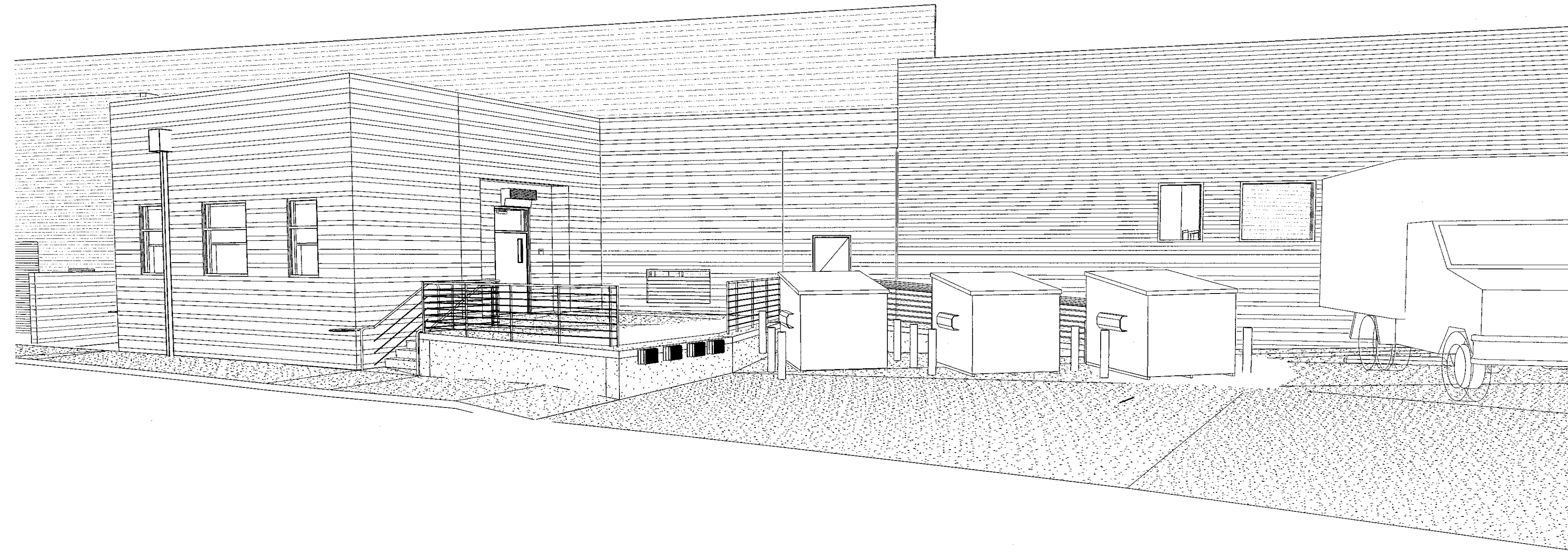


KITCHEN AND PERFORMING ARTS EXPANSION CFSD HIGH SCHOOL



NTD
ARCHITECTURE

2940 North Swan Road, Suite 214
Tucson, Arizona 85712
520/784.0975

CONSTRUCTION DOCUMENTS

04/08/11



EXPIRES 03-31-2014

ARCHITECTURAL
STRUCTURAL
MECHANICAL
PLUMBING
ELECTRICAL

KITCHEN AND PERFORMING ARTS EXPANSION

CFSD HIGH SCHOOL

APPLICABLE CODES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:
 - 2006 INTERNATIONAL BUILDING CODE AND LOCAL AMENDMENTS
 - 2005 NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS
 - 2006 INTERNATIONAL ENERGY CONSERVATION CODE AND LOCAL AMENDMENTS
 - 2006 INTERNATIONAL MECHANICAL CODE AND LOCAL AMENDMENTS
 - 2006 INTERNATIONAL PROPERTY MAINTENANCE CODE AND LOCAL AMENDMENTS
 - 2006 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE AND LOCAL AMENDMENTS
 - 2006 OUTDOOR LIGHTING CODE
 - 2006 SUSTAINABLE ENERGY STANDARD AND LOCAL AMENDMENTS
 - 2006 INTERNATIONAL FUEL GAS CODE
 - ARIZONA STATE PLUMBING CODE
(ALTERNATIVE IPC PLUMBING METHOD APPROVED FOR USE ON AN INDIVIDUAL PROJECT BASIS)
- ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY.

PROJECT DIRECTORY

PROJECT
CATALINA Foothills HIGH SCHOOL
KITCHEN EXPANSION PROJECT
4300 EAST SUNRISE DRIVE
TUCSON, AZ 85718-4300

OWNER
CATALINA Foothills SCHOOL DISTRICT
BASIL CALLIMANIS OWNER'S REPRESENTATIVE
2101 EAST RIVER ROAD
TUCSON, AZ 85718-6597

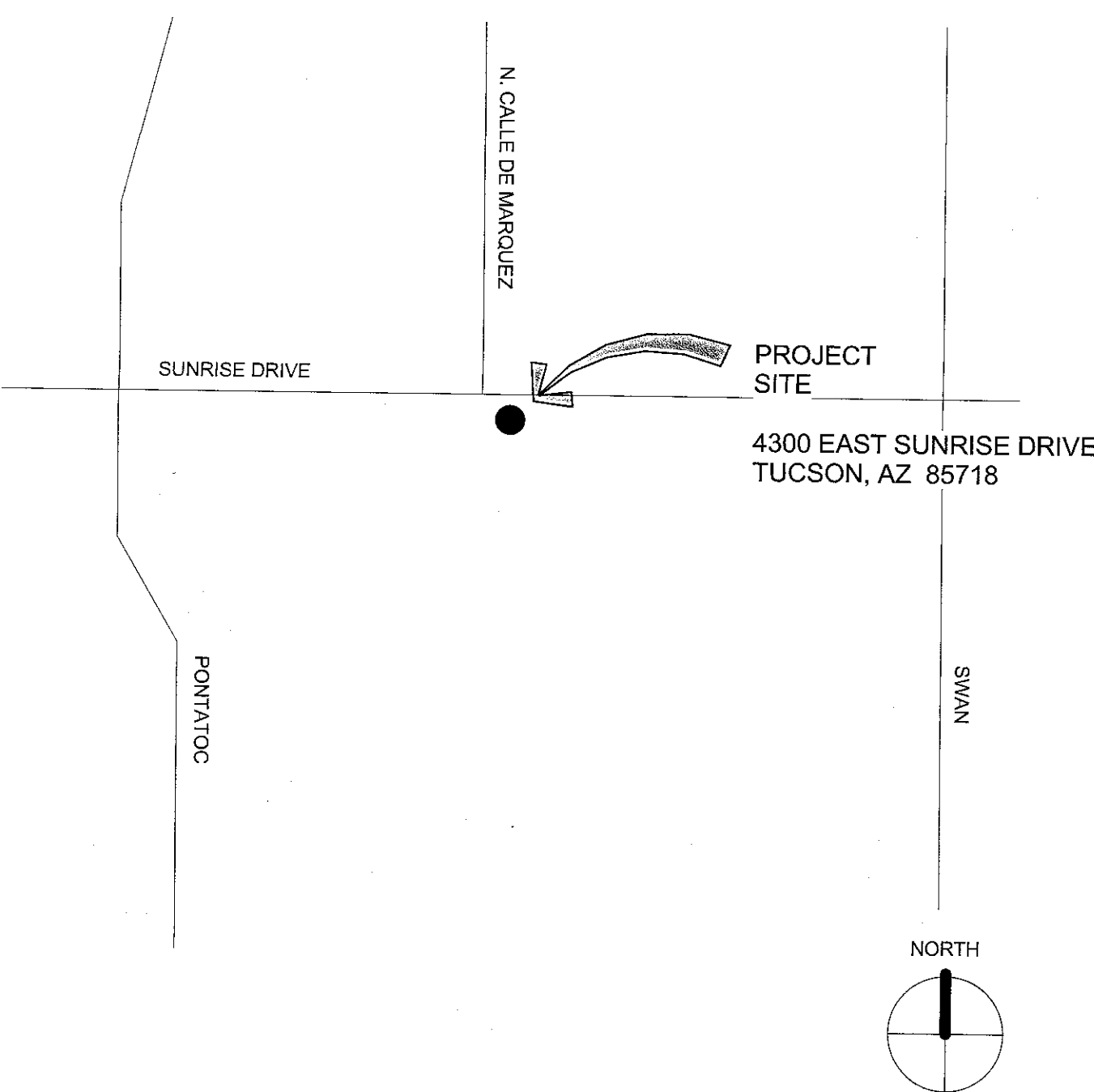
ARCHITECT
NTD ARCHITECTURE
2940 NORTH SWAN #214
TUCSON, AZ 85712
(520) 784-0975

STRUCTURAL
HOLBEN, MARTIN & WHITE
2850 NORTH COUNTRY CLUB ROAD
TUCSON, AZ 85716
(520) 327-9491

MECHANICAL / PLUMBING
ADAMS & ASSOCIATES
4067 E GRANT RD #200
TUCSON, AZ 85712-2566
(520) 323-3858

ELECTRICAL
BOWDEN ENGINEERING
7337 EAST TANQUE VERDE ROAD
TUCSON, AZ 85715-3475
(520) 326-8020

VICINITY MAP NOT TO SCALE



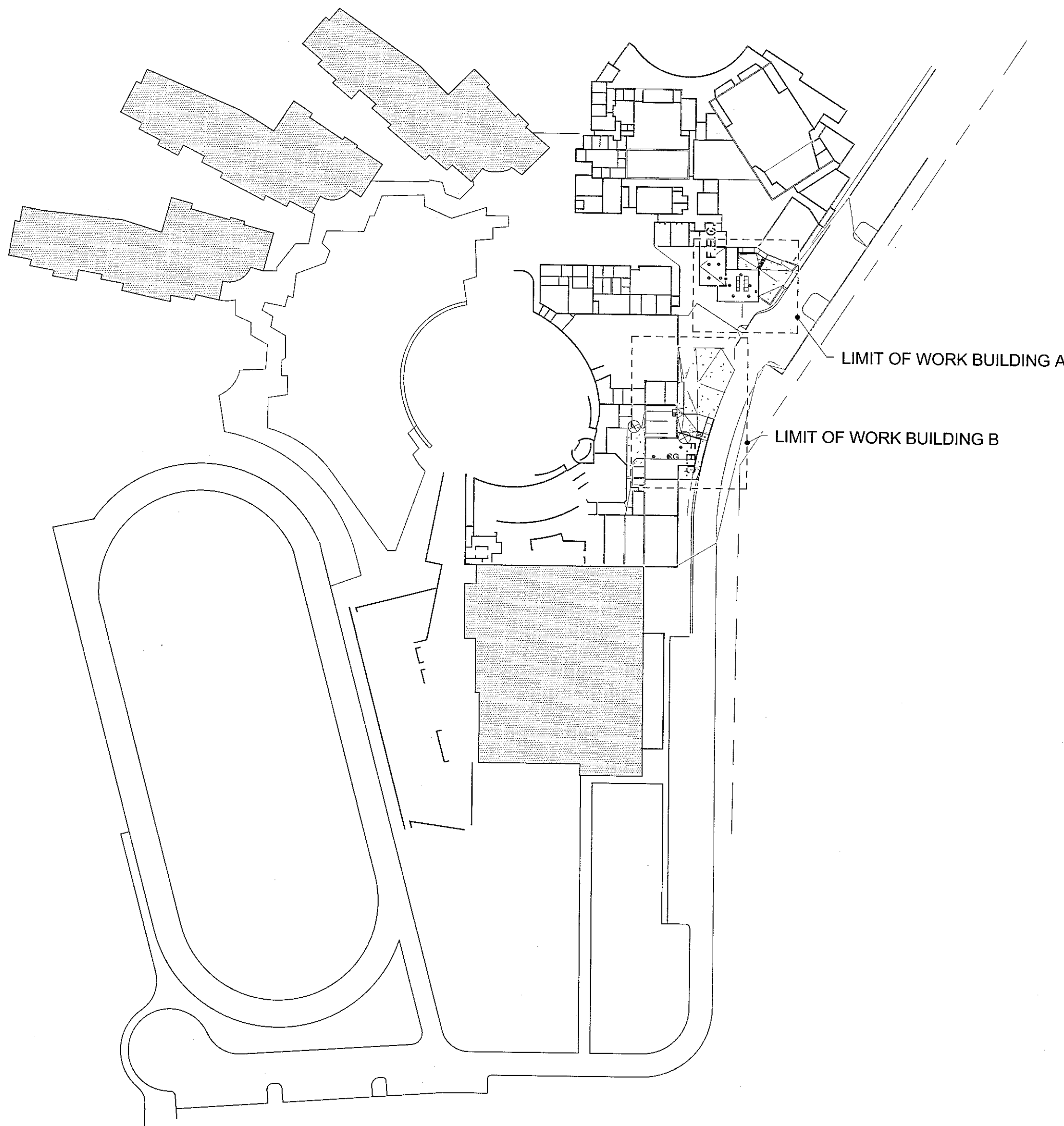
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E1.2	POWER AND SYSTEMS PLANS
Grand total: 49	

DEFERRED APPROVAL ITEMS

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR ENGINEER WHO HAS BEEN DELEGATED THE RESPONSIBILITY OF COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. DEFERRED ITEMS SHALL BE COMPLETED PRIOR TO OCCUPANCY OF BUILDINGS AFFECTED BY THE DEFERRED WORK.

DEFERRED APPROVAL ITEMS ARE AS FOLLOWS:



1 SITE PLAN CATALINA FOOTHILLS HIGH SCHOOL
1" = 100'-0"



EXPIRES 03-31-2014

PROJECT
CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

TITLE SHEET / SHEET INDEX

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	DATE
			Checker	04/08/11
			DRAWING NO.	

G0.1.1

- THIS PROJECT AREA IS EQUIPPED WITH A FIRE SPRINKLER SYSTEM.
- THIS CODE ANALYSIS FLOOR PLAN IS INTENDED FOR INFORMATION AND REFERENCE ONLY TO PROVIDE A GRAPHIC REPRESENTATION OF THE BUILDING LAYOUT FOR BUILDING CODE REVIEW.
- CONSTRUCTION TYPE: II-A
- DEFERRED SUBMITTALS FOR THE FOLLOWING SYSTEMS SHALL BE SUBMITTED TO AND APPROVED BY THE STATE FIRE MARSHAL PRIOR TO SUBMITTAL TO THE ARCHITECT:
A. FIRE ALARM SYSTEM.
B. FIRE SPRINKLER SYSTEM PLANS.
- TOILET, ELECTRICAL, IDF, RISER, MECHANICAL, AND JANITOR ROOMS FIGURED AS ACCESSORY USE. THEREFORE, OCCUPANCY LOADS FOR THESE ROOMS ARE NOT COUNTED FOR EXITING PURPOSES.
- PROVIDE A MINIMUM OF (1) 2a10bc FIRE EXTINGUISHER PER EVERY 3,000 SQUARE FEET OF FLOOR AREA WITH MAXIMUM TRAVEL DISTANCE OF 75 FEET, MOUNTED IN AN ACCESSIBLE LOCATION OR AS INDICATED IN DRAWINGS. REFER TO CODE ANALYSIS PLAN AND FLOOR PLANS.

WALL LEGEND

- XX ← WALL TYPES PER SHEET A8.0.1
- NON-RATED PARTITION
- 1 HOUR RATED PARTITION
- 2 HOUR RATED PARTITION

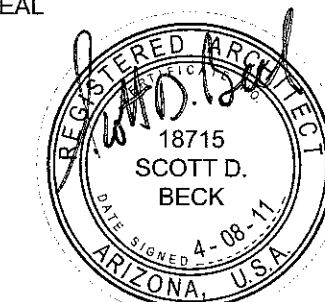
GENERAL NOTES

- BUILDING A - FINISH FLOOR IS 125'-0"
- BUILDING B - FINISH FLOOR IS 122'-0"
- DOOR FRAMES LOCATED NEAR ADJACENT WALLS OR CASEWORK TO BE 4" FROM INSIDE CORNER, OR TO NEAREST BLOCK MODULE AT CMU WALLS U.N.O.
- COORDINATE AND CONFIRM EXACT LOCATIONS OF ALL FLOOR MOUNTED OUTLETS PRIOR TO CONCRETE PLACEMENT. SEE ELEC.
- FOR TYPICAL WALL FRAMING DETAILS, SEE SHEET A8.0.1

LEGEND

- ROOM NAME
X ROOM NAME / ROOM NUMBER
- X EXIT DOOR NUMBER
- X ROOM OCCUPANCY
- M CUMULATIVE OCCUPANCY
- X EXITING OCCUPANTS
- EXIT PATH OF TRAVEL

SEAL



EXPIRES 03-31-2014

PROJECT CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

CODE ANALYSIS - A

NO.	DATE	ISSUE	DRAWN BY Author	PROJECT NO. 2010-0318-00
			CHECKED BY Checker	@ DATE 04/08/11
			DRAWING NO.	

G0.3.1

BUILDING CODE INFORMATION

PROJECT INFORMATION: KITCHEN EXPANSION

APPLICABLE CODES AND REGULATIONS: SEE SHEET G0.1.1

OCCUPANCY GROUP CLASSIFICATION: GROUP B

FIRE SAFETY:

THIS PROJECT WILL BE EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM.

OCCUPANCY GROUP: B

CONSTRUCTION TYPE: II-B

BASIC ALLOWABLE AREA (TABLE 503): 23,000 SF (TYPE II-B)
ACTUAL AREA: 47,871
ALLOWABLE AREA WITH SPRINKLER INCREASE: 103,500

AREA OF ADDITION: 2,159 SF
PERCENT INCREASE OF ADDITION: 2,159 SF / 47,871 SF = 4.5%

BASIC ALLOWABLE HEIGHT (TABLE 503): 4 STORIES/55 FEET
ACTUAL HEIGHT: 2 STORY/LESS THAN 55 FEET

OCCUPANT LOAD ANALYSIS:
SEE DRAWING

FOR EXITING REQUIREMENTS: SEE PLAN (THIS PAGE)

REQUIRED EGRESS WIDTH: 36" FOR UP TO 240 OCCUPANTS
48" FOR UP TO 320 OCCUPANTS
72" FOR UP TO 480 OCCUPANTS

MINIMUM NUMBER OF EXITS (TABLE 1015.1):
1 EXIT WITH OCCUPANT LOAD LESS THAN 49
2 EXITS WITH OCCUPANT LOAD OF 50 OCCUPANTS OR MORE

EXIT ACCESS TRAVEL DISTANCE, TABLE 1016.1:
OCCUPANCY GROUP B WITH SPRINKLER SYSTEM: 300 FEET
ACTUAL MAXIMUM TRAVEL DISTANCE: 75 FEET

MINIMUM NUMBER OF EXITS PER OCCUPANCY LOAD, TABLE 1019.1: 2

COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUP B SHALL NOT EXCEED 75'-0" TO EXIT ACCESS TO EXIT DOOR OR EXIT CORRIDOR (1014.3). ALL SPACES COMPLY WITH THIS REQUIREMENT

DOOR ENCROACHMENT, 1005.2:
DOORS OPENING INTO THE PATH OF EGRESS TRAVEL SHALL NOT REDUCE THE REQUIRED WIDTH OF LESS THAN ONE-HALF DURING THE COURSE OF THE SWING.
DOORS DO NOT ENCROACH INTO THE PATH OF TRAVEL.

