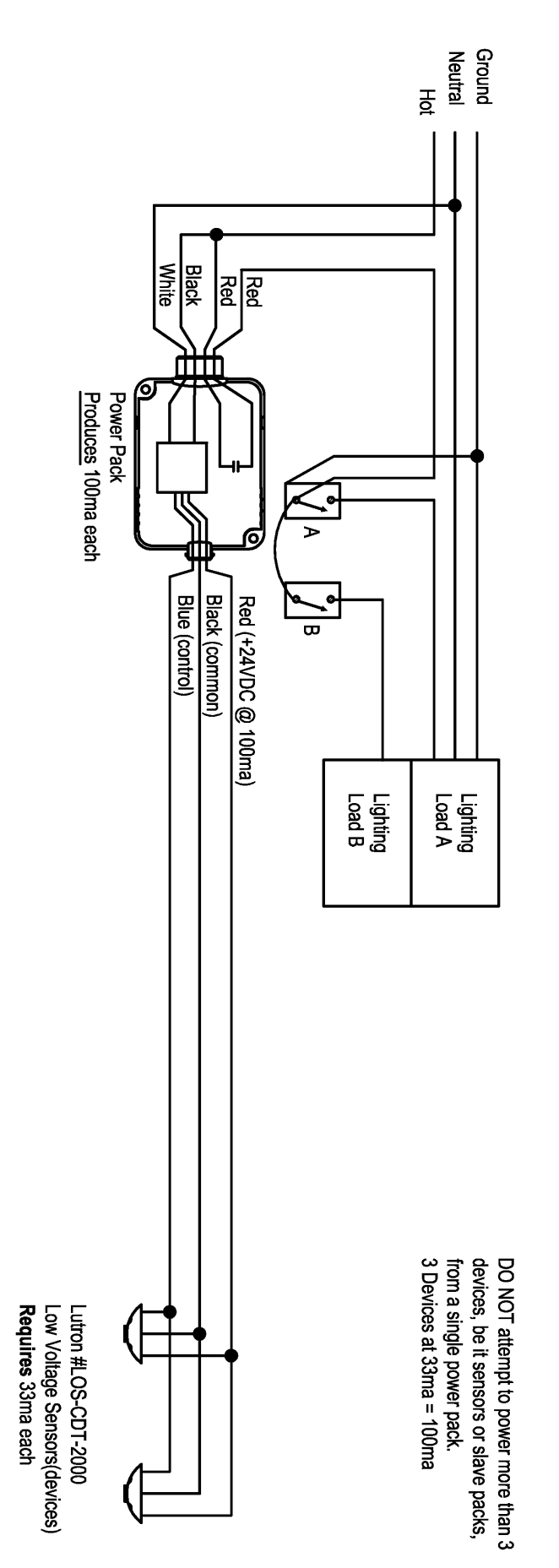


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 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS



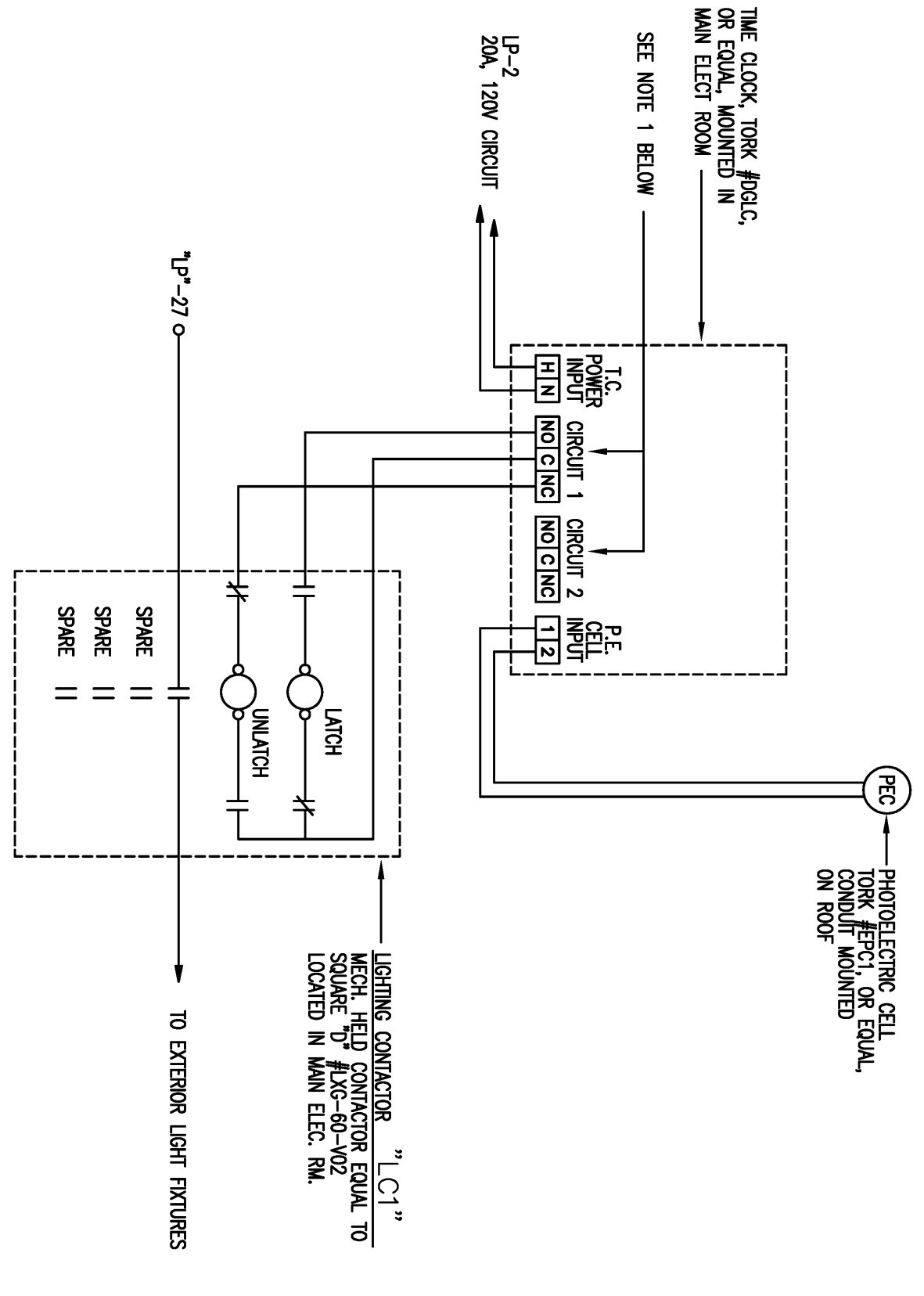
ISSUE DATE	3-10-2017
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FLOOR PLAN - LOW VOLTAGE



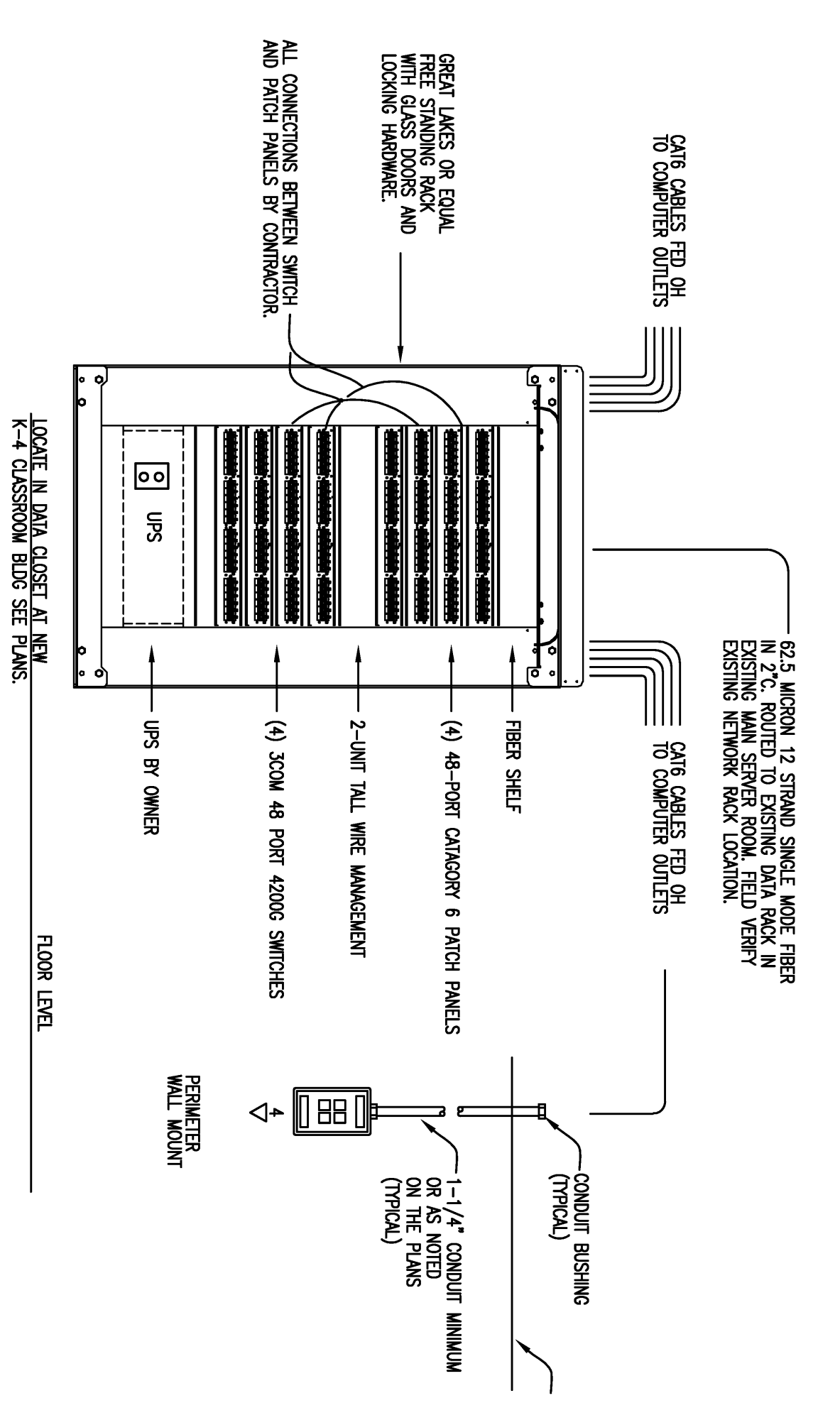
OCCUPANCY WIRING DETAIL

SCALE: NONE



ISOLATED GROUND DETAIL

SCALE: NONE



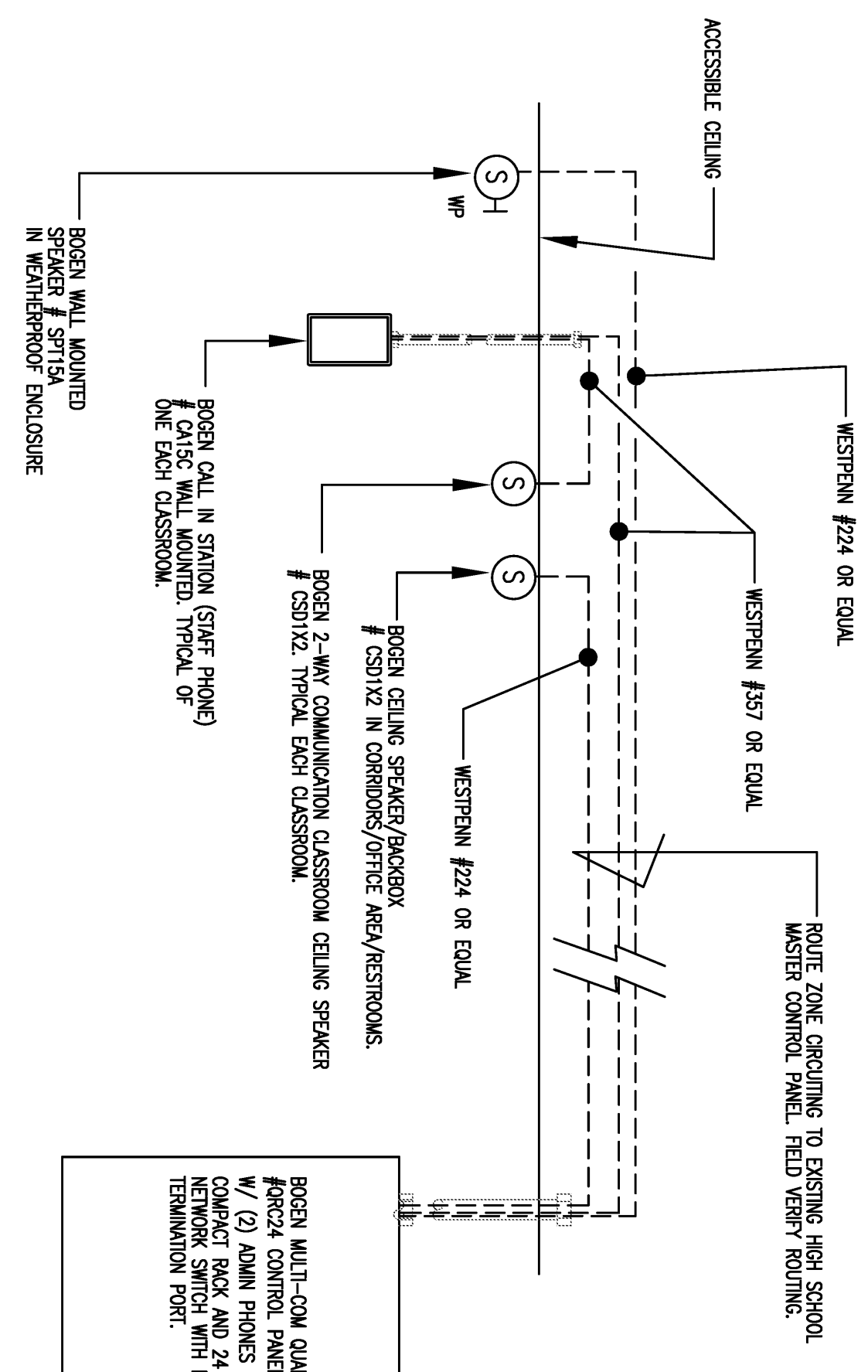
DATA/RACK DETAIL

SCALE: NONE

NOTE:
1. THE CLOCK CIRCUIT #1 PROVIDES (PHOTO BY / THE OFF) OPERATION. CIRCUIT #2 PROVIDES (PHOTO BY / THE CLOCK OFF) OPERATION. VERIFY DESIRED OPERATION WITH OWNER.

EXTERIOR LIGHTING CONTROL

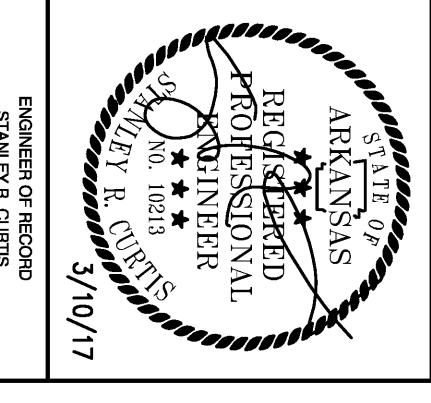
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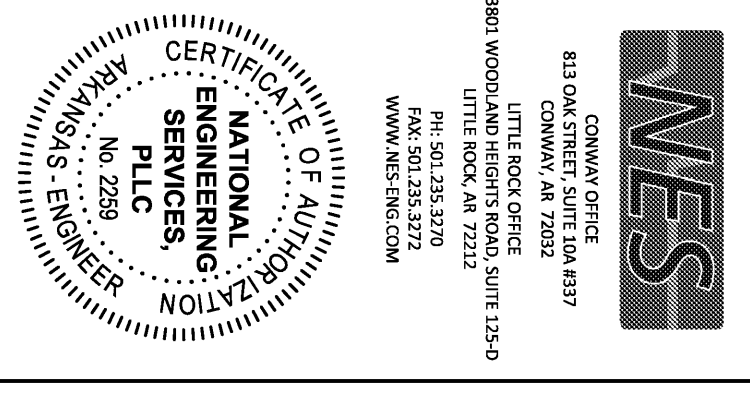
INTERCOM SYSTEM DETAIL

SCALE: NONE

- NOTE:
- THE ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL EQUIPMENT SPECIFIED ABOVE IN THE DRAWINGS SHOWN. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE CODES. THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH OWNER WHICH NUMBER OF WAYS (IE BY CLASSROOM, BY RECEPTION, ETC.) PRIOR TO INSTALLATION. OWNERS MAY BE SERVICED BY ANY AT THE RACK SHALL BE CLEARLY LABELED AND ADDRESSED PER OWNER'S DIRECTION.
 - CLOSELY COORDINATE EQUIPMENT SELECTION WITH SCHOOL ADMINISTRATOR PRIOR TO GO TO ENSURE THAT THE CORRECT EQUIPMENT MAKE AND MODEL ARE COMPATIBLE WITH SCHOOL SYSTEMS.
 - PROVIDE FIBER PART FOR CONNECTION AT BOTH EXISTING SCHOOL DATA RACK AND NEW RACK.
 - ALL CABLES, TERMINATIONS, TESTING AND LABELING BETWEEN ZONE AND DATA SWITCH ARE THE RESPONSIBILITY OF THE BIDDING CONTRACTOR. PROVIDE COMPLETE.



A NEW K-4 CLASSROOM BUILDING
FOR
SLOAN HENDRIX SCHOOL DISTRICT
SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS



ISSUE DATE	3/10/2017
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ELECTRICAL DETAILS

ABBREVIATIONS

1) ALL ABBREVIATIONS SHOWN MAY NOT BE APPLICABLE TO THIS PROJECT.
2) REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT DESIGNATIONS.
3) REFER TO PIPING DESIGNATIONS AND TYPES FOR PIPE ABBREVIATIONS.

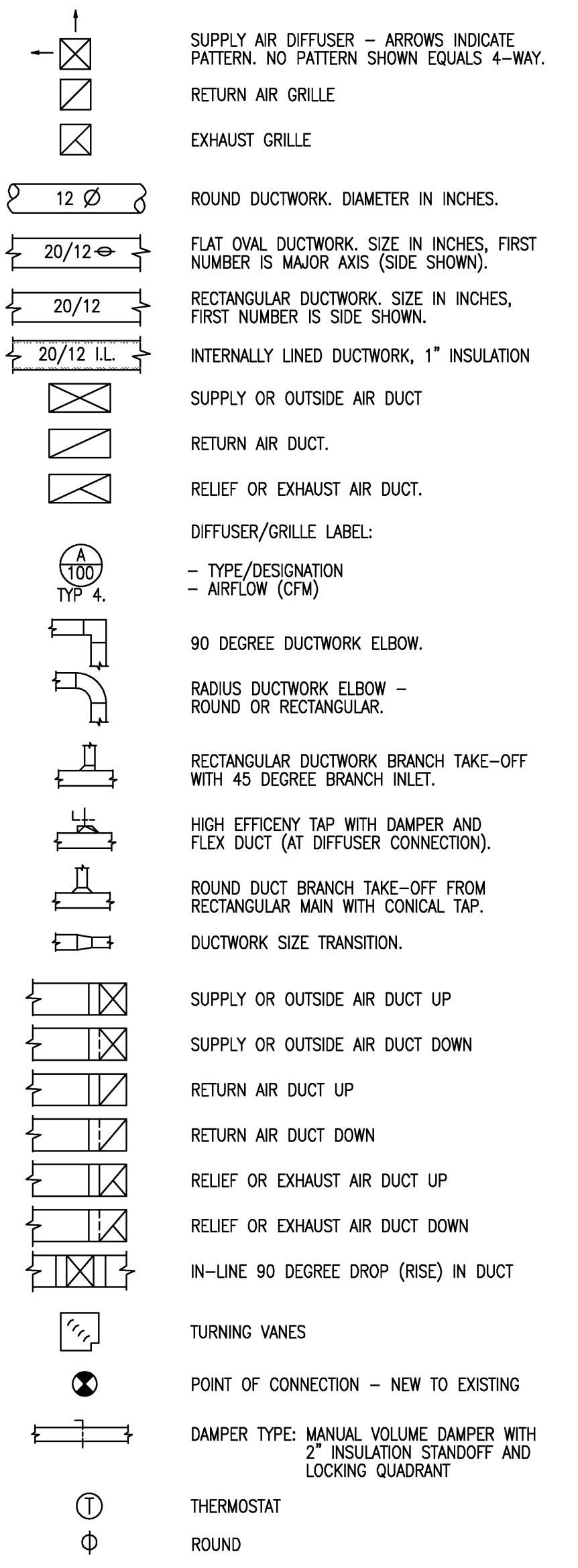
A	ABV ABOVE FINISHED FLOOR AFF ABOVE FINISHED GRADE AMP AMPERS ANSI AMERICAN NAT'L STANDARDS INSTITUTE APD AIR PRESSURE DROP ARCH ARCHITECT, ARCHITECTURAL ARI AIR CONDITIONING & REFRIG INSTITUTE ASTM AMERICAN SOCIETY OF TESTING & MATLS AUX AUXILIARY AWG AMERICAN WIRE GAUGES AWW AMERICAN WATER WORKS ASSOC.	L LENGTH LAT LEAVING AIR TEMPERATURE LBS # POUNDS LBR LEAVING DRY BULB LF LINEAR FEET LP LOW PRESSURE LRA LOCKED ROTOR AMPS LTC LIGHTING LWB LEAVING WET BULB LWT LEAVING WATER TEMPERATURE
B	BLDG BUILDING BD BOTTOM OF DUCT BOP BOTTOM OF PIPE BOS BOTTOM OF STRUCTURE BTU BRITISH THERMAL UNIT	M MAX MAXIMUM METU MBH 1000 BTU PER HOUR MCA MECHANICAL CIRCUIT AMPACITY MCA MECHANICAL MFR MANUFACTURER MOCP MAXIMUM OVER CURRENT PROTECTION MH MANHOLE, METAL HALIDE
C	CONN CONNECT, CONNECTION CFM CUBIC FEET PER MINUTE CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND CIRC CIRCULATING CLG CLEANOUT CLG CLEANOUT COTG CLEANOUT TO GRADE CU COPPER CW COLD WATER	N N/A NOT APPLICABLE NC NOISE CRITERIA, NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NEMA NATIONAL ELECTRICAL MFR'S ASSOC. NFA NATIONAL FIRE PROTECTION ASSOC. NTS NOT TO SCALE
D	DB DRY BULB DEG DEGREES DESIG DESIGNATION DIA (OR Ø) DIAMETER DIM DIMENSION DISC DISCONNECT DN DOWN DX DIRECT EXPANSION	O OA OUTSIDE AIR OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER OH OVERHEAD
E	EA EACH EAT ENTERING AIR TEMPERATURE EDB ENTERING DRY BULB EXH EXHAUST AIR ESP EXTERNAL STATIC PRESSURE EWC ELECTRICAL WATER COOLER EXH EXHAUST	P PD PRESSURE DROP PNL PANEL PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE
F	FA FIRE ALARM FACP FIRE ALARM CONTROL PANEL FCO FLOOR CLEANOUT	Q QTY QUANTITY
G	FLA FULL LOAD AMPS FLEX FLEXIBLE FPM FEET PER MINUTE FT FOOT, FEET F DEGREES FAHRENHEIT	R RA RETURN AIR RCP REFLECTED CEILING PLAN RENF REINFORCING, REINFORCED REQD REQUIRED RH RELATIVE HUMIDITY RLA RUNNING LOAD AMPS RPM REVOLUTIONS PER MINUTE
H	GRND GROUND GC GENERAL CONTRACTOR GFI GFCI GPH GALLONS PER HOUR GPM GALLONS PER MINUTE	S SA SUPPLY AIR SF SQUARE FEET, SQUARE FOOT SP SHEET METAL & A/C CONT. NAT'L ASSOC. SP STATIC PRESSURE SPEC SPECIFICATION SQ SQUARE SS STAINLESS STEEL, SANITARY SEWER STANDARD STD STANDARD
I	ID INSIDE DIAMETER IE INVERT ELEVATION IN INCH, INCHES IN WC INCHES OF WATER COLUMN	T THRU THROUGH TP TOTAL PRESSURE TSP TOTAL STATIC PRESSURE TSTAT THERMOSTAT TYP TYPICAL
J	J-BOX JUNCTION BOX	U U/G UNDERGROUND U/S UNDER SLAB UL UNDERWRITERS LABORATORIES, INC.
K	KW KILOWATTS KWH KILOWATT-HOUR	V V VOLT VA VOLT-AMPERE VAC VACUUM VERT VERTICAL VTR VENT THROUGH ROOF
		W W WATT, WIDTH W WITH W/O WITHOUT WB WET BULB WC WATER COLUMN WPD WATER PRESSURE DROP WT WATERTIGHT, WEIGHT
		X XFMR TRANSFORMER

GENERAL NOTES

1) REFER TO DRAWINGS AND PROJECT SPECIFICATIONS FOR ADDITIONAL PROJECT INFORMATION AND REQUIREMENTS.
2) REFER TO GENERAL NOTES FOR OTHER DISCIPLINES FOR ADDITIONAL PROJECT INFORMATION AND REQUIREMENTS.
3) NOTIFY ENGINEER OF CONFLICTS BETWEEN REQUIREMENTS OF THESE NOTES, DWGS, SPECS, AND FIELD CONDITIONS.

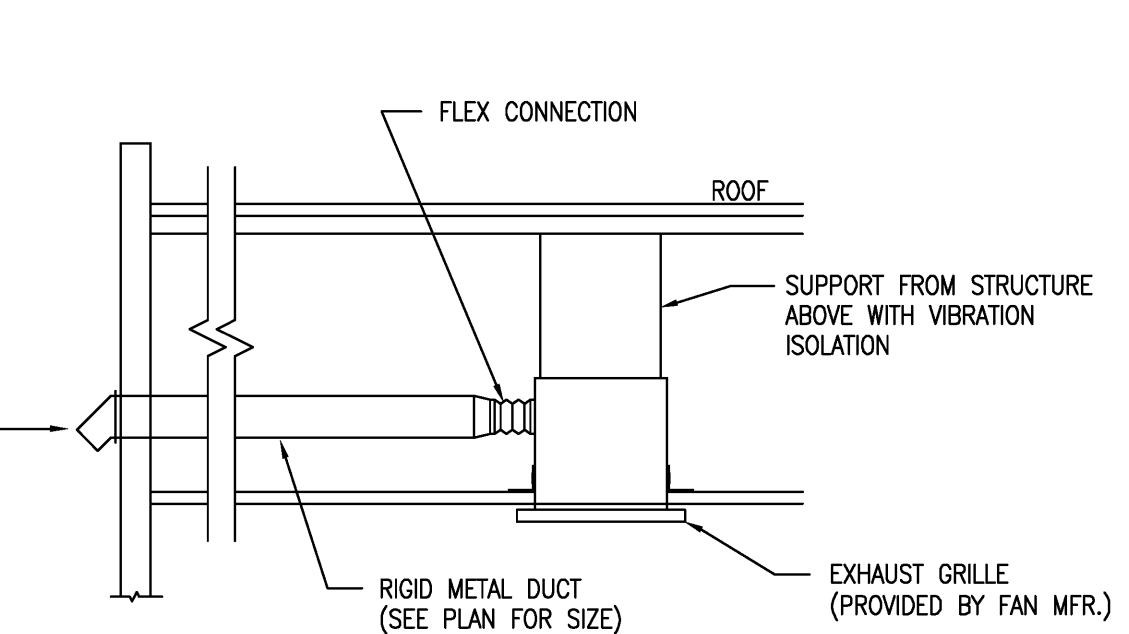
1. ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF LOCAL CODES AND ORDINANCES. WHERE INSPECTIONS ARE REQUIRED BY AUTHORITIES HAVING JURISDICTION, WORK MUST NOT BE CONCEALED UNTIL INSPECTIONS AND TESTING ARE COMPLETED AND ACCEPTED.
2. PRIOR TO BID, CONTRACTOR MUST BECOME THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THE GENERAL NOTES AS WELL AS ALL OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS. VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY DUCT, PIPE, OR EQUIPMENT FABRICATION. SYSTEMS MUST BE ERCTED USING CONTRACTOR'S FIELD MEASUREMENTS FOR COORDINATION WITH EQUIPMENT, STRUCTURE, FIRE PROTECTION, AND ELECTRICAL CONDITIONS IN THE SPACE.
3. ALL CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY SET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE DRAWINGS.
4. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, MUST BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
5. EXCEPT WHERE INDICATED OTHERWISE, THE NOTATION OR DESCRIPTION OF ANY ITEM IN THE CONTRACT DOCUMENTS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED.
6. ALL SYSTEMS INSTALLATION MUST MAINTAIN INTEGRITY OF WALLS, PARTITIONS AND FLOORS DESIGNATED AS EITHER FIRE RATED OR "SMOKE TIGHT". SEAL AROUND ALL PENETRATIONS THROUGH RATED OR SMOKE TIGHT ASSEMBLIES. COORDINATE W/ARCHITECTURAL PLANS AND GENERAL CONTRACTOR.
7. COORDINATE PLACEMENT OF ALL MECHANICAL RELATED EQUIPMENT AND DEVICES WITH OTHER TRADES. DO NOT POSITION OR INSTALL ANY MECHANICAL EQUIP. OR DEVICES IN ANY SYSTEM IN SUCH A WAY THAT IT WILL BE INACCESSIBLE OR UNMAINTAINABLE AFTER CONSTRUCTION IS COMPLETED. PROVIDE DUCT ACCESS DOORS AT FAN DAMPERS, ETC.
8. NO OTHER TRADES ARE ALLOWED TO BE SUPPORTED FROM MATERIALS, EQUIPMENT OR DEVICES INSTALLED BY THE MECHANICAL TRADES. UNLESS ALL WORK INSTALLED BY THE MECHANICAL TRADES MUST BE SUPPORTED FROM THE STRUCTURE ABOVE, FROM WALLS, OR FROM THE FLOOR UNLESS OTHERWISE INDICATED.
9. HOUSEKEEPING PADS: EXCEPT WHERE STRUCTURAL EQUIPMENT SUPPORT PADS ARE CALLED FOR ON THE PLANS, PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL GROUND AND/OR FLOOR MOUNTED EQUIPMENT. UNLESS OTHERWISE INDICATED, PADS MUST BE A MINIMUM OF 4 INCHES THICK WITH CHAMFERED EDGES. WHERE PADS ARE INSTALLED ON CONCRETE FLOORS, DOWEL RODS PENETRATING INTO BOTH THE PAD AND THE SUPPORTING FLOOR (MINIMUM OF FOUR RODS PER PAD) MUST BE USED TO ANCHOR PADS IN POSITION.
10. REPLACE OR REPAIR ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK. REPAIR OR REPLACEMENT MUST, AS A MINIMUM, EQUAL ORIGINAL CONDITION. SPECIAL CARE MUST BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE MUST BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER, COMPLY WITH BONDING REQUIREMENTS OF THE ROOFING MANUFACTURER.
11. ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. WHICH ARE TO BE INSTALLED MUST BE INSTALLED IN CONDUIT UNLESS OTHERWISE INDICATED. ALL SUCH INSTALLATIONS MUST MEET NFPA AND NEC REQUIREMENTS, AND LOCAL CODES.
12. SEAL ALL ROOF AND WALL PENETRATIONS. FLASH AND COUNTER-FLASH ALL ROOF PENETRATIONS. MINIMUM ACCEPTABLE HEIGHT OF FLASHING IS TWELVE (12) INCHES ABOVE ROOF.
13. ALL MECHANICAL WORK MUST BE INSTALLED AS HIGH AS POSSIBLE SO AS TO MAINTAIN THE MAXIMUM POSSIBLE CLEARANCE ABOVE FINISHED FLOOR.
14. CEILING MOUNTED SPRINKLER, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL AIR DEVICE LOCATIONS.
15. FABRICATION AND INSTALLATION OF HVAC WORK IS TO COMPLY WITH SMACNA AND ALL APPLICABLE CODES.
16. HVAC DUCTWORK SHALL BE PRESSURE TESTED TO A SMACNA CLASS 2 INCH PRESSURE CLASS AND DUCTS SHALL BE SEALED TO SMACNA CLASS A.
17. DUCT SIZES SHOWN ON PLANS INDICATE MINIMUM REQUIRED CLEAR INSIDE DIMENSIONS. ADJUST DUCT SIZES FOR LNER THICKNESS WHERE APPLICABLE OR WHERE SHOWN. SEE NOTES AND/OR SPECIFICATIONS FOR INSULATION TYPE AND STANDARDS.
18. PROVIDE FLEXIBLE CONNECTIONS ON DUCT INLET AND OUTLET CONNECTIONS TO ALL FURNACE UNITS AND EXHAUST FANS.
19. PROVIDE DUCT TRANSITIONS AS REQUIRED AT EQUIPMENT AND DEVICE CONNECTIONS WHERE DUCT SIZES INDICATED DIFFER FROM THE DUCT CONNECTION SIZE OR DUCT COLLAR.
20. PROVIDE TURNING VANES AT ALL 90 DEGREE ELBOWS INSTALLED TANGENT TO THE AIR STREAM. WHERE DUCT DIMENSIONS REQUIRE TURNING VANES TO BE 24 INCHES OR GREATER IN LENGTH, THE TURNING VANES MUST BE DOUBLE THICKNESS.
21. MAINTAIN MINIMUM CLEAR DISTANCE OF 10'-0" BETWEEN PARAPET WALL AND ALL ROOF MOUNTED MECHANICAL EQUIPMENT (FANS, RTU'S, CONDENSERS, ETC.). MAINTAIN A CLEAR DISTANCE OF 10'-0" MINIMUM BETWEEN PARAPET WALL AND FLUES FROM GAS BURNING EQUIPMENT. OFFSET DUCTS AND FLUES BELOW ROOF AS REQUIRED TO ACCOMPLISH THESE CLEARANCES.
22. MAINTAIN A MINIMUM OF 15'-0" BETWEEN ALL FRESH AIR INTAKES AND PLUMBING VENTS, EXHAUST FAN DISCHARGE, FLUES, ETC. COORDINATE WITH ALL OTHER CONTRACTORS ON SITE.
23. ALL DUCTS MUST BE MOUNTED AS HIGH AS POSSIBLE EXCEPT AS REQUIRED TO AVOID CONFLICTS WITH INTERSECTING DUCTS. DIAGONALLY OFFSET ALL DUCTS IMMEDIATELY BEFORE AND AFTER PASSING UNDER INTERSECTING DUCTS OR LARGE STRUCTURAL MEMBERS TO MAINTAIN MAXIMUM HEIGHT ABOVE FINISHED FLOOR (AFF).
24. COORDINATE FINAL PLACEMENT OF ALL THERMOSTATS WITH WALL MOUNTED DEVICES AND OWNER'S REPRESENTATIVE. MOUNT THERMOSTATS AT 54" AFF. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL MUST BE MOUNTED ON AN INSULATED PAD.
25. PROVIDE ACCESS DOORS AT ALL DUCTS, EQUIPMENT, COILS, ETC. WHERE NOT DIRECTLY ACCESSIBLE THROUGH AIR DEVICES OR REMOVABLE CEILING GRID, OR BEHIND CHASE WALLS. MINIMUM SIZE SHALL BE 18" x 18" UNLESS NOTED OTHERWISE. COORDINATE WITH GENERAL CONTRACTOR, OWNER'S REPRESENTATIVE, AND ARCHITECT.
26. BALANCE MECHANICAL SYSTEMS TO PROVIDE INDICATED FLOWS. SEE SPECIFICATIONS FOR OTHER TEST AND BALANCE REQUIREMENTS. SUBMIT FINAL BALANCE REPORT OF MECHANICAL SYSTEMS (FLOW AND TEMPERATURE) FOR REVIEW.
27. ALL PIPE LENGTHS, UNIT OR DEVICE COUNTS SHOWN ON THE PLANS ARE INDICATED ONLY FOR THE PURPOSES OF ASSISTING THE PLAN CHECK PROCESS OF THE LOCAL AUTHORITIES FOR THE PURPOSE OF OBTAINING A CONSTRUCTION PERMIT. SUCH QUANTITIES ARE NOT INTENDED FOR USE BY THE CONTRACTOR AS A SUBSTITUTE FOR PERFORMING AN ACTUAL MATERIALS TAKEOFF FOR BID PURPOSES. NO EXTRAS ARE ALLOWED FOR FAILURE ON THE CONTRACTOR'S PART TO PERFORM A PROPER AND COMPLETE MATERIALS TAKEOFF FOR THE BID.
28. GRAVITY DRAINAGE SYSTEMS HAVE PRIORITY OVER OTHER SYSTEMS WITH REGARD TO ROUTING. CEILING MOUNTED SPRINKLER, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL AIR DEVICE LOCATIONS.
29. RETURN AIR FURNACE PLENUMS SHALL BE FABRICATED OF NON-COMBUSTIBLE MATERIALS AND AT AN ELEVATION SUCH THAT THE EASY REMOVAL OF THE FURNACE UNIT AND EVAPORATOR COIL CAN BE ACCOMPLISHED WITHOUT DISASSEMBLING THE UNIT.
30. RETURN AIR FURNACE PLENUMS SHALL BE FABRICATED OF NON-COMBUSTIBLE MATERIALS AND AT AN ELEVATION SUCH THAT THE EASY REMOVAL OF THE FURNACE UNIT AND EVAPORATOR COIL CAN BE ACCOMPLISHED WITHOUT DISASSEMBLING THE UNIT.
31. INSTALL ALL HVAC EQUIPMENT SERVING THE SAFE ROOM PORTION OF THIS PROJECT IN ACCORDANCE WITH FEMA P-361.