DOOR SWING, 1008.1.2:
DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS.
ALL DOORS SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE.

DOOR OPERATIONS, 1008.1.8:
EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

PANIC AND FIRE EXIT HARDWARE, 1008.1.9:
REFER TO DOOR SCHEDULE FOR PANIC HARDWARE LOCATIONS.

EXIT SIGNS REQUIREMENT, 1011.1:
EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. ACCESS TO EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS. IN CASES WHERE THE EXIT OR EXIT PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS, EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN A CORRIDOR IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN. REFER TO ELECTRICAL PLAN FOR EXIT SIGN LOCATIONS.

EGRESS THROUGH INTERVENING SPACES, 1014.2.1 AND 2:

1. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS ARE ACCESSORY TO THE AREA SERVED, ARE NOT A HIGH-HAZARD OCCUPANCY AND PROVIDE A DISCERNABLE PATH OF EGRESS TRAVEL TO AN EXIT

2. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS, OR SPACES USED FOR SIMILAR PURPOSES. AN EXIT ACCESS SHALL NOT PASS THROUGH A ROOM THAT CAN BE LOCKED TO PREVENT EGRESS.

CORRIDOR WIDTH, 1017.2 AND 1017.2.4:
THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1, BUT NOT LESS THAN 44 INCHES.

DEAD ENDS, 1017.3:
WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN 50 FEET IN LENGTH.
GROUP B WITH AUTOMATIC SPRINKLER SYSTEM.

EXISTING BUILDINGS

3409.6 ALTERATIONS. A BUILDING, FACILITY OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN CHAPTER 11 AND ICC A117.1, UNLESS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

CONSTRUCTION TYPE REQUIREMENTS:

BASED ON 2006 INTERNATIONAL BUILDING CODE, CHAPTER 6, FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS), TABLE 601 & FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE, TABLE 602.

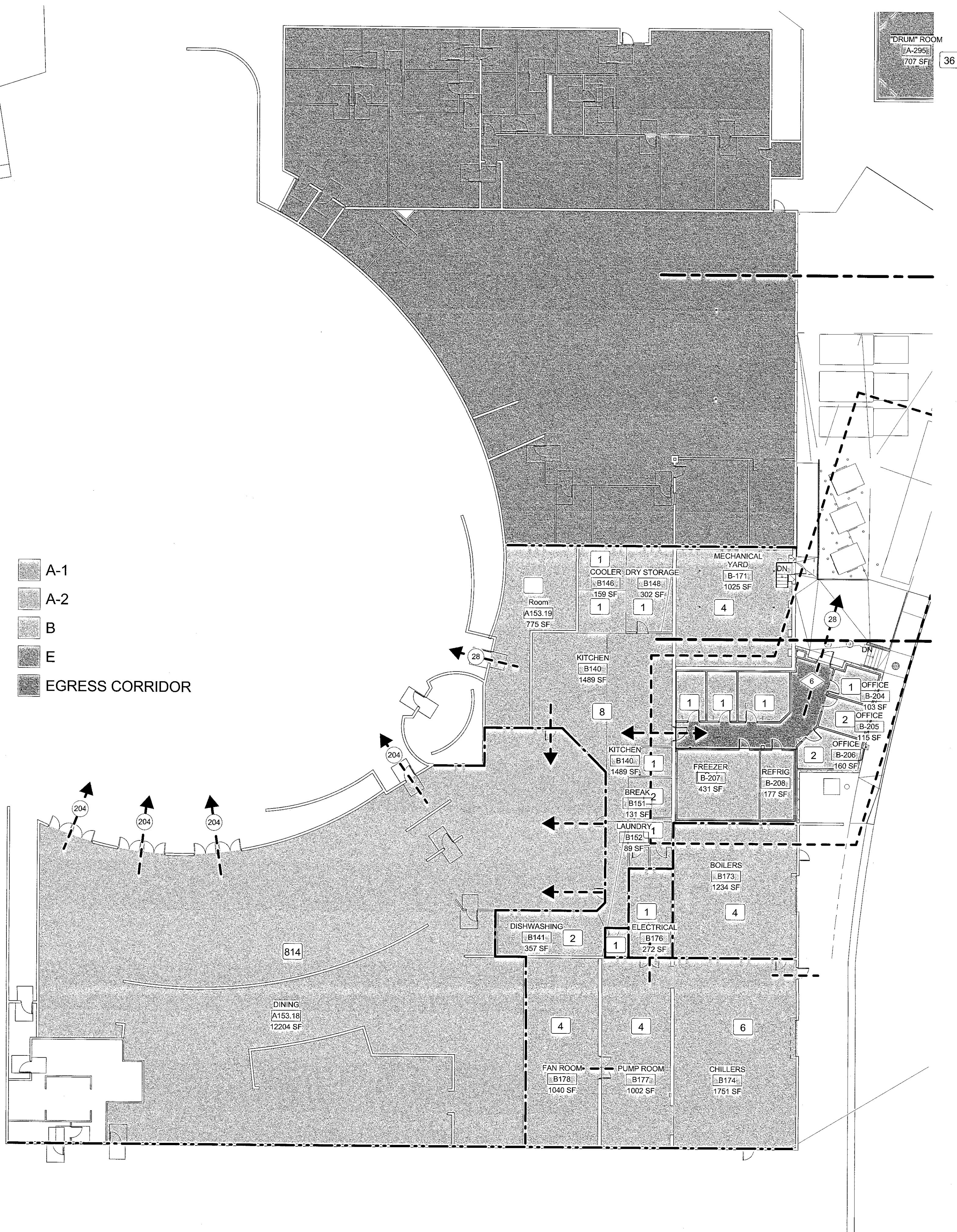
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

TABLE 601	
BUILDING ELEMENT	TYPE II-B
STRUCTURAL FRAME INCL. COLUMNS, GIRDERS, TRUSSES	0
BEARING WALLS: EXTERIOR: INTERIOR:	0 0
NON-BEARING WALLS & PARTITIONS: EXTERIOR: INTERIOR:	0 0
FLOOR CONSTRUCTION: INCL. SUPPORTING BEAMS & JOISTS	0
ROOF CONSTRUCTION: INCL. SUPPORTING BEAMS & JOISTS	0

FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (HOURS)

TABLE 602		
FIRE SEPARATION DISTANCE = X (FEET)	TYPE OF CONSTRUCTION	GROUP B
10 ≤ X < 30	IIB	0

- A-1
- A-2
- B
- E
- EGRESS CORRIDOR



1 BUILDING EXIT ANALYSIS

1/16" = 1'-0"

BUILDING CODE INFORMATION

PROJECT INFORMATION: PERFORMING ARTS EXPANSION

APPLICABLE CODES AND REGULATIONS: SEE SHEET G0.1.1

OCCUPANCY GROUP CLASSIFICATION: GROUP E

FIRE SAFETY:

THIS PROJECT WILL BE EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM.

OCCUPANCY GROUP: E

CONSTRUCTION TYPE: II-B

BASIC ALLOWABLE AREA (TABLE 503): 23,000 SF (TYPE II-B)
ACTUAL AREA: 47,871 ALLOWABLE AREA WITH
SPRINKLER INCREASE 103,500

AREA OF ADDITION: 1,280 SF
PERCENTAGE OF ADDITION: 1,280 SF/47,871 SF = 2.6%

BASIC ALLOWABLE HEIGHT (TABLE 503): 4 STORIES/55 FEET
ACTUAL HEIGHT: 1 STORY/LESS THAN 55 FEET

OCCUPANT LOAD ANALYSIS:
SEE DRAWING

FOR EXITING REQUIREMENTS: SEE PLAN (THIS PAGE)

REQUIRED EGRESS WIDTH: 36" FOR UP TO 240 OCCUPANTS
48" FOR UP TO 320 OCCUPANTS
72" FOR UP TO 480 OCCUPANTS

MINIMUM NUMBER OF EXITS (TABLE 1015.1):
1 EXIT WITH OCCUPANT LOAD LESS THAN 49
2 EXITS WITH OCCUPANT LOAD OF 50 OCCUPANTS OR MORE

EXIT ACCESS TRAVEL DISTANCE, TABLE 1016.1:
OCCUPANCY GROUP B WITH SPRINKLER SYSTEM: 300 FEET
ACTUAL MAXIMUM TRAVEL DISTANCE: 75 FEET

MINIMUM NUMBER OF EXITS PER OCCUPANCY LOAD, TABLE 1019.1 : 2

COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUP B SHALL NOT EXCEED 75'-0" TO EXIT ACCESS TO EXIT DOOR OR EXIT CORRIDOR (1014.3). ALL SPACES COMPLY WITH THIS REQUIREMENT

DOOR ENCROACHMENT, 1005.2:
DOORS OPENING INTO THE PATH OF EGRESS TRAVEL SHALL NOT REDUCE THE REQUIRED WIDTH OF LESS THAN ONE- HALF DURING THE COURSE OF THE SWING.
DOORS DO NOT ENCROACH INTO THE PATH OF TRAVEL.

DOOR SWING, 1008.1.2:
DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS.
ALL DOORS SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE.

DOOR OPERATIONS, 1008.1.8:
EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

PANIC AND FIRE EXIT HARDWARE, 1008.1.9:
REFER TO DOOR SCHEDULE FOR PANIC HARDWARE LOCATIONS.

EXIT SIGNS REQUIREMENT, 1011.1:
EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. ACCESS TO EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS. IN CASES WHERE THE EXIT OR EXIT PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS, EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN A CORRIDOR IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.
REFER TO ELECTRICAL PLAN FOR EXIT SIGN LOCATIONS.

EGRESS THROUGH INTERVENING SPACES, 1014.2.1 AND .2:

1. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS ARE ACCESSORY TO THE AREA SERVED, ARE NOT A HIGH-HAZARD OCCUPANCY AND PROVIDE A DISCERNABLE PATH OF EGRESS TRAVEL TO AN EXIT

2. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS, OR SPACES USED FOR SIMILAR PURPOSES. AN EXIT ACCESS SHALL NOT PASS THROUGH A ROOM THAT CAN BE LOCKED TO PREVENT EGRESS.

CORRIDOR WIDTH, 1017.2 AND 1017.2.4:
THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1, BUT NOT LESS THAN 44 INCHES.

DEAD ENDS, 1017.3:
WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN 50 FEET IN LENGTH.
GROUP B WITH AUTOMATIC SPRINKLER SYSTEM.

EXISTING BUILDINGS

3409.6 ALTERATIONS. A BUILDING, FACILITY OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN CHAPTER 11 AND ICC A117.1, UNLESS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

CONSTRUCTION TYPE REQUIREMENTS:

BASED ON 2006 INTERNATIONAL BUILDING CODE, CHAPTER 6, FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS), TABLE 601 & FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE, TABLE 602.

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

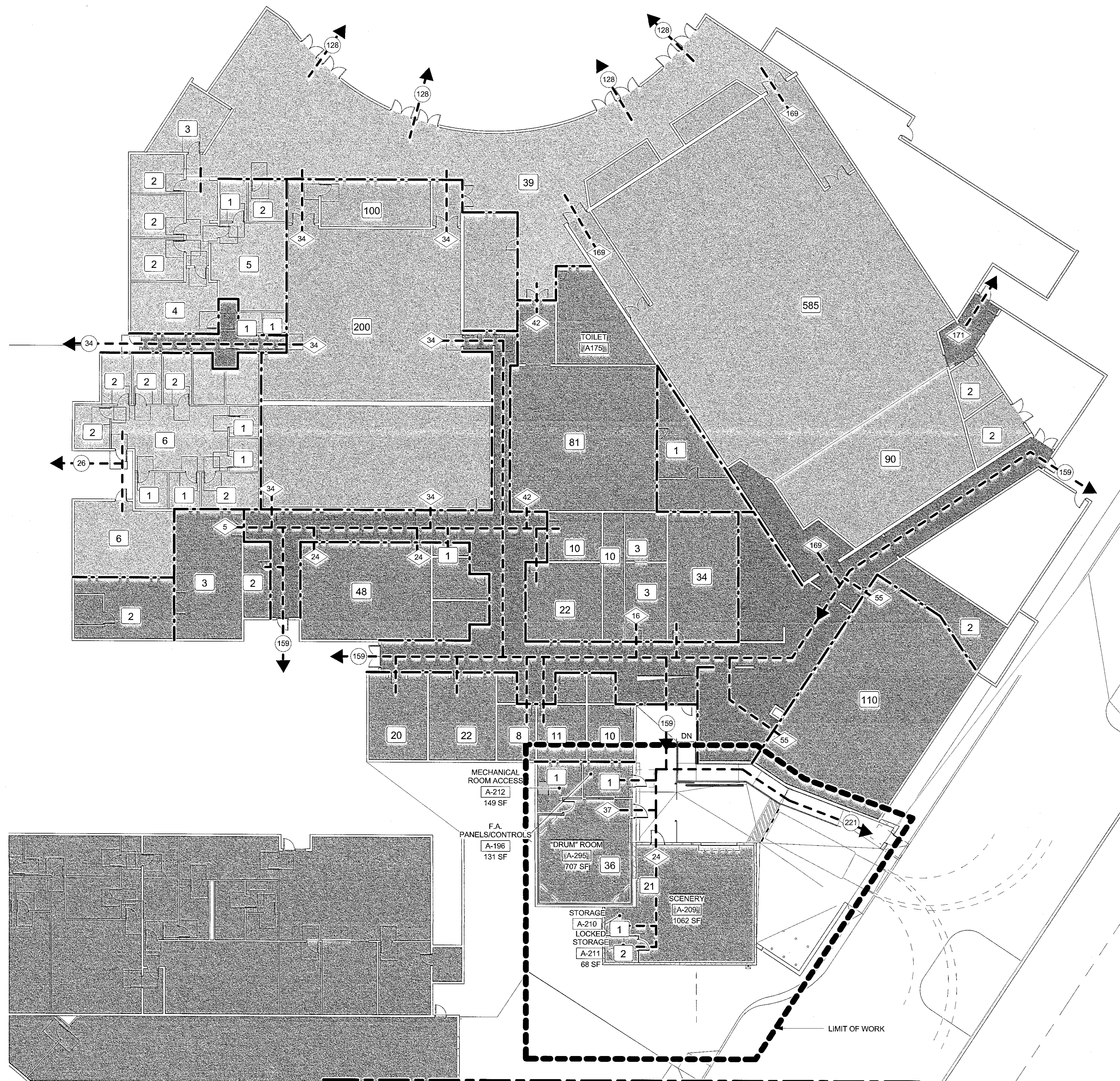
TABLE 601

BUILDING ELEMENT	TYPE II-B
STRUCTURAL FRAME INCL. COLUMNS, GIRDERS, TRUSSES	0
BEARING WALLS: EXTERIOR: INTERIOR:	0 0
NON-BEARING WALLS & PARTITIONS: EXTERIOR: INTERIOR:	0 0
FLOOR CONSTRUCTION: INCL. SUPPORTING BEAMS & JOISTS	0
ROOF CONSTRUCTION: INCL. SUPPORTING BEAMS & JOISTS	0

FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (HOURS)

TABLE 602

FIRE SEPARATION DISTANCE = X (FEET)	TYPE OF CONSTRUCTION	GROUP B
$10 \leq X < 30$	IIB	0



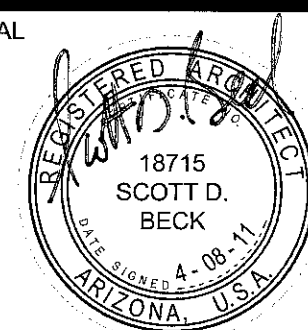
1 BUILDING EXIT ANALYSIS-A

1/16" = 1'-0"

LEGEND

ROOM NAME X	ROOM NAME / ROOM NUMBER
X	EXIT DOOR NUMBER
X	ROOM OCCUPANCY
M	CUMULATIVE OCCUPANCY
X	EXITING OCCUPANTS
→	EXIT PATH OF TRAVEL

SEAL



EXPIRES 03-31-2014

PROJECT

CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

CODE ANALYSIS - B

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			LC	2010-0318-00
			CHECKED BY	DATE
			Checker	04/08/11
			DRAWING NO.	

G0.3.2

GENERAL NOTES

1. FOR APPLICABLE CODES AND STANDARDS, REFER TO SHEET G01.1 OTHERWISE.
2. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE, TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.
3. CONFIRM ALL NEW AND EXISTING CONDITIONS WITH THE CONTRACT DOCUMENTS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL DISCREPANCIES OR CONFLICTS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTOR'S RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.
4. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN ON CONSULTING ENGINEERS DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEER'S DOCUMENTS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION FOR DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT NO EXPENSE TO THE OWNER.
5. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL ADDITIONAL REQUIRED DIMENSIONS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF THE CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTOR'S RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.
6. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS BY CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL EXPENSE TO THE OWNER.
7. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND CONDITIONS.
8. SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES AND LICENSES REQUIRED FOR PROPER COMPLETION OF THE WORK. REQUEST ALL INSPECTIONS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES AND COORDINATE THE WORK ACCORDINGLY.
9. WHERE WORK OR EQUIPMENT IS INDICATED "N.C." (NOT IN CONTRACT) ON THE DRAWINGS, SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.
10. ALL PLAN DIMENSIONS SHOWN AT CENTER OF WALL REPRESENT CENTER LINE OF STUD OR STRUCTURAL ELEMENT UNLESS NOTED OTHERWISE.
11. ALL PLAN DIMENSIONS FOR MASONRY AND CONCRETE REPRESENT FACE OF MATERIAL AND OPENING UNLESS NOTED OTHERWISE.
12. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD AT NEW CONSTRUCTION AND FACE OF FINISH AT EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.
13. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS NOTED "(x)" OR "VERIFY". DIMENSIONS NOTED "HOLD" SHALL BE CONSIDERED AS ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY ARCHITECT.
14. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE FINISH FLOOR).
15. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION, WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND ORIENTATION ON PLANS.
16. PROVIDE WORK NOT SPECIFICALLY DETAILED OR SPECIFIED IN ACCORDANCE WITH DETAILS OR SIZES COVERING SIMILAR WORK.
17. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL. NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.
18. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH DOCUMENT ABBREVIATION LIST OR ARE THOSE IN COMMON USE. ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.
19. REFER TO THE PROJECT MANUAL FOR GENERAL CONDITIONS, SUPPLEMENTARY AND SPECIAL CONDITIONS, AND OTHER REQUIREMENTS.
20. PROVIDE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. PROVIDE TEMPORARY PASSAGES AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, CHECK WITH [OWNER/ARCHITECT/RESIDENT INSPECTOR] FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES USE AREA OUTSIDE THE CONSTRUCTION ZONE WITHOUT PRIOR CLEARANCE FROM THE [OWNER/ARCHITECT/RESIDENT INSPECTOR]; COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.
21. PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION AND SIZE OF OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY ARCHITECT.
22. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. NOTIFY OWNER IN ADVANCE OF HVAC, ELECTRICAL OR OTHER BUILDING SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.
23. REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.
24. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE BUILDING AND SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE BUILDING AND SITE AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF ARCHITECT AND OWNER.
25. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER.
26. COORDINATE THE LOCATION AND TYPE OF ALL ACCESS PANELS REQUIRED FOR ACCESSING MECHANICAL, PLUMBING, ELECTRICAL AND OTHER BUILDING SYSTEMS WITH ARCHITECT.
27. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE AND COMPLY WITH APPLICABLE CODES AND REGULATIONS. CONTRACTOR'S SUBSTITUTION OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO OWNER.
28. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM.
29. PROTECTION DURING WELDING: PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT.

FINISH NOTES

1. ALL CEILING HEIGHT DIMENSIONS MEASURED TO FINISH SURFACES UNLESS NOTED OTHERWISE.
2. EXTEND BASE MATERIAL BEHIND ALL MOVABLE EQUIPMENT AND INTO ALL ALCOVES, KNEESPACES AND SIMILAR AREAS, UNLESS NOTED OTHERWISE.
3. WHEN COUNTERTOP SPLASH IS REQUIRED, EXTEND SPLASH ON SIDES WHERE COUNTER JOINS ADJACENT WALL SURFACE UNLESS NOTED OTHERWISE.
4. ALL INTERIOR FINISHES SHALL COMPLY WITH CHAPTERS 8 IBC.
5. PROVIDE BACKING PLATES OR BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT, CASEWORK, AND ACCESSORIES AS REQUIRED FOR POSITIVE ATTACHMENT TO STRUCTURE.
6. SEAL ALL PENETRATIONS OF SOUND RATED PARTITIONS, FLOORS OR CEILING ASSEMBLIES, INCLUDING ELECTRICAL DEVICES, CABINETS AND OTHER ELEMENTS WITH APPROVED RESILIENT SEALANT. SEE AGENCY NOTES FOR PENETRATION REQUIREMENTS OF FIRE RATED AND SOUND RATED ASSEMBLIES.

STRUCTURAL NOTES

1. SUPPORT AND BRACE ALL PIPES, DUCTS, AND CONDUITS.
2. PROVIDE ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR ALL DEMOLITION AND NEW WORK AS REQUIRED. ASSUME FULL RESPONSIBILITY FOR REPAIR AND/OR REPLACEMENT OF DAMAGED AREAS, INCLUDING BUT NOT NECESSARILY LIMITED TO, STRUCTURE, FINISHES, EQUIPMENT AND FURNISHINGS IF DAMAGE OF ANY KIND OCCURS AS RESULT OF IMPROPER OR INADEQUATE SHORING OR BRACING.
3. UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, DO NOT CUT OR OTHERWISE MODIFY STRUCTURAL ELEMENTS WITHOUT DIRECTION FROM ARCHITECT. PROVIDE REINFORCEMENT, SUPPORT, TEMPORARY SHORING SATISFACTORY TO THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY BUILDING ELEMENT. PROVIDE ALL CUTTING OF STRUCTURAL ELEMENTS, AND ALL ASSOCIATED REPAIR OR REFINISHING OF ADJACENT SURFACES AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING NON-PRE-STRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING PRE-STRESSED REINFORCED CONCRETE (POST OR PRE TENSIONED), USE A NON-DESTRUCTIVE METHOD TO LOCATE TENDONS PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
5. PROVIDE TEMPORARY SHORING FOR EXCAVATIONS THAT REMOVE THE LATERAL SUPPORT FROM AN EXISTING BUILDING OR A PUBLIC WAY. PRIOR TO ISSUANCE OF PERMIT, OBTAIN APPROVAL FROM THE ENFORCING AGENCY FOR EXCAVATIONS ADJACENT TO A PUBLIC WAY.
6. OBTAIN NECESSARY PERMITS, PRIOR TO ISSUANCE OF A BUILDING OR GRADING PERMIT FOR ALL TRENCHING.

DEMO AND RENOVATION NOTES

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH IBC, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BEFORE PROCEEDING WITH THE WORK.
2. VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, MECHANICAL, PLUMBING, ELECTRICAL, AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF EXISTING SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION.
3. REFER TO DOCUMENTS PREPARED BY CONSULTING ENGINEERS FOR INFORMATION REGARDING THE REMOVAL OF EXISTING SYSTEMS.
4. COMPLY WITH ANSI A10.8 "SAFETY REQUIREMENTS FOR DEMOLITION" PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
5. IN AREAS WHERE SPRAYED FIREPROOFING HAS BEEN DAMAGED OR REMOVED, INSTALL W. R. GRUBB RETRO-GUARD RG-96 I.C.B.O. REPORT #4687 AND AS REQUIRED TO RESTORE ORIGINAL FIRE RATING.

ACCESSIBILITY NOTES

1. PUBLIC WALKS FROM THE BUILDING TO THE PUBLIC WAY AND TO PARKING AREAS DESIGNATED AS ACCESSIBLE SHALL COMPLY WITH CHAPTER 11 IBC. PROVIDE WALKS A MINIMUM OF 48 INCHES WIDE AND WITH A GRADIENT NOT GREATER THAN 5% (1:20), WITH NO ABRUPT CHANGES GREATER THAN 1/2 INCHES IN THE DIRECTION OF TRAVEL.
2. PROVIDE WALKS WITH LEVEL LANDINGS AT ALL EXTERIOR EXIT DOORS COMPLYING WITH CHAPTER 11. WITH NOT LESS THAN 60 INCHES X 60 INCHES IN DIMENSION AND WITH MAXIMUM 2 PERCENT SLOPE.
3. SURFACE CROSS SLOPE GRADIENT SHALL NOT EXCEED 2 PERCENT PER FOOT AT WALKS AND PATHS WITHIN THE ACCESSIBLE PATH OF TRAVEL.
4. PROVIDE ACCESSIBLE BUILDING ENTRANCES COMPLYING WITH CHAPTER 11 IBC, UNLESS SHOWN OTHERWISE.
5. PROVIDE WARNING CURB, RAILING/GUIDE RAIL, OR OTHER PROTECTIVE DEVICE AT ALL ABRUPT CHANGES IN LEVEL, (EXCEPT BETWEEN A WALKSIDEWALK AND ADJACENT STREET OR DRIVEWAY) COMPLYING WITH CHAPTER 11 IBC. PROVIDE MINIMUM 6 INCH HIGH CURB, WHERE GUARDRAIL, OR HANDRAIL IS PROVIDED. NO CURB IS REQUIRED IF GUIDE RAIL IS PROVIDED. CENTERED AT 3 INCHES ABOVE SURFACE OF WALKWAY, PLUS OR MINUS 1 INCH. NO CURB IS REQUIRED IF WALKWAY IS 5 PERCENT OR LESS IN GRADIENT OR NO ADJACENT HAZARD EXISTS.
6. DOOR CONSTRUCTION AND HARDWARE

PROVIDE THE BOTTOM 10 INCHES OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING DOORS) WITH A SMOOTH UNINTERRUPTED SURFACE PERMITTING THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

LIMIT DOOR OPERATING FORCE IN COMPLIANCE WITH CHAPTER 11 IBC. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:

- 8.5 POUNDS FOR EXTERIOR DOORS
- 5 POUNDS FOR INTERIOR DOORS
- 15 POUNDS FOR DOORS WITH FIRE RATED LABELS.

PROVIDE DOOR OPENING HARDWARE COMPLYING WITH CHAPTER 11, IBC. CENTER HAND-ACTIVATED DOOR OPENING HARDWARE BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR. HAND ACTIVATED LATCHING AND LOCKING DOORS, LOCATED IN THE PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL BE ACCESSIBLE AS SPECIFIED IN DIRECTION OF EGRESS.

PROVIDE THRESHOLDS COMPLYING WITH CHAPTER 11 IBC, WITH MAXIMUM TOTAL HEIGHT OF 1/2 INCHES.

7. ACCESSIBLE SINKS

PROVIDE SINKS COMPLYING WITH CHAPTER 11 IBC.

PROVIDE ACCESSIBLE CONTROLS COMPLYING WITH CHAPTER 11 IBC.

PROVIDE KNEE CLEARANCE UNDER SINKS MINIMUM 30 INCHES WIDE AND MINIMUM 27 INCHES HIGH, MEASURED FROM FINISH FLOOR TO BOTTOM OF SINK, AND EXTENDING A MINIMUM OF 19 INCHES FROM APRON FRONT EDGE.

PROVIDE SINKS WITH MAXIMUM DEPTH OF 6-1/2 INCHES.

INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER SINK. SHARP OR ABRASIVE SURFACES UNDER SINKS ARE NOT PERMITTED.

PROVIDE FAUCET CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND AND NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. LIMIT FORCE REQUIRED TO ACTIVATE CONTROLS TO MAXIMUM 5 POUNDS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

FIRE & LIFE SAFETY NOTES

1. ALL INTERIOR FINISHES SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 8 IBC. ALL FINISHES SHALL HAVE A FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD NO. 8-1, and SHALL HAVE A CLASS 0 OR I FLAME SPREAD CLASSIFICATION PER TABLE 8-A.
2. ALL INSULATION MATERIALS INSTALLED WITHIN ROOF, CEILING ASSEMBLIES, ATTICS, OR WALLS SHALL HAVE A FLAME - SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH I.B.C. STANDARD NO. 8-1.
3. ALL RATED DOORS SHALL BE POSITIVE LATCHING.
4. ALL FIRE RATED DOOR ASSEMBLIES SHALL BE PROVIDED WITH APPROVED GASKETING MATERIAL INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP.
5. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE FOR ALL RATED OPENING ASSEMBLIES.
6. PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF ASTM-E-814 AND UBC STANDARD 7-5 AND IN COMPLIANCE WITH THE PROJECT MANUAL.
7. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATIONS, INCLUDING CONDUITS AND PIPING, THROUGH FIRE RATED WALL, FLOOR AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH UBC STANDARD 7-5 AND THE PROJECT MANUAL. WHERE TEM PENETRATES AN AREA SEPARATION WALL, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.
8. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A-10BC WITHIN A 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 1-BC FOR ELECTRICAL ROOMS, MECHANICAL ROOMS, ELEVATOR MACHINE ROOMS AND TRASH ROOMS.
10. PROVIDE AN APPROPRIATE NUMBER OF PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 4A-60BC FOR PROTECTION DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION.
12. DO NOT BLOCK EXITS AT ANY TIME.
13. PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS OF FIRE RATED WALLS, FLOORS, PARTS AND CEILINGS. COMBINATION FIRE/SMOKE DAMPERS SHALL BE USED AT DUCT PENETRATIONS OF RATED CORRIDOR WALLS.
14. FIRE DAMPER DETAILS SHOWN FOR REFERENCE ONLY. FIRE DAMPERS SHALL BE APPROVED AND LISTED BY STATE FIRE MARSHAL. INSTALL STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS AND LISTING APPROVAL. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
15. DUCT INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
16. FIRE SPRINKLER SYSTEM AND AUTOMATIC EXTINGUISHING SYSTEM IS A DEFERRED APPROVAL SYSTEM OF THE WORK. FIRE SPRINKLER SYSTEM SHOWN ON THE DRAWINGS AND SPECIFIED IN THE PROJECT MANUAL SHALL BE USED AS THE BASIS FOR BIDDING AND PREPARATION OF DEFERRED APPROVAL SHOP DRAWINGS. IT SHALL NOT BE USED FOR CONSTRUCTION. DEFERRED APPROVAL SHOP DRAWINGS SHALL BE SUBMITTED TO FIRE MARSHAL FOR APPROVAL PRIOR TO INSTALLATION. DRAWINGS SHALL BE STAMPED AND SIGNED BY A C-16 CONTRACTOR, LICENSED FIRE PROTECTION ENGINEER, LICENSED MECHANICAL ENGINEER OR LICENSED CIVIL ENGINEER. PROVIDE TESTING IN THE PRESENCE OF THE ENFORCING AGENCY AT VARIOUS STAGES AND UPON COMPLETION AS SPECIFIED AND AS DIRECTED BY THE ENFORCING AGENCY. THE ARCHITECT WILL REVIEW SHOP DRAWINGS FOR HEAD TYPE, LOCATION CONFLICT AND SEISMIC RESTRAINT ONLY.

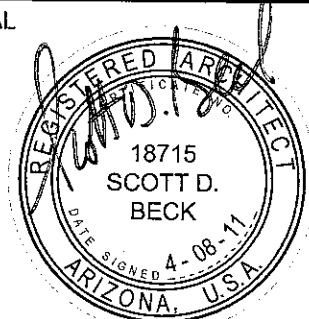


2940 North Swan Road, Suite 214
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520/784.0575

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EXPIRES 03-31-2014

PROJECT

CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

GENERAL NOTES

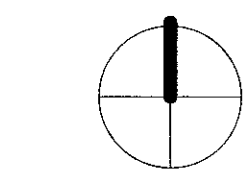
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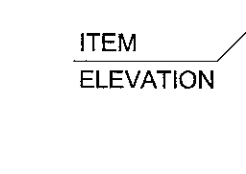
ABBREVIATIONS

AND	DW	DISHWASHER	ID	INSIDE DIAMETER
ANGLE	DWG	DRAWING	IF	INSIDE FACE
ANCHOR BOLT	DWL	DOWEL	ILLUM	ILLUMINATION
ABANDON	DWR	DRAWER	INCAND	INCANDESCENT
ABS	DWV	DRAIN WASTE & VENT	INL	INLET
ABV	E	EAST	INSTL	INSTALLATION
AC	EA	EACH	INSUL	INSULATION
ASPHALTIC CONCRETE	(E)	EXISTING	INT	INTERIOR
ACOUSTICAL	EC	ELASTOMERIC COATING	INV EL	INVERT ELEVATION
ASPHALT CONCRETE PAVING	ECON	ECONOMIZER	IP	IRON PIPE
ACP	ECU	EVAPORATIVE COOLING UNIT	IPS	INSIDE PIPE SIZE
ACT	EF	EACH FACE	IPS	INTERNATIONAL PIPE STANDARD
AIR CONDITIONING UNIT	EHD	ELECTRIC HAND DRYER	ISO	ISOMETRIC
AD	EJ	EXPANSION JOINT	IWH	INSTANTANEOUS WATER HEATER
ADDL	EL	ELEVATION		
ADJ	ELAST	ELASTOMERIC	JAN	JANITOR
AF	ELEC	ELECTRIC(AL)	JB	JUNCTION BOX
AFG	ELEV	ELEVATOR	JST	JOIST
AGGR	EMER	EMERGENCY	JD	JOINT
AIR HANDLING UNIT	ENAM	ENAMEL	KD	KILN DRIED
AL	ENCL	ENCLOSURE	KO	KNOCK DOWN
ALT	ENGR	ENGINEER	KO	KNOCKOUT
AMT	ENTR	ENTRANCE	KPL	KICKPLATE
ANOD	EP	ELECTRICAL PANEL		
AP	EOP	EDGE OF PAVEMENT	L	LEFT
APPROX	EPOM	ETHYLENE PROPYLENE DIENE MONOMER	L	LEADER
ARCH	EQ	EQUAL	LAM	LAMINATED
ASD	EQL SP	EQUALLY SPACED	LAT	LATERAL
ASPH	EQUIP	EQUIPMENT	LAV	LAVATORY
ASSY	ES	EACH SIDE	LB	LAG BOLT
AV	EST	ESTIMATE	LB	ROUND LB
AWP	ESMNT	EASEMENT	LDG	LANDING
	EW	EACH WAY	LDR	LEADER
BAL	EW	ELECTRICAL WATER COOLER	LF	LINEAR FOOT
BBD	EXH	EXHAUST	LG	LONG
BBRG	EXIST	EXISTING	LG	LONG
BC	EXIST GR	EXISTING GRADE	LH	LEFT HAND
BD	EXP	EXPANSION	LHR	LEFT HAND REVERSE
BG	EXP JT	EXPANSION JOINT	LIN	LINEAR
BETW	EXT	EXTERIOR	LKR	LOCKER
BEV	FF	FACE TO FACE	LL	LIVE LOAD
BTUM	FA	FIRE ALARM	LLH	LONG LEG HORIZONTAL
BLDG	FACP	FIRE ALARM CONTROL PANEL	LLV	LONG LEG VERTICAL
BLK	FC	FOOTCANDLE	LOC	LOCATION
BLKG	FCU	FLOOR CLEANOUT	LONG	LONGITUDINAL
BLKHD	FCU	FLOOR CLEANOUT	LP	LOW POINT
BLW	FAN COIL	FAN COIL UNIT	LP	LOW PRESSURE
BM	FD	FIRE DAMPER	LS	LUMP SUM
BM	FD	FLOOR DRAIN	LT	LIGHT
BMU	FDC	FIRE DEPARTMENT CONNECTION	LT WT	LIGHT WEIGHT
BOF	FDN	FOUNDATION	LTG	LIGHTING
BOT	FE	FIRE EXTINGUISHER	LTG PNL	LIGHTING PANEL
BRS	FEC	FIRE EXTINGUISHER CABINET	LUB	LUBRICATE
BR	FEM	FEMALE	LV	LOW VOLTAGE
BR	FGL	FIBERGLASS	LVL	LEVEL
BSMNT	FHC	FIRE HOSE CABINET	LVR	LOUVER
BUR	FHMS	FLAT HEAD MACHINE SCREW	LVR	LOUVER
	PHWS	FLAT HEAD WOOD SCREW	LWC	LIGHT WEIGHT CONCRETE
	PH	FIRE HYDRANT		
C	FIN	FINISH	M	MIRROR
C&G	FIXT	FIXTURE	MACH RM	MACHINE ROOM
C/C	FF	FINISH FLOOR	MAINT	MAINTENANCE
CAB	FG	FINISH GRADE	MAN	MANUAL
CB	FL	FLASHING	MARB	MARBLE
CBD	FL	FLOW LINE	MAS	MASONRY
CCTV	FLR	FLOOR/FLOORING	MATL	MATERIAL
CCW	FLR FIN	FLOOR FINISH	MAU	MAKE-UP AIR UNIT
CEM	FLUOR	FLUORESCENT	MAX	MAXIMUM
CER	FOC	FACE OF CONCRETE	MB	MACHINE BOLT
CI	FOF	FACE OF FINISH	MB	MIXING
CIP	FOM	FACE OF MASONRY	MBF	THOUSAND BOARD FEET
CJ	FOS	FACE OF STUD	MBD	MARKER BOARD
CJ	FPM	FEET PER MINUTE	MC	MOMENT CONNECTION
CF	FREQ	FREQUENCY	MD	MEDICINE CABINET
CFX	FS	FLOOR SINK	MDF	MEDIUM DENSITY FIBERBOARD
CG	FSPR	FIRE SPRINKLER	MD	MEDIUM DENSITY OVERLAD
CL	FSS	FOLDING SHOWER SEAT	MECH	MECHANICAL
CLG	FSTNR	FASTENER	MED	MEDIUM
CLG DIFF	FT	FOOT	MEMB	MEMBRANE
CLG HT	FTG	FITTING	MET	METAL
CLG REG	FTG	FOOTING	MEZZ	MEZZANINE
CLO	FURR	FURRING	MFR	MANUFACTURER
CLR	FURN	FURNITURE	MH	MANHOLE
CMP	FUT	FUTURE	MI	MILE
CMU	FWC	FABRIC WALL COVERING	MIR	MIRROR
CO	G	GAS	MGL	MIRROR GLASS
COL	GA	GAGE/GAUGE	MOLDG	MOLDING
COM	GAL	GALLON	MLWK	MILLWORK
COMB	GALV	GALVANIZED	MO	MASONRY OPENING
COMPL	GB	GRAB BAR	MOD	MODULE
CONC	GB	GRAB BAR	MOM	MOMENTUM
CONC FL	GI	GALVANIZED IRON	MPI	MILES PER HOUR
COND	GL	GLASS	MR	MOP RACK
CONF	GLU LAM	GLUE LAMINATED	MS	MIRROR WITH SHELF
CONN	GLBM	GLUE LAMINATED BEAM	MTD	MOUNTED
CONSTR	GLZ	GLAZING	MTG	MEETING
CONT	OSTL	GLASS MASONRY UNIT	MTG	MOUNTING
CONTR	GND	GROUND	MTR	METER
COORD	GOVT	GOVERNMENT	MTR	MORTAR
CORR	GPH	GALLONS PER HOUR	MULL	MULLION
COTG	GPM	GALLONS PER MINUTE	MULT	MULTIPLE
COV	GR	GRADE/GRADING		
COV FL	GRC	GRAFT/ITI RESISTANT COATING	#	NUMBER
CP	GR BM	GRADE BEAM	N	N