HVAC SYMBOLS

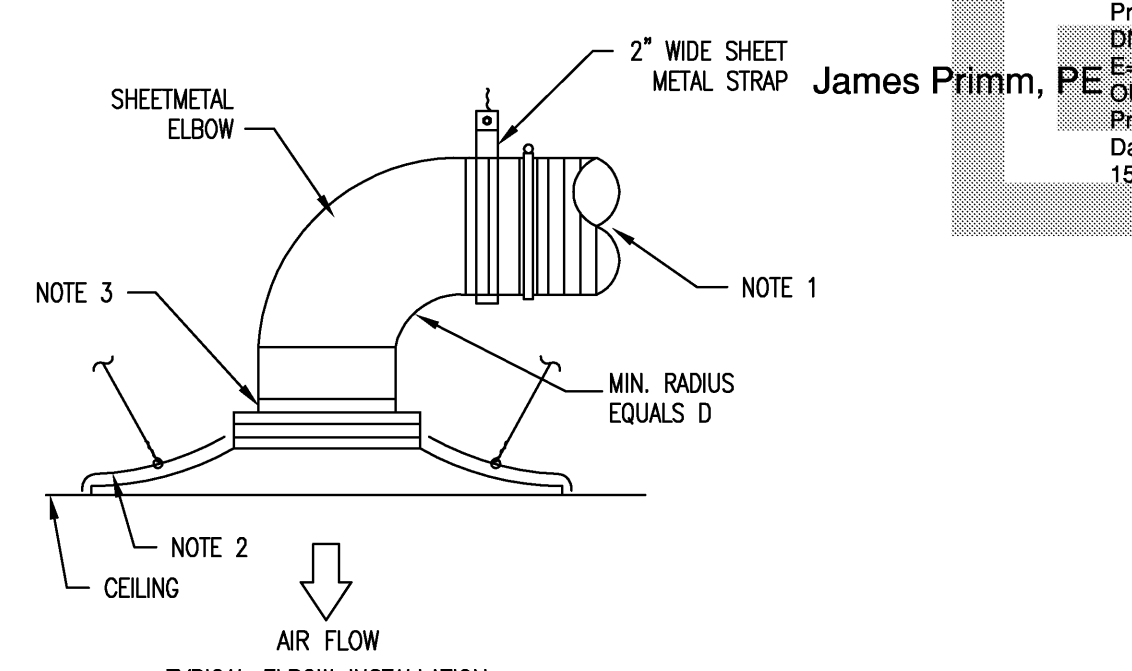


EXHAUST FAN SEQUENCE OF OPERATION:

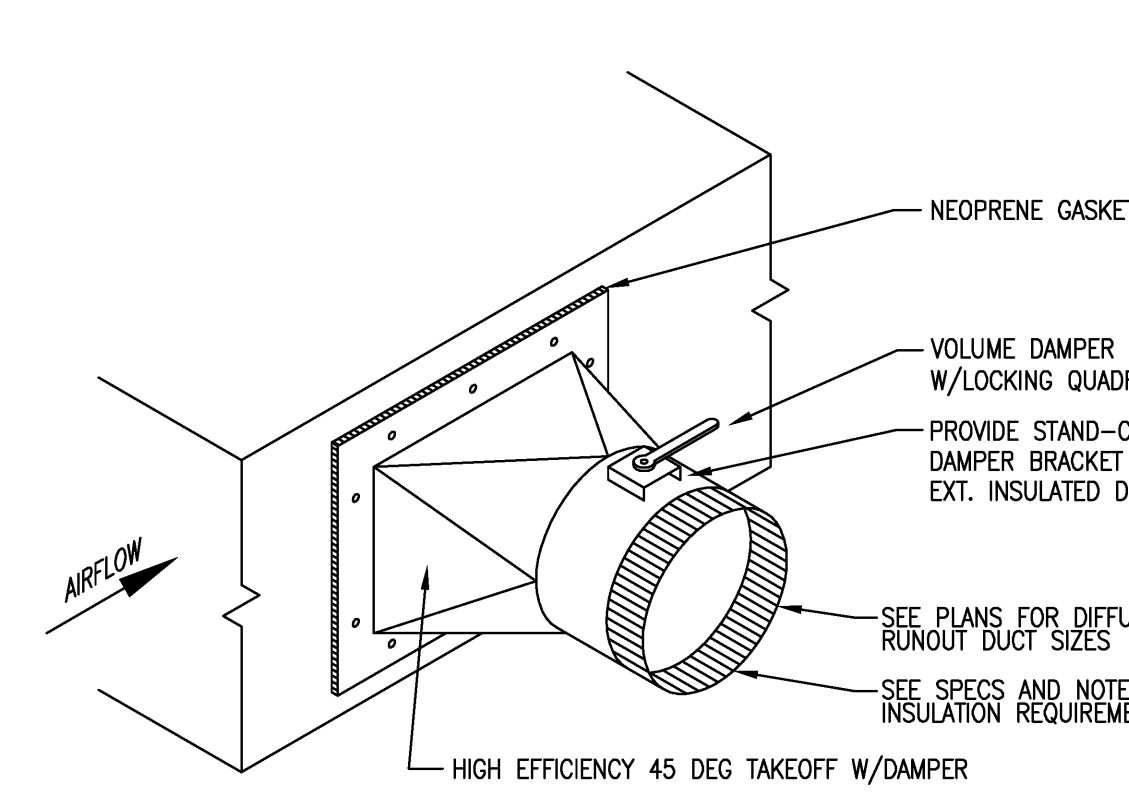
TOILET EXHAUST FANS SHALL BE INTERLOCKED WITH REST ROOM LIGHTS.



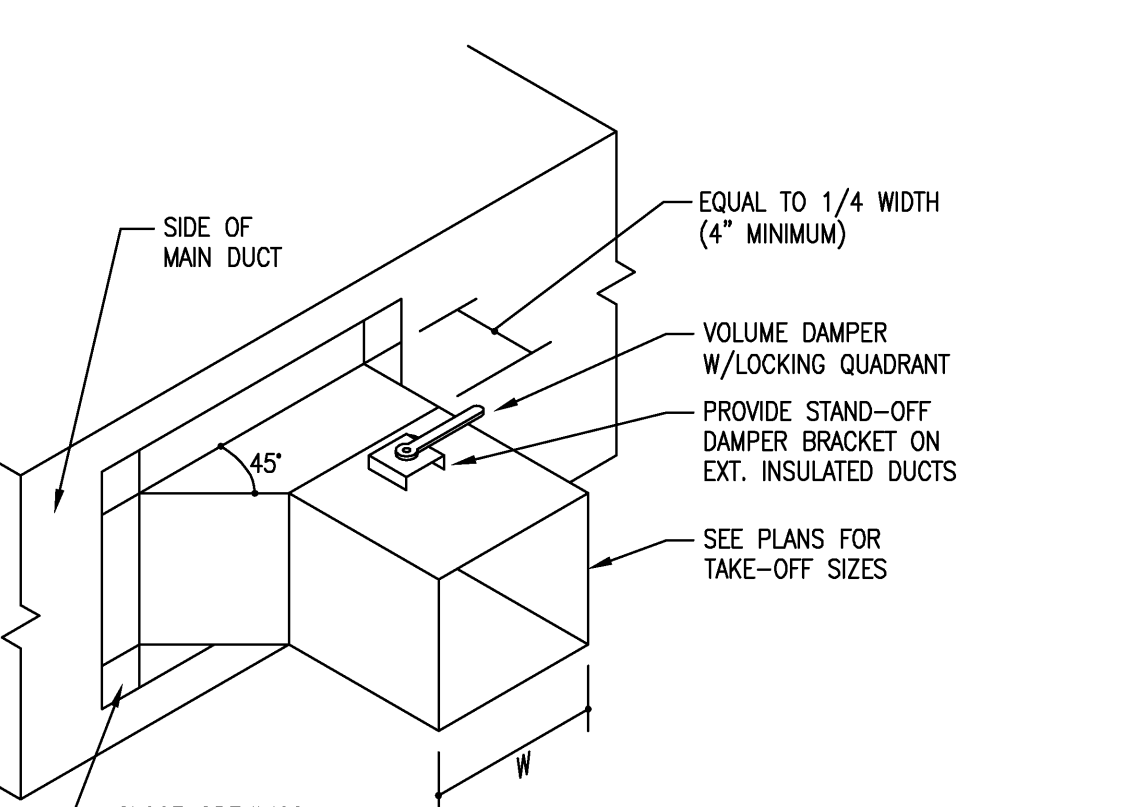
1 CEILING EXHAUST FAN DETAIL
SCALE NTS



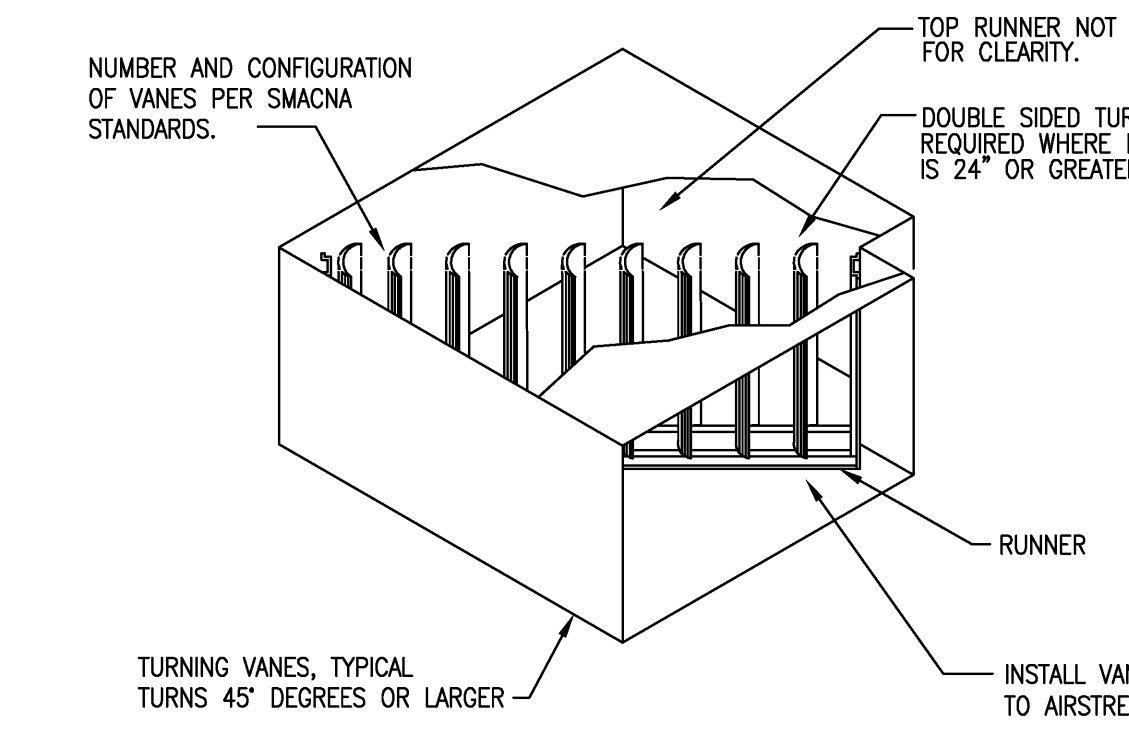
2 CEILING SUPPLY AIR DEVICE DETAIL
SCALE NTS



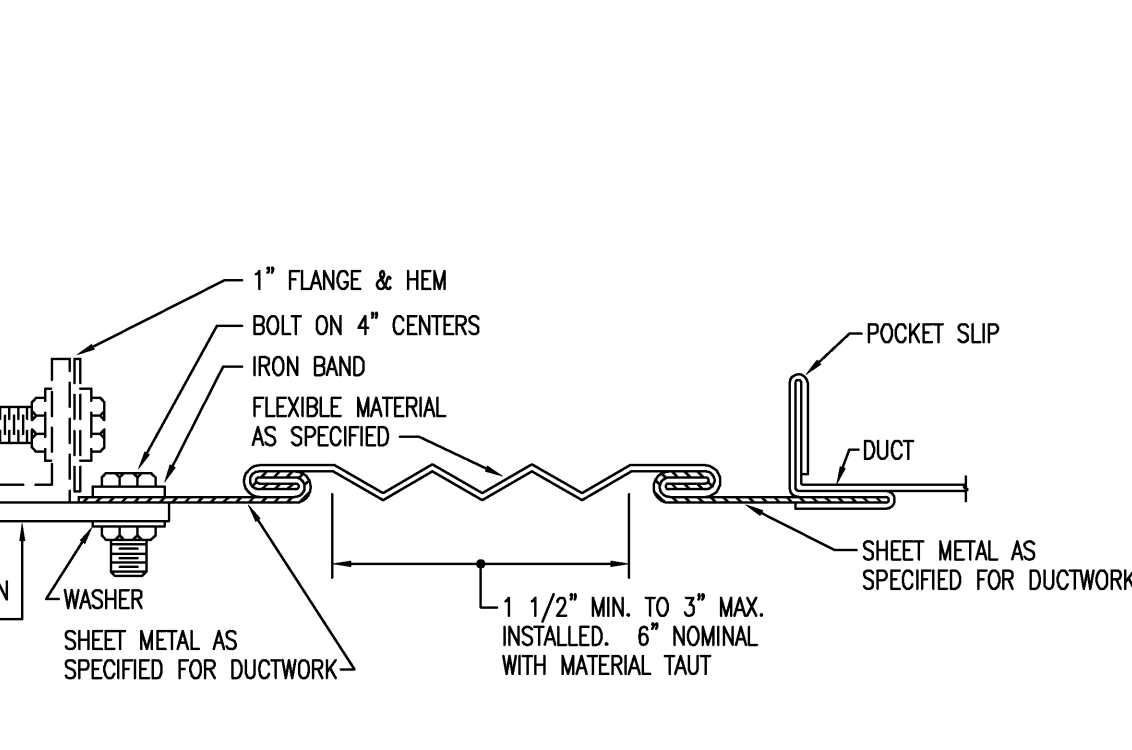
3 DIFFUSER TAKE-OFF FITTING DETAIL
SCALE NTS



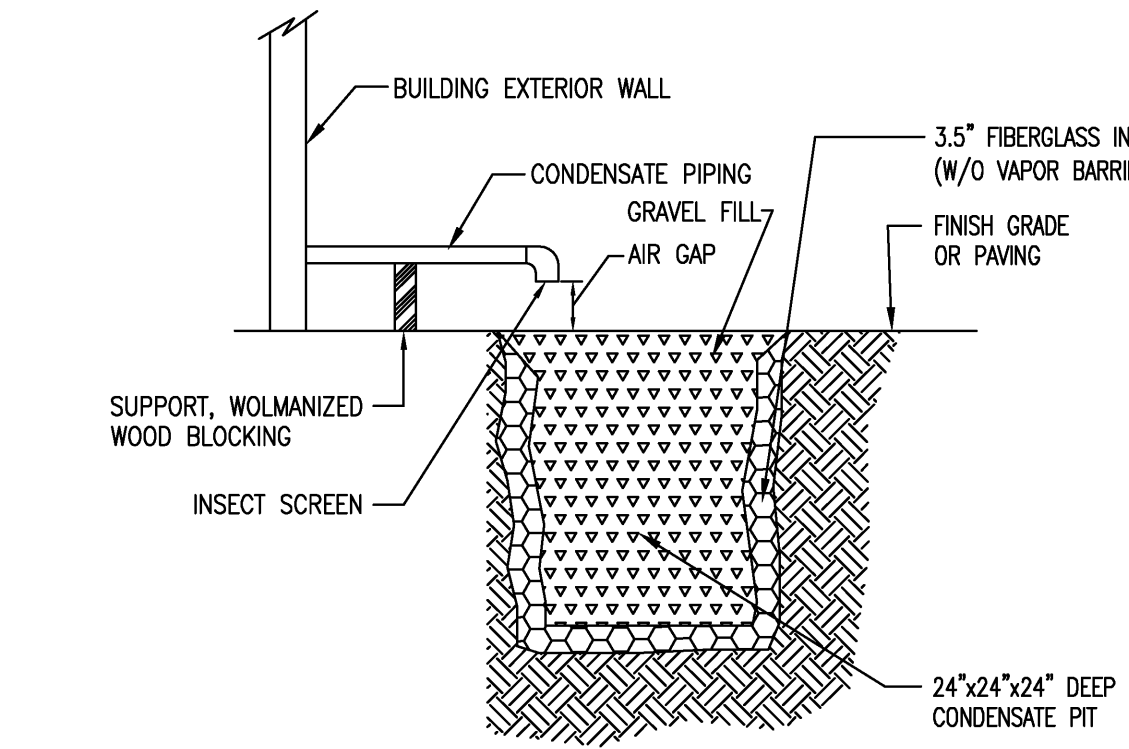
4 BRANCH DUCT WITH DAMPER DETAIL
SCALE NTS



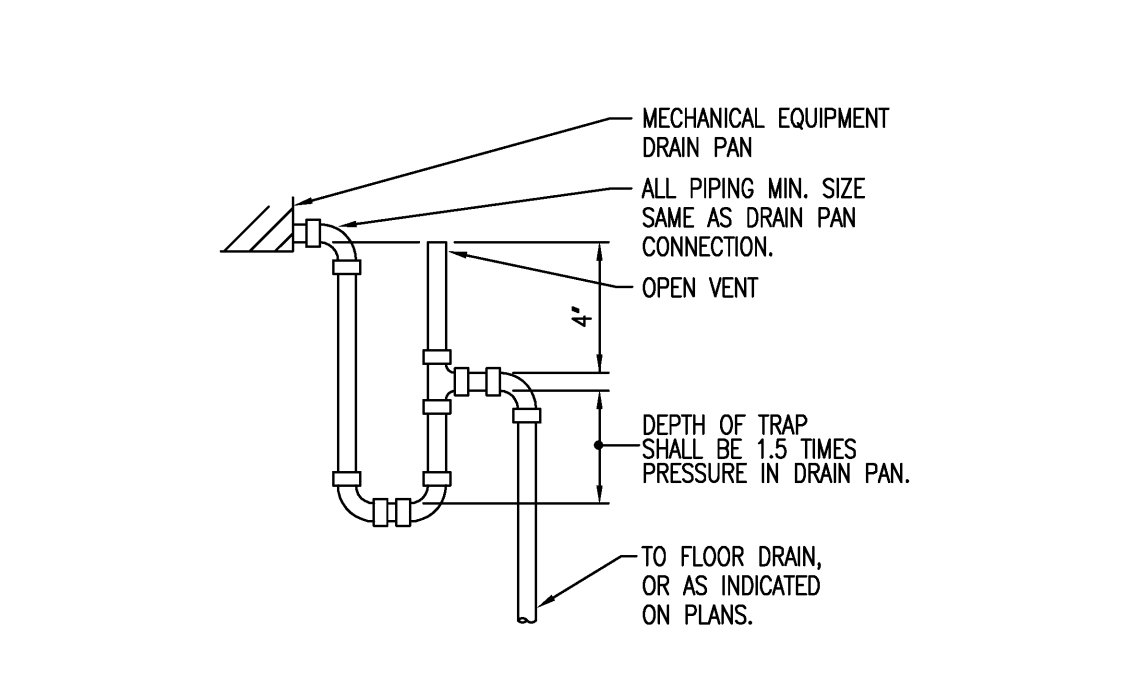
5 TURNING VANES DETAIL
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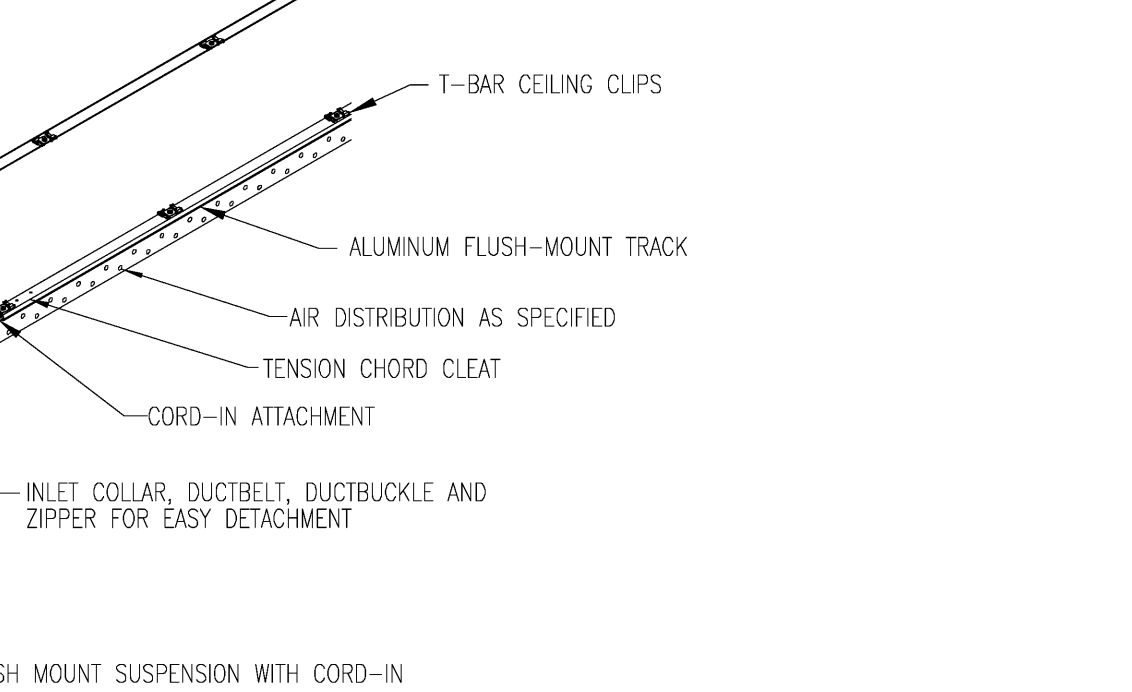
6 RECTANGULAR FLEXIBLE CONNECTION
SCALE NTS



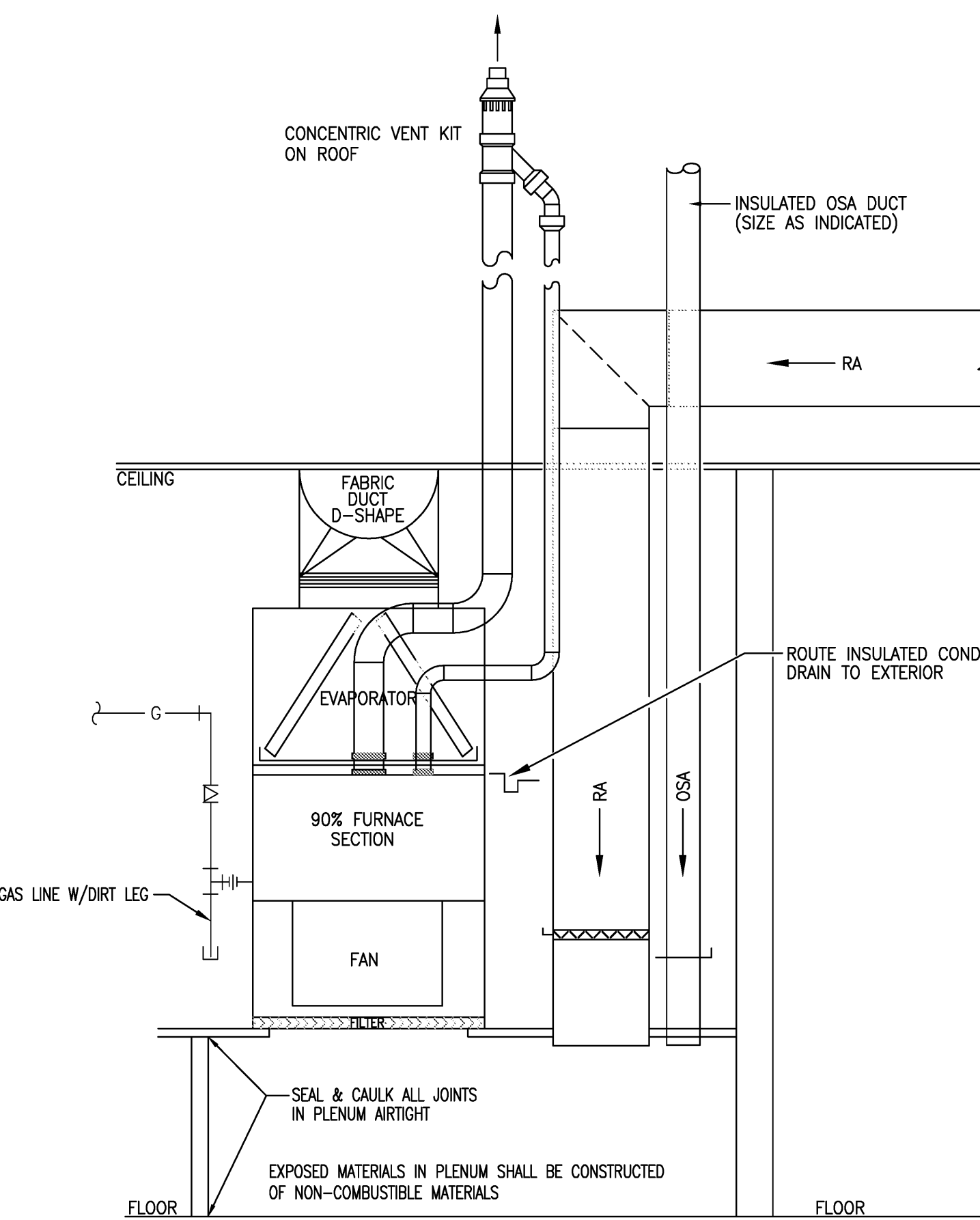
11 CONDENSATE PIT DETAIL
SCALE NTS



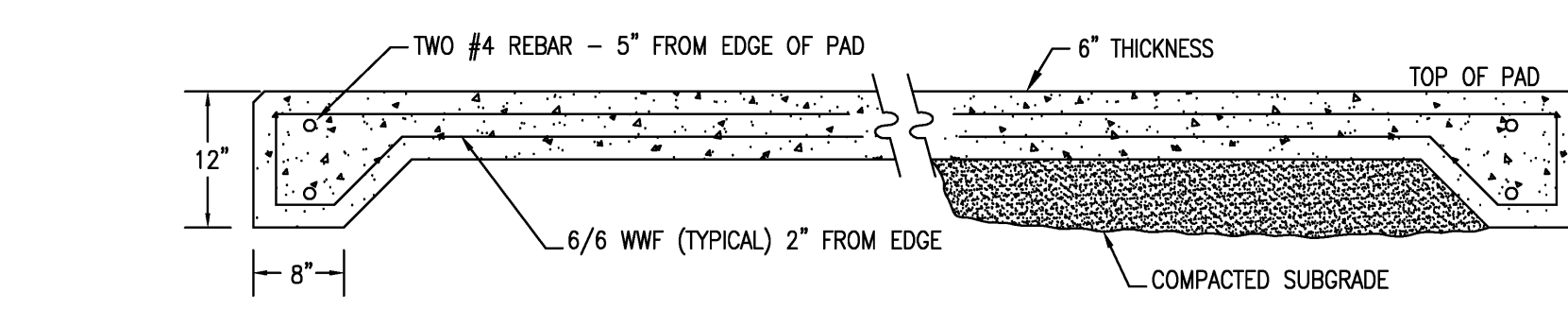
12 CONDENSATE DRAIN TRAP DETAIL
SCALE NTS



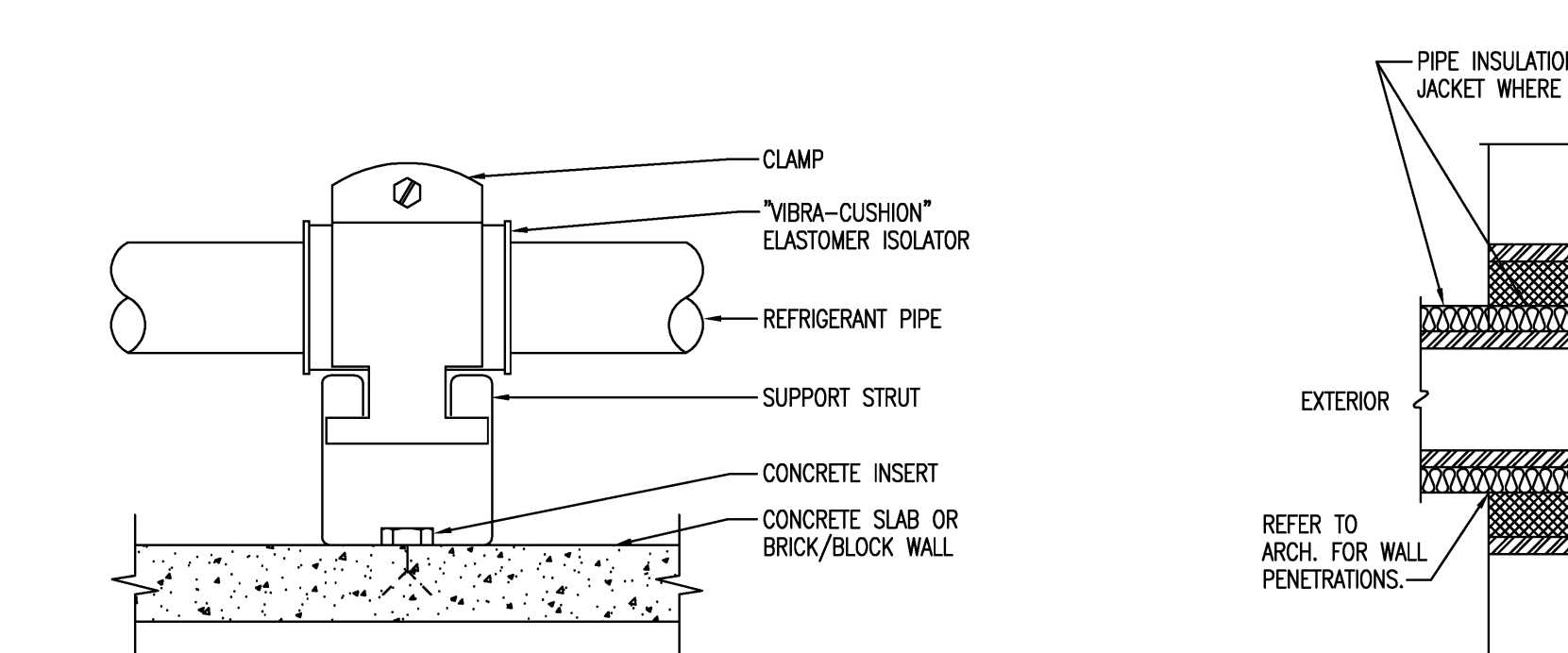
13 SUSPENSION DETAIL
SCALE NTS



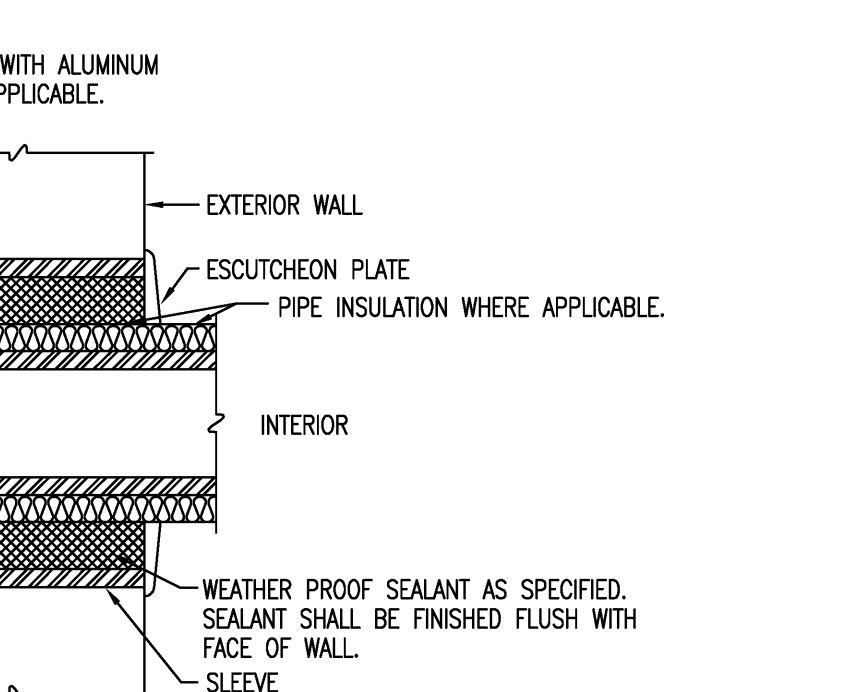
7 TURNING VANES DETAIL
SCALE NTS



8 CONDENSING UNIT CONCRETE PAD DETAIL
SCALE NTS



9 REFRIGERANT PIPE SUPPORT
SCALE NTS

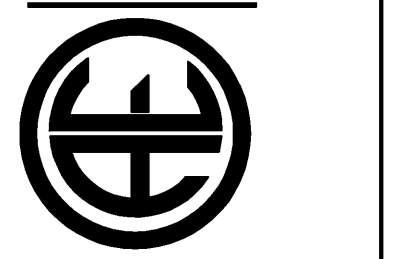


10 REFRIGERANT PIPE SLEEVE THRU EXTERIOR WALL
SCALE NTS



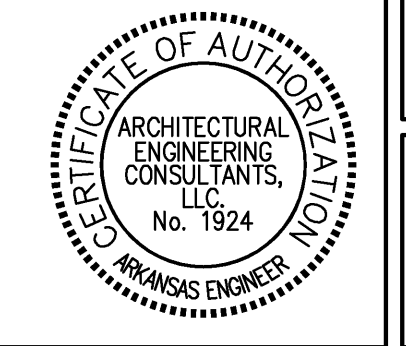
A NEW K-4 CLASSROOM BUILDING
FOR
SLOAN HENDRIX SCHOOL DISTRICT
SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