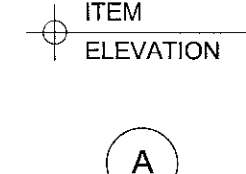
SYMBOLS



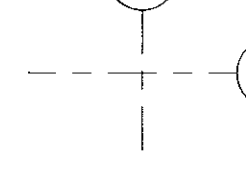
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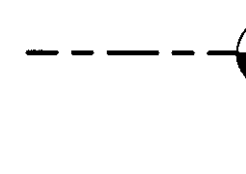
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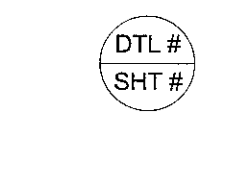
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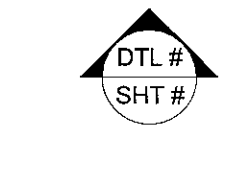
STRUCTURAL GRID LINES



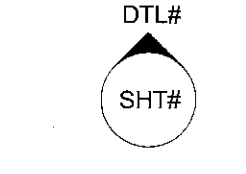
MATCH LINE



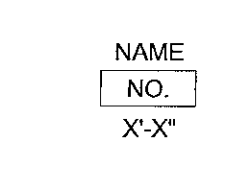
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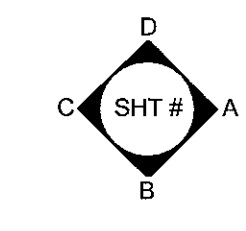
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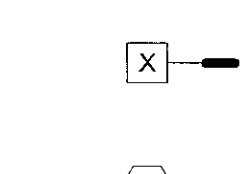
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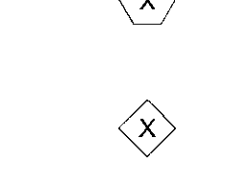
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ROOM NUMBER
ROOM CEILING HEIGHT



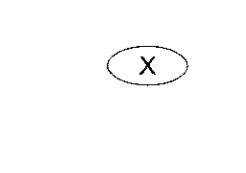
INTERIOR ELEVATION TAG
DETAIL NUMBER
SHEET NUMBER



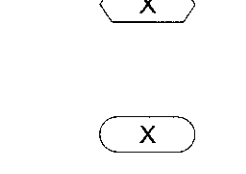
WALLTYPE TAG
(SEE SHEET G0.7)



EQUIPMENT TAG



DOOR NUMBER TAG
(SEE DOOR / FRAME SCHEDULE)



DEMOLITION KEYNOTE

SQ	SQUARE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SANITARY SEWER
SR	SHOWER ROD
SSNK	SERVICE SINK
SSTL	STAINLESS STEEL
ST	STREET
ST	STAN FINISH
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STX	STAIN FINISH - EXTERIOR
SUH	SUSPENDED UNIT HEATER
SUSP	SUSPENDED
SV	STONE VENEER
SWHR	SHOWER
SWR	SEWER
SYM	SYMBOL
SYM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TEE
T	THERMOSTAT
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	TOWEL BAR
TBD	TACKBOARD
TBD	TO BE DETERMINED
TBT	THIN BRICK TILE
TC	TOP OF CONCRETE
TC	TOP OF CURB
TD	TOWEL DISPENSER
TDR	TRENCH DRAIN
TE	TOWEL DISPENSER WASTE RECEPTACLE
TE	TOP ELEVATION
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERED
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERM	TERMINAL
THK	THICKNESS
THRESH	THRESHOLD
THRU	THROUGH
THRM	TOP OF BEAM
TOC	TOP OF CURB
TOD	TOP OF FOOTING
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PAVING
TOS	TOP OF PARAPET
TOS	TOP OF SHEATHING
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TH	THIN PLATEF HOLDER
TPL	TOP OF PLATE
TRANS	TRANSPARENT
TRMS	TAMPER RESISTANT METAL SCREW
TRWS	TAMPER RESISTANT WOOD SCREW
TS	TUBE SCHEDULE
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UNGD	UNDERGROUND
UNIF	UNIFORM
UNO	UNNOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VCP	VITRIFIED CLAY PIPE
VCTBD	VINYL COVERED TACKBOARD
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VIB	VIBRATION
VIT	VITREOUS
VNR	VENEER
VOL	VOLUME
VS	VEHICULAR SIGN
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST
W	WITH
WO	WITHOUT
WW	WALL TO WALL
WC	WATER CLOSET
WOO	WALL CLEANOUT
WD	WOOD
WOW	WINDOW
WF	WIDE FLANGE
WGL	WIRE GLASS
WH	WALL HYDRANT
WHTR	WATER HEATER
WI	WROUGHT IRON
WIC	WORKING INSTITUTE OF CALIFORNIA
WID	WIDTH
WL	WATER LINE
WL	WIND LOAD
WP	WORKING POINT
WP	WATERPROOF
WR	WATER RESISTANT
WR	WASTE RECEPTACLE
WSCOT	WAINSCOT
WSP	WET STAND PIPE
WT	WEIGHT
WTR	WATER
WTRPRF	WATERPROOFING
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YB	YARD BOX
YD	YARD
ZA	ZINC ALLOY

PC POINT OF CURVE
 PCF PORTLAND CEMENT
 PCF POUNDS PER CUBIC FOOT
 PD PLASTER DRAIN
 PERF PERFORATED
 PERIM PERIMETER
 PERM PERMANENT
 PERP PERPENDICULAR
 PF PAINT FINISH
 PFX PAINT FINISH - EXTERIOR
 PGL PLASTIC GLAZING
 PH PHASE
 PHOTO PHOTOGRAPH
 PHS PHILLIP HEAD SCREW
 PI POINT OF INTERSECTION
 PIV POST INDICATOR VALVE
 PKG PACKAGE
 PL PLATE
 PL PROPERTY LINE
 PLAM PLASTIC LAMINATE
 PLAS PLASTER
 PLAT PLATFORM
 PLBG PLUMBING
 PLF POUNDS PER LINEAR FOOT
 PLWD PLASTIC WOOD
 PNL PANEL
 PNT PAINT
 POL POLISHED
 PORT PORTABLE
 POS POSITIVE
 PR PAIR
 PRCAST PRECAST
 PREFAB PREFABRICATED
 PREFIN PREFINISHED
 PRELM PRELIMINARY
 PREP PREPARATION
 PRKG PARKING
 PROJ PROJECT
 PROP PROPERTY
 PSI PROJECTION SCREEN
 PSF POUNDS PER SQUARE FOOT
 PSI POUNDS PER SQUARE INCH
 PTD PAPER TOWEL DISPENSER
 PTN PARTITION
 PTR PAPER TOWEL RECEPTACLE
 PTS POUNDS PER TON
 PVC POLYVINYL CHLORIDE
 PVG PAVING
 PVMT PAVEMENT
 PWR POWER

 QT QUARRY TILE
 QTR QUARTER
 QTY QUANTITY
 QVAL QUALITY

 RA RETURN AIR
 RA GR RETURN AIR GRILLE
 RAD RADIUS
 RB RUBBER BASE
 RBR RUBBER
 RC REINFORCED CONCRETE
 RCF REINFORCED CONCRETE PIPE
 RD ROAD
 RD ROOF DRAIN
 REC RECESSED
 RECD RECEIVED
 REGR RECYCLATE
 RECP RECEPTACLE
 RECP RECEPTIONIST
 RECT RECTANGULAR
 REF REFERENCE
 REFL REFLECTOR
 REFR REFRIGERATOR
 REG REGISTER
 REINF REINFORCED/REINFORCING
 REM REMOVABLE
 RE RISE
 REOD RISE ELEVATION
 REQ REQUIRED
 RESIL RESILIENT
 RET RETURN
 RFG ROOFING
 RH RELATIVE HUMIDITY
 RH RIGHT HAND
 RHMS ROUND HEAD MACHINE SCREW
 RHR RIGHT HAND REVERSE
 RHWS ROUND HEAD WOOD SCREW
 RLG RAILING
 RM ROOM
 RND ROUND
 RO ROUGH OPENING
 ROW RIGHT OF WAY
 RPW RIGID PROTECTIVE WALLCOVERING
 RS RESILIENT SHEET FLOORING
 RST RESILIENT TILE FLOORING
 RWC RAIN WATER CONDUCTOR
 RWF RESILIENT WOOD FLOOR
 RWL RAIN WATER LEADER

 S SOUTH
 S SHELF
 SA SUPPLY AIR
 SAC SUPPLY AIR GRILLE
 SALV SALVAGE
 SAN SANITARY
 SAT SATURATION
 SB SPLASH BLOCK
 SC SHOWER CURTAIN
 SC SOLID CORE
 SCD SEAT COVER DISPENSER
 SCHED SCHEDULE
 SD SOAP DISPENSER
 SD STORM DRAIN
 SD SUPPLY DIFFUSER
 SDS SIDE DIRECTIONAL SIGN
 SEC SECOND
 SECT SECTION
 SGL SINGLE
 SHT SHEET/SHEETING
 SHTH SHEATHING
 SHV SHELVES/SHELVING
 SHT SHEET
 SHTH SHEATHING
 SIM SIMILAR
 SLV SLEEVE
 SM SHEET METAL
 SMS SHEET METAL SCREW
 SNK SINK
 SP SPACING
 SPCL SPECIAL
 SPEC SPECIFICATION
 SPD SANITARY PRODUCTS DISPENSER
 SFRM SPRAYED FIRE RESISTIVE MATERIAL
 SPKR SPRINKLER
 SPKR SPEAKER
 SPFY SUPPLY
 SPW SANITARY PRODUCTS WASTE RECEPTACLE

ID	INSIDE DIAMETER
IF	INSIDE FACE
ILLUM	ILLUMINATION
INCAND	INCANDESCENT
INL	INLET
INSTL	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
IPS	INSIDE PIPE SIZE
ISO	INTERNATIONAL PIPE STANDARD
IS	ISOMETRIC
IWH	INSTANTANEOUS WATER HEATER
JAN	JANITOR
JB	JUNCTION BOX
JST	JOIST
JT	JOINT
KD	KILN DRIED
KO	KNOCK DOWN
KO	KNOCKOUT
KPL	KICKPLATE
L	LEFT
LAD	LADDER
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	LAG BOLT
LB	POUND
LDG	LANDING
LDR	LEADER
LF	LINEAR FOOT
LG	LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LHL	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW PRESSURE
LS	LUMP SUM
LT	LIGHT
LT WT	LIGHTWEIGHT
LTS	LIGHTING
LTS PNL	LIGHTING PANEL
LUB	LUBRICATE
LV	LOW VOLTAGE
LVL	LEVEL
LVR	LOUVER
LVR	LEVER
LWC	LIGHTWEIGHT CONCRETE
M	MIRROR
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAN	MANUAL
MARB	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MB	MACHINE BOLT
MB	MIXING BOX
MBF	THOUSAND BOARD FEET
MBD	MARKER BOARD
MC	MOMENT CONNECTION
MC	MACHINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAD
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFRG	MANUFACTURER
MH	MAN-HOLE
MI	MILE
MIR	MIRROR
MGL	MIRROR GLASS
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE
MON	MONUMENT
MPI	MILES PER HOUR
MR	MOP RACK
MS	MIRROR WITH SHELF
MTD	MOUNTED
MTG	MEETING
MTG	MOUNTING
MTR	METER
MTR	MORTAR
MULL	MULLION
MULT	MULTIPLE
#	NUMBER
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NCF	NON-REINFORCED CONCRETE PIPE
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NRC	NOISE REDUCTION COEFFICIENT
NST	NATURAL STONE TILE
NTS	NOT TO SCALE
OUT	OUT TO OUT
OA	OUTSIDE AIR
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OUTSIDE DIMENSION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OPPOSITE HAND
OHD	OVERHEAD
OHWS	OVAL HEAD WOOD SCREW
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
OVFL	OVERFLOW
OZ	OUNCE
P	PENNY
PAR	PARALLEL
PB	PANIC BAR
PB	PARTICLEBOARD
PC	PIECE

DW DISHWASHER
DWG DRAWING
DWL DOWEL
DWR DRAWER
DWV DRAIN WASTE & VENT

E EAST
EA EACH
(E) EXISTING
(EC) ELASTOMERIC COATING
ECON ECONOMIZER
ECU EVAPORATIVE COOLING UNIT
EF EACH FACE
EH ELECTRIC HAND DRYER
EJ EXPANSION JOINT
EL ELEVATION
ELAST ELASTOMERIC
ELEC ELECTRICAL
ELEV ELEVATOR
EMER EMERGENCY
ENAM ENAMEL
ENCL ENCLOSURE
ENGR ENGINEER
ENTR ENTRANCE
EP ELECTRICAL PANEL
EOP EDGE OF PAVEMENT
EPDM ETHYLENE PROPYLENE DIENE MONOMER
EQ EQUAL
EQ SP EQUALLY SPACED
EQUIP EQUIPMENT
ES EACH SIDE
EST ESTIMATE
ESMT EACH WAY
EW EACH WAY
EWC ELECTRIC WATER COOLER
EXH EXHAUST
EXIST EXISTING
EXIST GR EXISTING GRADE
EXP EXPANSION
EXP JT EXPANSION JOINT
EXT EXTERIOR

FA FACE TO FACE
FF FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
FC FORTCANDLE
FCO FLOOR CLEANOUT
FCU FAN COIL UNIT
FD FIRE DAMPER
FD FLOOR DRAIN
FDC FIRE DEPARTMENT CONNECTION
FDN FOUNDATION
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FEM FEMALE
FGL FIREGLASS
FHC FIRE HOSE CABINET
FHS FLAT HEAD MACHINE SCREW
FHS FLAT HEAD WOOD SCREW
FH FIRE HYDRANT
FIN FINISH
FIXT FIXTURE
FF FINISH FLOOR
FG FINISH GRADE
FL FLASHING
FL FLOW LINE
FLR FLOOR/FLOORING
FLR FIN FLOOR FINISH
FLU FLUORESCENT
FOC FACE OF CONCRETE
FOF FACE OF FINISH
FOM FACE OF MASONRY
FOS FACE OF STUD
FPM FEET PER MINUTE
FREQ FREQUENCY
FS FLOOR SINK
FSPR FIRE SPRINKLER
FSS FOLDING SHOWER SEAT
FSTNR FASTENER
FT FOOT
FTG FITTING
FTG FOOTING
FURR FURRING
FURN FURNITURE
FUT FUTURE
PWC FABRIC WALL COVERING

G GAS
GA GAGE/GAUGE
GAL GALLON
GALV GALVANIZED
GB GRAB BAR
GI GALVANIZED IRON
GL GLASS
GLU LAM GLUE LAMINATED
GLBM GLUE LAMINATED BEAM
GZ GROUND
GMU GLASS MASONRY UNIT
GND GROUNDING
GOVT GOVERNMENT
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GR GRASS/GRADING
GRC GRAPITTI RESISTANT COATING
GR BM GRADE BEAM
GR LN GRADE LINE
GRTG GRATING
GRV GROUND ROOF VENTILATOR
GSTL GALVANIZED STEEL
GV GRAVITY VENT
GVL GRAVEL
GVR GAS VENT THROUGH ROOF
GYP GYPSUM BOARD
GSD GYPSUM BOARD