ARCHITECTURAL ENGINEERING CONSULTANTS, L.L.C.
P.O. Box 94788 - North Little Rock, AR 72119
501.378.9880 Phone - 501.378.9712 Fax
AEC Job # 0803.16.02



ISSUE DATE:	03-10-2017
REVISIONS:	
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M101



James Primm, PE

Digitally signed by James Primm, PE
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E=james.primm@architectural-engineering-consultants.com,
OU="Architectural Engineering Consultants",
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Date: 2017.03.17
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A NEW K-4 CLASSROOM BUILDING
FOR
SLOAN HENDRIX SCHOOL DISTRICT
SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

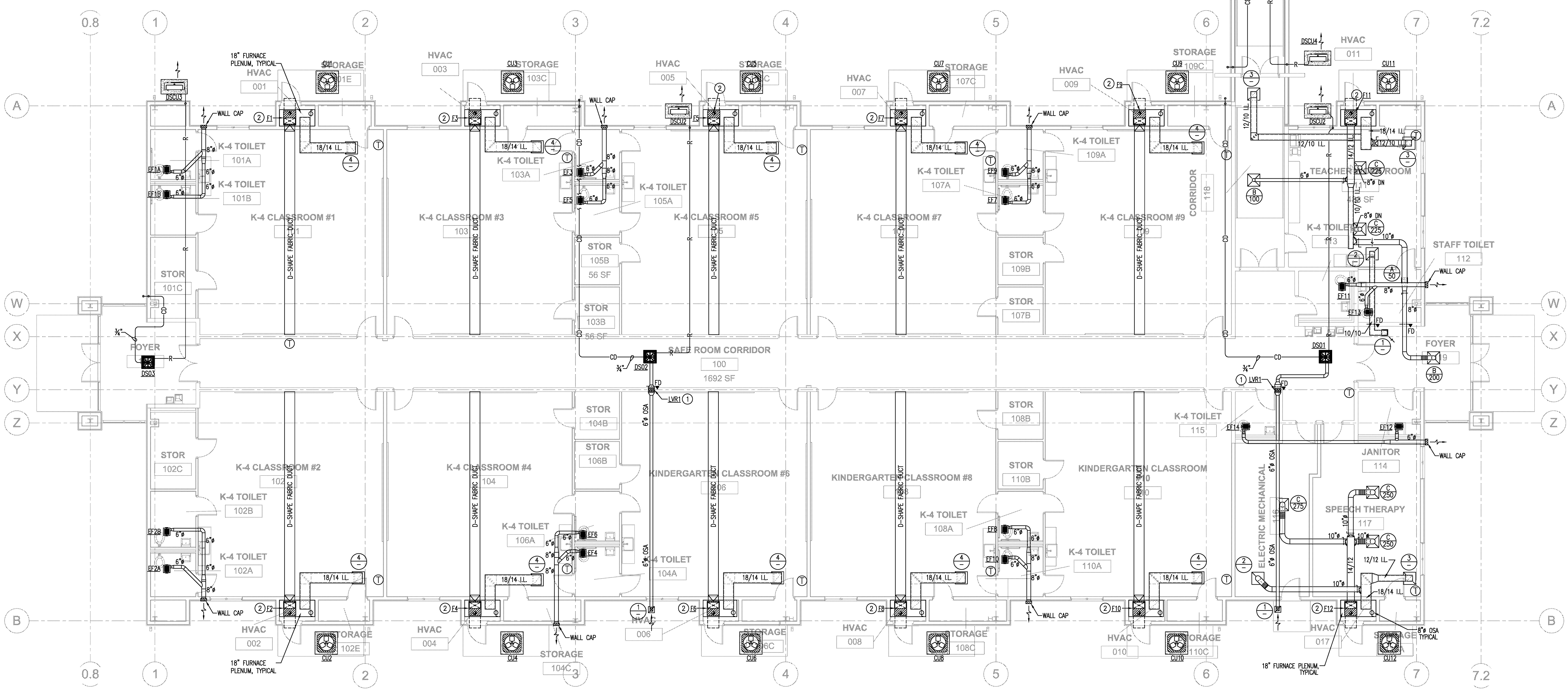
ARCHITECTURAL ENGINEERING
CONSULTANTS, LLC.
P.O. Box 94788 - North Little Rock, AR 72190
501.378.8688 Phone - 501.378.9712 Fax
AEC Job #: 0603.16.002



MECHANICAL PLAN

M201

ISSUE DATE:	03-10-2017
REVISIONS:	
NO.	DATE
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1 MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



- KEYED NOTES**
- ① TRANSITION FROM 6" DUCT TO 12/12 DUCT TO CONNECT TO FEMA GRADE LOUVER IN SAFE ROOM CORRIDOR SIDEWALL AS SHOWN.
 - ② EXTEND FLUE AND COMBUSTION AIR PIPING FROM FURNACE TO CONCENTRIC VENT KIT ON ROOF.



Digitally signed by James Primm, PE
 DN: C=US,
 E=james.primm@aec.com,
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 Date: 2017.03.17 15:26:01-05'07'



DESIGNATION	REFERENCE PRODUCT	LOCATION	SERVES	FAN DATA				ELECTRICAL			OPTIONS			CONTROL INTERLOCKS		REMARKS	
				AIR FLOW (CFM)	TOTAL STATIC PRESSURE (IN. WATER)	DRIVE	ROTATION (RPM)	SONES	VOLTS / PHASE	MOTOR SIZE (HP)	DAMPER TYPE	ROOF CURB	DISC. SWITCH	OTHER AS NOTED	SWITCH		OTHER AS NOTED
EF1-EF14	COOK GC-124	CEILING	VEHICLE MAINT. TOILETS	75	0.2	DIRECT	873	1.5	115 / 1	59 WATTS	GRAVITY	NO	YES	---	NO	INTERLOCK W/LIGHTS	PROVIDE WITH DISCONNECT, FAN SPEED CONTROLLER BACKRAFT DAMPER, AND ROOF CAP.

NOTES:
 1. ACCEPTABLE MANUFACTURERS: COOK, ACME, GREENHECK, OR APPROVED EQUAL.

ID	REFERENCE PRODUCT	LOCATION	ENERGY INPUT (BTU)	HEATING CAPACITY (BTU)	AIR FLOW (CFM)	EST. STATE PRESSURE (IN. WC)	AIR TEMP (DB/LE)	FILTER	FUEL	FAN MOTOR DATA			ELECTRICAL DATA	REMARKS
										HP	AMP	PHASE		
F1-F12	TRANE TLH20000V3	CLASSROOM #1-#10, SPEECH THERAPY, TEACHER'S WORK RM	80	77.6	1,200	0.6	66/103	1"	NAT GAS	1/2	VARIABLE DIRECT	VAR.	115/1/11.1/15	PROVIDE DISCONNECT, CONCENTRIC VENT KIT, 7-DAY PROGRAMMABLE THERMOSTAT

ID	REFERENCE PRODUCT	EVAPORATOR MODEL	CONDENSING UNIT MODEL	EVAPORATOR DATA			CONDENSING UNIT DATA			REMARKS
				TOTAL CAP. (TONS)	SEASONAL COP	REF. (DB/LE)	TOTAL CAP. (TONS)	SEASONAL COP	REF. (DB/LE)	
CU1-CU12	TRANE	4TXCB004DS3CH	4TR6036J1	33.9	23.8	1,200	77/66	58.5/56.6	208V/19/18/30/13.8	PROVIDE DISCONNECT, LOUVERED HAIL GUARDS, 4" CONCRETE PAD, SHRAEDER SERVICE VALVES

DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	MAXIMUM AIRFLOW (CFM)	PRESSURE DROP (IN. WATER)	MINIMUM FREE AREA (SQ. FT.)	SIZE W/H/D (INCHES)	REMARKS
LVR1, LVR2	RUSKIN XP5005 FEMA 381	CHEVRON BLADE	SAFE ROOM VENTILATION	50	<0.01	0.29	12x12x6	INTERNAL MOUNT STYLE, CHEVRON BLADE FEMA 381 GRILLE STYLE LOUVER, <3X3X4 HOT ROLLED STEEL BLADES, HOT ROLLED STEEL FRAME, 53% FREE AREA.

1. ACCEPTABLE MANUFACTURERS: RUSKIN, GREENHECK, POTTORFF, OR AMERICAN WARMING.

DESIGNATION	MANUFACTURE/ MODEL NO.	MAX CFM	USE	TYPE	STYLE	NECK	FACE SIZE	MAX. APD INCHES	MAX N.C.	MATERIAL	FINISH	OBD YES/NO	REMARKS
A	TITUS OMN-AA	90	SUPPLY	LAY-IN	LOUVERED	6" OR 6x6	12/12	0.12	28	ALUM.	WHITE	Y	
B	TITUS OMN-AA	205	SUPPLY	LAY-IN	LOUVERED	8" OR 8x8	24/24	0.12	28	ALUM.	WHITE	Y	
C	TITUS OMN-AA	350	SUPPLY	LAY-IN	LOUVERED	10" OR 10x10	24/24	0.13	30	ALUM.	WHITE	N	
1	TITUS 50 F	150	RETURN EXHAUST	LAY-IN	EGGCRATE	10" OR 10x10	12/12	0.12	18	ALUM.	WHITE	N	1/2x1/2x1/2 ALUMINUM CORE
2	TITUS 50 F	330	RETURN EXHAUST	LAY-IN	EGGCRATE	10" OR 10x10	24/24	0.12	20	ALUM.	WHITE	N	1/2x1/2x1/2 ALUMINUM CORE
3	TITUS 50 F	620	RETURN EXHAUST	LAY-IN	EGGCRATE	12x12	14/14	0.09	20	ALUM.	WHITE	N	1/2x1/2x1/2 ALUMINUM CORE
4	TITUS 50 F	1200	RETURN EXHAUST	LAY-IN	EGGCRATE	18x18	24/24	0.09	22	ALUM.	WHITE	N	1/2x1/2x1/2 ALUMINUM CORE

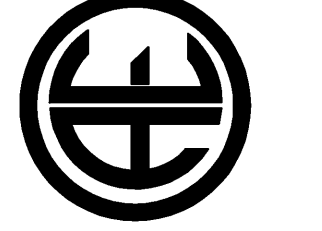
NOTES:
 1. ACCEPTABLE MANUFACTURERS: TITUS, TUTTLE & BAILEY, METALAIR & PRICE.
 2. ALL CEILING DIFFUSERS SHALL BE 4-WAY THROW UNLESS INDICATED OTHERWISE.
 3. GRILLES NECK SIZE SHALL BE SAME AS BRANCH DUCT SHOWN ON DRINKINS UNLESS INDICATED OTHERWISE. PROVIDE ADAPTERS WHERE REQUIRED.
 4. COORDINATE WITH ARCHITECTURAL ROOM FINISH SCHEDULES FOR DEVICE FRAMING REQUIREMENTS.
 5. PROVIDE OPPOSED BLADE DAMPERS AT ALL BRANCH TAKE-OFFS EVEN IF OBD'S ARE INDICATED FOR AIR DEVICES.
 6. PROVIDE FIRE DAMPERS WITH AIR DEVICES WHERE FIRE DAMPERS ARE SHOWN IN CONJUNCTION WITH DEVICES ON PLANS.
 7. PROVIDE FACTORY FABRICATED, MOLDED INSULATION BLANKETS ON ALL SUPPLY DIFFUSERS. FIELD INSTALLED INSULATION ON THE BACKS OF GRILLES IS UNACCEPTABLE.

MARK	SERVES	MFR / MODEL	MODEL NUMBERS		AIRFLOW DATA		COOLING DATA		HEATING DATA		ELECTRICAL DATA			
			INDOOR UNIT	OUTDOOR UNIT	CFM	OSA VENT.	NOM. TONS	TOTAL MBH	NOM. TONS	TOTAL MBH	V/#	MCA	MOCF	SEER
DS1/DSCU1	CORRIDOR/SAFE ROOM	DAIKIN	PLA-A36B	PUZ-A36N	920	50	1.5	35.0	1.5	37.0	208/1	25	40	14.2
DS2/DSCU2	CORRIDOR/SAFE ROOM	DAIKIN	PLA-A36B	PUZ-A36N	920	50	1.5	35.0	1.5	37.0	208/1	25	40	14.2
DS3/DSCU3, DS4/DSCU4	FOYER 120 CONNECTOR	DAIKIN	MSZ-GE12NA	MUZ-GE12NA	320	--	1.0	12.0	1.0	11.2	208/230/1	13	15	20.5

NOTES:
 1. ACCEPTABLE MANUFACTURERS: SANYO, MITSUBISHI, OR APPROVED EQUAL.
 2. DISCONNECT SWITCHES BY DIV. 16. (FIELD COORDINATE SIZE WITH DIV 16.)
 3. PROVIDE UNIT WITH 5 YEAR WARRANTY ON COMPRESSORS.
 4. FIELD ROUTE REFRIGERANT LINES SIZED PER MANUFACTURER'S RECOMMENDATIONS.
 5. PROVIDE REMOTE DIGITAL THERMOSTAT. MOUNT AT 54" A.F.F.
 6. FURNISH OWNER WITH 2 SETS OF EXTRA FILTERS. (INSTALL ONE SET AT END OF PROJECT).
 7. PROVIDE UNIT WITH COMPRESSOR SHORT CYCLE PROTECTOR, HIGH & LOW PRESSURE CUTOFF SWITCHES, LOW AMBIENT CONTROL, TXV.
 8. PROVIDE WIRED, WALL-MOUNT THERMOSTAT.

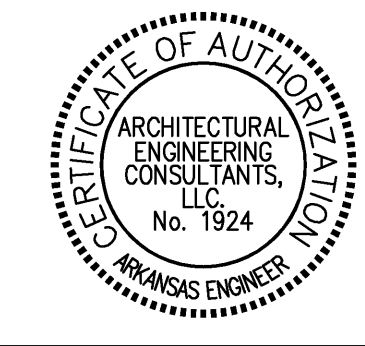
A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBEDDEN ARKANSAS

ARCHITECTURAL ENGINEERING CONSULTANTS, LLC.
 P.O. Box 947789 - North Little Rock, AR 72199
 501.378.9868 Phone - 501.378.9712 Fax
 AEC Job #: 0803.16.002



ISSUE DATE:	03-10-2017
REVISIONS	
NO.	DATE
NO.	
NO.	
NO.	
NO.	
NO.	

M301



Digitally signed by James Primm, PE
 DN: C=US,
 OU=Architectural Engineering
 Primm, PE
 Date: 2017.03.17
 15:18:17-05'00'



GENERAL NOTES

1. CONTRACTOR MUST VERIFY UTILITIES LOCATIONS AND INVERTS PRIOR TO PLACEMENT OF SERVICES. ALL PLUMBING SYSTEMS MUST BE INSTALLED AS PER SPECIFICATIONS AND GOVERNING CODES.
2. CONTRACTOR SHALL COORDINATE ALL UTILITY PIPING WITH SITE PIPING; LOCATION, INVERTS, ETC.
3. PROVIDE ALL EQUIPMENT AT GAS METER AND REGULATOR AT GAS METER AS REQUIRED BY LOCAL UTILITY. PROVIDE ANODES ON GAS PIPING AS REQUIRED BY LOCAL UTILITY.
4. SITE GAS PIPING TO BE INSTALLED PER PROVIDER'S SPECIFICATIONS
5. CONTRACTOR SHALL CONTACT UTILITY COMPANIES PRIOR TO BID AND DETERMINE TIE-IN CONNECTION. CONTRACTOR SHALL PAY FOR ALL FEES RELATED TO CONNECTING NEW UTILITY SERVICES AND ALL MATERIALS, LABOR, AND EQUIPMENT CHARGES FOR CONNECTION OF NEW UTILITIES FOR THE FACILITY.
6. STREET CROSSING PERFORMED BY OPEN CUT MAINTAIN ONE LANE OF TRAFFIC, REFINISH TO MATCH EXISTING PER STREET DEPARTMENT REQUIREMENTS.

KEYED NOTES:

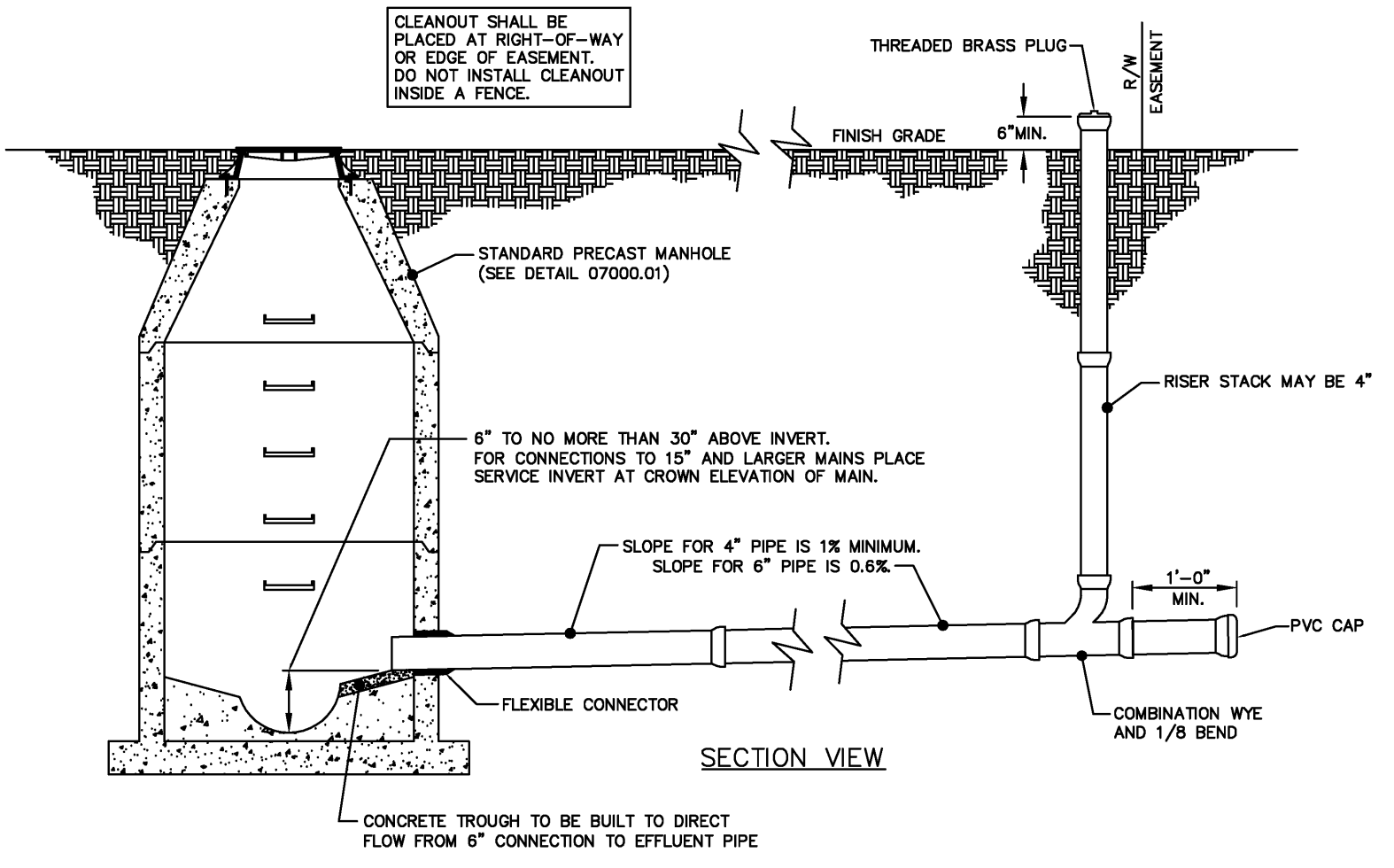
1. CONNECT TO CITY WASTE SYSTEM. CONTRACTOR SHALL COORDINATE WITH LOCAL WASTEWATER PRIOR TO INSTALLATION AND PAY ALL ASSOCIATED FEES. CONTRACTOR SHALL REPAIR ANY ASPHALT STREET / PAVEMENT IN ACCORDANCE WITH THE CITY OF IMBODEN STREET DEPARTMENT REQUIREMENTS.
2. NEW GAS METER WITH TRIM ASSEMBLY. COORDINATE WITH LOCAL UTILITY PRIOR TO BID. CONTRACTOR TO PAY ALL CONNECTION FEES.
3. EXTEND THE EXISTING WATER SERVICE PER WATER DEPARTMENT'S SPECIFICATIONS AND PAY ALL ASSOCIATED FEES.
4. PROVIDE METER AND ISOLATION PER WATER DEPARTMENT'S SPECIFICATIONS. CONNECT TO NEW 2 1/2" CW SERVICE.

UNDERGROUND WATER NOTES:

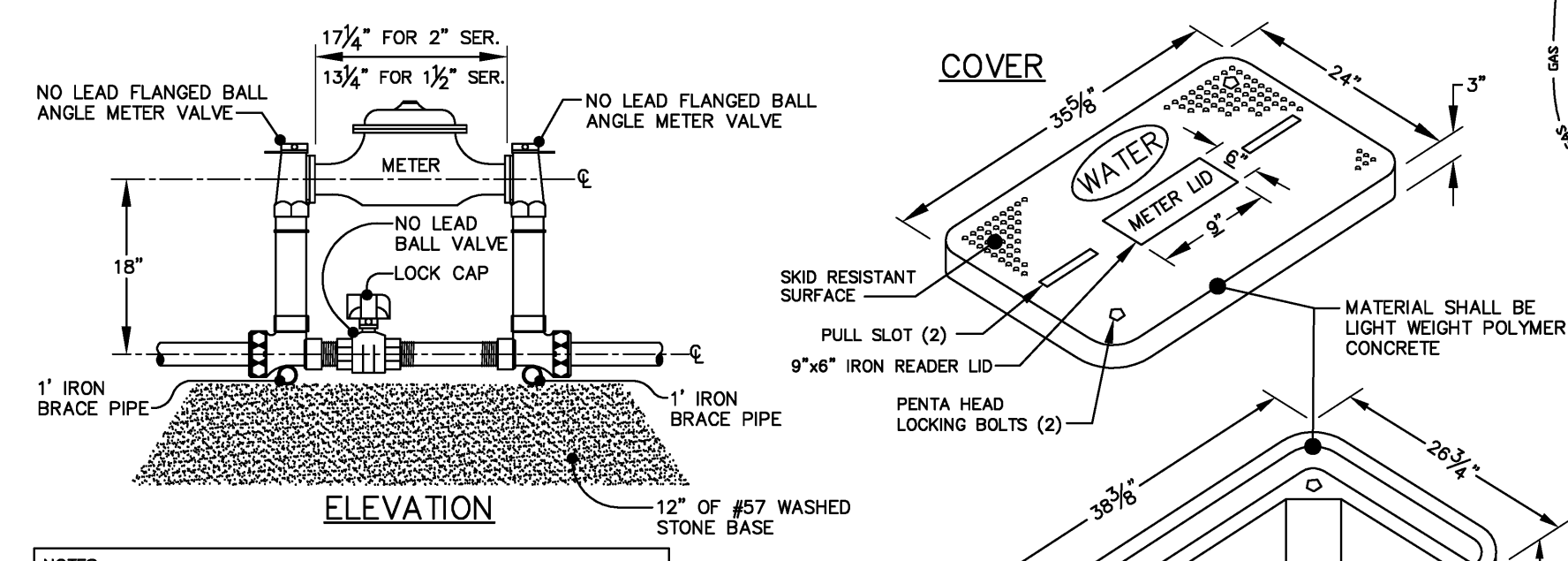
UNDERGROUND PIPING AND FITTINGS SHALL BE RODDED AND THRUST BLOCKED ACCORDING TO NFPA-24, A.W.W.A. AND LOCAL STANDARDS. INSTALLATION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL AHJ'S. UNDERGROUND PIPE SHALL BE FLUSHED IN ACCORDANCE WITH NFPA-24 AND A.W.W.A. UNDERGROUND PIPING HYDROSTATICALLY TESTED WITH ALLOWABLE LEAKAGE IN ACCORDANCE WITH NFPA-24 AND A.W.W.A. M23/C-500. ALL UNDERGROUND PIPING TO BE CHLORINATED AS PER REQUIREMENTS OF THE STATE HEALTH DEPARTMENT, AND A.W.W.A. C-651. CHLORINATION TEST TO BE DONE ON BASES OF 50 P.P.M OVER A 24 HOUR PERIOD.

HEALTH DEPARTMENT REQUIREMENTS

WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN WATER TIGHT PIPE WITH SEALED ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OF SEWER UNDER PRESSURE WHERE A WATER LINE MUST BE UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT.

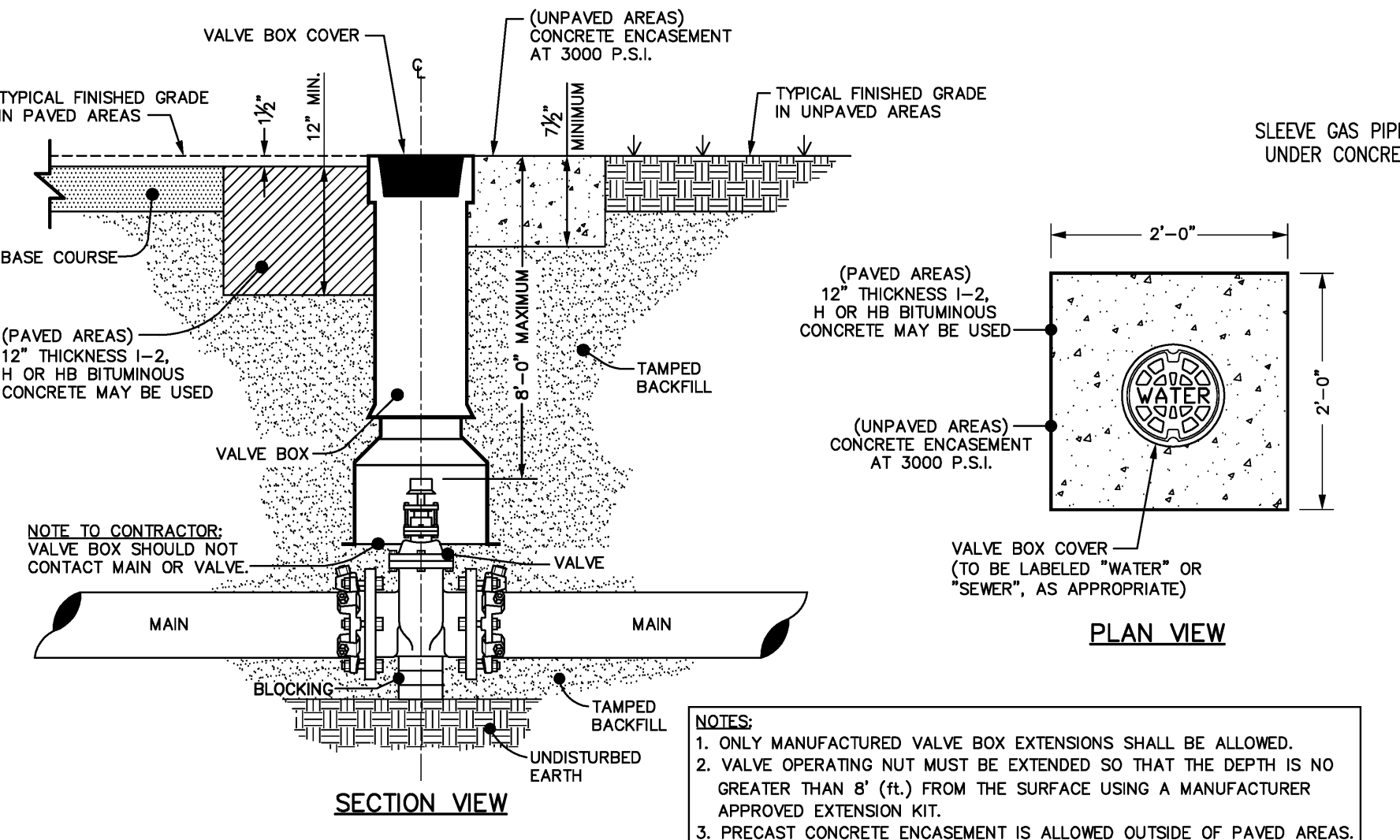


2 STANDARD SANITARY SEWER SERVICE MANHOLE TAP
 SCALE: NONE

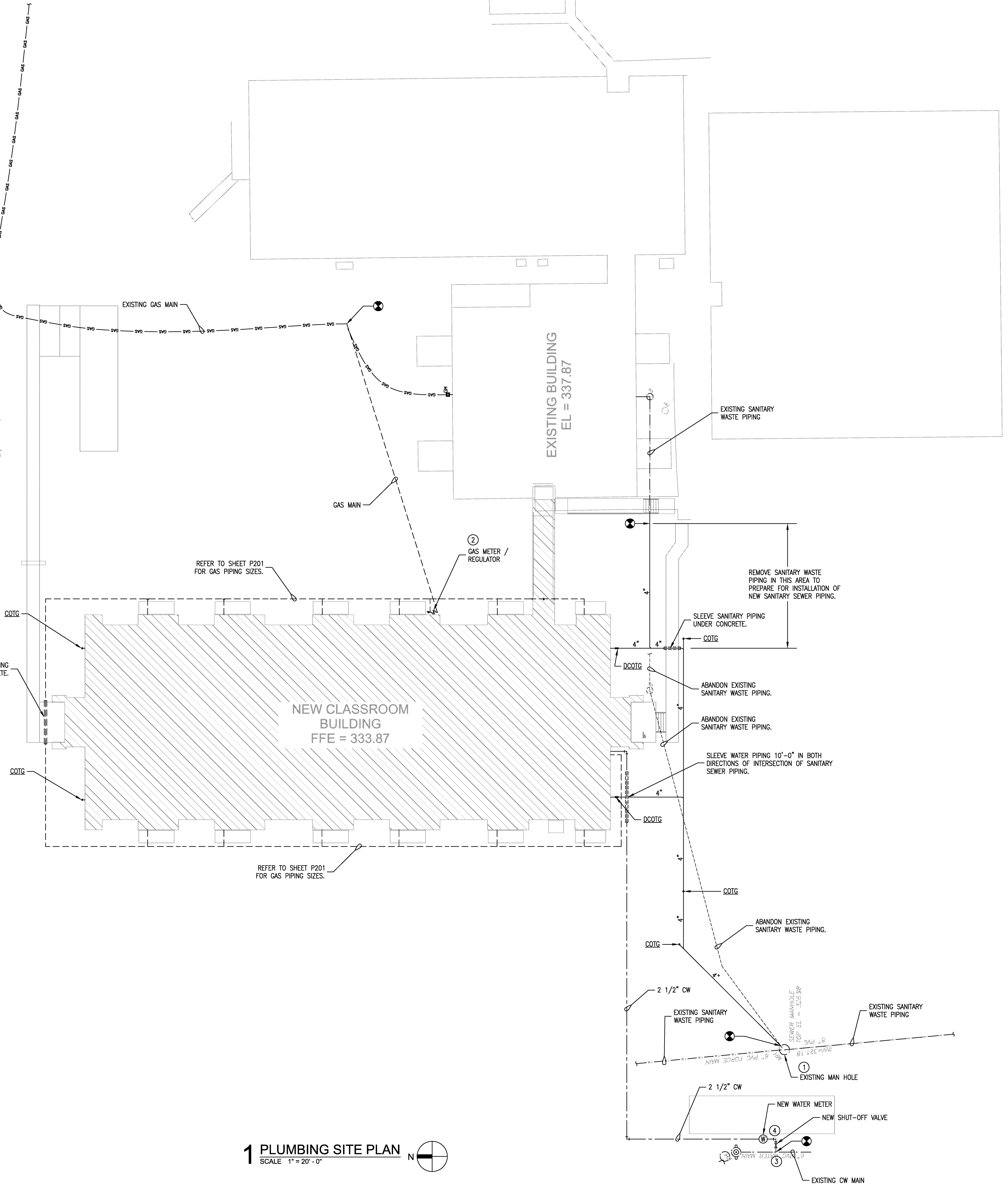


- NOTES:**
1. PIPING TO BE 'NO LEAD' BRASS AND COPPER TUBING. METER INLET AND OUTLET TO BE EQUIPPED WITH FLANGED BALL ANGLE METER VALVES.
 2. CUSTOM SETTERS SHALL BE EQUIPPED WITH STANDARD LOW BYPASS WITH BALL VALVE AND PADLOCK WINGS.
 3. CUSTOM SETTERS SHALL BE AS MANUFACTURED BY MUELLER, FORD, AY MCKONALD, OR APPROVED EQUAL.
 4. ALL BRASS COMPONENTS SHALL BE 'NO LEAD' BRASS MEETING UNS C89833 AS PER ASTM B584.
 5. ALL COMMERCIAL APPLICATIONS REQUIRE A SEPARATE ABOVE GROUND BACKFLOW PREVENTER.
 6. CUSTOM SETTER SHALL BE INSTALLED SUCH THAT METER REGISTER IS LOCATED 5 TO 8 INCHES BELOW METER BOX COVER.
- NOTE:** TO ENSURE POSITIVE DRAINAGE, THE VAULT SHALL HAVE AN OPEN BOTTOM TO ALLOW DRAINAGE THROUGH STONE.
- | DIMENSIONS (INCHES) | |
|---------------------|---------|
| A | 18 3/4" |
| B | 36 3/8" |
- MOUSE HOLES (2)
 4" x 4" OPENING WITH 4" x 4" KNOCKOUT ABOVE OPENING

3 STANDARD METER INSTALLATION AND VAULT
 SCALE: NONE



4 STANDARD VALVE BOX INSTALLATION
 SCALE: NONE



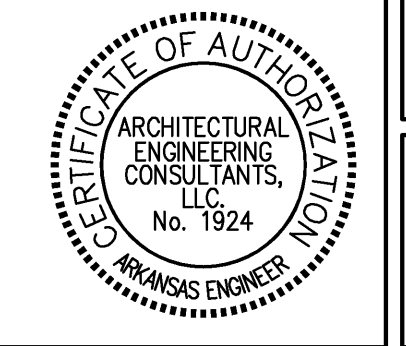
1 PLUMBING SITE PLAN
 SCALE: 1" = 20' - 0"

A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

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 P.O. Box 84788 - North Little Rock, AR 72119
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ISSUE DATE: 03-10-2017	
REVISIONS	
NO.	DATE

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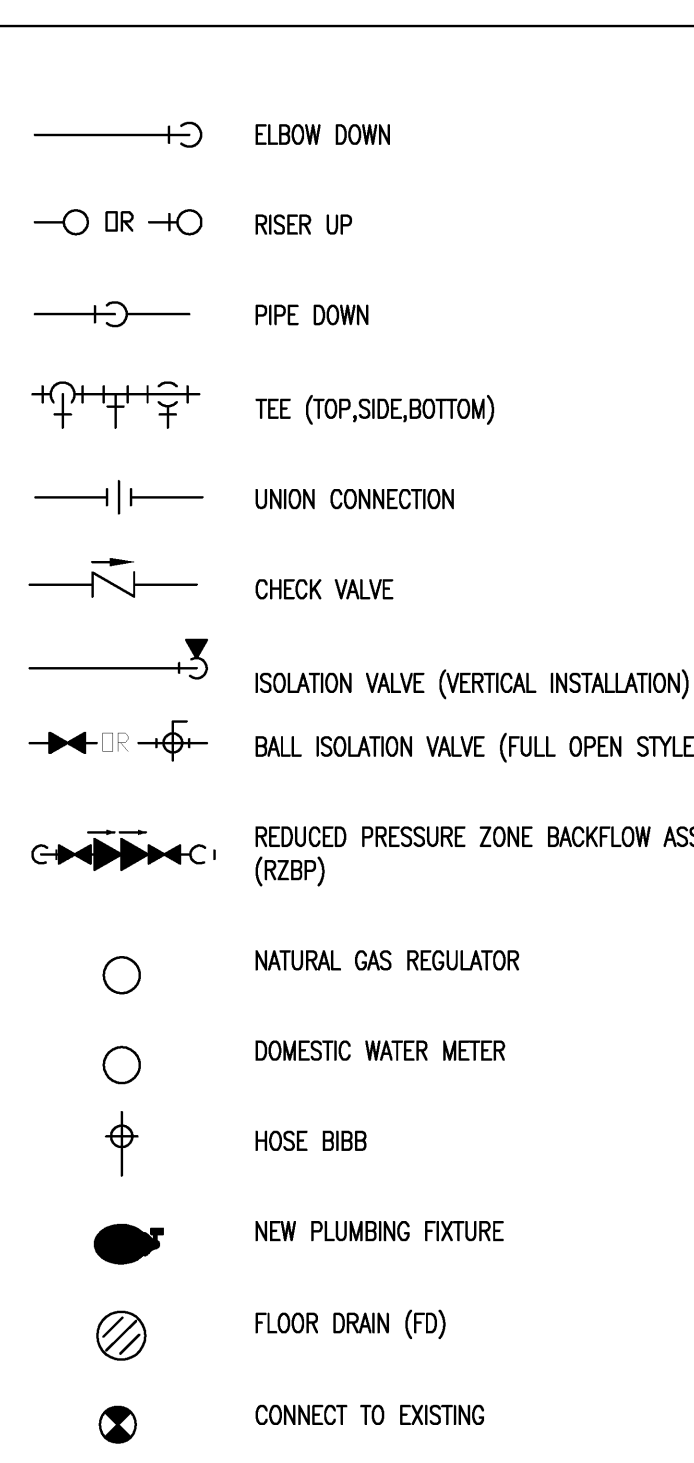


James Primm, P.E.

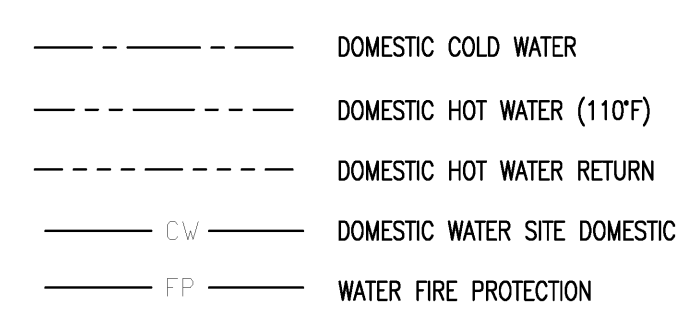
ABBREVIATIONS

- 1) ALL ABBREVIATIONS SHOWN MAY NOT BE APPLICABLE TO THIS PROJECT.
 2) REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT DESIGNATIONS.
 3) REFER TO PIPING DESIGNATIONS AND TYPES FOR PIPE ABBREVIATIONS.
- | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|---|---|--|--------------------------------|---|--|---|--|--|---|--------------------------|--|--|--|---|--|--|-------------------------------|
| A
ABV ABOVE FINISHED FLOOR
AFF AT ABOVE FINISHED GRADE
AMP AMPERES
ANSI AMERICAN NAT'L STANDARDS INSTITUTE
APD AIR PRESSURE DROP
ARCH ARCHITECTURAL
ARI AIR CONDITIONING & REFRIG INSTITUTE
ASTM AMERICAN SOCIETY OF TESTING & MATLS
AUX AUXILIARY
AWG AMERICAN WIRE GAUGE
AWW AMERICAN WATER WORKS ASSOC. | B
BLDG BUILDING
BOD BOTTOM OF DUCT
BOP BOTTOM OF PIPE
BOS BOTTOM OF STRUCTURE
BTU BRITISH THERMAL UNIT | C
CONN CONNECTION
CFM CUBIC FEET PER HOUR
CFM CUBIC FEET PER MINUTE
CFS CIRCULATING CIRCUIT
CCT CENTERLINE
CMT CONCRETE MASONRY UNIT
COG CONCRETE TO GRADE
COL COLUMN
CPVC CHLORINATED POLYVINYL CHLORIDE
CW COLD WATER | D
DB DRY BULB
EAT ENTERING AIR TEMPERATURE
EBA EXHAUST AIR
ELEV ELEVATION
ELEC ELECTRICAL
EQP/EQUIP EQUIPMENT
ESP EXTERNAL STATIC PRESSURE
EWC ELECTRICAL WATER COOLER
EXH EXHAUST | E
EA EACH
EAT ENTERING AIR TEMPERATURE
EBA EXHAUST AIR
ELEV ELEVATION
ELEC ELECTRICAL
EQP/EQUIP EQUIPMENT
ESP EXTERNAL STATIC PRESSURE
EWC ELECTRICAL WATER COOLER
EXH EXHAUST | F
FA FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
FCD FLOOR CLEANOUT
FLA FULL LOAD AMPS
FLX FLEXION
FPM FEET PER MINUTE
FT FEET
F DEGREES FAHRENHEIT | G
GRND GROUND
GAL GALLON
GALV GALVANIZED
GC GENERAL CONTRACTOR
GFI, GFCI GROUND FAULT INTERRUPTER
GPM GALLONS PER HOUR
GPM GALLONS PER MINUTE | H
HD HEIGHT
HD HUB DRAIN
HORIZ HORIZONTAL
HP HORSEPOWER
HTG HEATING
HTR HEATER
HVAC HEATING, VENTILATING & A/C
HW HOT WATER
HYD HYDRANT
HZ HERTZ | I
ID INSIDE DIAMETER
IE INVERT ELEVATION
IN INCH
IN WC INCHES OF WATER COLUMN | J
J-BOX JUNCTION BOX | K
KW KILOWATTS
KWH KILOWATT-HOUR | L
LENGTH
LAT LEAVING AIR TEMPERATURE
LBS # POUNDS
LDB LEAVING DRY BULB
LENG LINEAR FEET
LP LOW PRESSURE
LGA LOCKER ROTOR AMPS
LTC LIGHTING
LWB LEAVING WET BULB
LWT LEAVING WATER TEMPERATURE | M
MAX MAXIMUM
METU/MBH THERM BTU PER HOUR
MCA MINIMUM CIRCUIT AMPACITY
MECH MECHANICAL
MFR MANUFACTURER
MOCPP MAXIMUM OVER CURRENT PROTECTION
MH MAN-HOLE, METAL HALIDE
MIN MINIMUM
MNT MOUNTED | N
N/A NOT APPLICABLE
NC NOISE CRITERIA, NORMALLY CLOSED
NEC NATIONAL ELECTRICAL CODE
NEMA NATIONAL ELECTRICAL MFR'S ASSOC.
NFA NATIONAL FIRE PROTECTION ASSOC.
NTS NOT TO SCALE | O
OA OUTSIDE AIR
OBD OPPOSED BLADE DAMPER
OD OUTSIDE DIAMETER
OH OVERHEAD | P
PD PRESSURE DROP
PH PHASE
PLB PLUMBING
PNL PANEL
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PVC POLYVINYL CHLORIDE | Q
QTY QUANTITY | R
RA RETURN AIR
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
RE REFERENCE, REFER
RECIRC RECIRCULATE
REINFORC REINFORCED
REQD REQUIRED
REV REVISION, REVISE
RH RELATIVE HUMIDITY
RIL RUNNING LOAD AMPS
RPM REVOLUTIONS PER MINUTE | S
SA SUPPLY AIR
SD SMOKE DAMPER, STORM DRAIN
SECT SECTION
SF SQUARE FEET, SQUARE FOOT
SM SHEET METAL
SMACNA SHEET METAL & A/C CONT. NAT'L ASSOC.
SPEC SPECIFICATION
SQ SQUARE
SS STAINLESS STEEL, SANITARY SEWER
STD STANDARD | T
THRU THROUGH
TIP TOTAL PRESSURE
TSP TOTAL STATIC PRESSURE
TSTAT THERMOSTAT
TYP TYPICAL | U
U/G UNDERGROUND
U/S UNDER SLAB
UL UNDERWRITERS LABORATORIES, INC. | V
V VOLT
VA VOLT-AMPERE
VAC VACUUM
VERT VERTICAL
VTR VENT THROUGH ROOF | W
W WATT, WIDTH
W/W WITH
W/O WITHOUT
WB WET BULB
WC WATER COLUMN
WPD WATER PRESSURE DROP
WT WEIGHT | X
XFRMR TRANSFORMER |
|--|--|--|--|--|---|---|---|--|--------------------------------|---|--|---|--|--|---|--------------------------|--|--|--|---|--|--|-------------------------------|

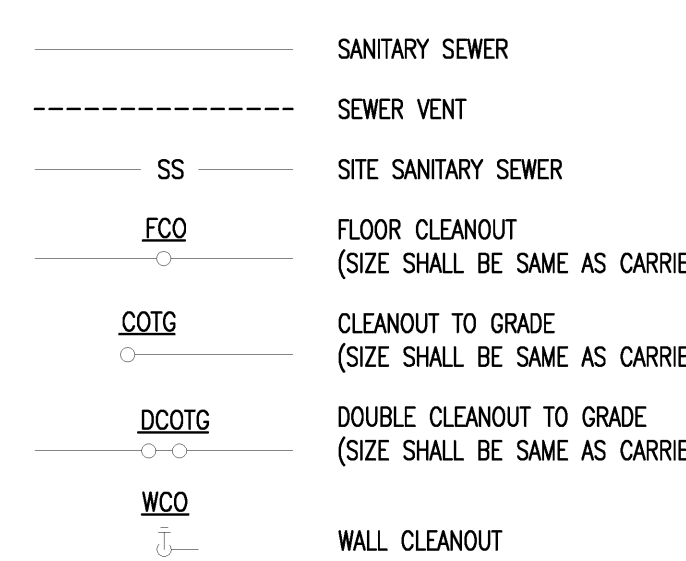
PLUMBING SYMBOLS



DOMESTIC WATER & FIRE PROTECTION

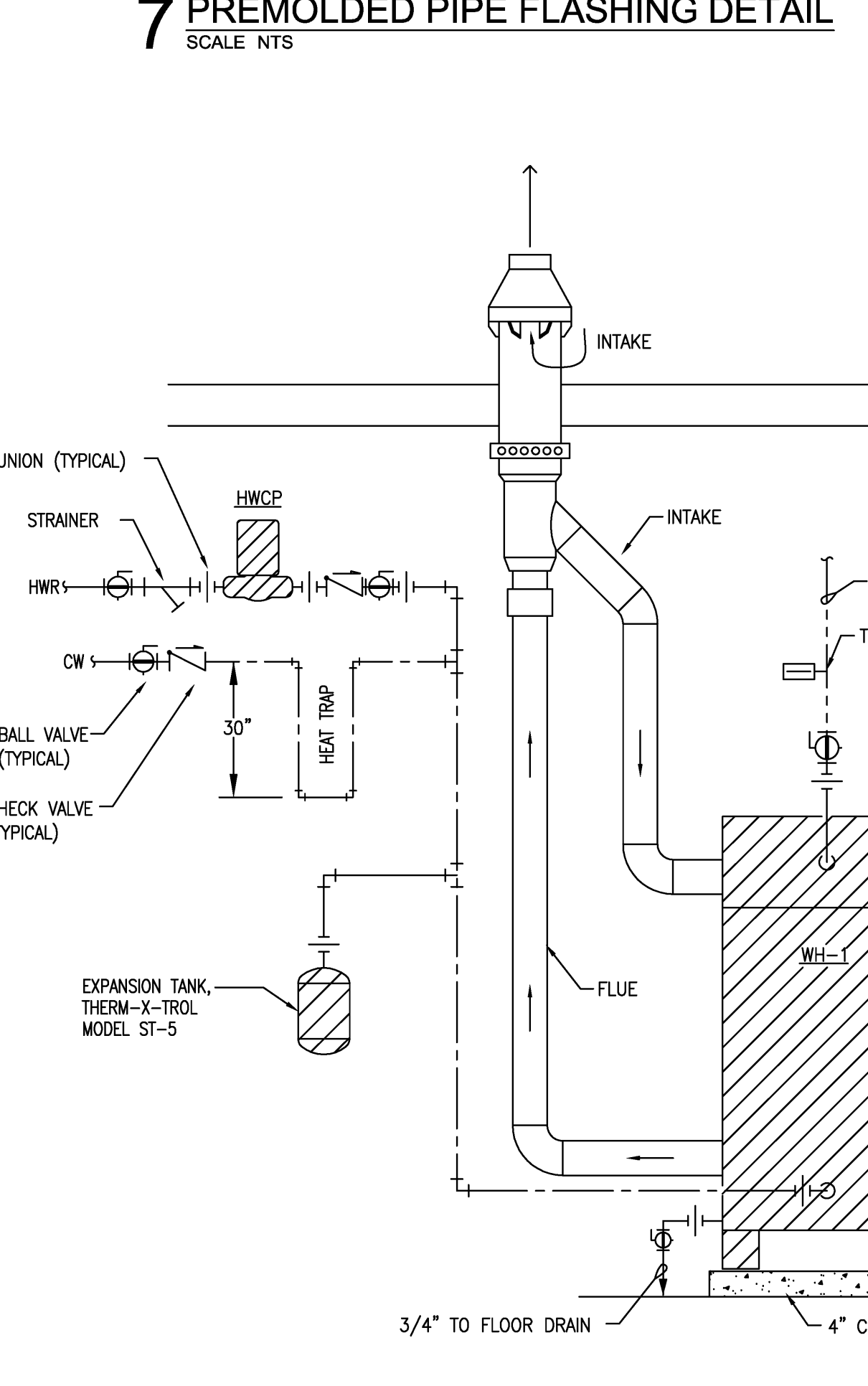
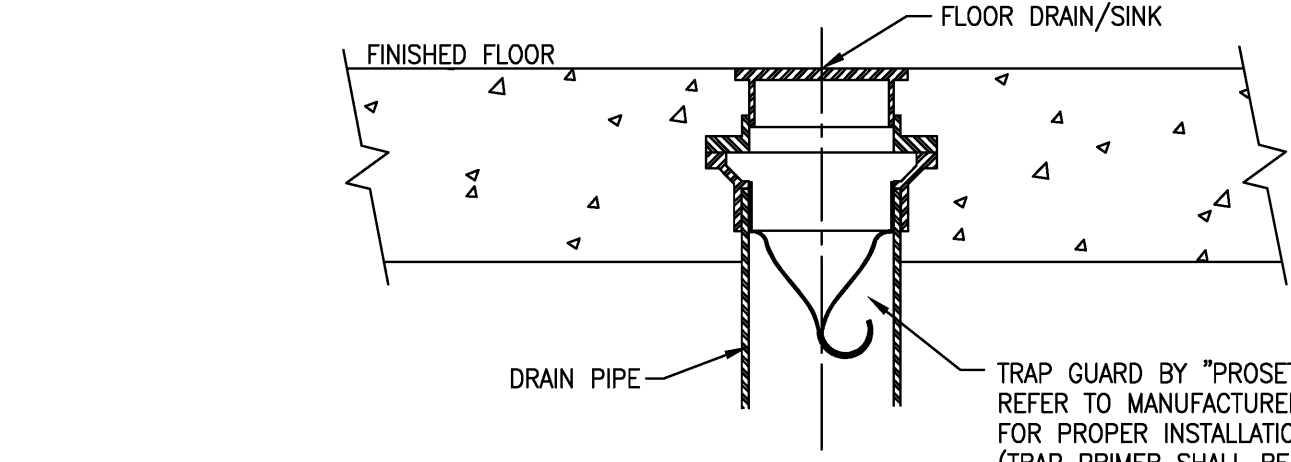
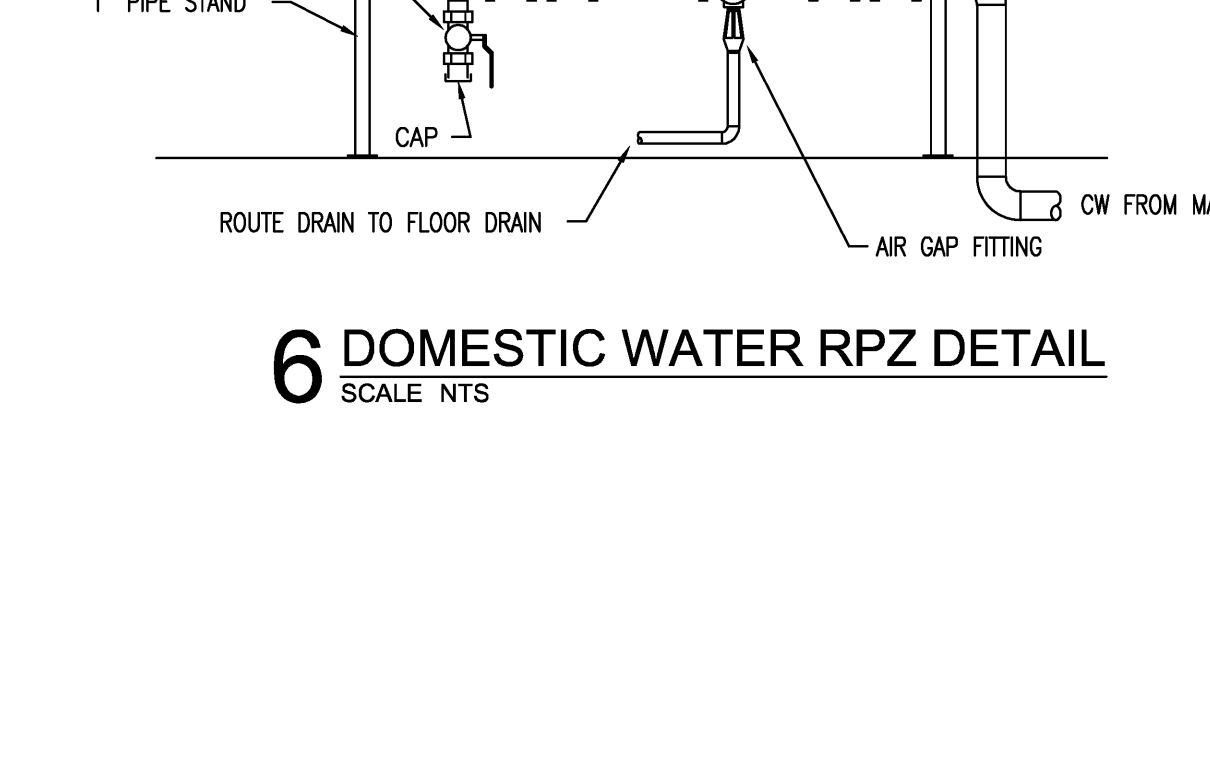
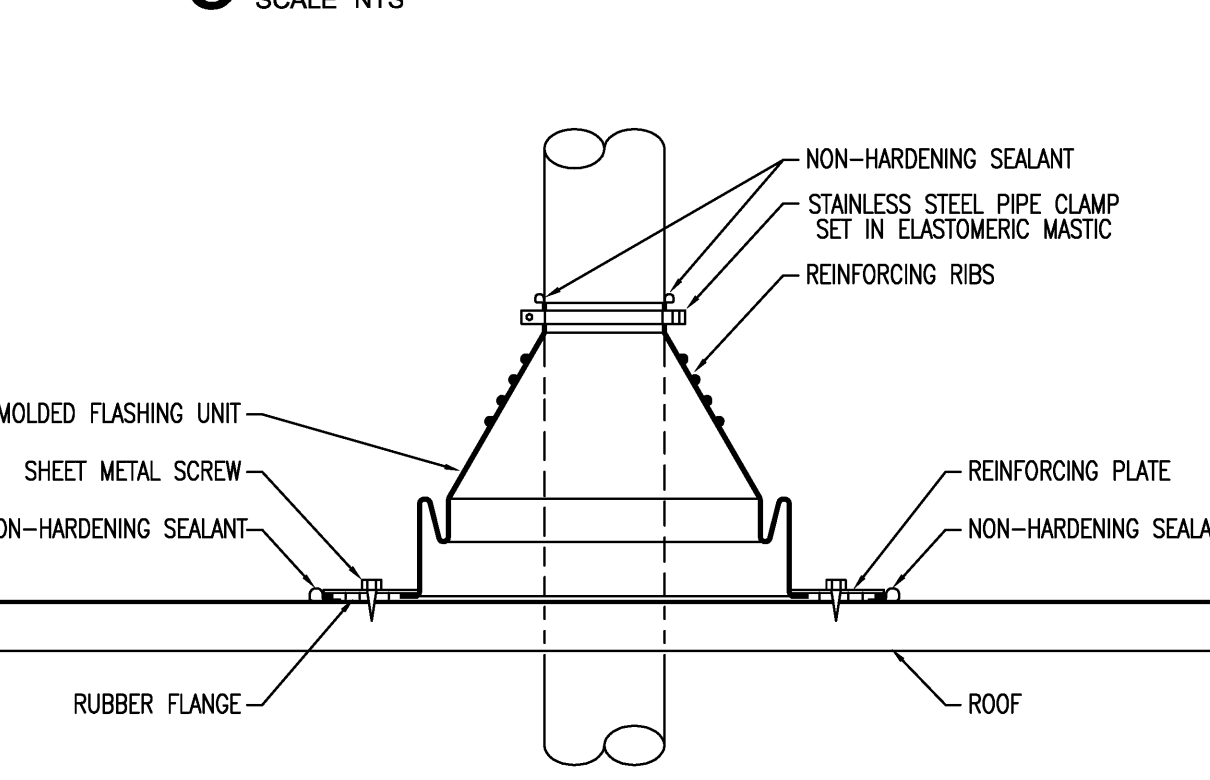
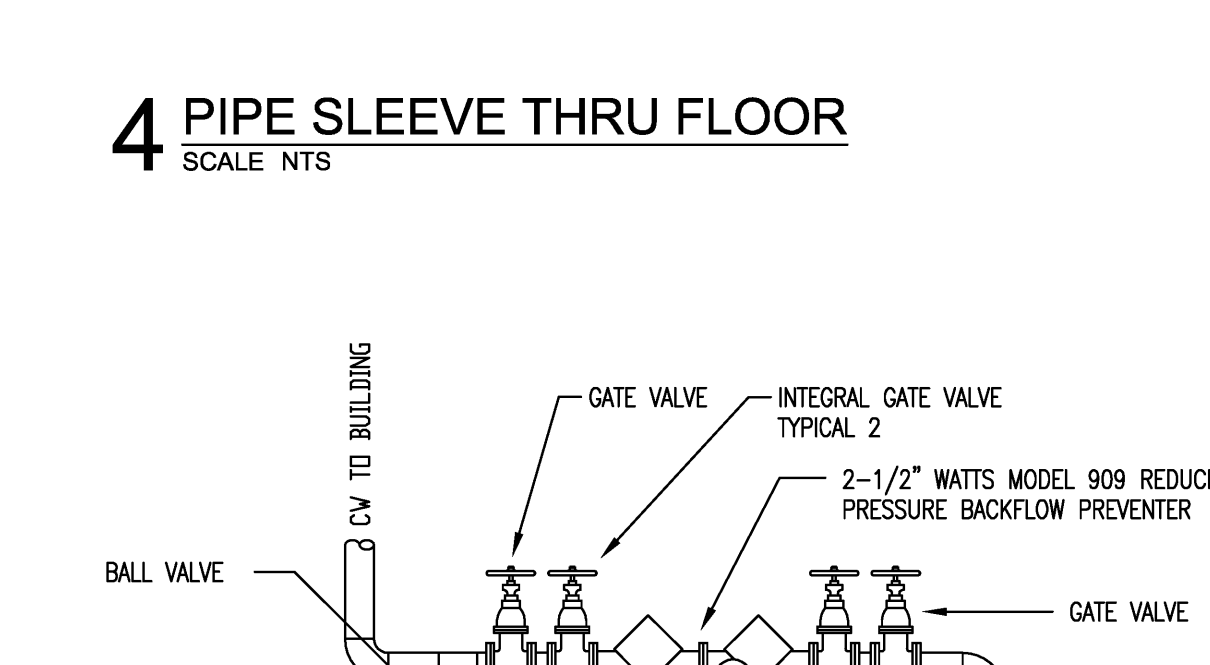
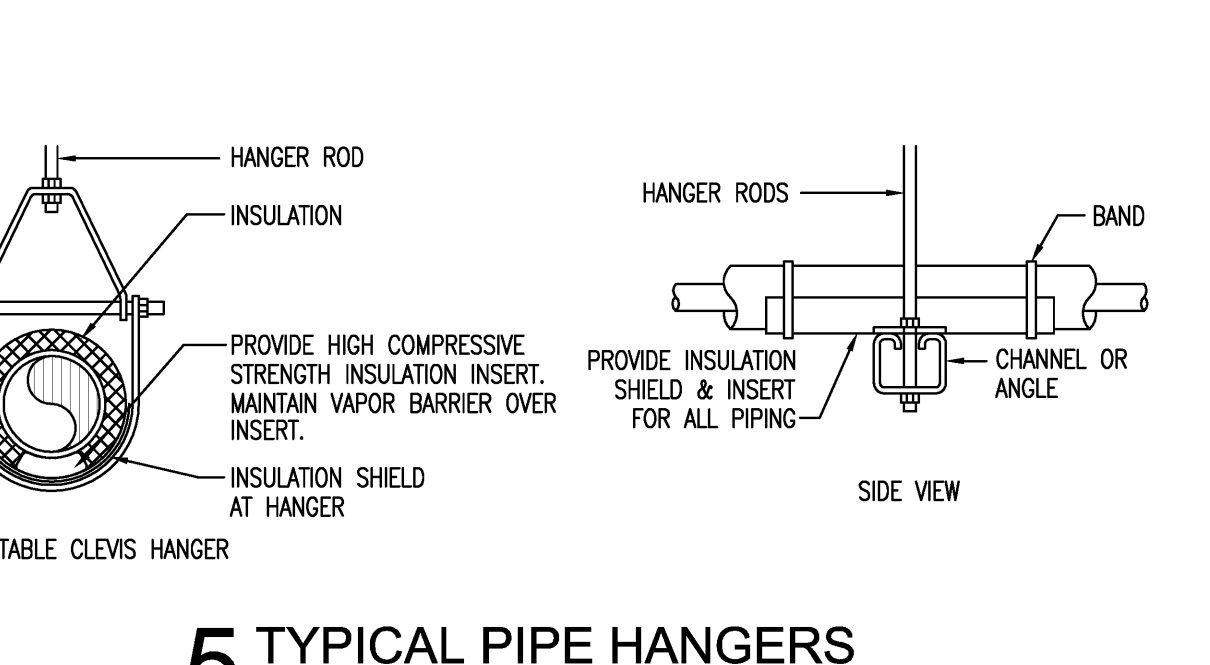
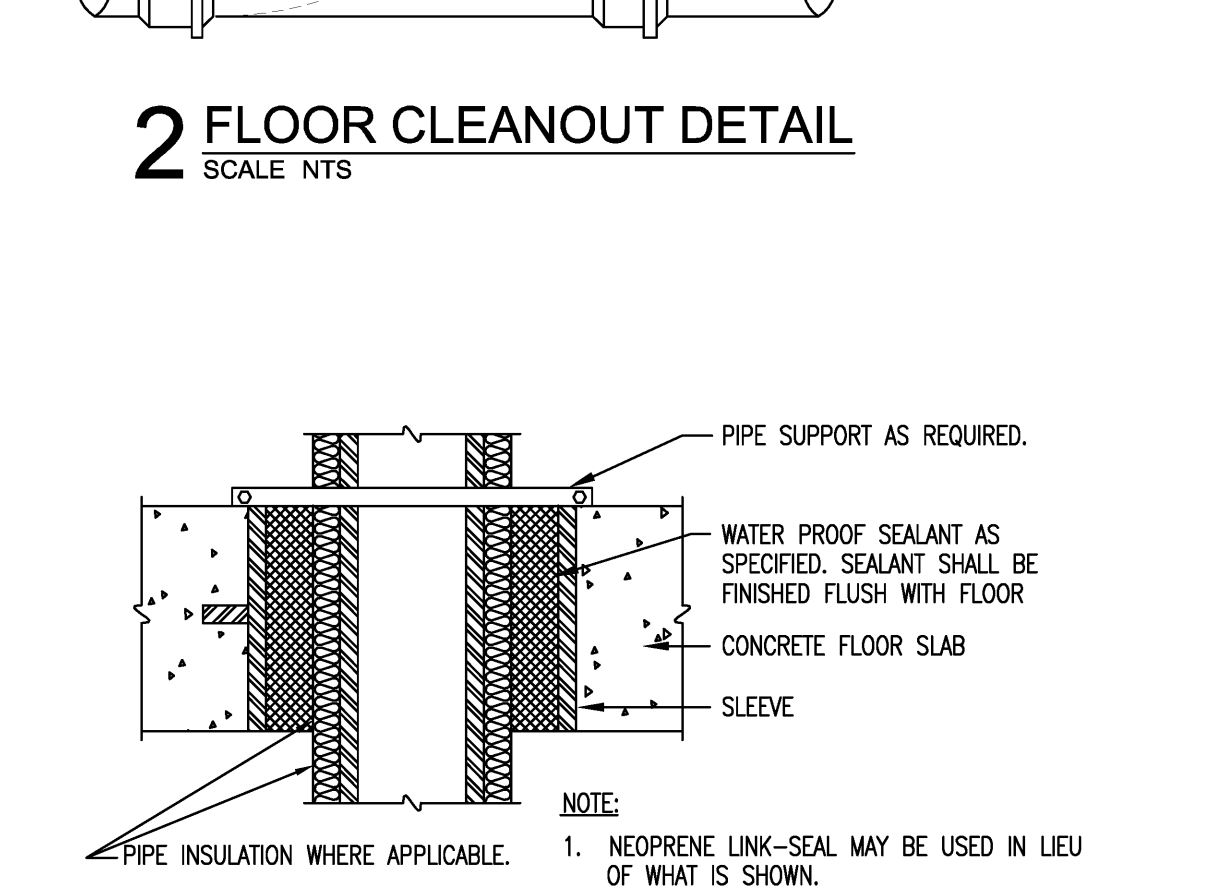
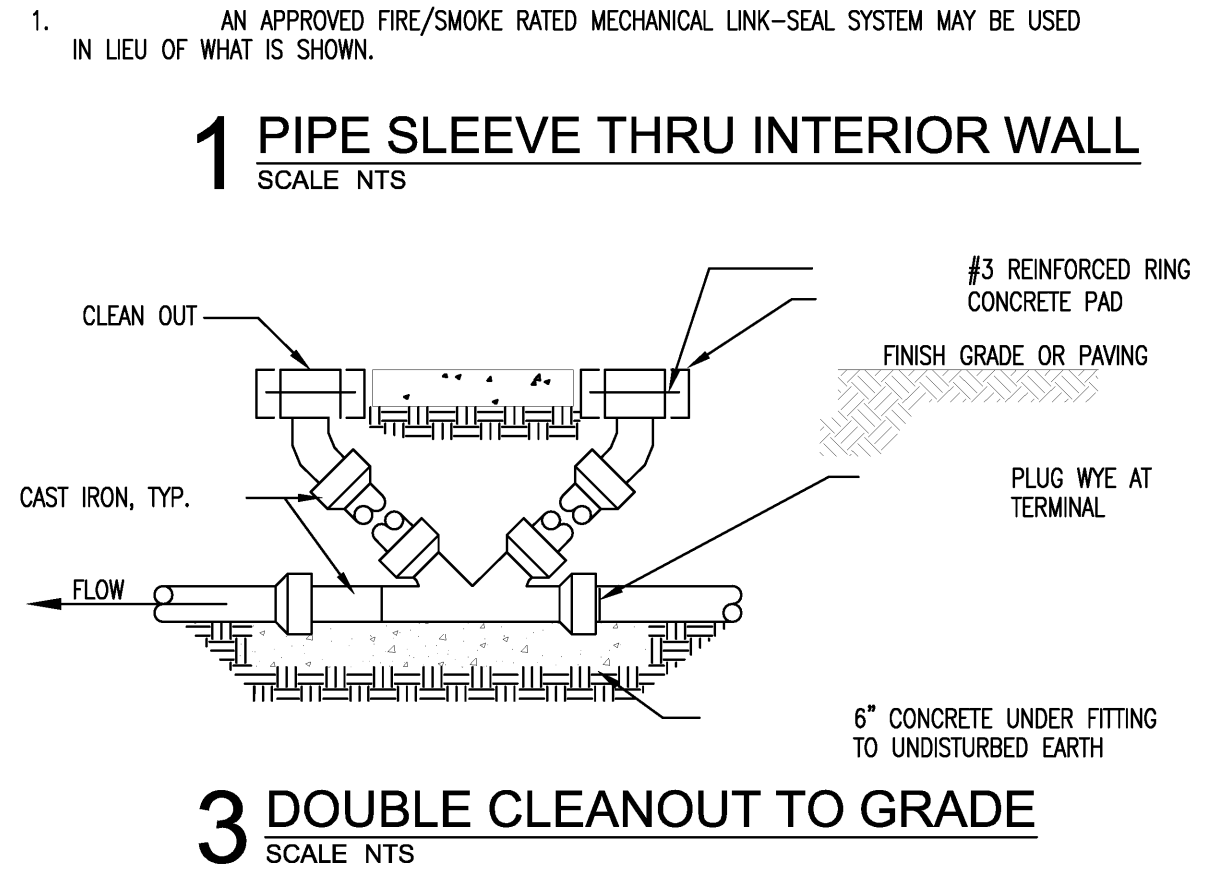
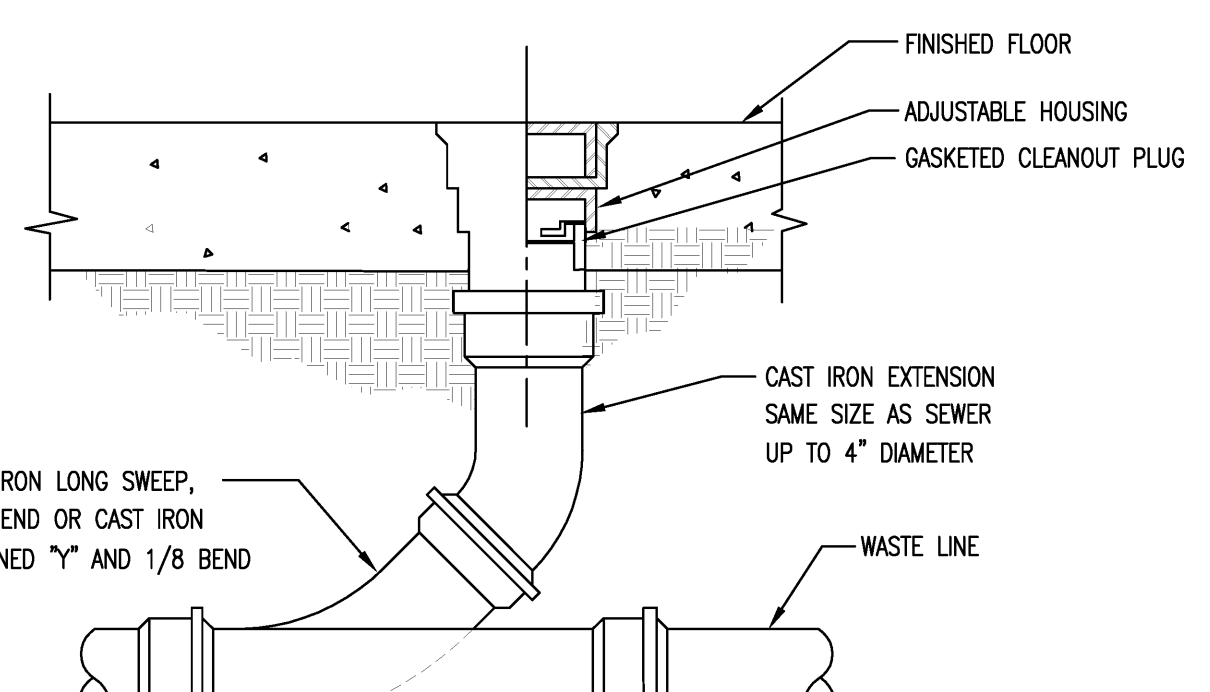
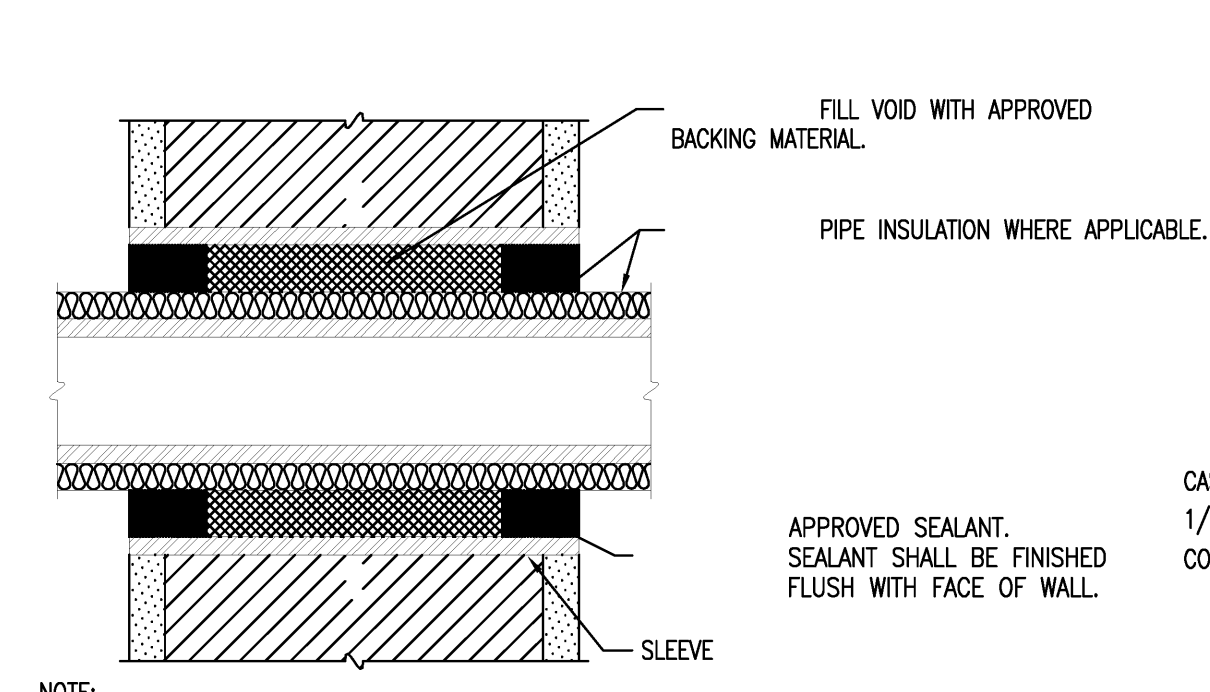