H HIGH
H PLAM HIGH PRESSURE LAMINATE
HB HOSE BEAM
HC HOLLOW CORE
HC HOSE CABINET
HD HEAD
HOBDD HEADBOARD
HDR HEADROD
HDWL HEADWALL
HDWR HARDWARE
HGR HANGER
HGT HEIGHT
HHWS HEX HEAD WOOD SCREW
HM HOLLOW METAL
HO HOLD-OPEN
HORIZ HORIZONTAL
HP HIGH POINT
HR HOUR
HS HIGH STRENGTH
HSB HIGH-STRENGTH BOLT
HTG HEATING
HTR HEATER
HYV HEAVY
HVAC HEATING, VENTILATION, & AIR CONDITIONING
HW HOT WATER
HYD HYDRANT

AND	
ANGLE	
ANT	
AB	ANCHOR BOLT
ABAN	ABANDON
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AC	AIR CONDITIONING
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
AC PVG	ASPHALT CONCRETE PAVING
ACP	ACCOUSTICAL PANEL
ACT	ACOUSTICAL TILE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGER	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMT	AMOUNT
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
ASD	AUTOMATIC SPRINKLER DRAIN
ASPH	ASPHALT
ASSY	ASSEMBLY
AV	AUDIO VISUAL
AWP	ACOUSTICAL WALL PANEL
BAL	BALANCE
BBD	BULLET BOARD
BBRG	BALL BEARING
BC	BACK OF CURB
BD	BOARD
BG	BUMPER GUARD
BETW	BETWEEN
BEV	BEVEL
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLVND	BULKHEAD
BLW	BELOW
BM	BEAM
BMU	BENCH MARK
BM	BRICK MASONRY UNIT
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRG	BEARING
BRS	BRASS
BRZ	BRONZE
BSMNT	BASEMENT
BUR	BUILT-UP ROOF
C	CENTERLINE
C&G	CURB AND GUTTER
C&G	CENTER TO CENTER
CAB	CABINET
CB	CORNER BEAD
CB	CATCHBASIN
CBD	CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
COW	COUNTED CLOCKWISE
CEM	CEMENT
CER	CERAMIC
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CF	CLEAR FINISH COATING
CG	CLEAR FINISH COATING - EXTERIOR
CG	CORNER GUARD
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLG REG	CEILING REGISTER
CLO	CLOSET
CLR	CLEAR
CMU	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMPL	COMPLETE
CONC	CONCRETE
CONC FL	CONCRETE FLOOR
COND	CONDENSER/CONDENSATE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
COTG	CLEAN OUT TO GRADE
COV	COVER
COV PL	COVER PLATE
CP	CONCRETE PAVING
CP	CONTROL PANEL
CPT	CARPET
CPVC	CHLORINATED POLYVINYL CHLORIDE
CR	CROSS
CR	COAT RACK/COAT RACK
CRSTL	COLD ROLLED STEEL
CS	CHANGING STATION
CSK	COUNTERSINK
CSMNT	CASEMENT
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CU YD	CUBIC YARD
CW	COLD WATER
CYL	CYLINDER
DAT	DATUM
DBL ACT	DOUBLE ACTING
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIAG	DIAGONAL
DIAM	DIAMETER
DIFF	DIFFERENCE
DIFF	DIFFUSER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISP	DISPENSER
DIV	DIVISION
DLS	DEAD LOAD
DN	DOWN
DN	DITTO
DR	DOOR
DRN	DRAIN
DS	DIRECTIONAL SIGN
DS	DOWNSPOUT
DUP	DUPPLICATE

NTD
ARCHITECTURE

2940 North Swan Road, Suite 214
Tucson, Arizona 85712
520/784.0975

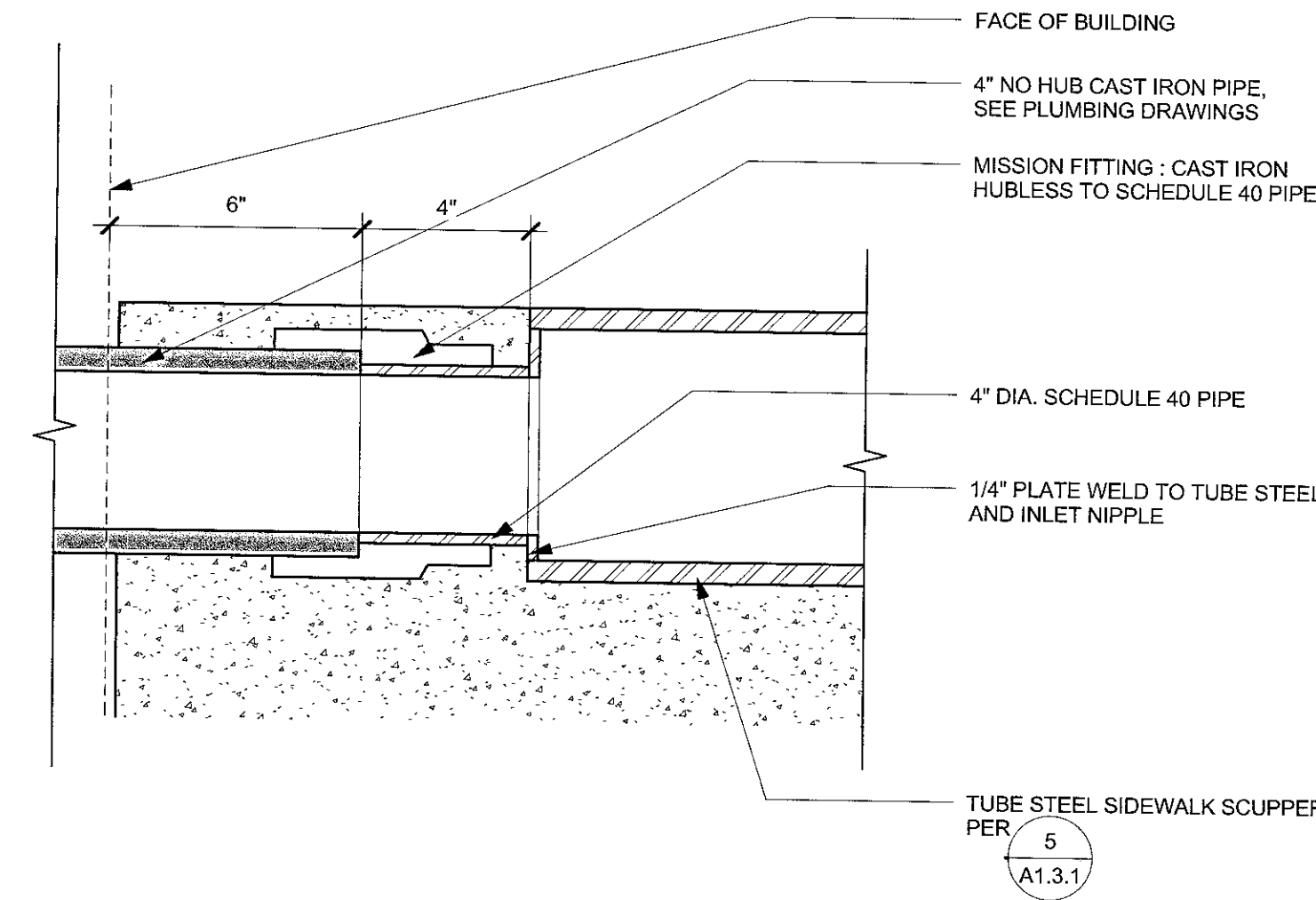
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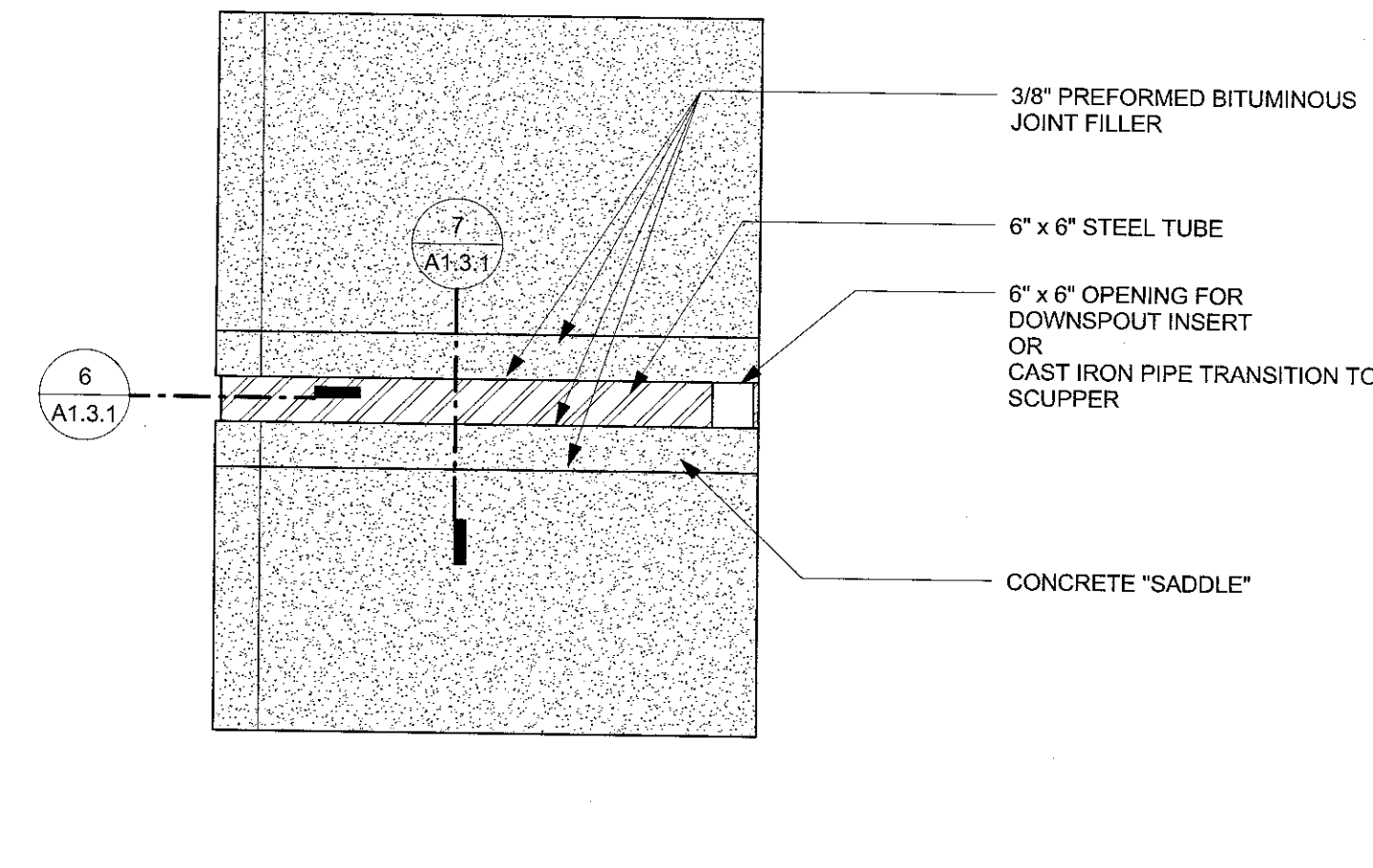
SYMBOLS / ABBREVIATIONS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	© DATE
			Checker	04/08/11
			DRAWING NO.	

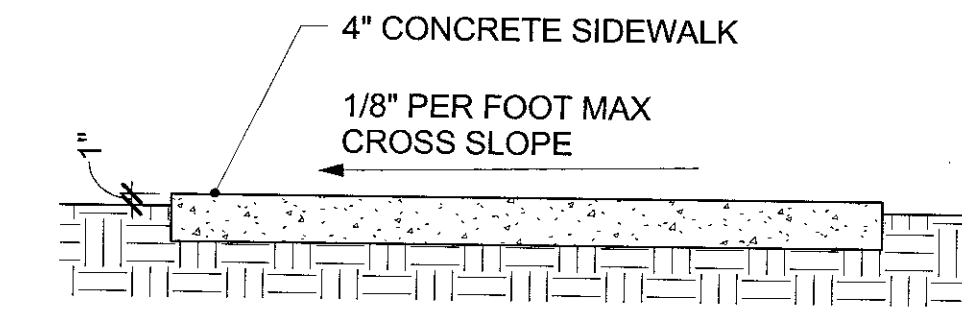
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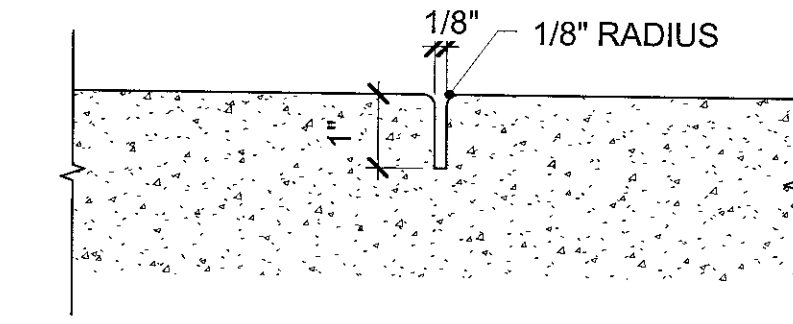
9 SI AREA DRAIN TO SIDEWALK SCUPPER
3" = 1'-0"



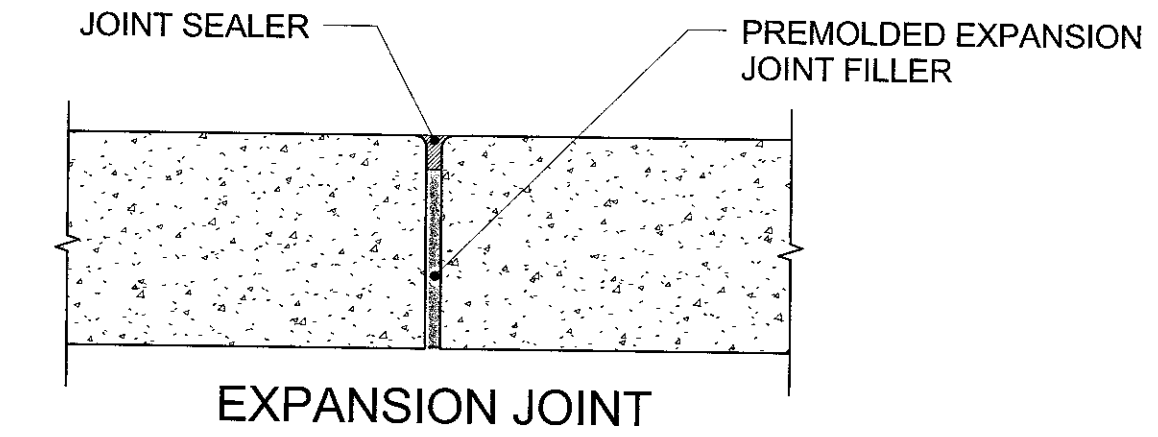
5 TYP. THRU SIDEWALK SCUPPER DETAIL
1/2" = 1'-0"