DOMESTIC SEWER



PLUMBING GENERAL NOTES

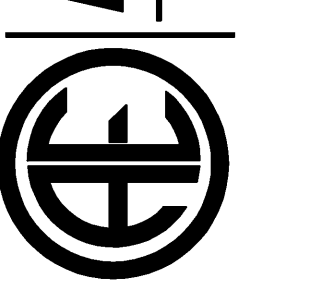
- ALL PLUMBING AND NATURAL GAS WORK SHALL BE INSTALLED AND COMPLY WITH THE REQUIREMENTS OF THE "2006 ARKANSAS PLUMBING CODE," "2006 ARKANSAS FUEL GAS CODE," ALL LOCAL AMENDMENTS AND ORDINANCES GOVERNED BY AUTHORITY HAVING JURISDICTION (AA) AND DIVISION 15 SPECIFICATION.
- ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EXACT FITTING OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE-VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
- EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.
- CONTRACTOR SHALL PAY ALL UTILITY FEES & CHARGES AS PART OF BASE BID IN THE CONTRACT.
- THE CONTRACTOR SHALL VISIT SITE AND VERIFY EXISTING CONDITIONS, INCLUDING SITE UTILITY CONDITION AND ROUTING PRIOR TO BIDDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES; I.E., ARCHITECTURAL, HVAC, ELECTRICAL, STRUCTURAL, AND CIVIL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE UTILITY LOCATIONS, SIZES AND INVERT ELEVATIONS PRIOR TO CONSTRUCTION; I.E., SANITARY SEWER, STORM DRAIN, DOMESTIC WATER AND NATURAL GAS. ALL SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, EXCEPT WHERE SHOWN OTHERWISE. SEE SITE CIVIL DRAWINGS FOR CONTINUATION OF ALL SERVICE LINES.
- PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP OR BATTERY OF FIXTURES IN THE DOMESTIC CW, HW, HWR AND GAS PIPING. VALVES SHALL BE EASILY ACCESSIBLE. WHERE HARD CEILINGS ARE LOCATED, VALVES SHALL BE ACCESSED THROUGH ACCESS PANELS. ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION. WHERE ATTIC WALLS ARE PROVIDED, THE ISOLATION VALVES SHALL BE LOCATED NOT LESS THAN 3 FEET FROM WALKS.
- PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES ON BOTH HOT AND COLD WATER SUPPLY LINES. VALVES, ESCUTCHEONS, FITTINGS, ETC., SHALL BE CHROME PLATED AND INSTALLED TIGHT TO WALL. WHERE PIPING IS EXPOSED, CHROME PLATED PIPE SHALL BE USED. ALL SHUTOFF VALVES SHALL UTILIZE METAL VALVE STEMS, PLASTIC VALVE STEMS NOT ALLOWED.
- SLOPE 2 1/4" AND SMALLER SANITARY SEWER LINES AT MIN. (2%) 1/4" FALL PER FT. AND 3" AND LARGER SANITARY SEWER LINES AT MIN. (1%) 1/4" FALL PER FT. SANITARY SEWER AND WATER SHALL BE A MINIMUM OF 10' APART OR THE DOMESTIC WATER SERVICE SHALL BE 12" ABOVE THE TOP OF THE SEWER LINE, AT ITS HIGHEST POINT, IF PLACED IN SAME TRENCH.
- PROVIDE ALL FITTINGS, TRANSITIONS, COUPLINGS, ADAPTERS, UNIONS, AND OTHER ACCESSORIES NEEDED TO COMPLETE CONNECTIONS AND PROPER OPERATIONS OF PLUMBING FIXTURES AND PLUMBING EQUIPMENT.
- REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT, AND PROPER APPLICATIONS OF SAME.
- PROVIDE CLEANOUTS IN ALL SEWERS, WHETHER SHOWN OR NOT, AT INTERVALS NOT TO EXCEED 100 FEET, AT EACH CHANGE OF DIRECTION GREATER THAN 45 DEGREES, AND AT THE BASE OF ON ALL VERTICAL RISER STACKS (APPROX 24" ABOVE FINISH FLOOR).
- WHERE WATER PRESSURES EXCEED 80 PSI, PROVIDE WATER PRESSURE REDUCING VALVES (PRV) WITH STRAINER IN WATER SUPPLY LINES, SETTING AT 80 PSI. SEE CODE AND MANUFACTURER INFORMATION FOR ACCEPTABLE PRESSURE REQUIREMENTS.
- ALL PIPING PENETRATIONS OF THE RATED CEILING AND WALL MUST BE MADE WITH METAL PIPE OR UL LISTED APPROVED DEVICES. FIRE STOP ALL PIPE PENETRATIONS THRU RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, RATINGS AND FIRE STOPPING DETAILS.
- DO NOT ROUTE ANY PIPING OVER ELECTRICAL PANELS.
- MAINTAIN 10"-0" MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES, OPERABLE WINDOWS AND FLUES, PLUMBING VENTS AND GAS REGULATORS.
- ALL STORM DRAIN, CONDENSATE DRAIN, SEWER & VENT PIPING SHALL BE RODDED AND CLEANED AT END OF CONSTRUCTION. ALL TRAPS SHALL BE CLEANED AND PRIMED AT END OF CONSTRUCTION.
- ALL PIPE DROPS FROM CEILING PLENUM TO FLOOR SHALL BE MADE IN FURROUTS AT COLLUMS, IN WEB OF BEAMS AT COLLUMS OR IN WALLS. PIPING SHALL BE CONCEALED UNLESS APPROVED BY ARCHITECT.
- PROVIDE WATER HAMMER ARRESTORS IN FIXTURE BENCHES WHERE QUICK CLOSING VALVES ARE INSTALLED; I.E., FLUSH VALVES, ICE MAKERS, DISHWASHERS, ETC.
- BELOW SLAB WATER PIPE TO BE TYPE K SOFT DRAWN COPPER WITHOUT FITTINGS OR JOINTS. SLEEVE IN ENTIRETY WITH ARMAFLEX OR APPROPRIATE POLYETHYLENE SLEEVE MATERIAL.
- PROVIDE APPROVED BACKFLOW PREVENTION OR ANTI-SIPHON DEVICES AT ALL FIXTURES THAT COULD CONTAMINATE THE POTABLE WATER SYSTEM.
- INSULATE ALL WATER PIPING ABOVE FINISH FLOOR. INSULATION SHALL MEET LOCAL ENERGY CODE REQUIREMENTS IN THICKNESS AND U-VALUE.
- INSULATE ALL EXPOSED HOT WATER & DRAIN PIPING FOR ACCESSIBLE FIXTURES PER ANSI A117.1 AND ADA REQUIREMENTS.



MARK	DESCRIPTION	MFR. & MDL.	ACCESSORIES	FAUCET & FITTINGS	STOPS	TRAP	WASTE ROUGH-IN	VENT ROUGH-IN	WATER ROUGH-IN	REMARKS
WC1	WATER CLOSET, FLOOR MOUNT, VITREOUS CHINA, FLUSH VALVE	AMERICAN STANDARD "COLORADO" 3543.001US	CHURCH #8500NSC, ELONGATED OPEN FRONT SEAT, BOLT CAPS	SLOAN ROYAL 111-1.28 FLUSH VALVE	INTEGRAL	INTEGRAL	4"	2"	1"	MOUNT TO MIN. RIM HEIGHT 15" A.F.F.
WC2	WATER CLOSET, A.D.A., FLOOR MOUNT, VITREOUS CHINA, FLUSH VALVE	AMERICAN STANDARD "COLORADO" 3541.001US	CHURCH #8500NSC, ELONGATED OPEN FRONT SEAT, BOLT CAPS	SLOAN ROYAL 111-1.28 FLUSH VALVE	INTEGRAL	INTEGRAL	4"	2"	1"	MOUNT TO ADA REQUIREMENTS, MIN. RIM HEIGHT 17" A.F.F.
L1	LAVATORY, WALL MOUNT, WHITE VITREOUS CHINA	AMERICAN STANDARD "LUCERNE" 0355.012	FLAT GRID STRAINER	DELTA 541-WF	McGUIRE #8872	McGUIRE #8872	2"	2"	1/2"	PROVIDE WALL CARRIER.
L2	LAVATORY, WALL MOUNT, WHITE VITREOUS CHINA, A.D.A.	AMERICAN STANDARD "LUCERNE" 0355.012	FLAT GRID STRAINER	DELTA 541-WF	McGUIRE #8872	McGUIRE #8872	2"	2"	1/2"	PROVIDE WALL CARRIER. MOUNT TO A.D.A. REQUIREMENTS, MAX. RIM HEIGHT 34" A.F.F. SHIELD DRAIN AND SUPPLY PIPING WITH TRUBRO LAY GUARD OR EQUAL IN EXPOSED LOCATIONS.
JS	JANITOR'S SINK 24" x 24" x 12"	STERN-WILLIAMS SBC1500	STAINLESS STEEL CAP, CAST BRASS DRAIN BODY, STAINLESS STEEL STRAINER, AND INT. BASKET, STAINLESS STEEL SPLASH PANELS, FLAT 30" FLEX HOSE, HOSE HOOKS, AND 4" COLOR INDEXED WRIST BLADE HANDLES.	DELTA 28C284 MIXING FAUCET W/ VACUUM BREAKER, INT. STOPS, ADJUSTABLE WALL BRACE, PAL HOOK, AND 4" COLOR INDEXED WRIST BLADE HANDLES.	McGUIRE #8872	McGUIRE #8872	3"	2"	3/4"	PROVIDE WALL CARRIER. MOUNT TO A.D.A. REQUIREMENTS, MAX. RIM HEIGHT 34" A.F.F. SHIELD DRAIN AND SUPPLY PIPING WITH TRUBRO LAY GUARD OR EQUAL IN EXPOSED LOCATIONS.
S1	SINGLE COMPARTMENT SINK	ELKAY LR-2219 - OVERALL 22"L x 19 1/2"W (16" x 16" x 7 1/2" BOWL)	18 GAUGE STAINLESS STEEL, CENTER OUTLET, W/ CHROME P-TRAP	DELTA 100LF-HDF SINGLE LEVER FAUCET WITH 8" SWING SPOUT.	McGUIRE #177 STOPS	McGUIRE #8904	2"	2"	1/2"	MOUNT IN ARCHITECTURAL COUNTERTOP. PROVIDE WITH REMOVABLE STRAINER BASKET.
EWC	ELECTRIC WATER COOLER DUAL LEVEL, ALL STAINLESS STEEL FINISH	QASIS MODEL #F8ACSL	PROVIDE DUAL LEVEL WALL CARRIER	N/A	McGUIRE #8872	McGUIRE #8872	2"	2"	1/2"	INSTALL ELECTRIC WATER COOLER WITH LIP OF UPPER BOWL AT 37" A.F.F. TO MEET A.D.A.
HB	FREEZELESS WALL HYDRANT	WOODFORD #65	INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERNALS, STAINLESS STEEL FACE AND OPERATING KEY	N/A	N/A	N/A	N/A	N/A	3/4"	
HWCP	HOT WATER CIRCULATOR PUMP	TACO #013-SF3 STAINLESS STEEL VOLUTE, 120V/1PH, 1/6 HP, 7 GPM AT 22 FEET HEAD	PROVIDE ISOLATION VALVES, PLUG SET, TIMER, AND AQUASTAT PACKAGE	N/A	N/A	N/A	N/A	N/A	1"	
WH	GAS WATER HEATER, 80 GALLON	RHEEM SPIDERFIRE GHERBES-130(A), 80 GALLON, 130 CH, 170 GPM RECOVERY AT 90 DEG. RISE	PROVIDE AUXILIARY PAN AND EQUIPMENT PAD, MANUFACTURER'S INTAKE AND COMBUSTION AIR VENT PIPING CONCENTRIC KIT, AND THERMOMETER W/ BRASS THERMOMETER WELL	PROVIDE AMTRON ST-5 EXPANSION TANK.	N/A	N/A	N/A	N/A	1"	EXTEND T&P TO FLOOR DRAIN AS SHOWN. VENT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
MV	MIXING VALVE	LEONARD MODEL TM-1520B-LF-DT, 25 GPM FLOW AT 10 PSI PRESSURE DROP.	SOLID BI-METAL THERMOSTAT, COLOR CODED DIALS, LOCKING TEMP. REGULATOR HANDLES, ADJ. STOPS, CHECKSTOPS.	N/A	N/A	N/A	N/A	N/A	1 1/4"	FACTORY PRE-ASSEMBLED AND TESTED. SET TO 75°F DISCHARGE. MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION.
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS MODEL LF009	INLET STRAINER, ISOLATION BALL VALVES, AND 4 TEST PORTS.	N/A	N/A	N/A	N/A	N/A	2 1/2"	MOUNT IN DOMESTIC WATER SERVICE LINE, MINIMUM 18" AFF. ROUTE FULL SIZE DISCHARGE THRU AIR GAP FITTING TO JAN. SINK OR DRAIN PROVIDED.

A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

ARCHITECTURAL ENGINEERING
 CONSULTANTS, LLC.
 P.O. Box 94789 - North Little Rock, AR 72190
 501.379.9590 Phone - 501.379.9716 Fax
 AEC Job #: 0805.16.002



ISSUE DATE: 03-10-2017

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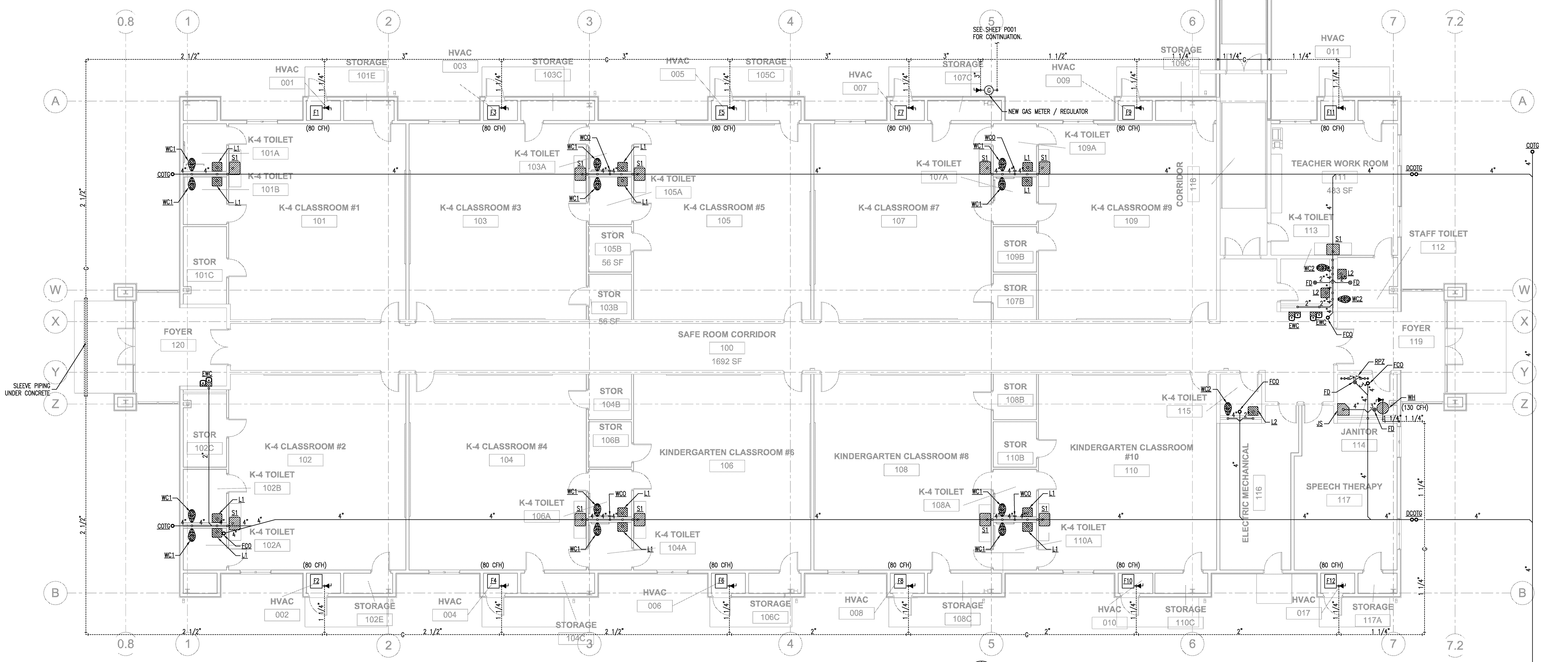
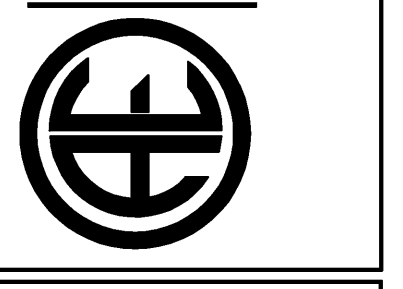
PLUMBING GENERAL NOTES, LEGEND, ABBREVIATIONS, DETAILS, & SCHEDULE

James Primm, PE
 Digitally signed by James Primm, PE
 DN: C=US,
 E=james.primm@apecc.com, OU=Architectural Engineering Consultants, P. R. Primm
 Date: 2017.03.17 15:30:19-05'00'



A NEW K-4 CLASSROOM BUILDING
 FOR
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 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

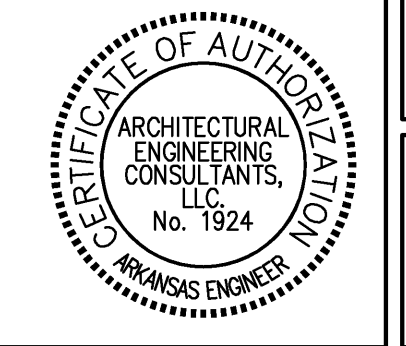
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 AEC Job #: 0603.16.002



1 SANITARY WASTE AND VENT PLUMBING PLAN
 SCALE 1/8" = 1'-0"

SEE SHEET P001 FOR CONTINUATION.

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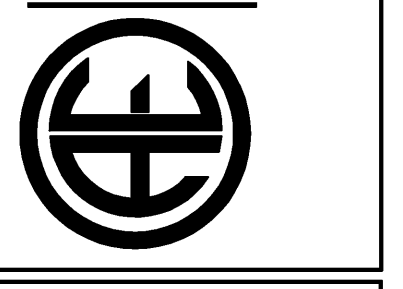


James Primm, PE
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 FOR
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 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

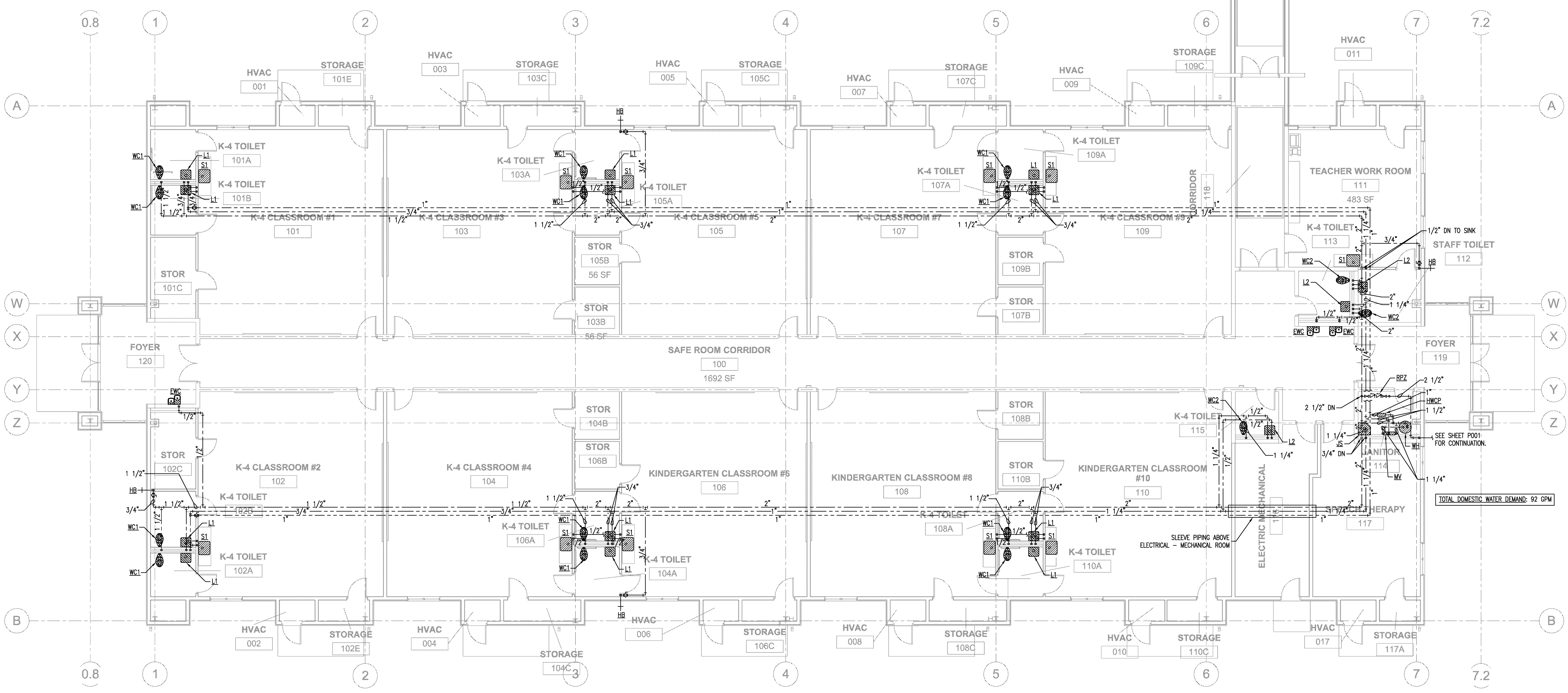
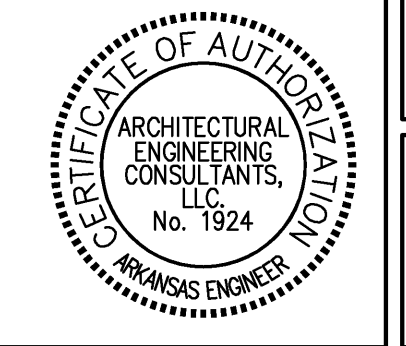
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DOMESTIC WATER PLUMBING PLAN

P301



1 DOMESTIC WATER PLUMBING PLAN
 SCALE 1/8" = 1'-0" N

TOTAL DOMESTIC WATER DEMAND: 92 GPM

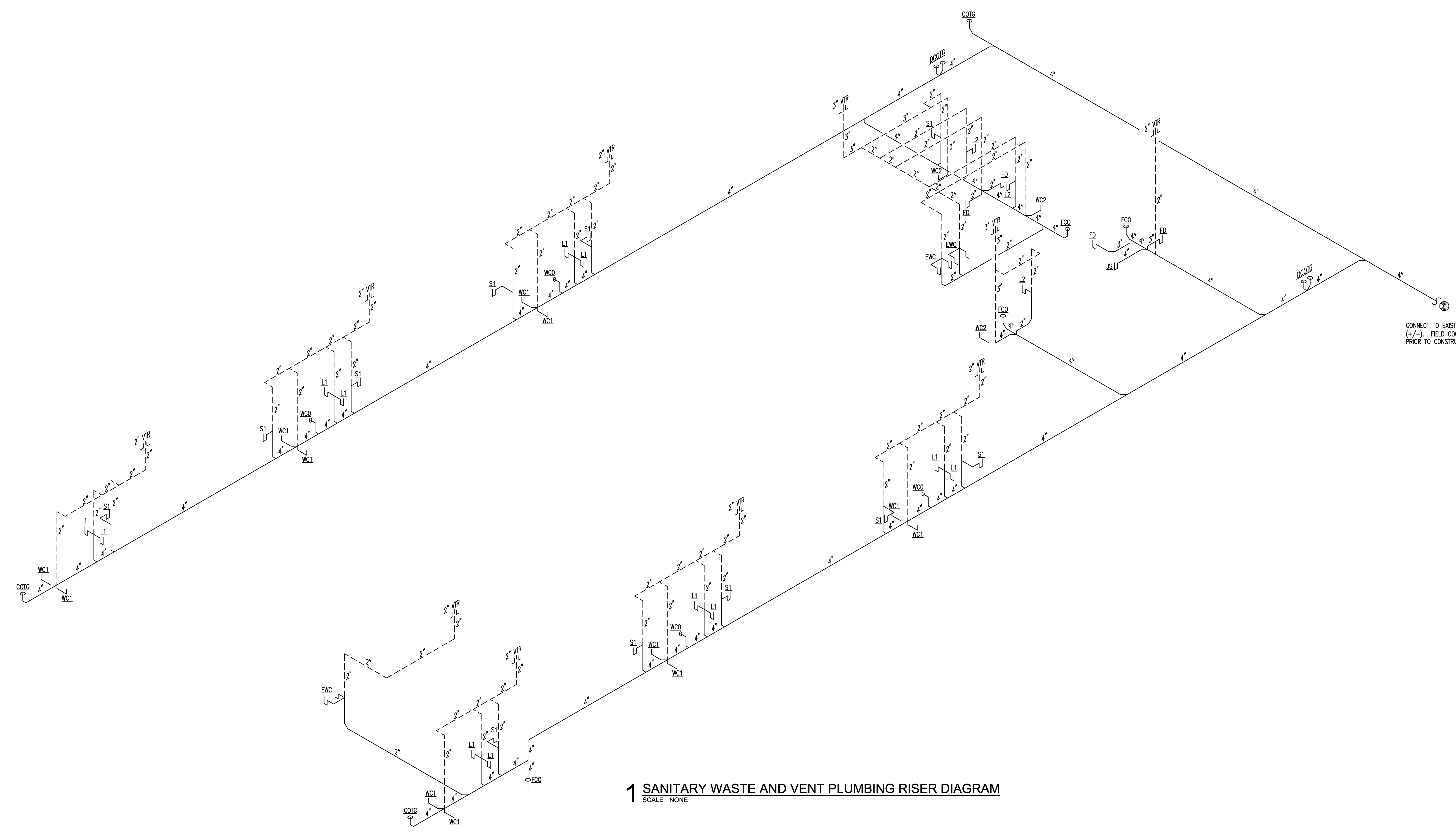
SLEEVE PIPING ABOVE
 ELECTRICAL - MECHANICAL ROOM
 ELECTRIC MECHANICAL

SEE SHEET P001
 FOR CONTINUATION.

Digitally signed by James Primm, PE
 DN: C=US, E=james.primm@aei-llc.com, OU=ARCHITECTURAL ENGINEERING CONSULTANTS, INC., CN=James Primm, PE
 Date: 2017.03.17 15:31:02 -0500



James Primm, PE

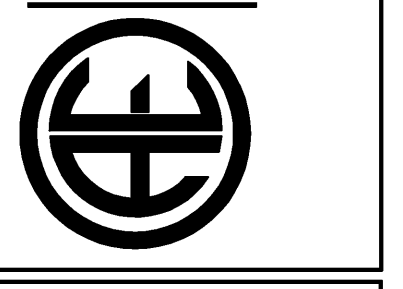


CONNECT TO EXISTING MANHOLE, SOUTH 150' FT
 (+/-) FIELD COORDINATE EXACT LOCATION
 PRIOR TO CONSTRUCTION.

1 SANITARY WASTE AND VENT PLUMBING RISER DIAGRAM
 SCALE: NONE

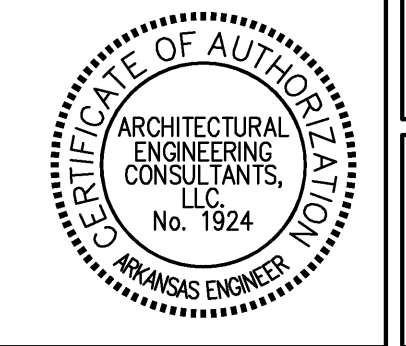
A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

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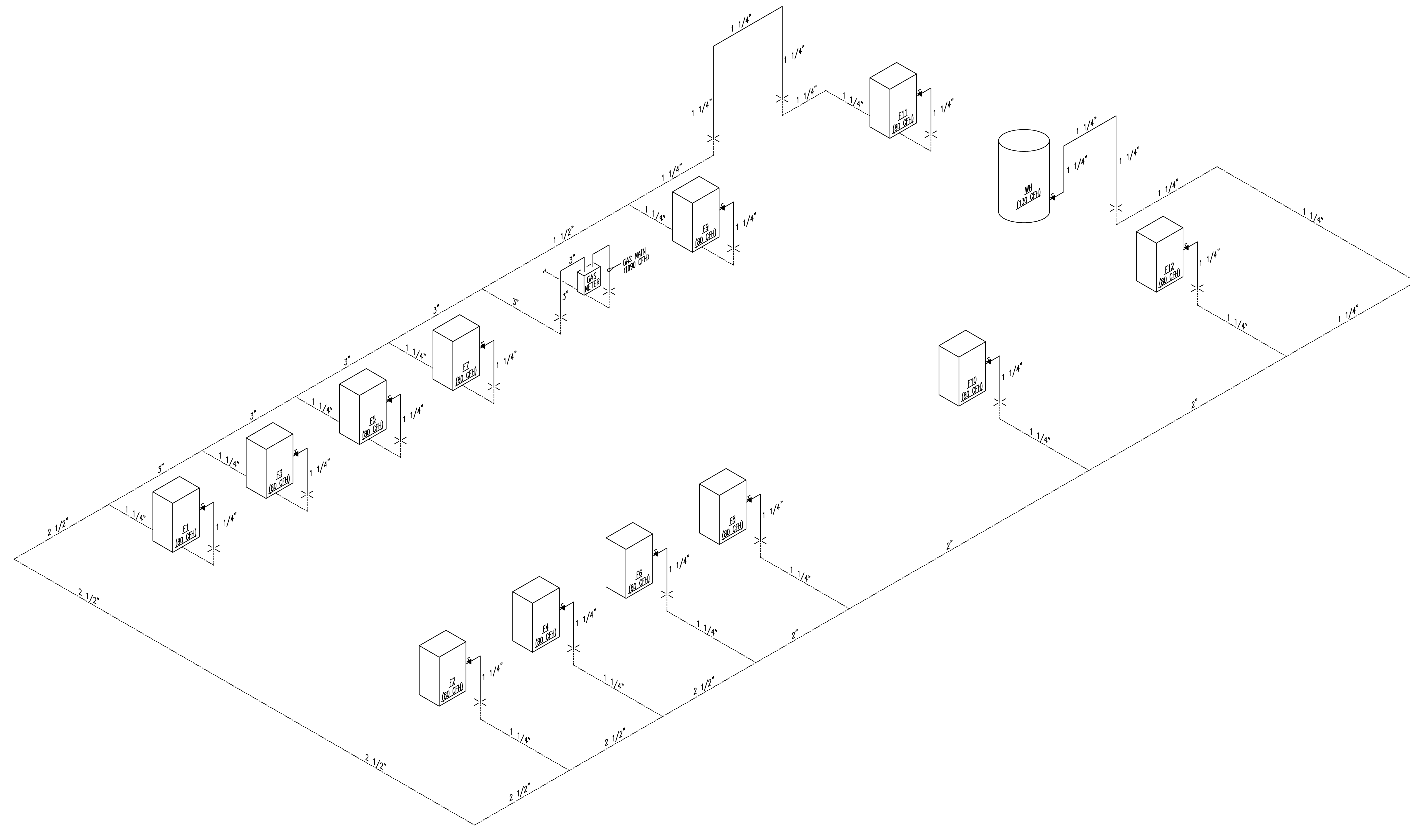


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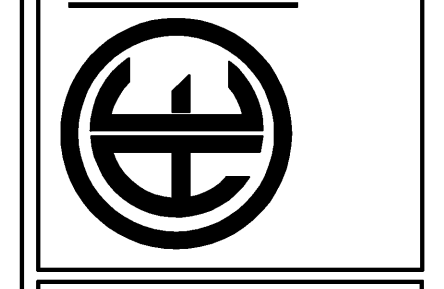
James Primm, PE
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 E=james.primm@aecc.com,
 OU="O", CN=James Primm, PE
 Date: 2017.03.17
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1 NATURAL GAS RISER DIAGRAM
 SCALE: NONE

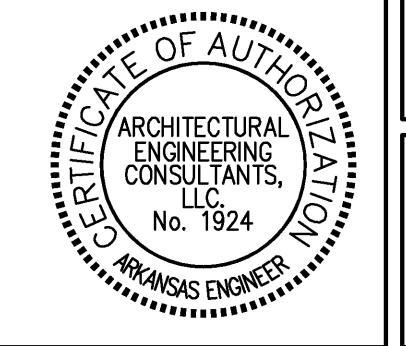
A NEW K-4 CLASSROOM BUILDING
 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS, IMBODEN ARKANSAS

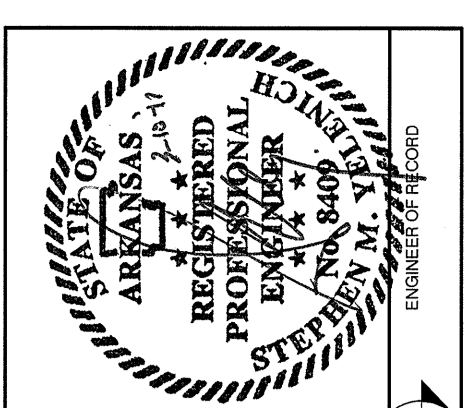
ARCHITECTURAL ENGINEERING CONSULTANTS, L.L.C.
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 AEC Job #: 0603.16.002



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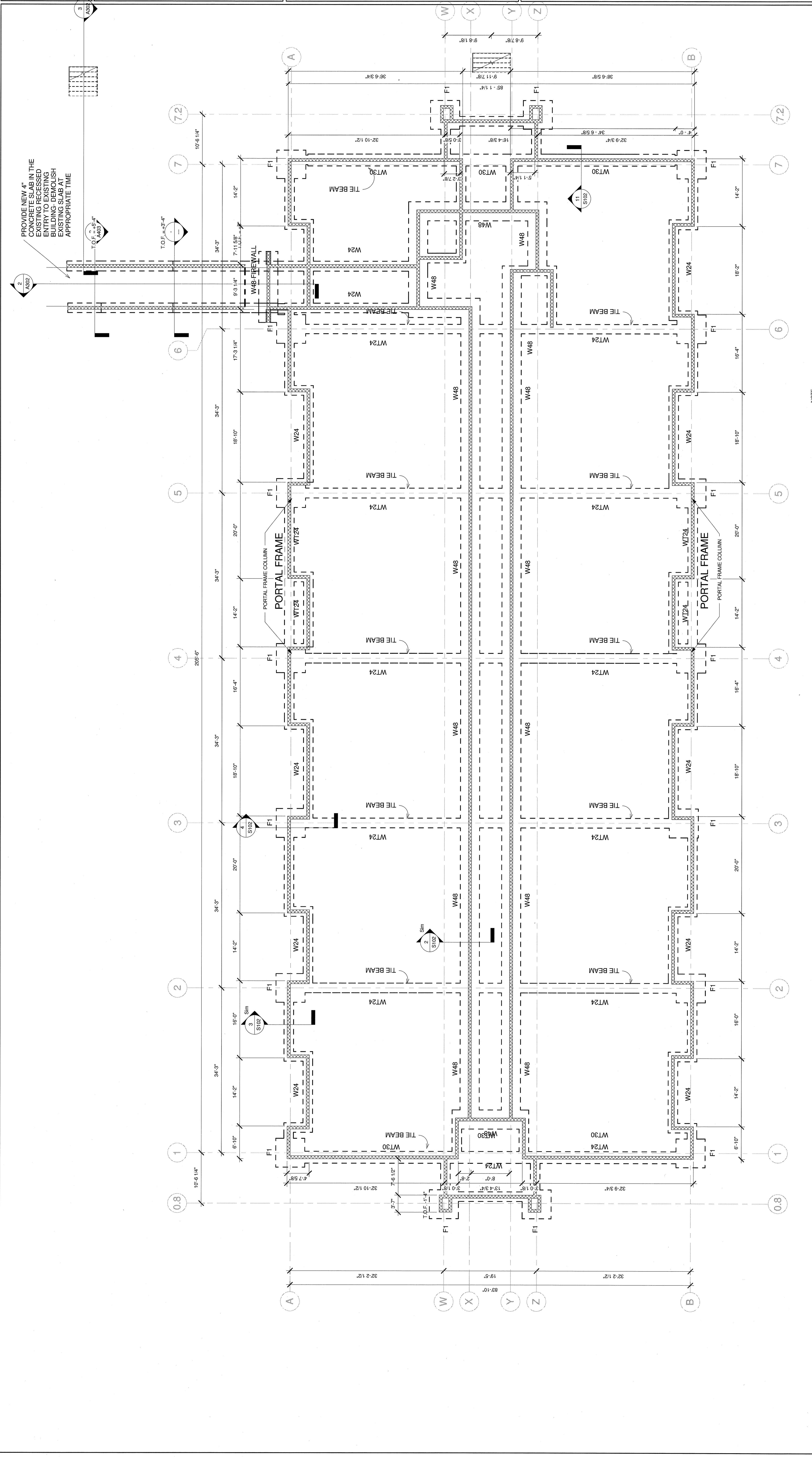
FOR
SLOAN HENDRIX SCHOOL DISTRICT
SLOAN HENDRIX SCHOOL CAMPUS,
IMBODEN ARKANSAS

YELENICH
ENGINEERING SERVICES
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FAX: 501-481-6925
12017 MARNO ROAD NORTH LITTLE ROCK, AR 72118
PHONE: 501-519-1300

ISSUE DATE: 9/10/2017
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FOUNDATION AND STEM WALL PLAN
NO. DATE
NO. DATE
NO. DATE
NO. DATE
NO. DATE

S101



FOUNDATION & STEM WALL PLAN
1/8" = 1'-0"

FILL MATERIAL NOTE:
CONTRACTOR TO USE SELECT FILLS UNDER SLAB. ALL
MATERIALS TO BE COMPACTED TO 95% RELATIVE
MODIFIED DENSITY OR HIGHER. CLAY MATERIALS NOT
ALLOWED UNLESS APPROVED BY GEO-TECH.

NOTE:
SEE PLUMBING PLAN FOR FLOOR
DRAIN LOCATIONS. SEE DETAIL
103301

FOUNDATION SOIL BEARING NOTES:
1. FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL GRADE OR FILL THAT HAS BEEN COMPACTED OR
MODIFIED IN A PROFESSIONAL MANNER TO ACHIEVE THE SOIL BEARING CAPACITIES AS INDICATED IN THESE PLAN
DOCUMENTS.
2. A PROFESSIONAL TESTING LABORATORY SHALL BE ENGAGED BY THE CONTRACTOR TO PERFORM SOIL TESTING ON ALL
FILL MATERIALS FOR THE NEW FOOTINGS AND BUILDINGS AND VERIFY THAT THE REQUIRED MINIMUM BEARING CAPACITY HAS
BEEN OBTAINED.
3. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A REGISTERED SOILS ENGINEER, PRIOR TO CASTING OF
CONCRETE IN THE FOOTINGS.
4. THE FOUNDATION IS DESIGNED FOR 2,000 P.S.F. SOIL BEARING PRESSURE.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST THE ACTUAL SOIL BEARING CAPACITY PRIOR TO
FOUNDATION CONSTRUCTION. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST THE ACTUAL SOIL
FOR QUALITIES THAT ARE UNSUITABLE FOR CONSTRUCTION (EXPANSIVE SOILS, ETC.), PRIOR TO CONSTRUCTION.
6. IF IT IS DETERMINED THAT THE ACTUAL SOIL BEARING CAPACITIES ARE LESS THAN 2,000 P.S.F. OR THAT THE ACTUAL
FOUNDATION CONSTRUCTION IS UNDESIRABLE FOR CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT
IMMEDIATELY TO DETERMINE THE CHANGES THAT WILL BE REQUIRED IN THE FOUNDATION DESIGN.
7. NO FOUNDATION CONSTRUCTION SHALL OCCUR UNTIL TESTING HAS DETERMINED THE ACTUAL SOIL BEARING
CAPACITY.

LEGEND

W77 FOUNDATION MARK SEE FOOTING SCHEDULE THIS SHEET
--- DESIGNATED CONTROL JOINTS - SEE DETAIL SHEET

FOOTING SCHEDULE

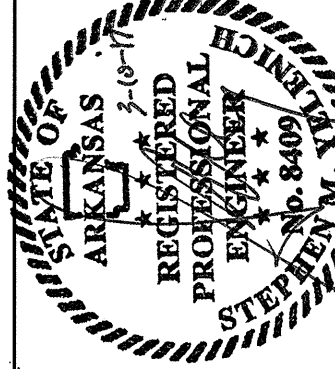
MARK	FOOTING SIZE	REINFORCEMENT
F1	6'-0" x 6'-0" x 1'-4"	(7) #5S AT BOTTOM EVENLY SPACED EACH WAY
WT24	2'-0" x 1'-0" x 1'-0" CONT. (TIE BEAM)	(2) #5 BOTTOM CONT. & #4 TIES AT 24" OC
WT30	2'-0" x 1'-0" x 1'-0" CONT. (TIE BEAM)	(2) #5 BOTTOM CONT. & #4 TIES AT 24" OC
W24	2'-0" x 1'-4" CONT.	(4) #5 BOTTOM CONT. & #4 TIES AT 24" OC
W48	4'-0" x 1'-4" CONT.	(6) #5 BOTTOM CONT. & #4 TIES AT 24" OC

REINFORCING BAR SPICE TABLE

BAR SIZE	SPICE LENGTH
#4	2'-0"
#5	2'-6"
#7	3'-6"
#8	4'-0"

BOND BEAM GENERAL NOTE:
BOND BEAMS THAT CHANGE COURSE ARE
TO OVERLAP A MINIMUM 8'-0"

CMU GENERAL NOTE:
ALL CMU BLOCK ARE TO HAVE ROUNDED
CORNERS AND EGES AT WINDOW AND
DOOR OPENINGS AND CORNERS

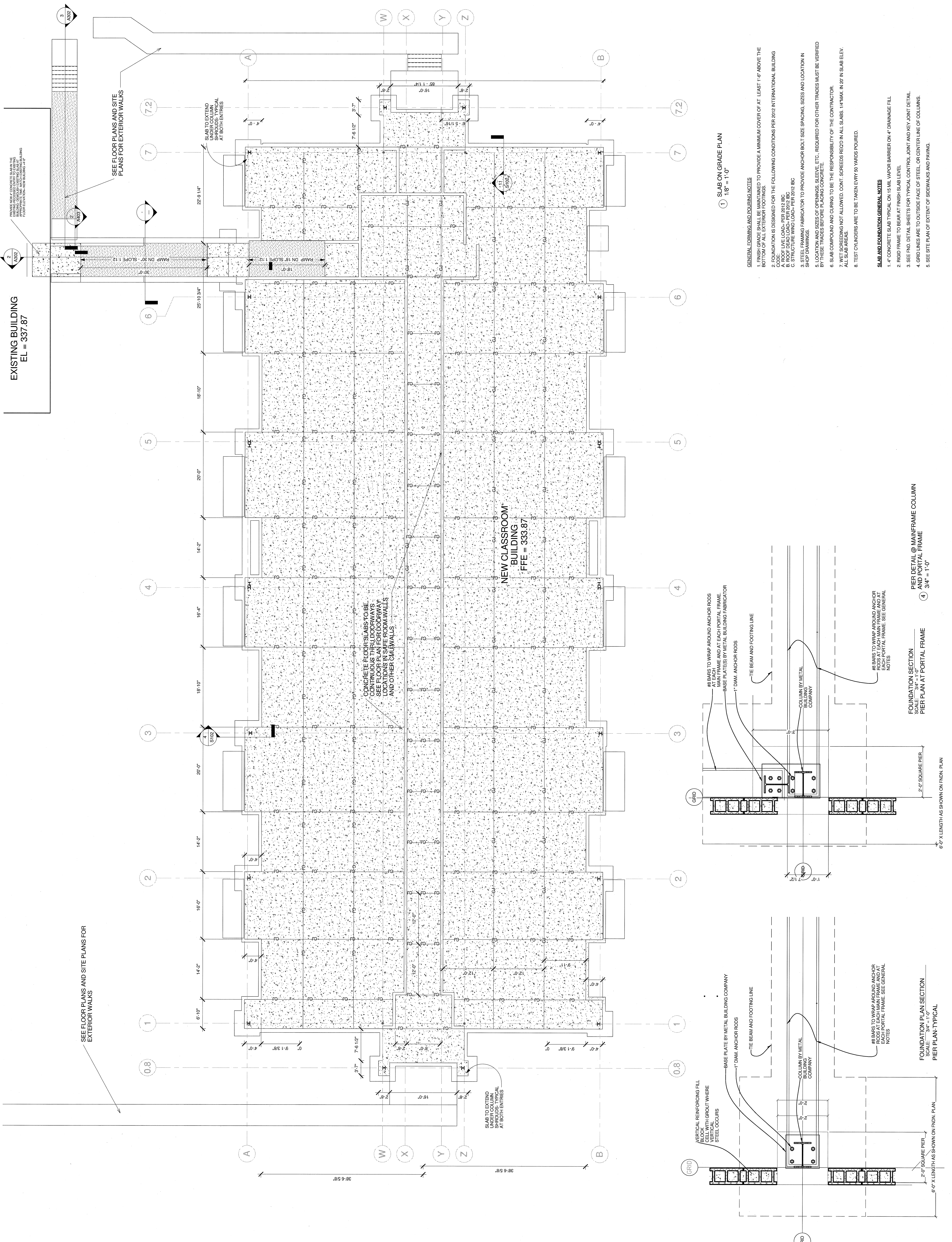


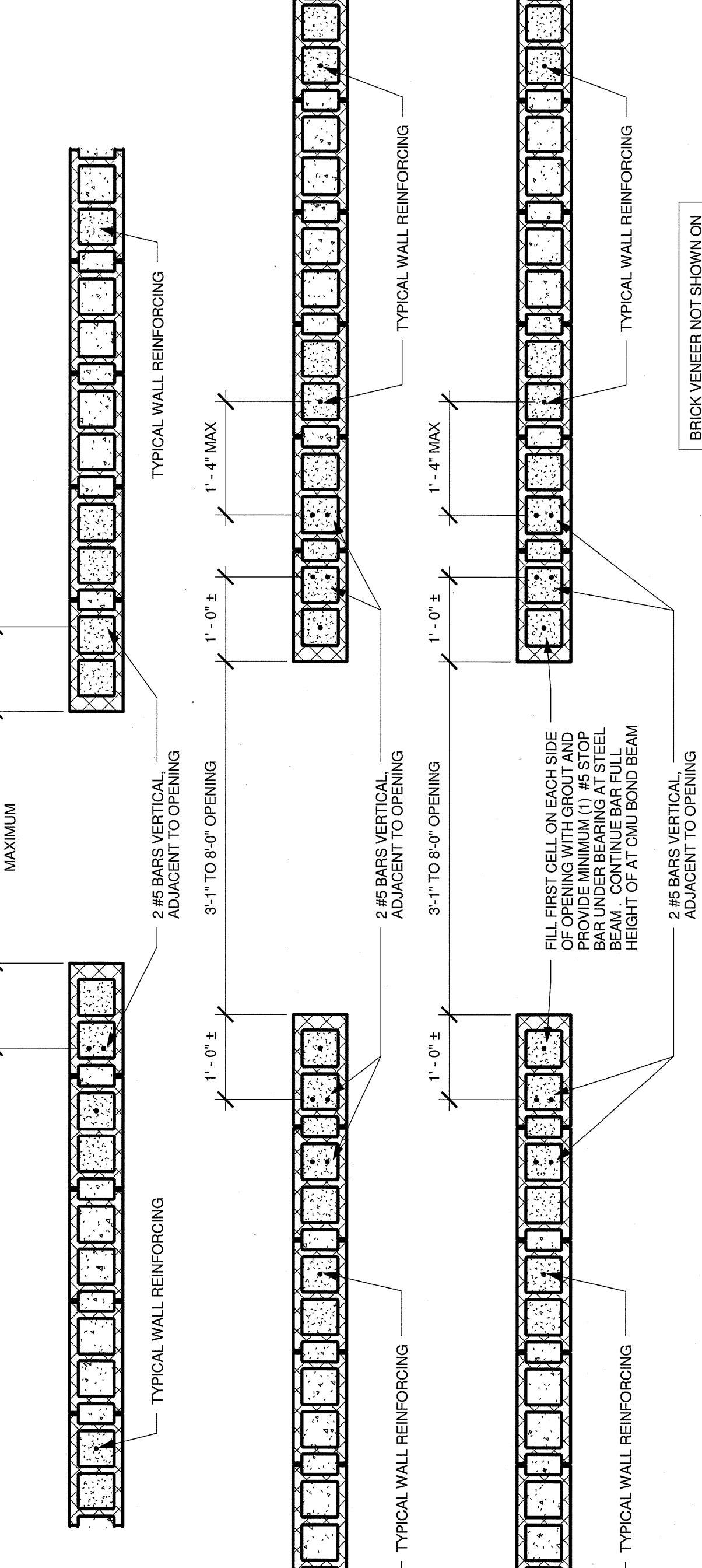
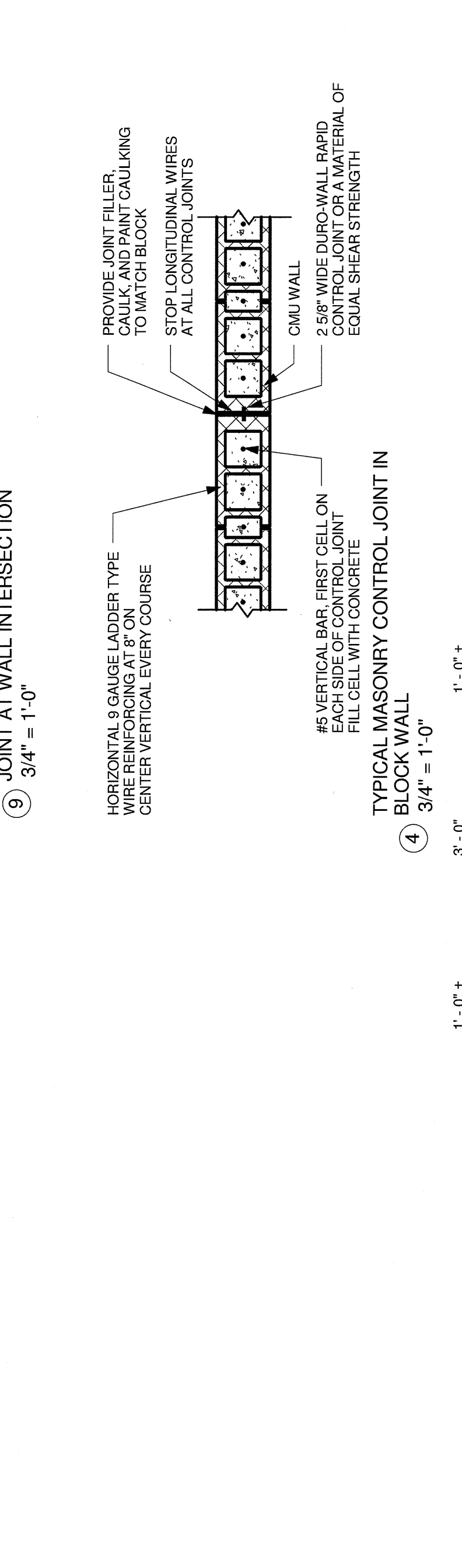
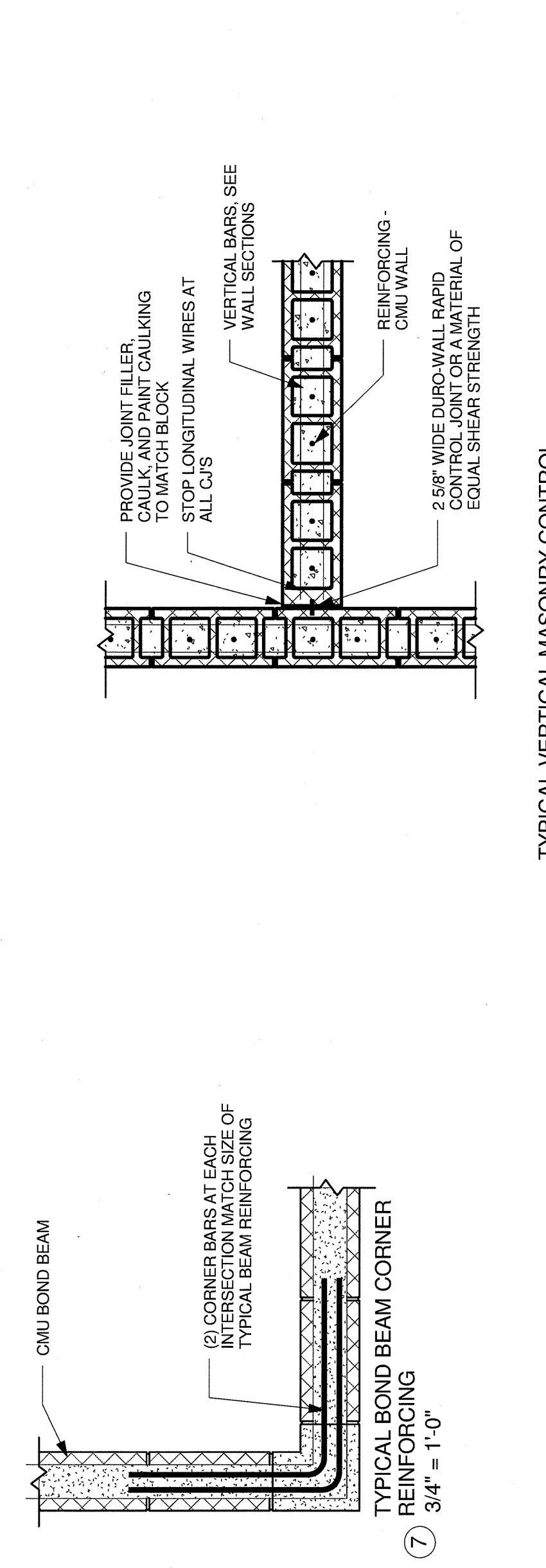
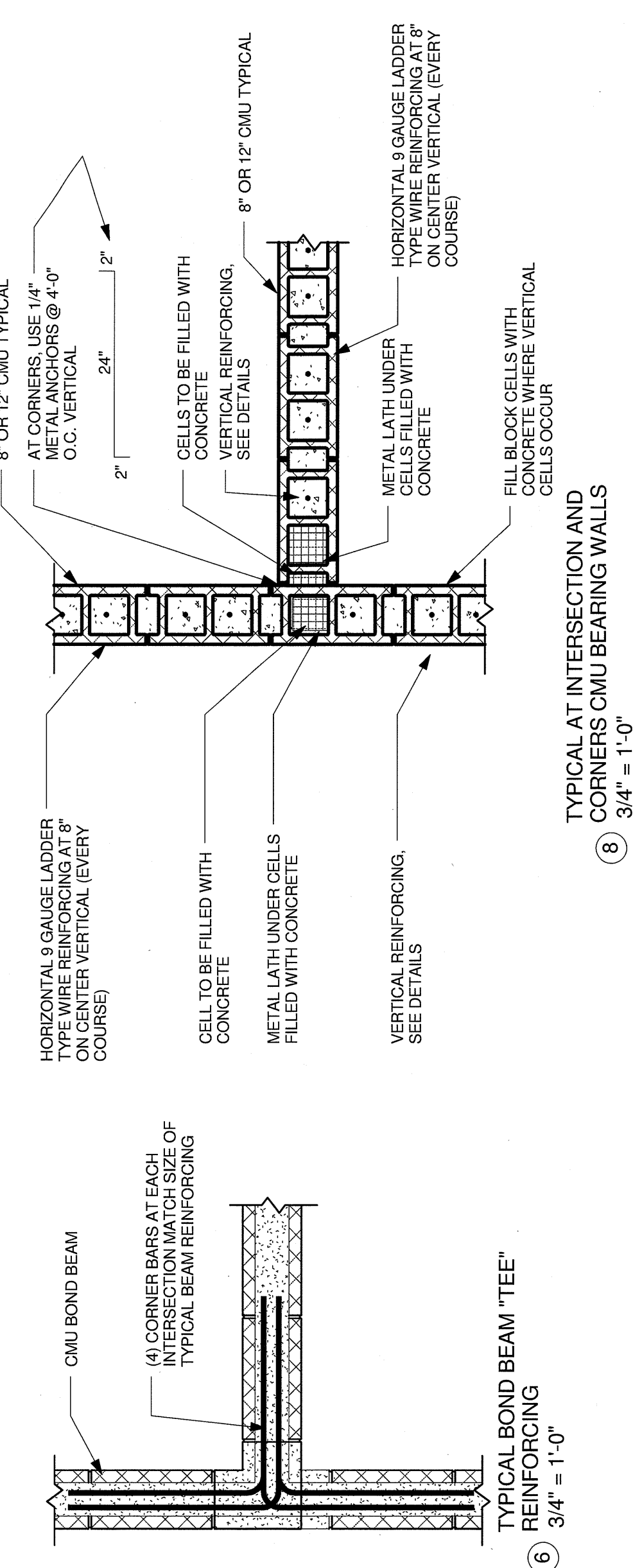
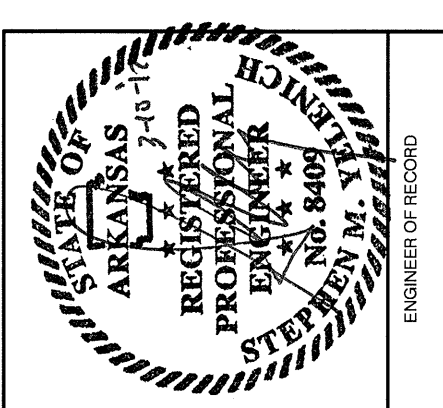
A NEW K-4 CLASSROOM BUILDING
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 IMBODEN ARKANSAS

YELENICH
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NO.	DATE
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S103