CONCRETE WALK SECTION

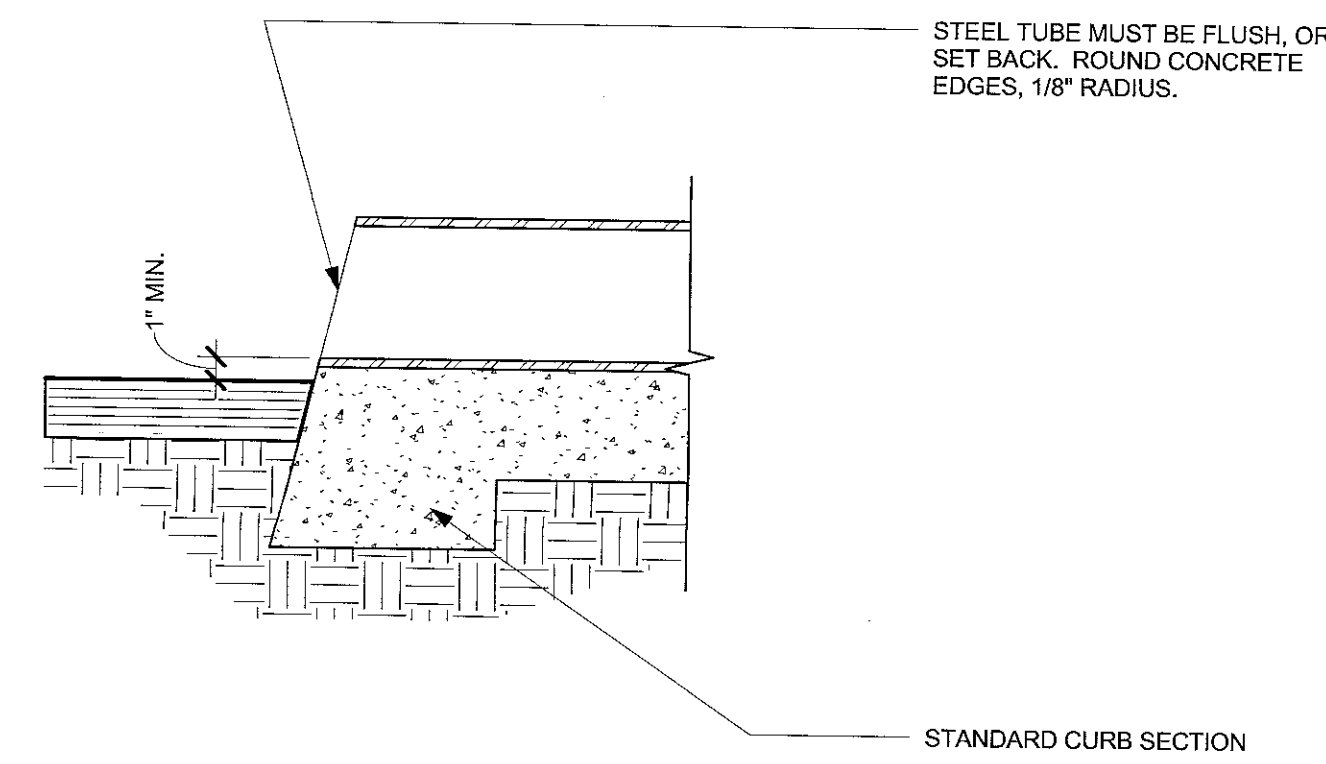


CONTRACTION JOINT

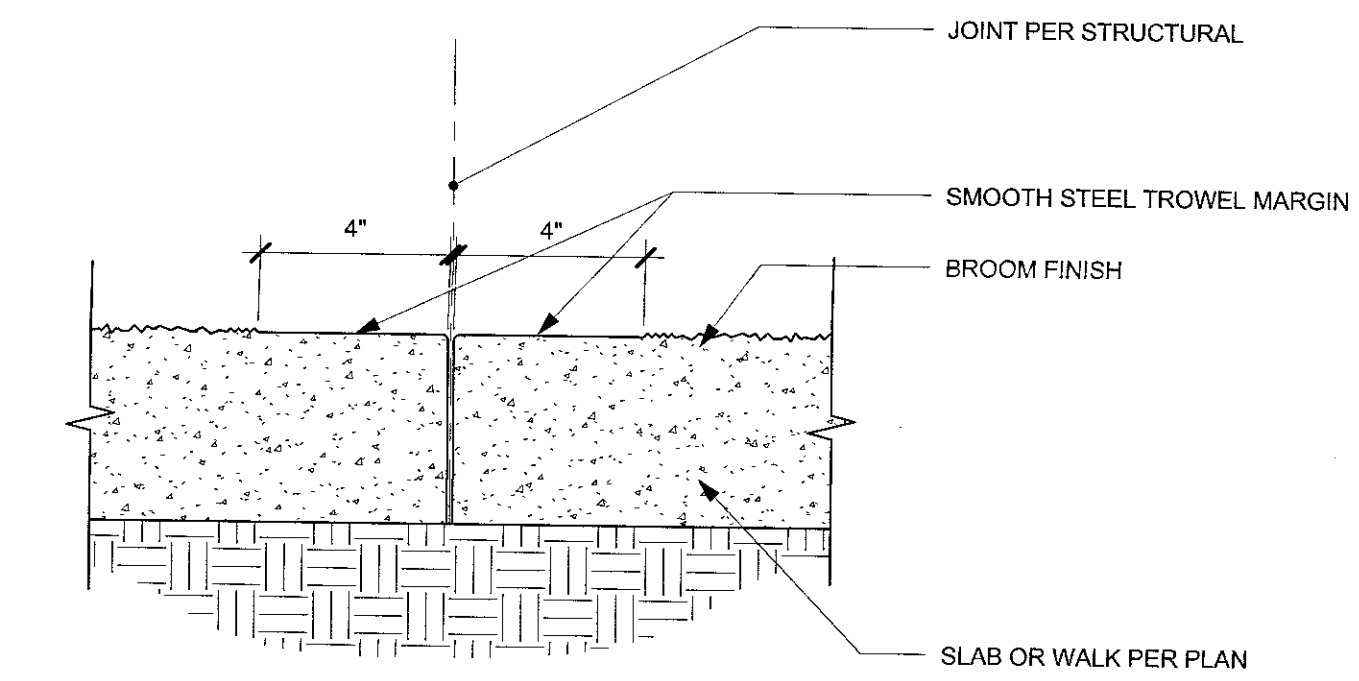


EXPANSION JOINT

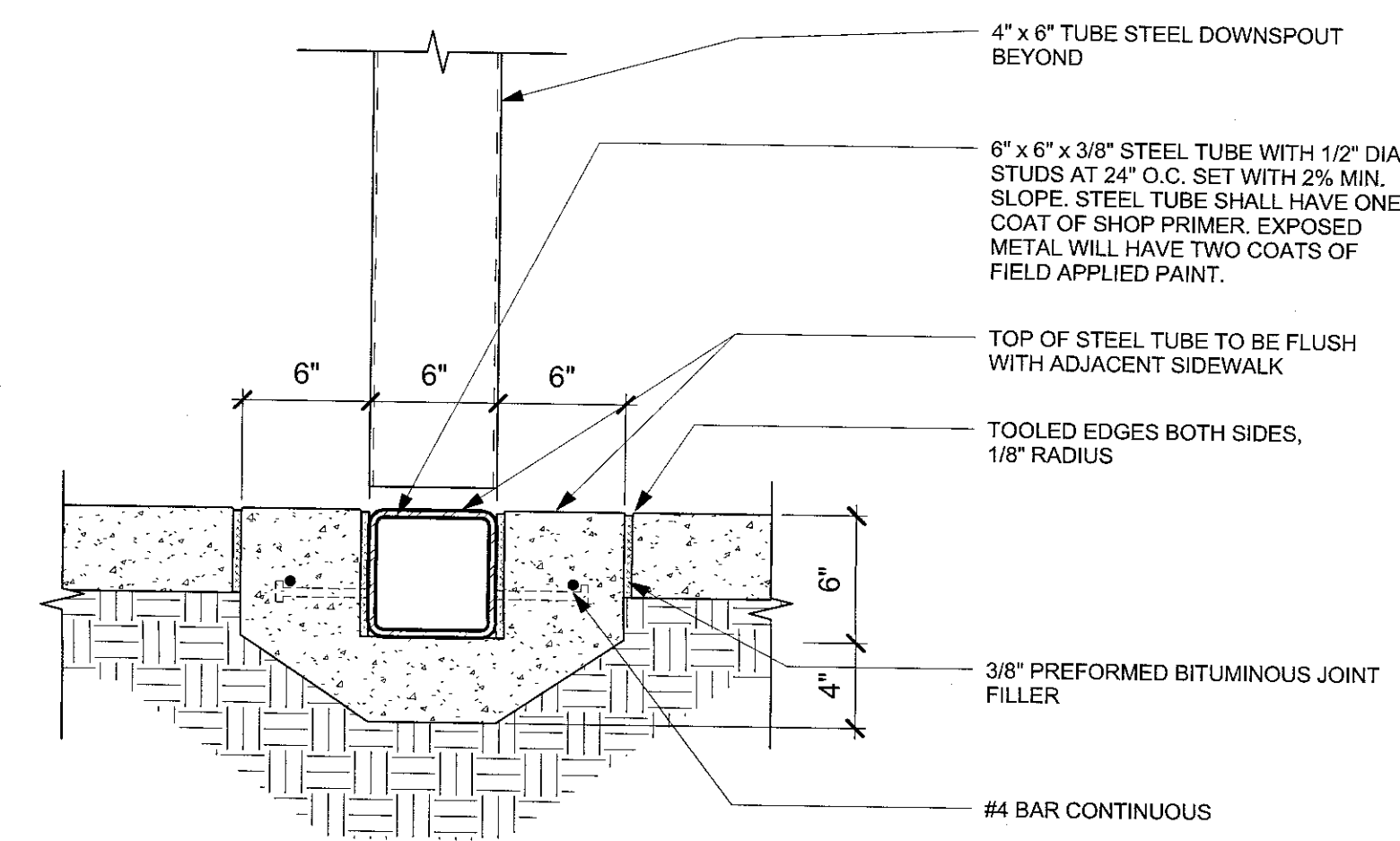
1 TYP. CONCRETE WALK DETAILS
3/4" = 1'-0"



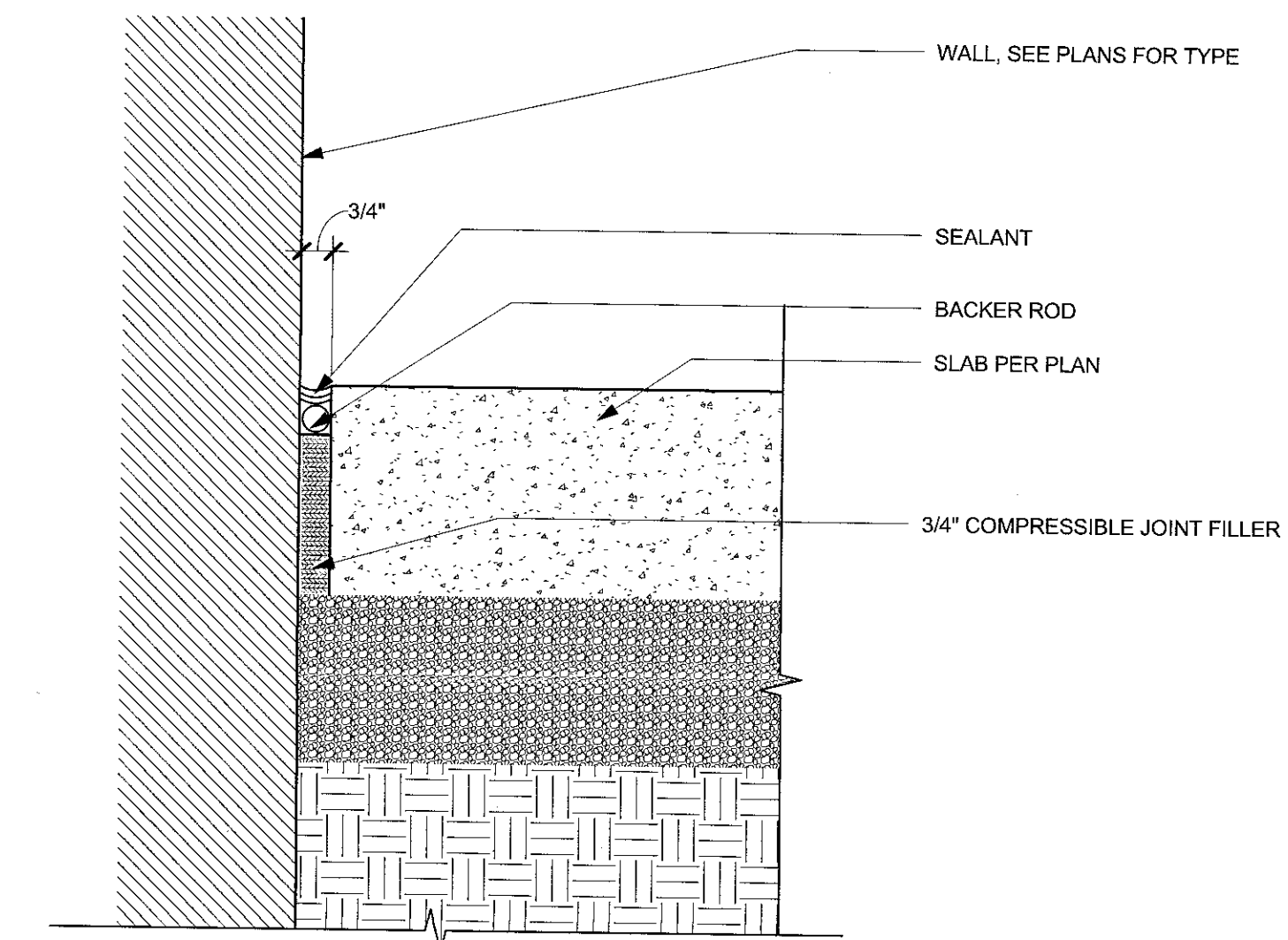
6 SI CURB SCUPPER SECTION A
1 1/2" = 1'-0"



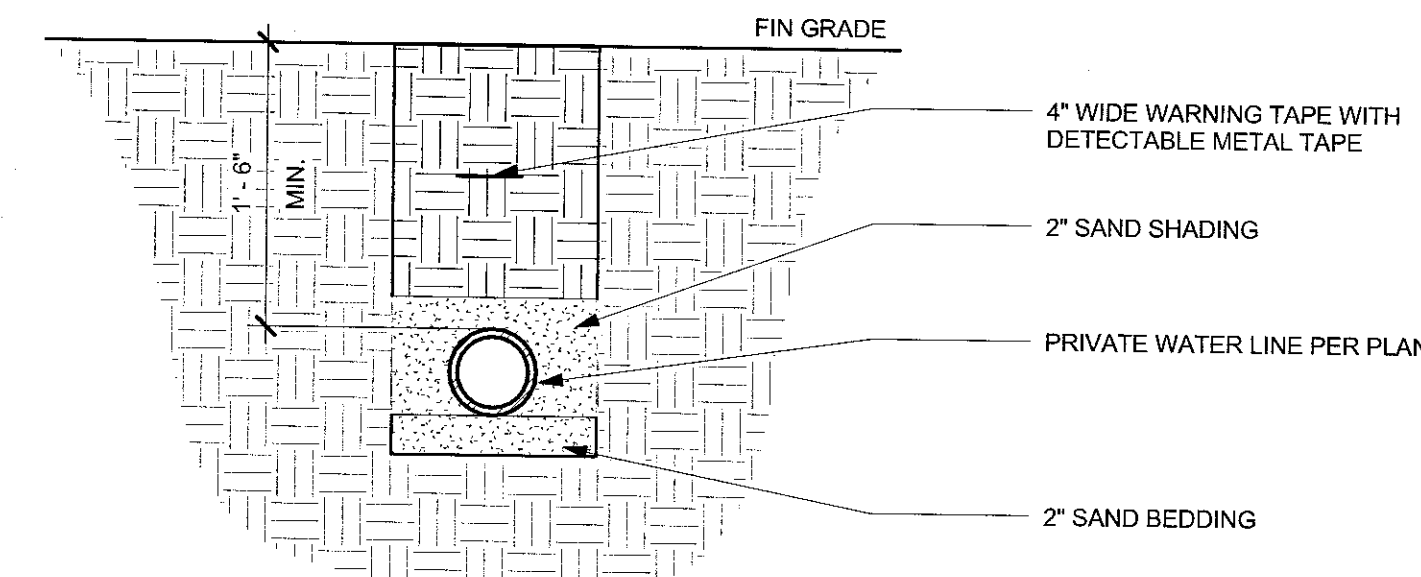
2 TYP. TROWELLED MARGIN AT EXTERIOR FLATWORK
3" = 1'-0"



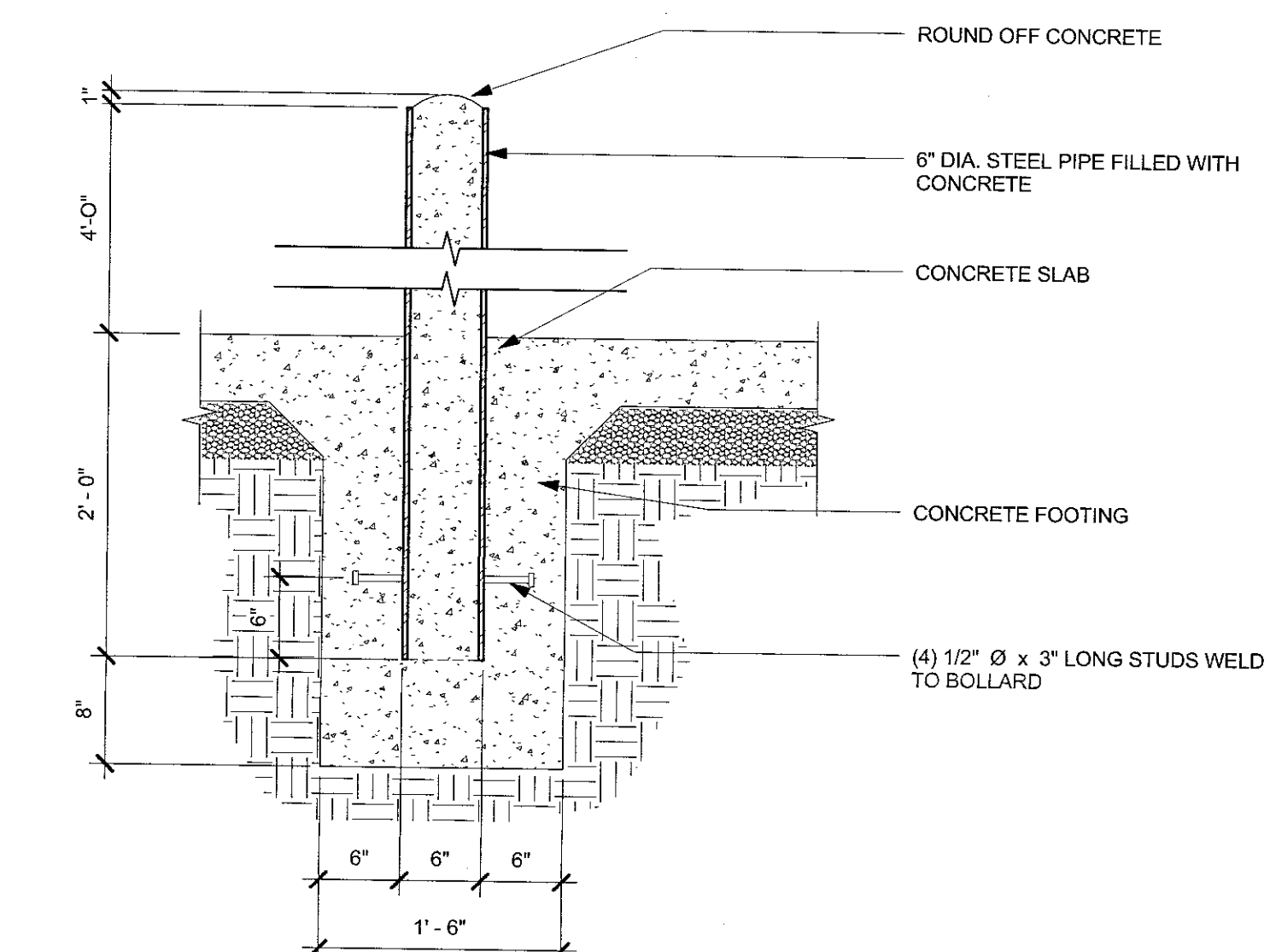
7 SI CURB SCUPPER SECTION B
1 1/2" = 1'-0"



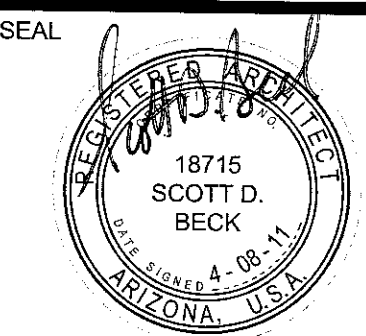
3 TYP. SLAB AT CMU OR CONCRETE WALL
3" = 1'-0"



8 SI TRENCH DETAIL
1" = 1'-0"



4 TYP. PIPE BOLLARD DETAIL
1" = 1'-0"



EXPIRES 03-31-2014

PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

SITE DETAILS

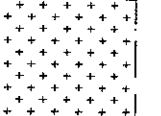
NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
CP				2010-0318-00
CHECKED BY			DATE	
STAFF			04/08/11	
DRAWING NO.				

A1.3.1

KEYNOTES

- 2.04 (E) CONCRETE DRIVEWAY/APPROACH
- 2.11 (E) GREASE TRAP COVER, EXTEND TRAP ACCESS THROUGH NEW DOCK
- 2.12 (E) CLEANOUT COVER, EXTEND CLEANOUT ACCESS THROUGH NEW DOCK
- 2.13 (E) SEWER MANHOLE COVER
- 2.14 (E) DILUTION BASIN COVER
- A.01 REMOVE CONCRETE PAVING
- A.03 SAWCUT AND REMOVE CONCRETE CURB
- A.04 SAWCUT AND REMOVE CONCRETE WEDGE CURB
- A.05 SAWCUT AND REMOVE CONCRETE SIDEWALK WHERE INDICATED
- A.09 FREEZER TO BE REMOVED PRIOR TO CONSTRUCTION, IF FREEZER IN PLACE AT START OF CONSTRUCTION, REMOVE AND VERIFY WITH OWNER WHETHER TO SALVAGE TO OWNER OR DISPOSE OF
- A.11 EXISTING WEDGE CURB TO REMAIN
- A.21 REMOVE AND RELOCATE SITE FURNITURE
- A.26 EXISTING BOLLARD TO BE REMOVED
- B.01 REMOVE (E) CONCRETE SLAB, DOCK WALL AND BUMPERS WHERE NEW BUILDING OCCURS
- B.02 REMOVE (E) DOCK BUMPERS, TYP.
- B.03 REMOVE (E) BOLLARD
- B.04 REMOVE (E) CONCRETE SLAB AND REMOVE TOP 12" OF DOCK WALL AT NEW DOCK LOCATION
- B.07 REMOVE (E) HANDRAILS, (E) STAIR TO REMAIN
- B.08 REMOVE RAMP, CURB AND HAND RAILING
- C.05 REMOVE EXISTING SITE WALL
- C.09 REMOVE SOLID MASONRY CAP AT TOP OF WALL
- C.13 REMOVE (E) CHAIN LINK FENCING AND GATE
- C.15 REMOVE EXISTING SITE WALL AND FOOTINGS
- C.16 REMOVE (E) WALL, FOOTING AND WALL DOWELS TO REMAIN UNDAMAGED
- D.01 EXISTING LAY-IN CEILING TO REMAIN
- D.02 EXISTING EXPOSED JOISTS TO REMAIN
- E.01 REMOVE EXISTING CANOPY AND SUPPORTING STRUCTURE
- E.05 REMOVE STEEL FRAMING, METAL DECK, LIGHTING, ROOF STRUCTURE AND CANOPY
- F.01 REMOVE (E) DOOR, DOOR FRAME, THRESHOLD, HARDWARE CUT NEW OPENING FOR NEW DOOR - SEE DOOR SCHEDULE FOR DOOR SIZE
- F.04 REMOVE (E) STEEL JAMB
- F.05 REMOVE (E) OVERHEAD DOOR, JAMB AND HARDWARE. SAVE FOR RE-USE IN SCENERY SHOP.
- F.06 REMOVE (E) DOOR AND DOOR HARDWARE, (E) FRAME AND TRANSOM GLASS TO REMAIN
- G.01 REMOVE (E) WINDOW AND WINDOW FRAME, PATCH OPENING, FINISH TO MATCH ADJACENT
- K.03 REMOVE EXISTING CABINET DURING CONSTRUCTION-REINSTALL AT COMPLETION OF CONSTRUCTION
- M.02 REMOVE EXISTING AIR CURTAIN, SAVE FOR RE-INSTALLATION IN THIS PROJECT
- M.03 REMOVE HVAC DEVICE, REFER TO MECHANICAL DRAWINGS
- N.01 REMOVE LIGHT FIXTURES, SEE ELECTRICAL
- N.02 EXISTING LIGHT FIXTURES TO REMAIN

LEGEND

-  ASPHALTIC CONCRETE PAVING TO BE REMOVED
-  CONCRETE PAVING TO BE REMOVED

DEMOLITION PLAN GENERAL NOTES

1. REFER TO SHEET A0.0.2 FOR DEFINITIONS OF SYMBOLS AND MARKS SHOWN ON THE DRAWINGS. SYMBOLS AND MARKS SHOWN DASHED INDICATE THAT THE ITEM(S) SHALL BE REMOVED.
2. DIMENSIONS ARE TO FINISHED FACE OF WALL, DOOR/WINDOW OPENING, AND COLUMN CENTERLINE, UNLESS NOTED OTHERWISE. FIELD VERIFY ALL EXISTING DIMENSIONS.
3. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF WORK, REMOVAL OF FIXTURES, EQUIPMENT, AND DEVICES, AND RELATED WORK.
4. ALL EXISTING ELECTRICAL RECEPTACLES, TELEPHONE/DATA OUTLETS, LIGHT SWITCHES, THERMOSTATS, DEVICES, AND OTHER WALL-MOUNTED ITEMS LOCATED IN WALLS TO BE REMOVED SHALL ALSO BE REMOVED, UNLESS NOTED OTHERWISE. COORDINATE THE REMOVAL OF THESE ITEMS WITH THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
5. ALL EXISTING SPEAKERS, SMOKE DETECTORS, FIRE ALARM DEVICES, EXIT SIGNS, COMMUNICATIONS DEVICES, MECHANICAL AIR GRILLES, AND OTHER RELATED CEILING-MOUNTED DEVICES LOCATED IN CEILINGS TO BE REMOVED SHALL ALSO BE REMOVED, UNLESS NOTED OTHERWISE. COORDINATE THE REMOVAL OF THESE ITEMS WITH THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
6. MAINTAIN ALL EXISTING FIRE SPRINKLER AND FIRE ALARM SYSTEMS DURING DEMOLITION AND CONSTRUCTION. COORDINATE ANY SHUT-DOWNS AND REQUIRED FIRE WATCH WITH THE OWNER.
7. PRIOR TO DEMOLITION WORK, COORDINATE WITH THE OWNER TO DETERMINE THE EXTENT AND STORAGE OF ITEMS TO BE SALVAGED AND/OR REUSED FROM ALL OF THE ITEMS TO BE REMOVED.

SEAL



EXPIRES 03-31-2014

PROJECT

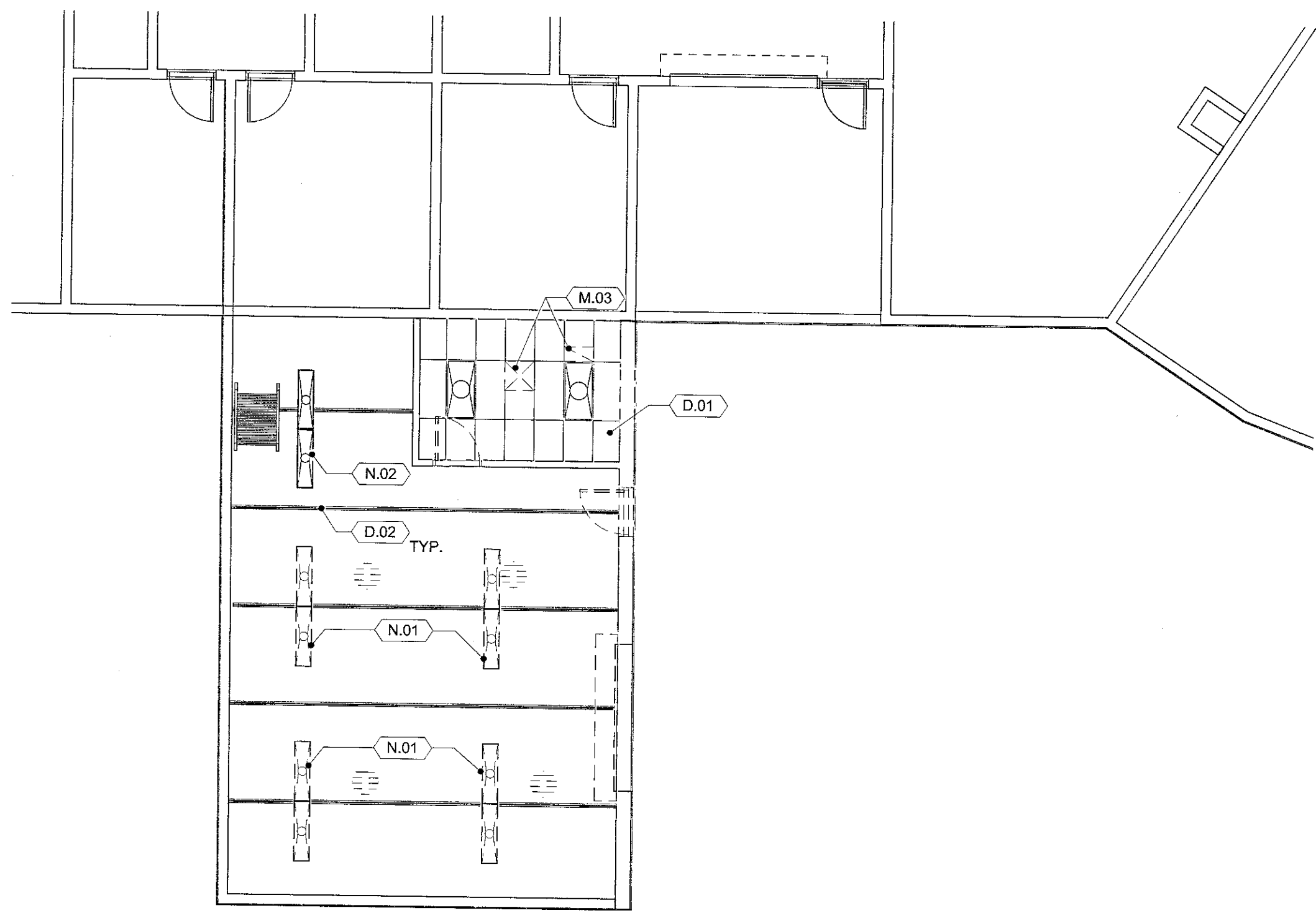
CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

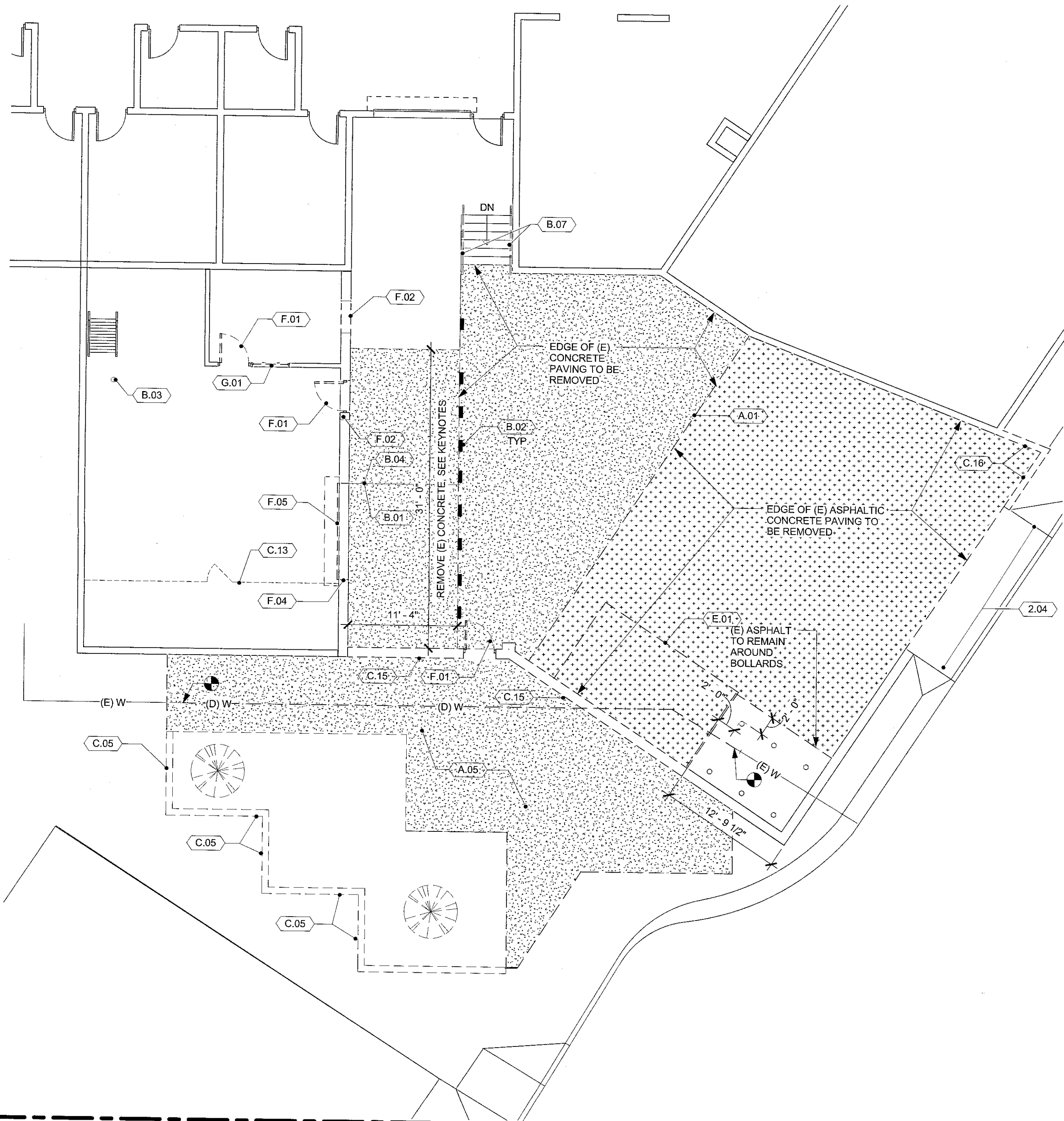
DEMOLITION
FLOOR PLAN & RCP -
DEMOLITION

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			LC	2010-0318-00
			CHECKED BY	DATE
			STAFF	04/08/11
			DRAWING NO.	