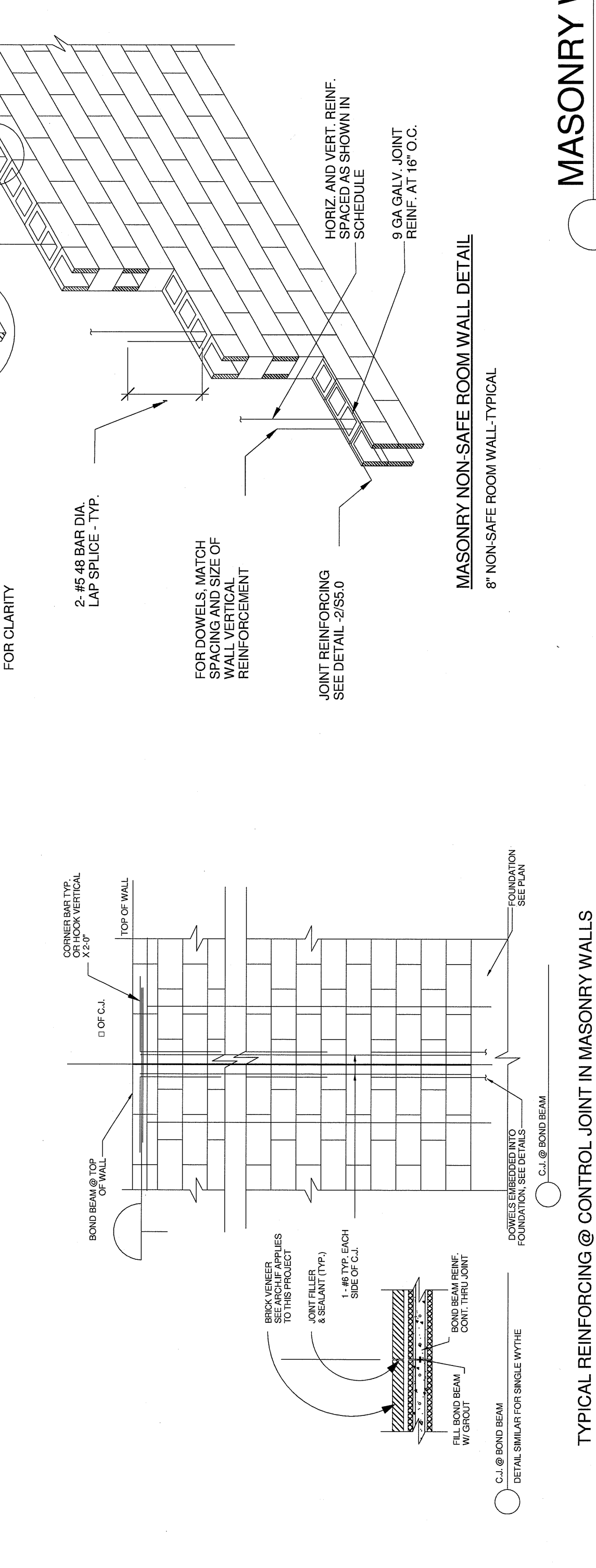
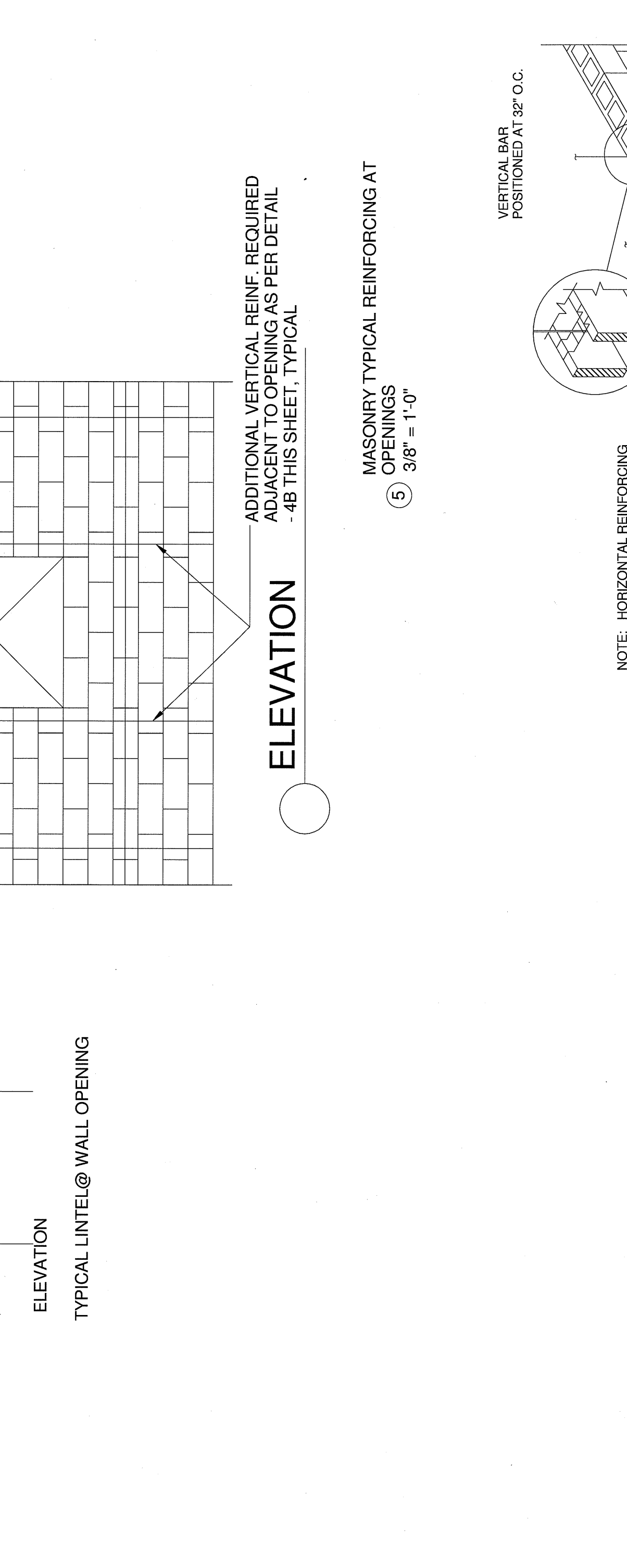
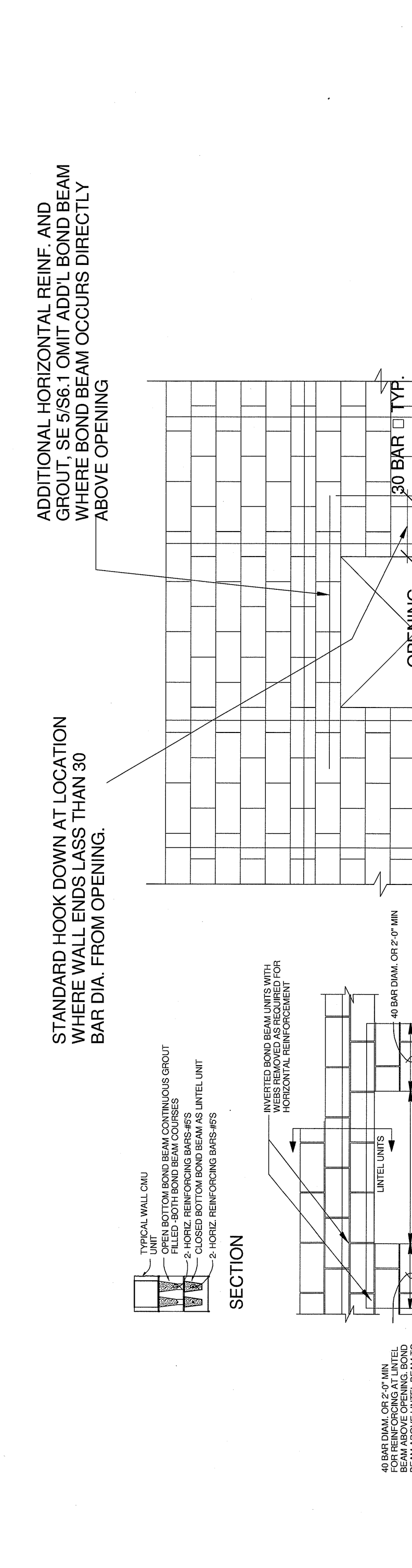
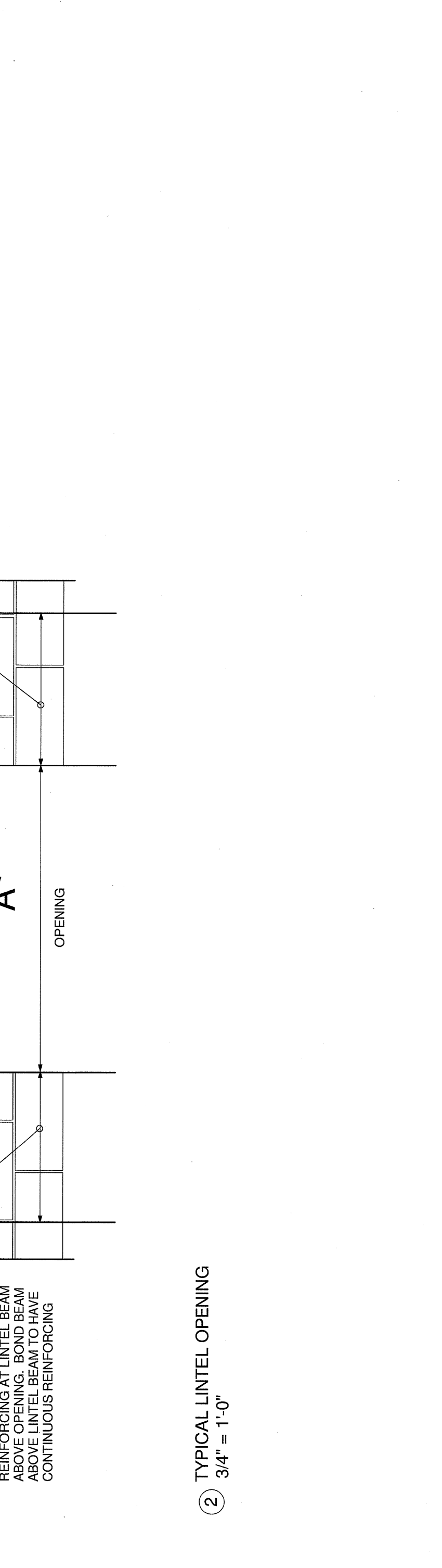
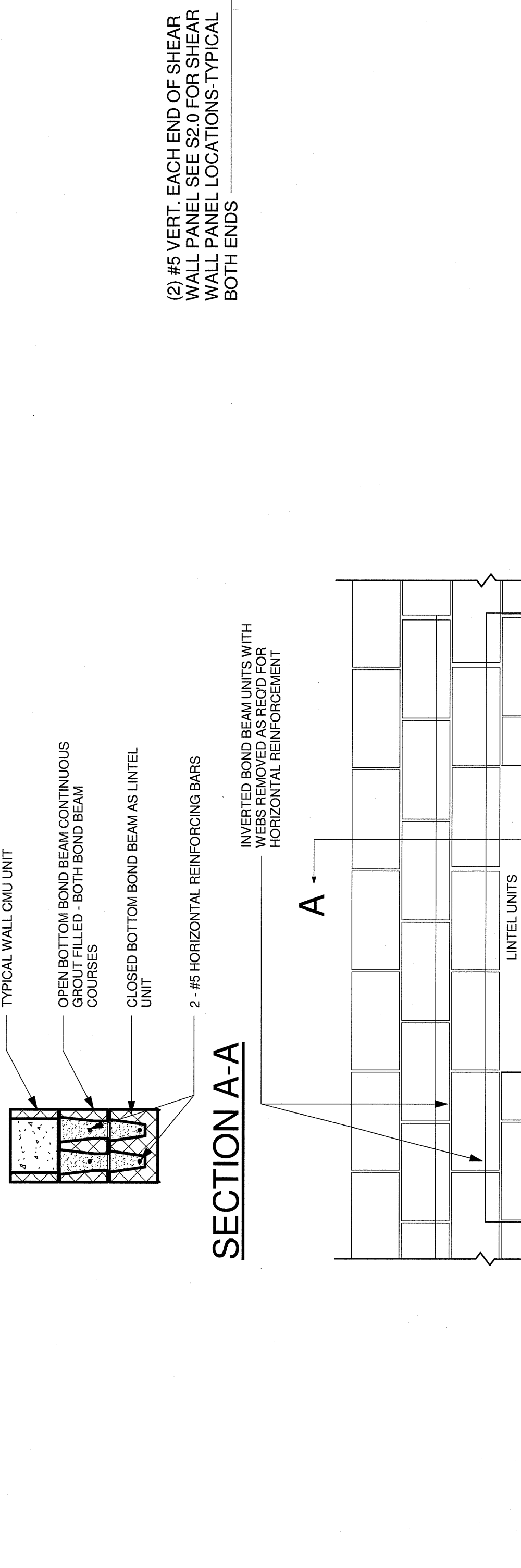
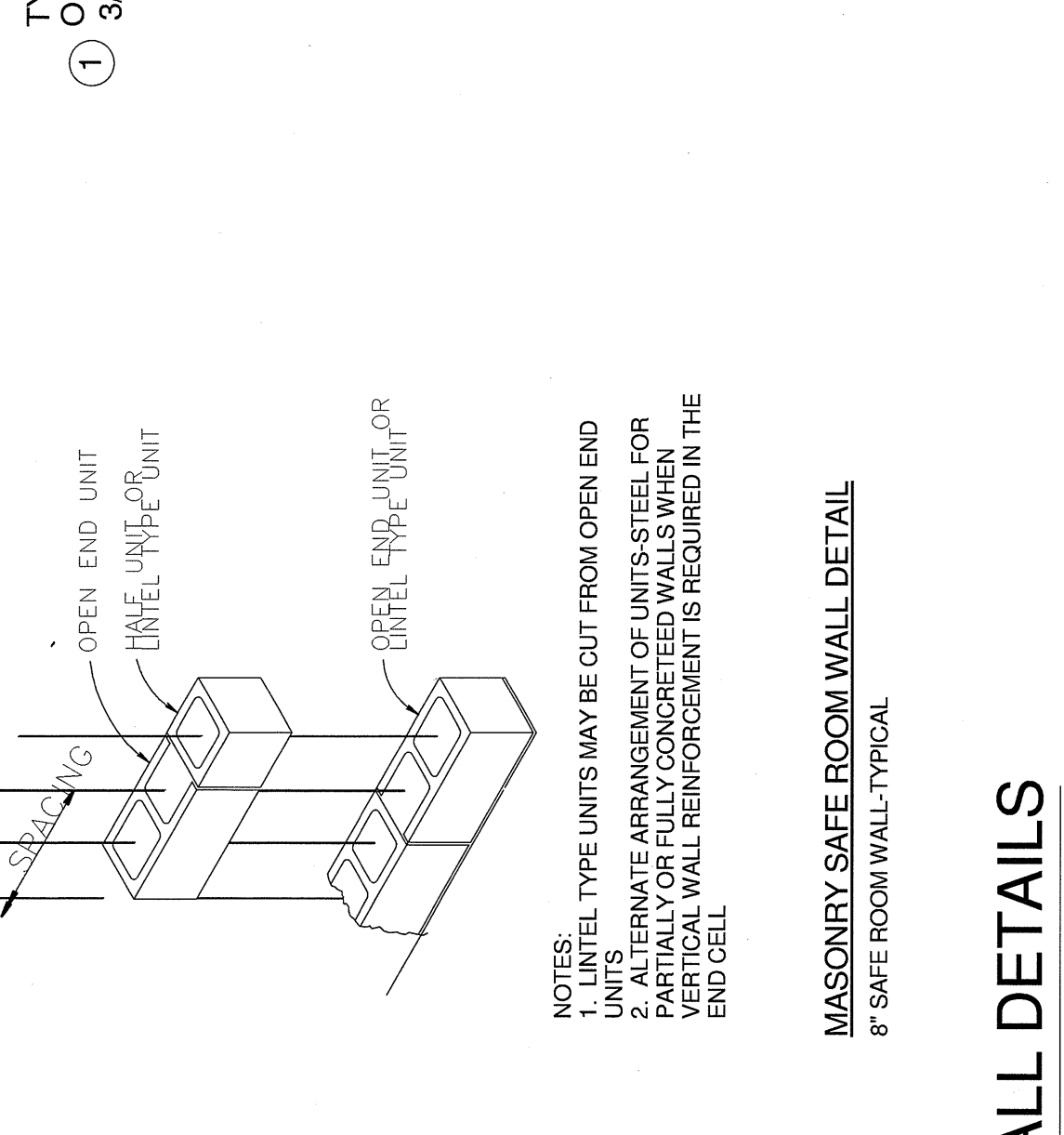
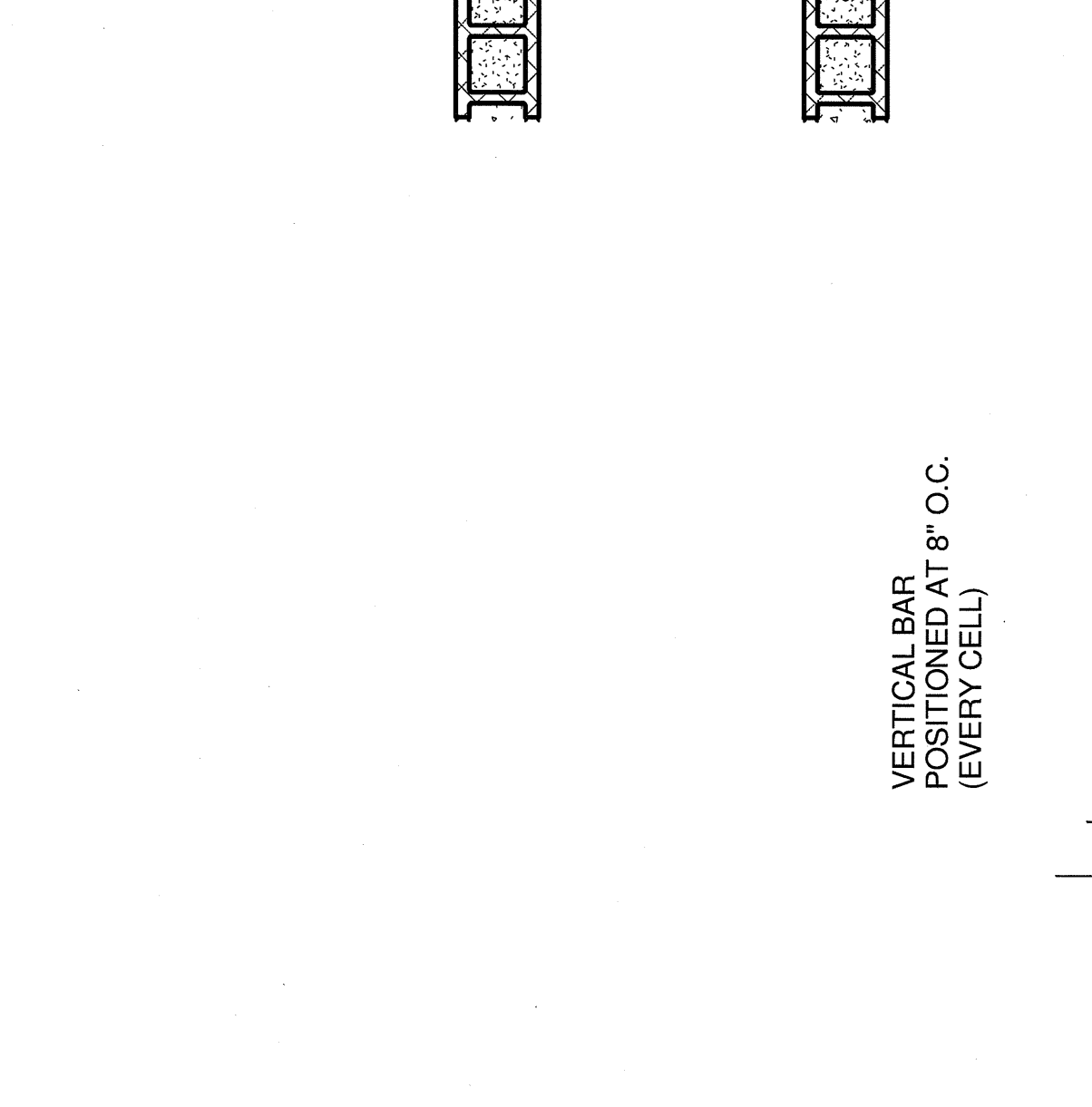
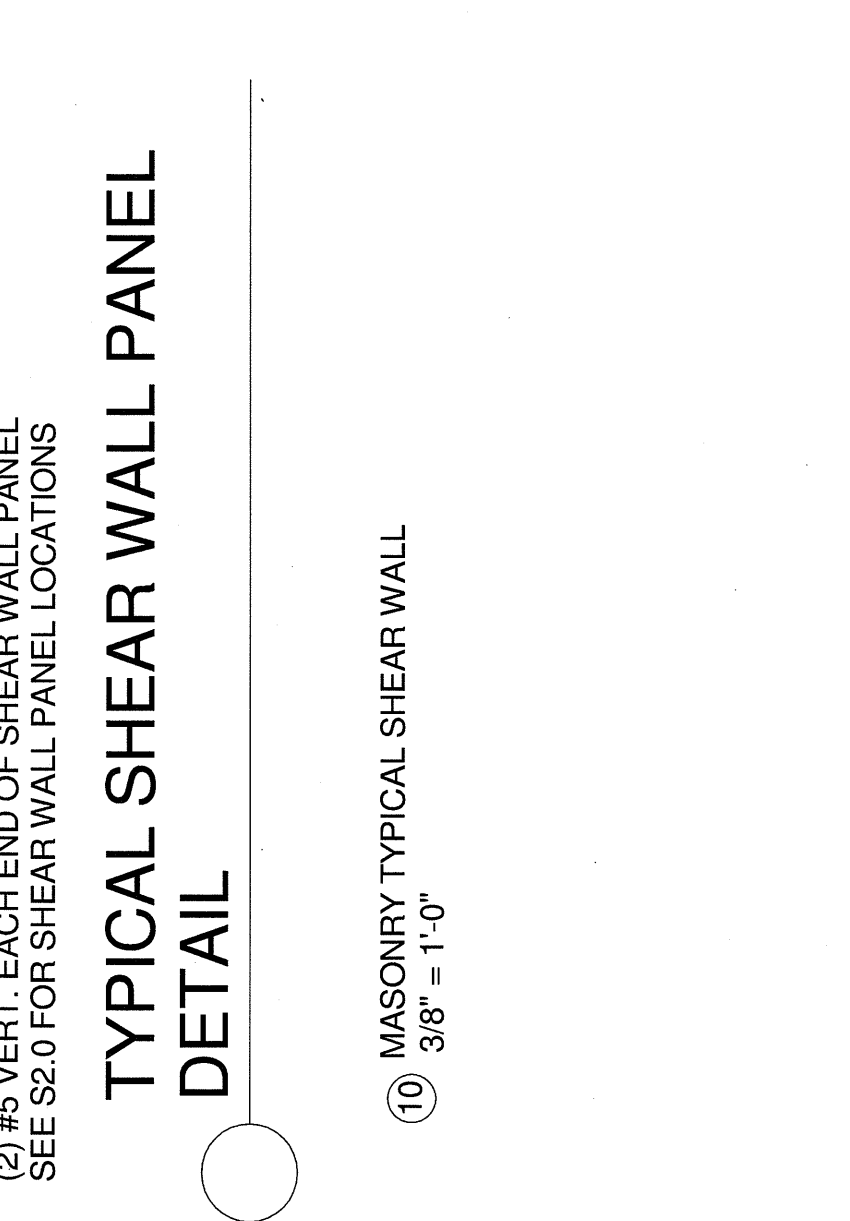
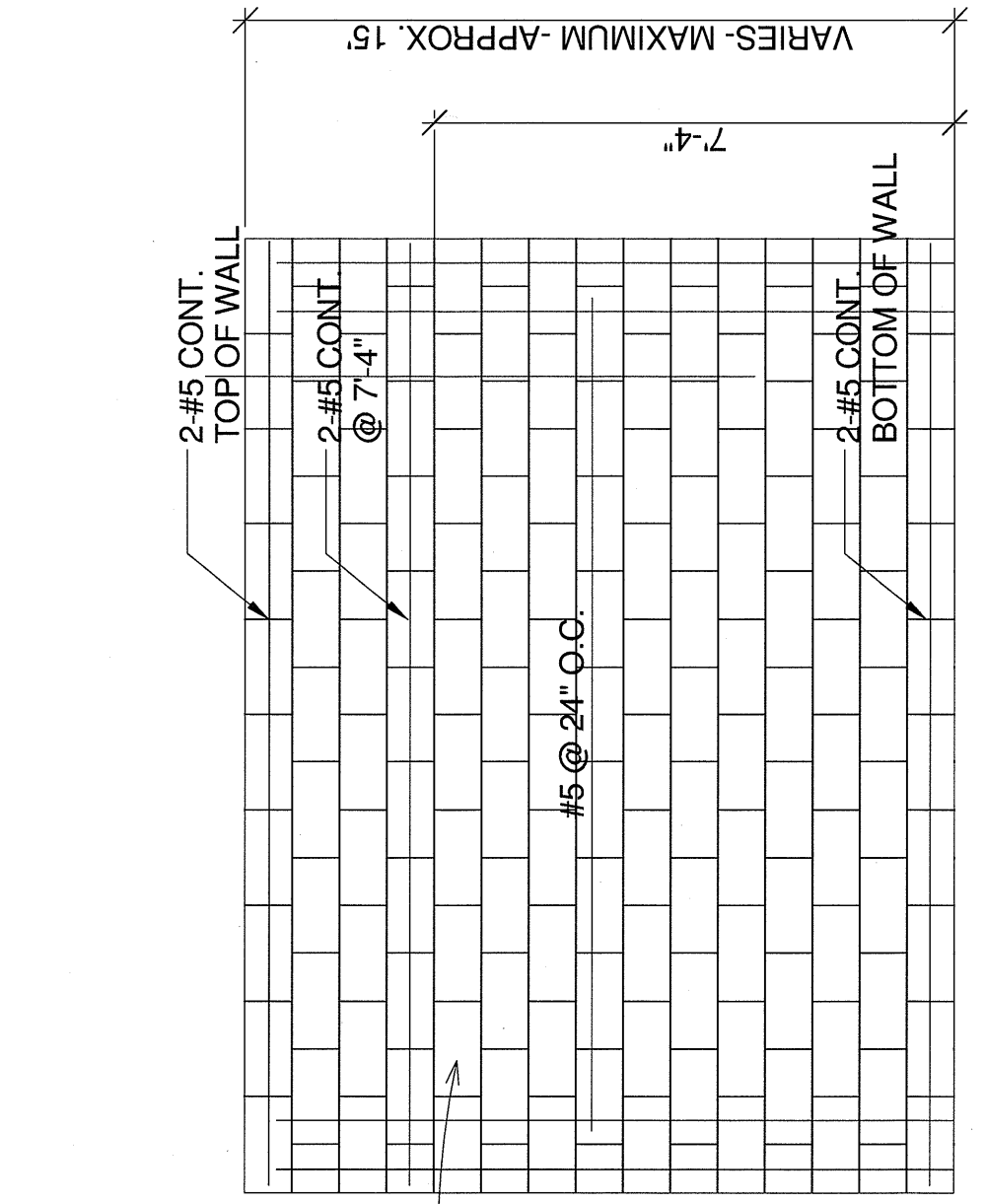




REINFORCEMENT		JOINT	GROUT	REMARKS
VERTICAL	1-#5 AT 32" O.C. INTERIOR CMU WALLS BELOW & ABOVE SUB	9 GAUGE LADDER TYPE AT 16" O.C. VERTICAL	GROUT CELLS WITH REBAR AND BOND BEAMS	
VERTICAL	1-#8 EACH CELL AT 24" O.C.	9 GAUGE LADDER TYPE AT 16" O.C. VERTICAL	GROUT CELLS WITH REBAR AND BOND BEAMS	
VERTICAL	1-#5 AT 8" O.C. #5 REBAR IN EACH CELL	9 GAUGE LADDER TYPE AT 16" O.C. VERTICAL	GROUT ALL CELLS	

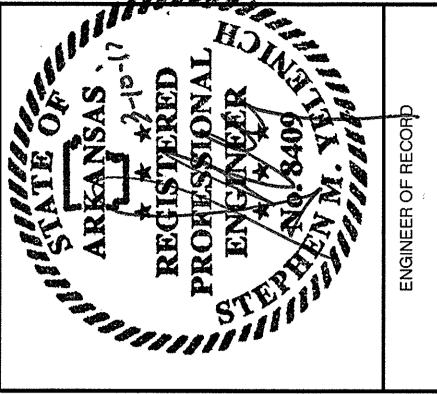
CMU WALL REINFORCEMENT AND GROUT SCHEDULE

① ALL BOND BEAMS IN STANDARD CMU WALLS (NON SAFE ROOM) SHALL BE LOW WEB OPEN BOTTOM BOND BEAMS W/ METAL LATH OVER UNGROUTED CELLS.
 ② ALL BOND BEAMS IN SAFE ROOM WALLS SHALL BE LOW WEB OPEN BOTTOM BOND BEAMS. ALL CELLS SHALL BE GROUTED.
 ③ ALL DOWELS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING.
 ④ ALSO SEE GENERAL NOTES SHEET S-1.0 FOR ADDITIONAL INFORMATION.
 ⑤ REINFORCE FIRST TWO CELLS AT EACH END OF SHEAR WALLS W/ 2-#5 BARS.
 ⑥ NON SAFE ROOM CMU WALLS HAVE INTERMEDIATE CONT. BOND BEAM W/ 2-#5 @ 4'-0" AFF. AND 7'-4" AFF.
 ⑦ SAFE ROOM CMU WALLS HAVE TWO INTERMEDIATE CONT. BOND BEAMS W/ 2-#5 @ 4'-0" AFF AND 7'-4" AFF.



MASONRY CMU WALL REINFORCEMENT
① 12" = 1'-0"

MASONRY WALL DETAILS
① MASONRY TYPICAL WALL REINFORCING AT WALLS AND SAFE ROOM WALLS 3/8" = 1'-0"



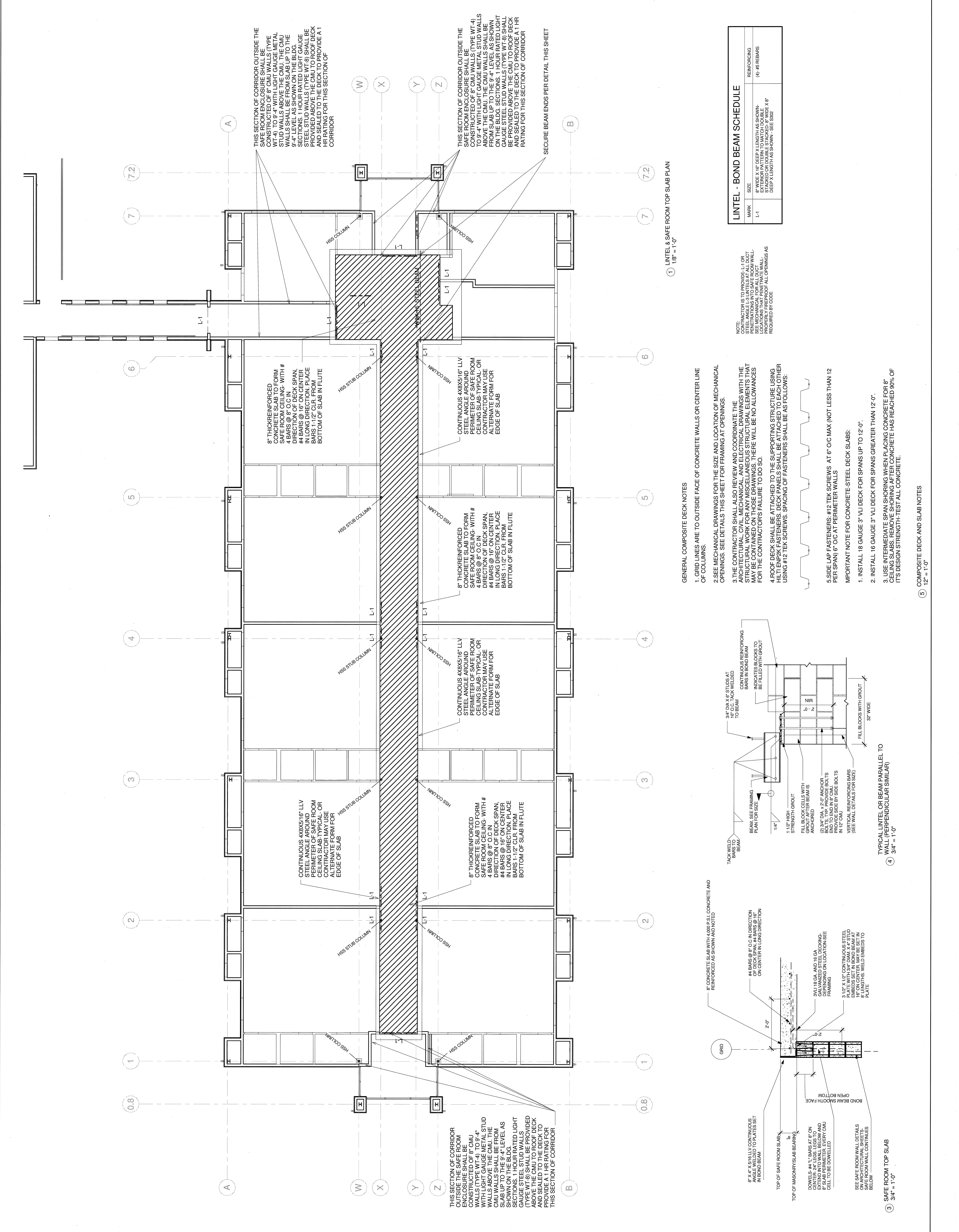
A NEW K-4 CLASSROOM BUILDING
FOR
SLOAN HENDRIX SCHOOL DISTRICT
IMBODEN ARKANSAS

YELENICH
ENGINEERING SERVICES
152017 MOUND ROAD NORTH LITTLE ROCK, AR 72218
PHONE: 501.519.1300 FAX: 501.481.6925
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NO.	
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SAFE ROOM TOP SLAB AND LINTEL PLAN

S105



THIS SECTION OF CORRIDOR OUTSIDE THE SAFE ROOM ENCLOSURE SHALL BE CONSTRUCTED OF 8" CMU WALLS (TYPE WT-4) WITH LIGHT GAUGE METAL STUD WALLS ABOVE THE CMU. THE CMU WALLS SHALL BE FROM SLAB UP TO THE 9'-4" LEVEL AS SHOWN ON THE BLDG. SECTIONS. 1 HOUR RATED LIGHT GAUGE METAL STUD WALLS (TYPE WT-8) SHALL BE PROVIDED ABOVE THE CMU TO THE DECK AND SEALED TO THE DECK TO PROVIDE A 1 HR RATING FOR THIS SECTION OF CORRIDOR

THIS SECTION OF CORRIDOR OUTSIDE THE SAFE ROOM ENCLOSURE SHALL BE CONSTRUCTED OF 8" CMU WALLS (TYPE WT-4) WITH LIGHT GAUGE METAL STUD WALLS ABOVE THE CMU. THE CMU WALLS SHALL BE FROM SLAB UP TO THE 9'-4" LEVEL AS SHOWN ON THE BLDG. SECTIONS. 1 HOUR RATED LIGHT GAUGE METAL STUD WALLS (TYPE WT-8) SHALL BE PROVIDED ABOVE THE CMU TO THE DECK AND SEALED TO THE DECK TO PROVIDE A 1 HR RATING FOR THIS SECTION OF CORRIDOR

SECURE BEAM ENDS PER DETAIL THIS SHEET

8" THICK REINFORCED CONCRETE SLAB TO FORM SAFE ROOM CEILING. WITH #4 BARS @ 8" O.C. IN DIRECTION OF DECK SPAN. #4 BARS @ 16" ON CENTER IN LONG DIRECTION. PLACE BARS 1-1/2" CLR. FROM BOTTOM OF SLAB IN FLUTE

8" THICK REINFORCED CONCRETE SLAB TO FORM SAFE ROOM CEILING. WITH #4 BARS @ 8" O.C. IN DIRECTION OF DECK SPAN. #4 BARS @ 16" ON CENTER IN LONG DIRECTION. PLACE BARS 1-1/2" CLR. FROM BOTTOM OF SLAB IN FLUTE

CONTINUOUS 4X8X5/16" LLV STEEL ANGLE AROUND PERIMETER OF SAFE ROOM CEILING. WITH #4 BARS @ 8" O.C. IN DIRECTION OF DECK SPAN. CONTRACTOR MAY USE ALTERNATE FORM FOR EDGE OF SLAB

CONTINUOUS 4X8X5/16" LLV STEEL ANGLE AROUND PERIMETER OF SAFE ROOM CEILING. WITH #4 BARS @ 8" O.C. IN DIRECTION OF DECK SPAN. CONTRACTOR MAY USE ALTERNATE FORM FOR EDGE OF SLAB

THIS SECTION OF CORRIDOR OUTSIDE THE SAFE ROOM ENCLOSURE SHALL BE CONSTRUCTED OF 8" CMU WALLS (TYPE WT-4) TO 9'-4" WITH LIGHT GAUGE METAL STUD WALLS ABOVE THE CMU. THE CMU WALLS SHALL BE FROM SLAB UP TO THE 9'-4" LEVEL AS SHOWN ON THE BLDG. SECTIONS. 1 HOUR RATED LIGHT GAUGE METAL STUD WALLS (TYPE WT-8) SHALL BE PROVIDED ABOVE THE CMU TO THE DECK AND SEALED TO THE DECK TO PROVIDE A 1 HR RATING FOR THIS SECTION OF CORRIDOR

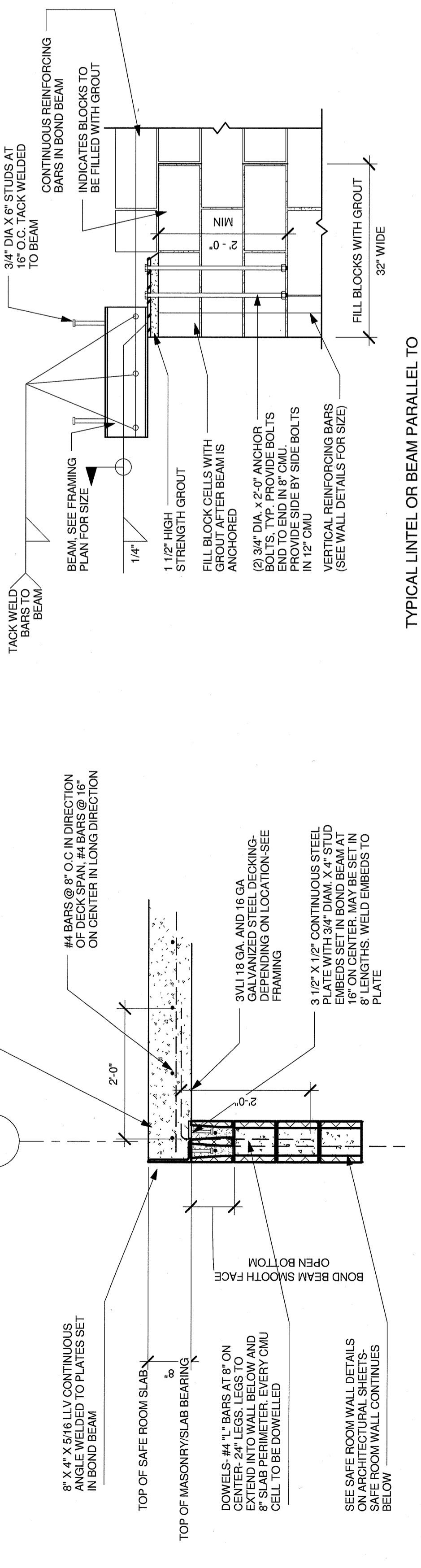
GENERAL COMPOSITE DECK NOTES

- GRID LINES ARE TO OUTSIDE FACE OF CONCRETE WALLS OR CENTER LINE OF COLUMNS.
- SEE MECHANICAL DRAWINGS FOR THE SIZE AND LOCATION OF MECHANICAL OPENINGS. SEE DETAILS THIS SHEET FOR FRAMING AT OPENINGS.
- THE CONTRACTOR SHALL ALSO REVIEW AND COORDINATE THE STRUCTURAL, CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS WITH THE ARCHITECTURAL WORK FOR ANY MISCELLANEOUS STRUCTURAL ELEMENTS THAT MAY BE CONTAINED ON THOSE DRAWINGS. THERE WILL BE NO ALLOWANCES FOR THE CONTRACTOR'S FAILURE TO DO SO.
- ROOF DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE USING HILTI ENPK FASTENERS. DECK PANELS SHALL BE ATTACHED TO EACH OTHER USING #12 TEK SCREWS. SPACING OF FASTENERS SHALL BE AS FOLLOWS:
 - INSTALL 18 GAUGE 3" VLI DECK FOR SPANS UP TO 12'-0".
 - INSTALL 16 GAUGE 5" VLI DECK FOR SPANS GREATER THAN 12'-0".
 - USE INTERMEDIATE SPAN SHORING WHEN PLACING CONCRETE FOR 8" CEILING SLABS. REMOVE SHORING AFTER CONCRETE HAS REACHED 90% OF ITS DESIGN STRENGTH. TEST ALL CONCRETE.
- COMPOSITE DECK AND SLAB NOTES
 - INSTALL 18 GAUGE 3" VLI DECK FOR SPANS UP TO 12'-0".
 - INSTALL 16 GAUGE 5" VLI DECK FOR SPANS GREATER THAN 12'-0".
 - USE INTERMEDIATE SPAN SHORING WHEN PLACING CONCRETE FOR 8" CEILING SLABS. REMOVE SHORING AFTER CONCRETE HAS REACHED 90% OF ITS DESIGN STRENGTH. TEST ALL CONCRETE.

LINTEL - BOND BEAM SCHEDULE

MARK	SIZE	REINFORCING
L-1	8" WIDE X 16" DEEP X LENGTH AS SHOWN - EXTERIOR PATTERN TO MATCH DOUBLE END TO END IN 8" CALL OUT	#4-16 REBARS

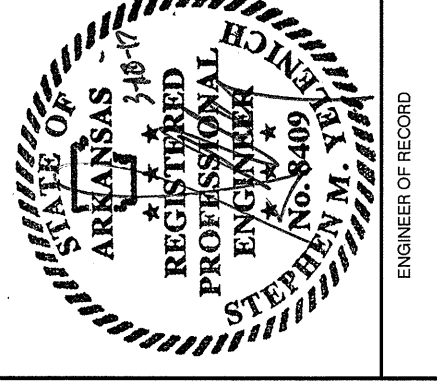
NOTE: CONTRACTOR IS TO PROVIDE L-1 OR STEEL ANGLE L-3 LINTELS AT ALL DUCT PENETRATIONS THROUGH WALLS. SEE MECHANICAL FOR ALL DUCT PENETRATIONS THROUGH WALLS. PROVIDE SHORING FOR ALL OPENINGS AS REQUIRED BY CODE



TYPICAL LINTEL OR BEAM PARALLEL TO WALL (PERPENDICULAR SIMILAR)

3/4" = 1'-0"

SAFE ROOM TOP SLAB
3/4" = 1'-0"

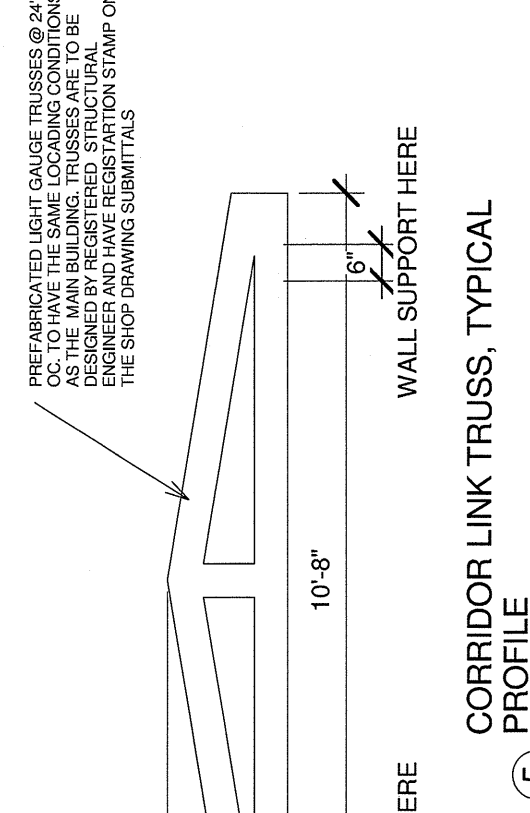
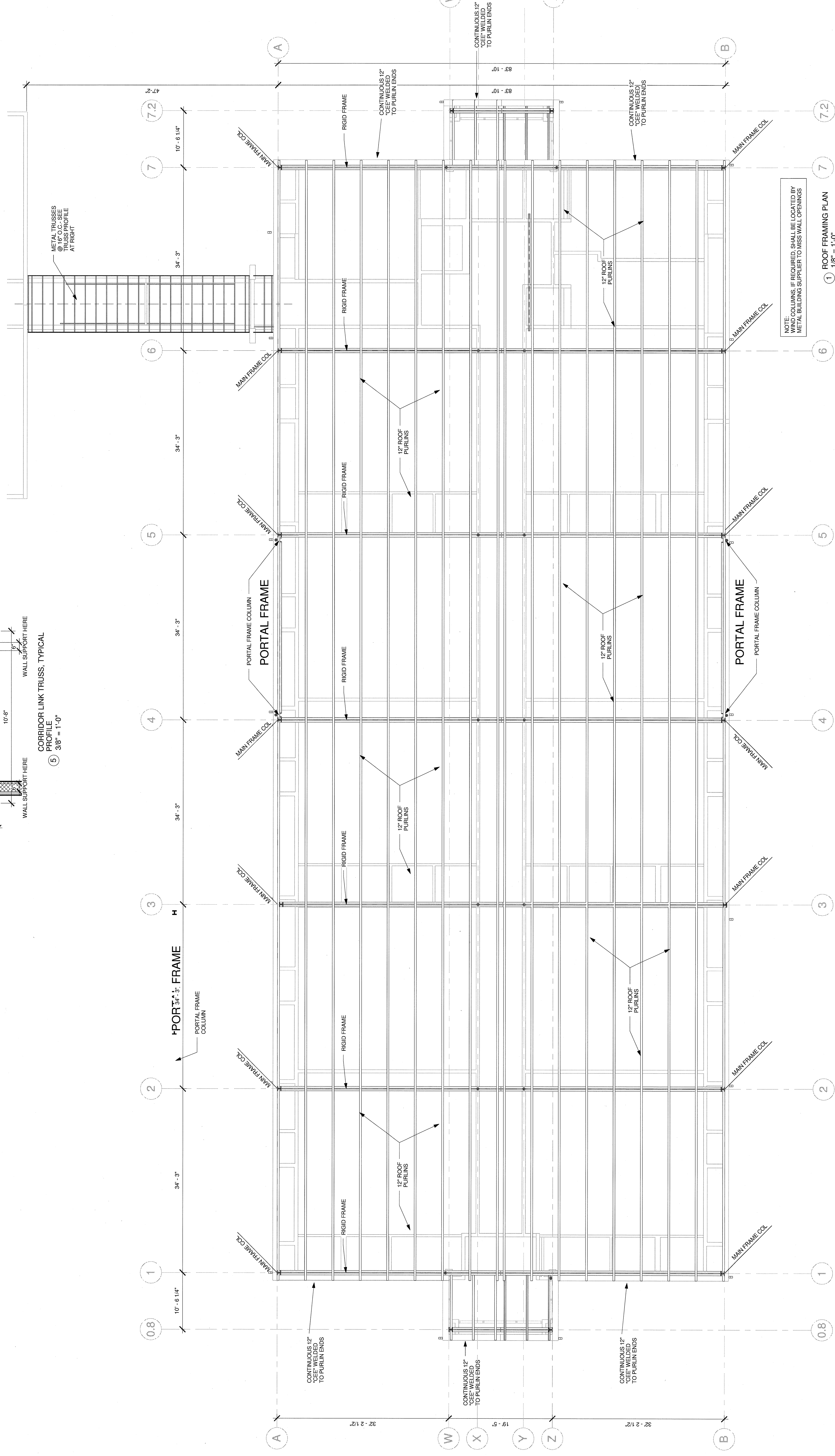


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SLOAN HENDRIX SCHOOL CAMPUS,
IMBODEN ARKANSAS

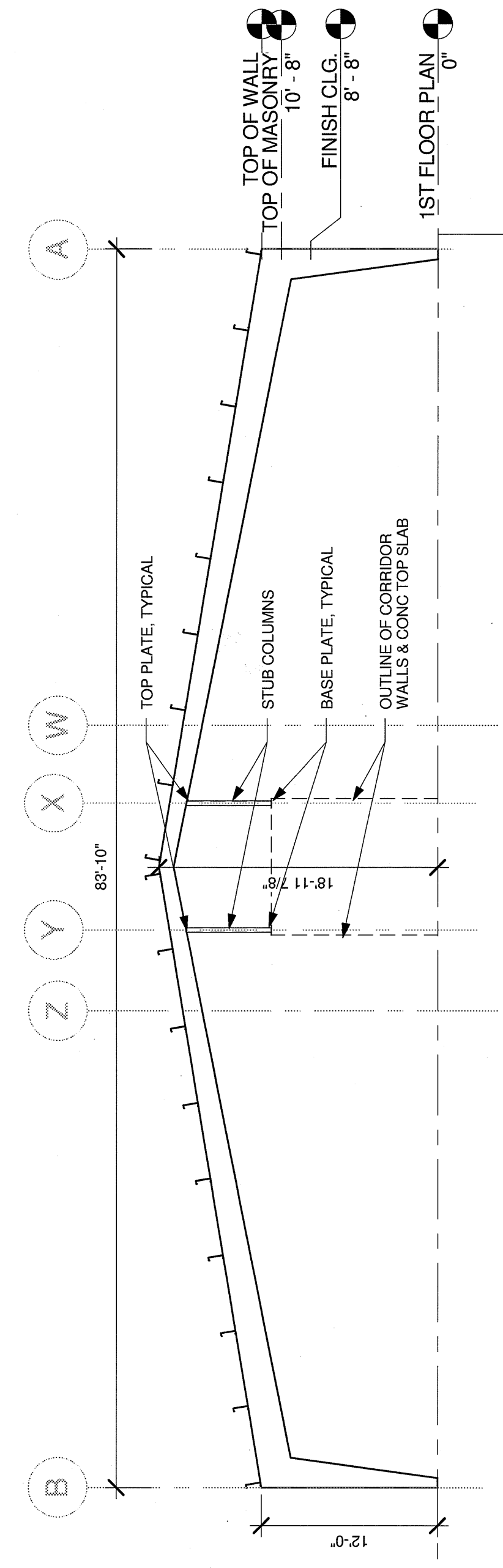
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E-MAIL: STEVE@YELENICHENGINEERING.COM
12017 MUNDO ROAD NORTH LITTLE ROCK, AR 72118
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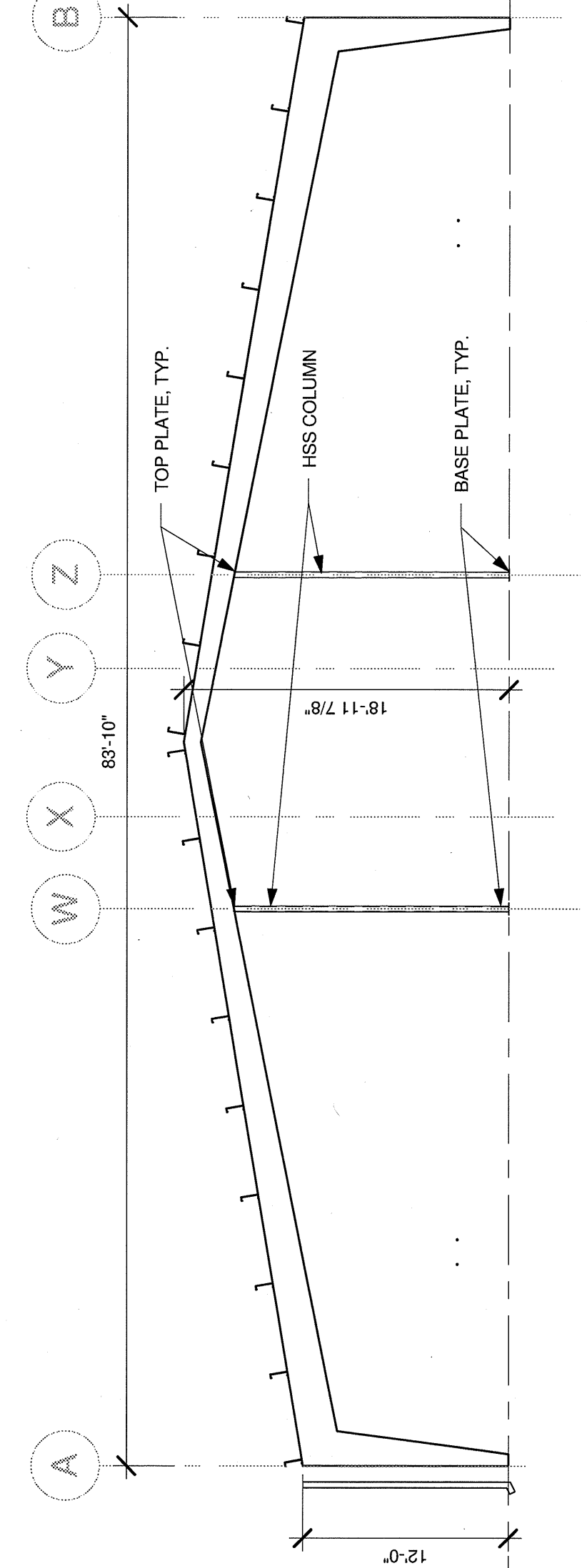
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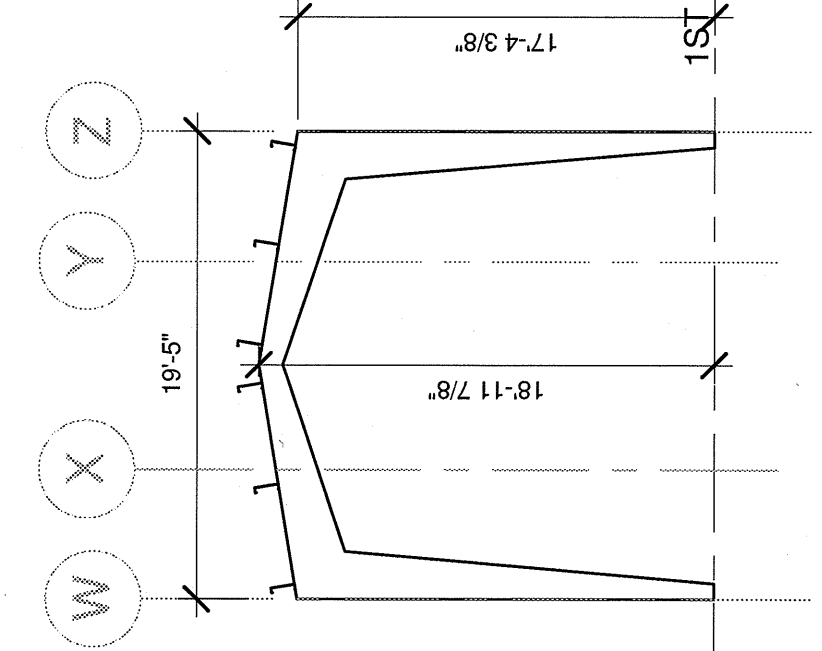
5 CORRIDOR LINK TRUSS, TYPICAL PROFILE
38'-0" = 1'-0"



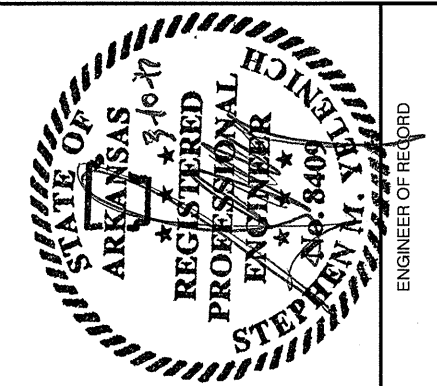
2 TYPICAL FRAME ELEVATION 2 THRU 6
1/8" = 1'-0"



4 FRAME ELEVATION 1 & 7
1/8" = 1'-0"



3 ENTRY FRAME ELEVATION 8 & 7.2
1/8" = 1'-0"

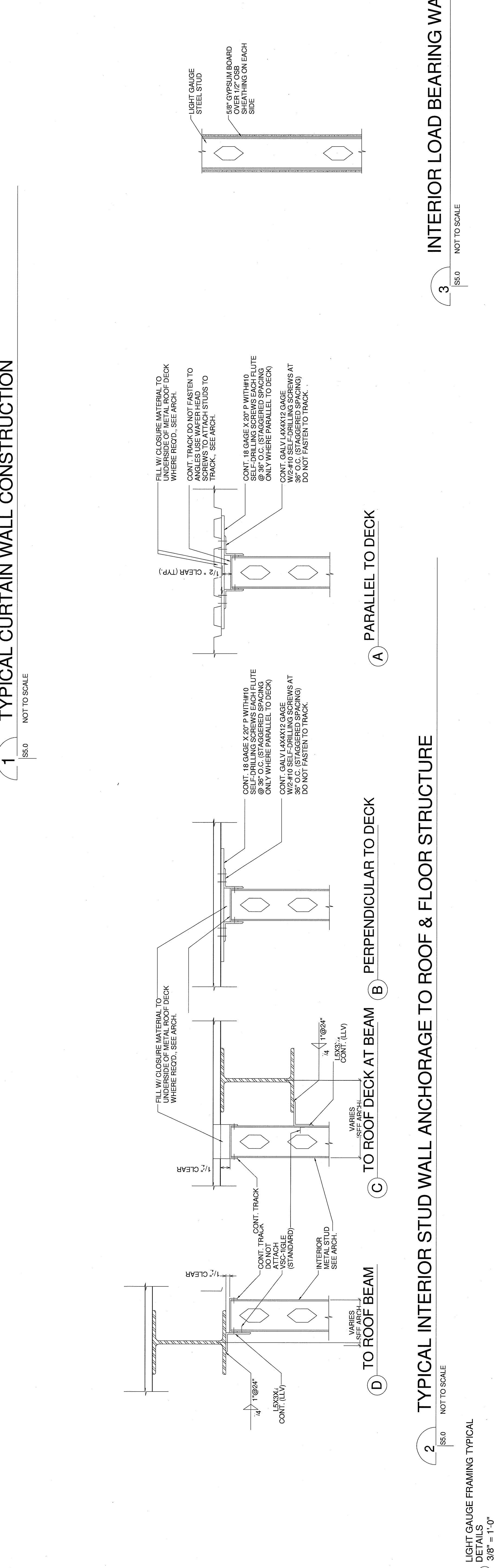
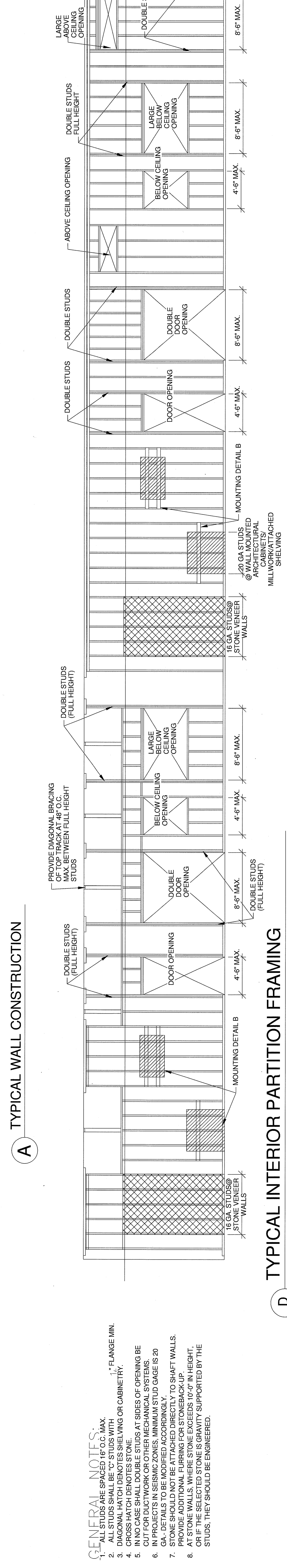
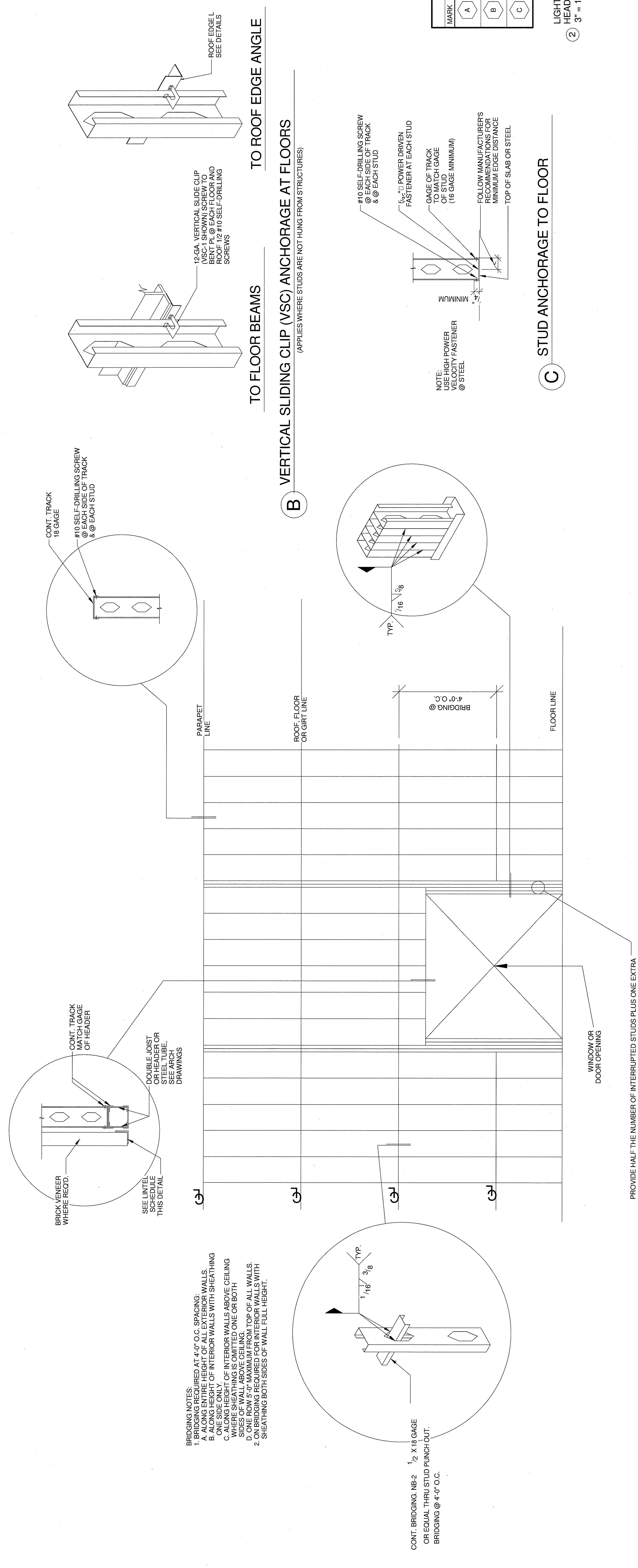


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 FOR
 SLOAN HENDRIX SCHOOL DISTRICT
 SLOAN HENDRIX SCHOOL CAMPUS,
 IMBODEN ARKANSAS

YELENICH
 ENGINEERING SERVICES
 1201 N. MURPHY ROAD NORTH LITTLE ROCK, AR 72114
 PHONE: 501-519-1900 FAX: 501-451-6955
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S203

INTERIOR LOAD BEARING WALL

3

1/8" = 1'-0"

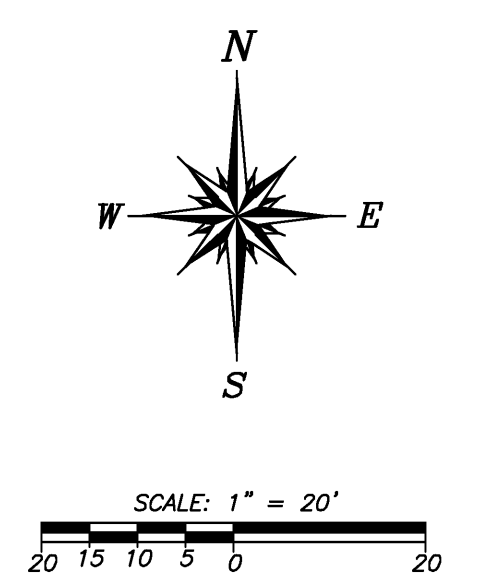
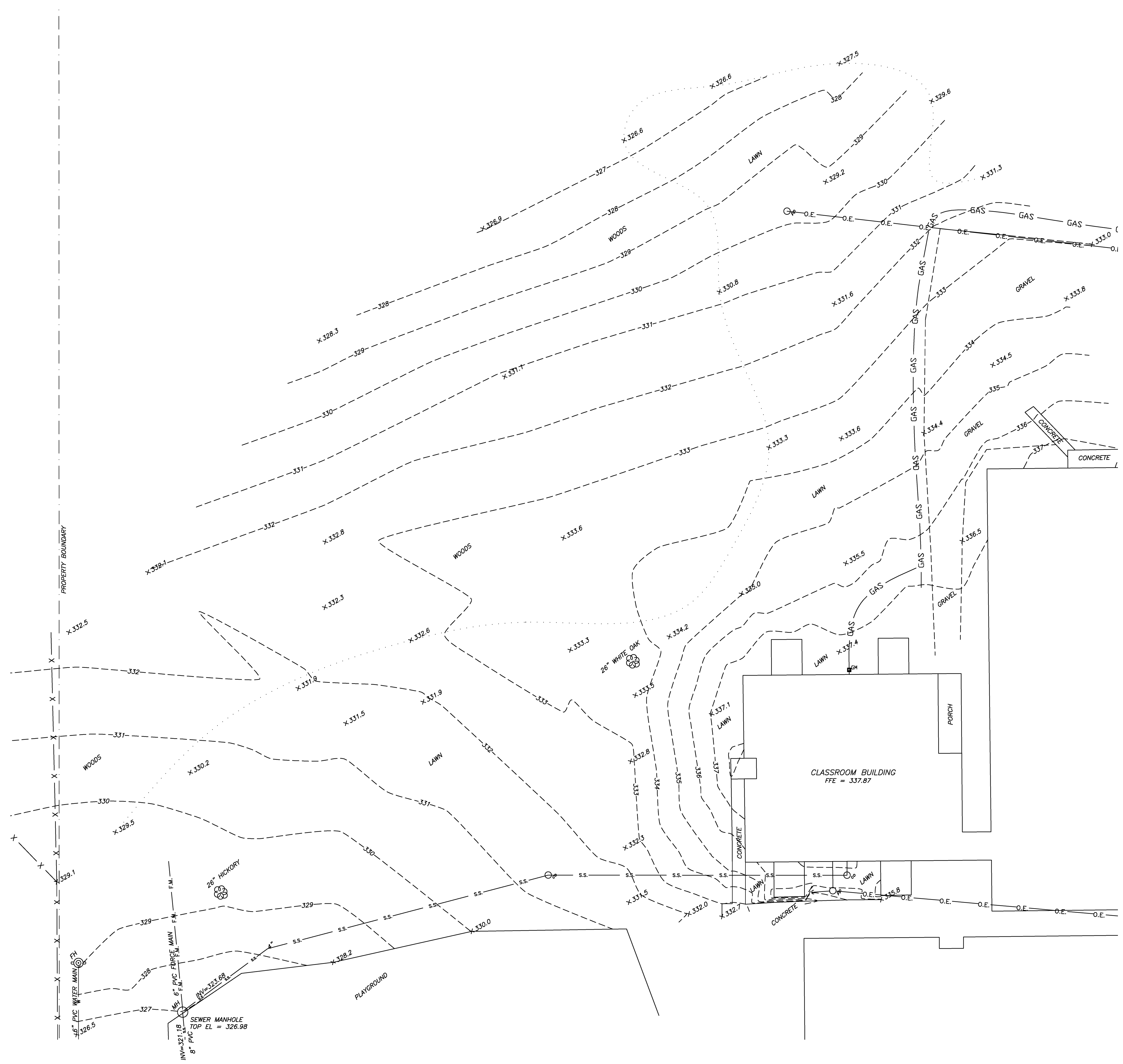
TYPICAL INTERIOR STUD WALL ANCHORAGE TO ROOF & FLOOR STRUCTURE

2

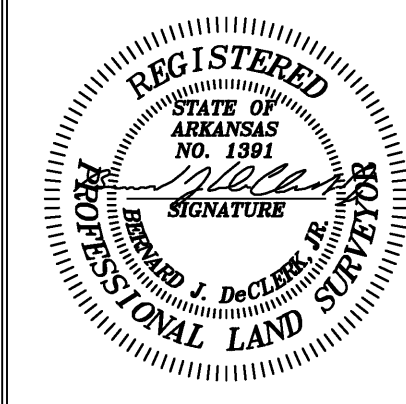
1/8" = 1'-0"

LIGHT GAUGE FRAMING TYPICAL DETAILS

3/8" = 1'-0"



- LEGEND**
- FIRE HYDRANT
 - WATER MAIN
 - SEWER MANHOLE
 - SEWER CLEANOUT
 - SEWER MAIN
 - UTILITY POLE
 - GUY ANCHOR
 - GAS METER
 - SPOT ELEVATION
 - NATURAL GAS MAIN
 - ROOF OVERHANG
 - PROPERTY BOUNDARY
 - OVERHEAD ELECTRIC
 - CONTOUR (1' INTERVAL)
 - TREE OR SHRUB



NO.	DATE	DESCRIPTION

DeCLERK-THROESCH
 ENGINEERING - LAND SURVEYING
 114 Pyburn Street - P.O. Box 804
 Pocolon, Arkansas 72455
 Phone: 870-892-5972
 Fax: 870-892-5975

SLOAN HENDRIX SCHOOL DISTRICT
 IMBODEN, ARKANSAS
TOPOGRAPHIC SURVEY

SCALE: 1" = 20'
 DATE: August 31 2016

1821W21/110KSH/1/Sloan_Hendrix_Topog_B-2016