A2.0.0

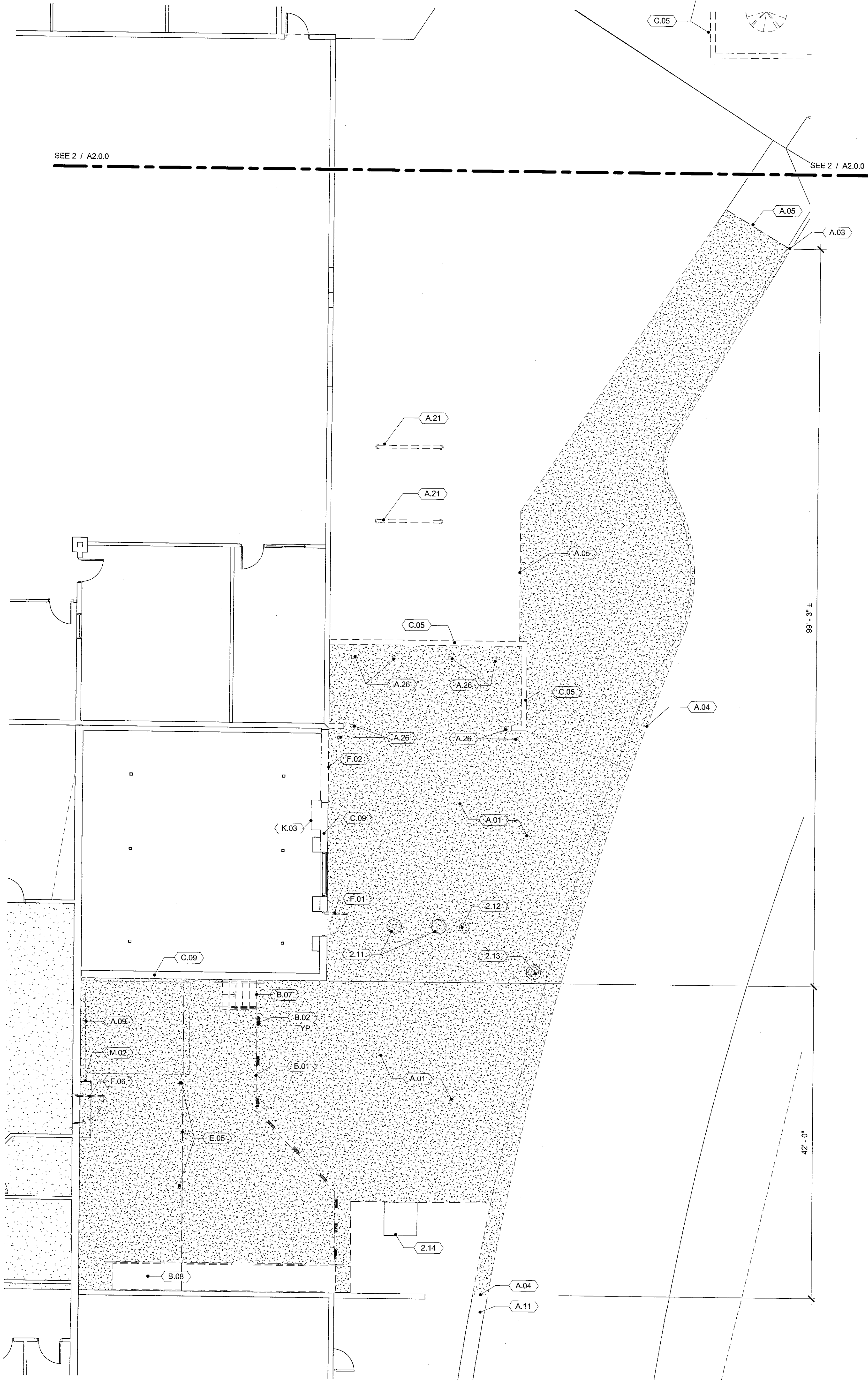


3 RCP - DEMOLITION - A
1/8" = 1'-0"



SEE 1 / A2.0.0

2 FLOOR PLAN-DEMOLITION-A
1/8" = 1'-0"

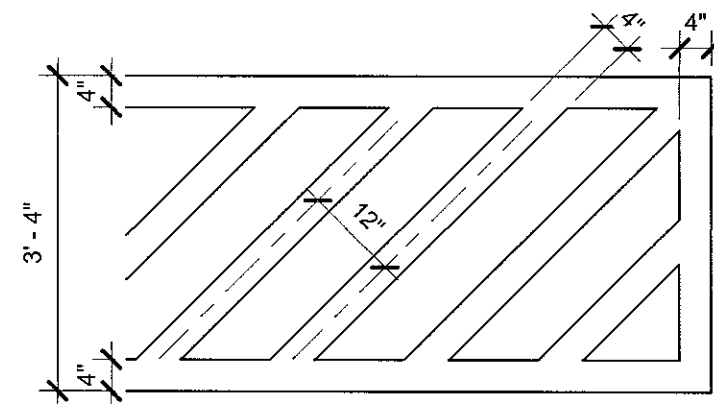


SEE 2 / A2.0.0

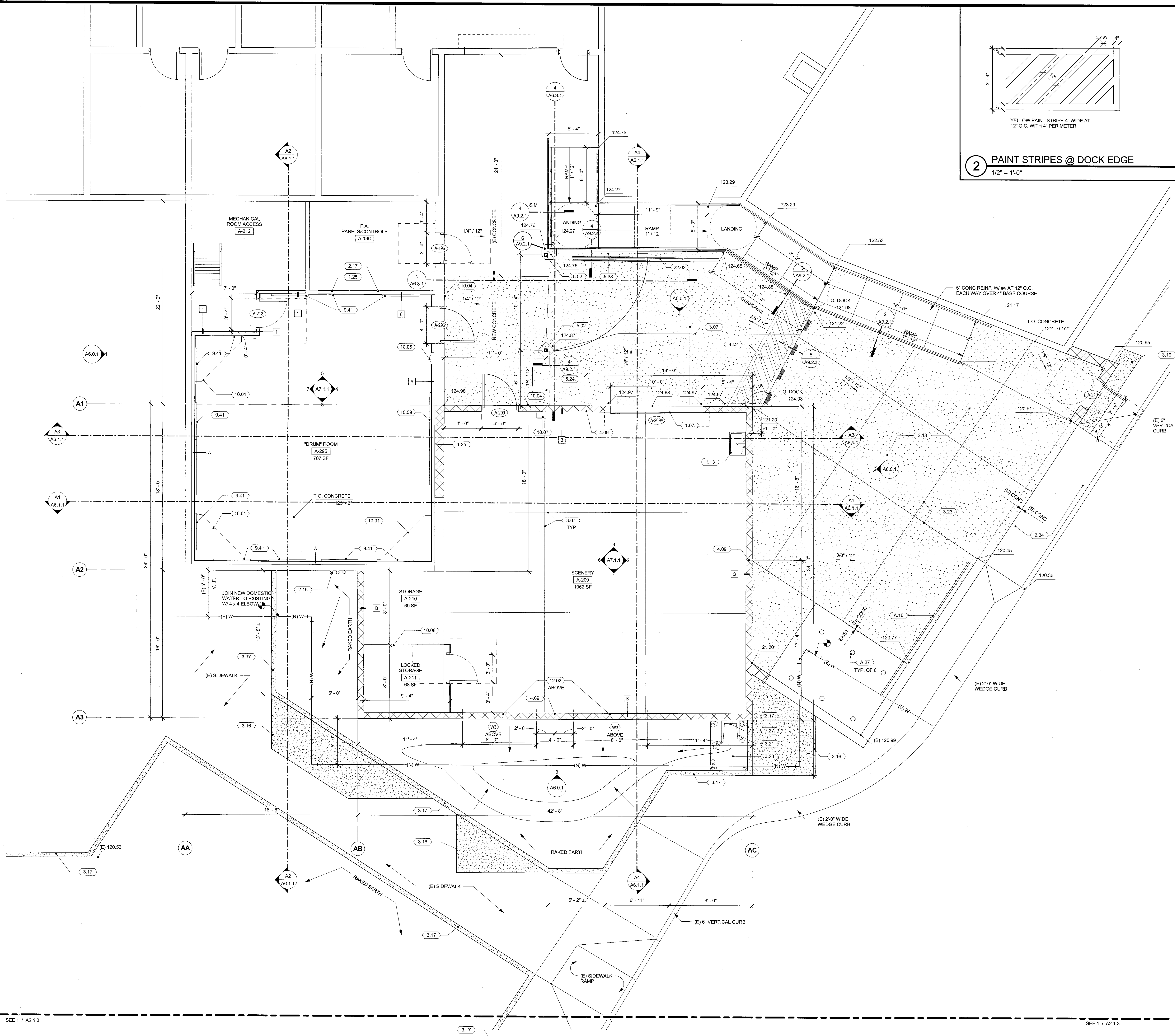
SEE 2 / A2.0.0

1 FLOOR PLAN-DEMOLITION-B
1/8" = 1'-0"

- 1.07 SEE DOOR SCHEDULE FOR DOOR & FRAME INFORMATION
- 1.13 SEE PLUMBING DRAWINGS
- 1.25 PATCH OPENING TO MATCH ADJACENT CONSTRUCTION
- 2.04 (E) CONCRETE DRIVEWAY/APPROACH
- 2.15 (E) CONDUIT TO REMAIN, PROTECT DURING CONSTRUCTION
- 2.17 EXTEND (E) WALL ABOVE NEW CEILING
- 3.07 CONTRACTION JOINT, SEE STRUCTURAL
- 3.16 CONCRETE SIDEWALK/PAVEMENT
- 3.17 CONCRETE 6" VERTICAL CURB
- 3.18 6" CONCRETE SLAB REINF. W/ #6 AT 10" O.C. EACH WAY, OVER 4" BASE COURSE
- 3.19 REMOVE AND REPLACE CONCRETE AS REQUIRED TO CONSTRUCT NEW WALL FOOTINGS
- 3.20 RIP RAP SET IN CONCRETE
- 3.21 PRE-CAST CONCRETE SPLASH BLOCK
- 3.23 CONTRACTION JOINT, TYPICAL
- 4.09 MASONRY CONTROL JOINT 04 22 00
- 5.02 STEEL COLUMN, SEE STRUCTURAL - 05 12 00
- 5.24 ARCHITECTURAL RAILING - 05 80 00
- 5.38 STEEL GATE - 05 50 00
- 7.27 METAL DOWNSPOUT - 07 60 00
- 9.41 SOUND ABSORBING WALL PANEL 09 94 00
- 9.42 PAINT AS INDICATED WITH SAFETY YELLOW COLOR
- 10.01 BASE TRAP
- 10.04 ROOM IDENTIFICATION SIGNAGE (RS-1) - 10 14 00
- 10.05 FIRE EXTINGUISHER CABINET - 10 44 16
- 10.07 FIRE EXTINGUISHER BRACKET - 10 44 16
- 10.08 WIRE MESH PARTITION 10 22 13
- 10.09 SMART BOARD (OFOI)
- 12.02 ROLLER SHADERS - 12 24 00
- 22.02 PRESLOPED TRENCH DRAIN AND COVER, SEE PLUMBING
- A.10 EXISTING GATE, TRACK AND POSTS TO REMAIN
- A.27 EXISTING BOLLARD TO REMAIN, TYP.



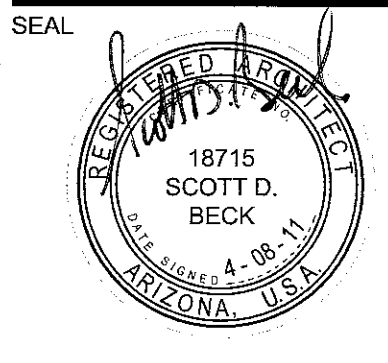
2 PAINT STRIPES @ DOCK EDGE
1/2" = 1'-0"



WALL LEGEND

XX	WALL TYPES PER SHEET A9.0.1
---	NON-RATED PARTITION
---	1 HOUR RATED PARTITION
---	2 HOUR RATED PARTITION

- GENERAL NOTES
1. BUILDING A - FINISH FLOOR IS 125'-0"
 2. BUILDING B - FINISH FLOOR IS 122'-0"
 3. DOOR FRAMES LOCATED NEAR ADJACENT WALLS OR CASEWORK TO BE 4" FROM INSIDE CORNER, OR TO NEAREST BLOCK MODULE AT CMU WALLS, U.N.O.
 4. COORDINATE AND CONFIRM EXACT LOCATIONS OF ALL FLOOR MOUNTED OUTLETS PRIOR TO CONCRETE PLACEMENT, SEE ELECT.
 5. FOR TYPICAL WALL FRAMING DETAILS, SEE SHEET A9.0.1



EXPIRES 03-31-2014

PROJECT **CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION**

DRAWING TITLE **NEW CONSTRUCTION**

FLOOR PLAN - AREA A

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			LC/CP	2010-0318-00
			CHECKED BY	@ DATE
			STAFF	04/08/11
			DRAWING NO.	

A2.1.1

1 AREA A - NEW CONSTRUCTION
1/4" = 1'-0"

KEYNOTES

- 1.13 SEE PLUMBING DRAWINGS
- 1.25 PATCH OPENING TO MATCH ADJACENT CONSTRUCTION
- 2.11 (E) GREASE TRAP COVER, EXTEND TRAP ACCESS THROUGH NEW DOCK
- 2.12 (E) CLEANOUT COVER, EXTEND CLEANOUT ACCESS THROUGH NEW DOCK
- 2.13 (E) SEWER MANHOLE COVER
- 2.14 (E) DILUTION BASIN COVER
- 3.12 CAST-IN-PLACE CONCRETE CURB
- 3.19 REMOVE AND REPLACE CONCRETE AS REQUIRED TO CONSTRUCT NEW WALL FOOTINGS
- 3.23 CONTRACTION JOINT, TYPICAL
- 4.09 MASONRY CONTROL JOINT 04 22 00
- 5.02 STEEL COLUMN, SEE STRUCTURAL - 05 12 00
- 7.27 METAL DOWNSPOUT - 07 60 00
- 8.29 AUTO DOOR OPENER - 08 81 00
- 9.40 PAINT COLUMN TO MATCH ADJACENT WALLS 09 91 00
- 10.02 CORNER GUARD - 10 26 13
- 10.03 EXIT IDENTIFICATION SIGNAGE (RS-2) - 10 14 00
- 10.04 ROOM IDENTIFICATION SIGNAGE (RS-1) - 10 14 00
- 10.05 FIRE EXTINGUISHER CABINET - 10 44 16
- 12.02 ROLLER SHADES - 12 24 00
- 22.01 TRAP PRIMER AND ACCESS PANEL, SEE PLUMBING
- 22.04 FLOOR DRAIN, SEE PLUMBING
- 23.01 EXISTING MECHANICAL LOUVER TO REMAIN
- B.11 EXISTING SLAB TO REMAIN
- K.03 REMOVE EXISTING CABINET DURING CONSTRUCTION-REINSTALL AT COMPLETION OF CONSTRUCTION

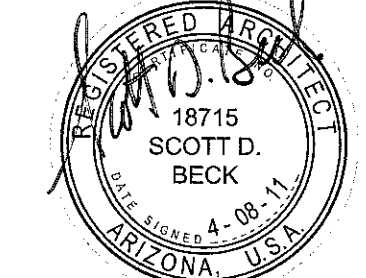
WALL LEGEND

- WALL TYPES PER SHEET A9.0.1
- NON-RATED PARTITION
 - 1 HOUR RATED PARTITION
 - 2 HOUR RATED PARTITION

GENERAL NOTES

1. BUILDING A - FINISH FLOOR IS 125'-0"
2. BUILDING B - FINISH FLOOR IS 122'-0"
3. DOOR FRAMES LOCATED NEAR ADJACENT WALLS OR CASEWORK TO BE 4" FROM INSIDE CORNER, OR TO NEAREST BLOCK MODULE AT CURB WALLS, U.N.O.
4. COORDINATE AND CONFIRM EXACT LOCATIONS OF ALL FLOOR MOUNTED OUTLETS PRIOR TO CONCRETE PLACEMENT, SEE ELEC.
5. FOR TYPICAL WALL FRAMING DETAILS, SEE SHEET A9.0.1

SEAL



PROJECT CFSD HIGH SCHOOL

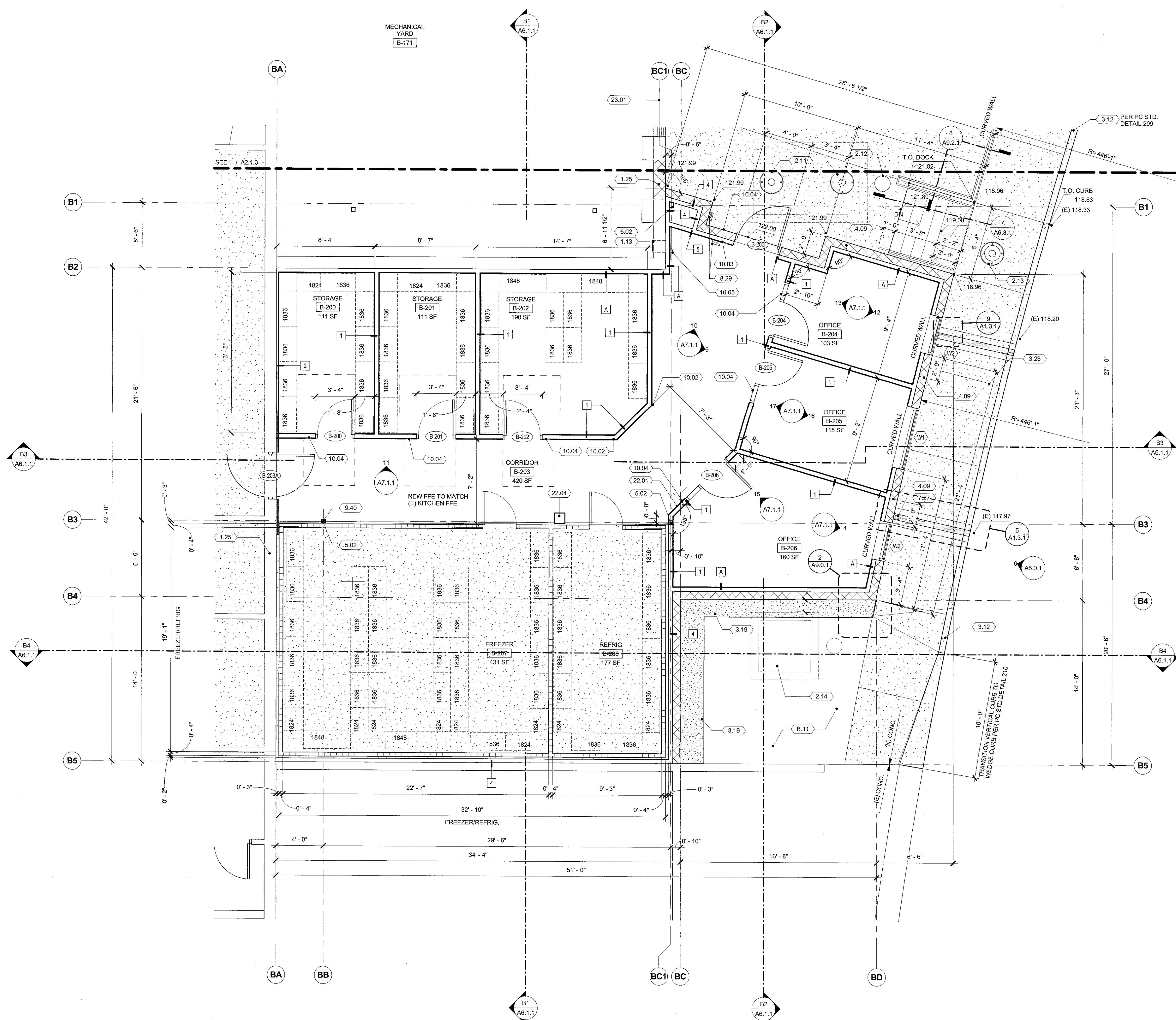
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE NEW CONSTRUCTION

FLOOR PLAN - AREA B

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1			LC	2010-0318-00
			Checked by	DATE
			04/08/11	
			DRAWING NO.	

A2.1.2



1 AREA B - NEW CONSTRUCTION
1/4" = 1'-0"

1.1/3 SEE PLUMBING DRAWINGS
1.1/6 ITEM OR WORK SHOWN FOR INFORMATION ONLY. NOT INCLUDED IN CONTRACT (N/C)
1.2/5 PARTIAL WALL, 1/2" THICK, ADJACENT CONSTRUCTION
2.1/1 (E) GREASE TRAP COVER, EXTEND TRAP ACCESS THROUGH NEW DOCK
2.1/2 (E) CLEANOUT COVER, EXTEND CLEANOUT ACCESS THROUGH NEW DOCK
2.1/3 (E) SEWER MANHOLE COVER
3.0/7 CAST-IN-PLACE CONCRETE CURB
3.1/2 CAST-IN-PLACE CONCRETE CURB
3.1/6 CONCRETE SIDEWALK/PAVEMENT
3.1/7 CONCRETE 6" VERTICAL CURB
3.1/8 CONCRETE SLAB REIN. W/ #6 AT 10" O.C. EACH WAY, OVER 4" BASE COURSE
3.2/2 PRE-CAST CONCRETE WHEELSTOP
3.2/3 PRE-CAST CONCRETE JUMP, TYPICAL
4.0/9 MASONRY CONTROL JUMP AT D2 220
5.0/2 STEEL COLUMN, SEE STRUCTURAL, -05 12 00
5.2/2 ARCHITECTURAL, HANDRAIL, -05 50 00
5.3/2 ARCHITECTURAL GUARDRAIL, -05 50 00
5.3/7 PIPE BOLLARD - 05 00 00
8.2/9 AUTO DOOR OPENER - 08 01 00
9.4/3 6" WIDE PARKING STRIP
10.0/3 IDENTIFICATION SIGNAGE (RS-2) to 10-14 00
10.0/4 ROOM IDENTIFICATION SIGNAGE (RS-1) to 10-14 00
10.0/8 FIRE EXTINGUISHER CABINET - 10-04 16
10.0/8 DOOR SUMMER - 11-13 18
23.0/1 EXISTING MECHANICAL VOLUME TO REMAIN
N/C/0 REMOVE EXISTING CABINET DURING CONSTRUCTION-REINSTATE
N/C/0 COME FROM EXISTING CABINET

WALL TYPES PER SHEET A9.0.1

NON-RATED PARTITION

1 HOUR RATED PARTITION

2 HOUR RATED PARTITION

1. BUILDING A - FINISH FLOOR IS 125'-0"
2. BUILDING B - FINISH FLOOR IS 122'-0"
3. DOOR FRAMES LOCATED NEAR ADJACENT WALLS OR CASEWORK TO BE SET FROM INSIDE CORNER, OR TO NEAREST BLOCK MODULE AT CMU WALLS, U.N.O.
4. COORDINATE AND CONFIRM EXACT LOCATIONS OF ALL FLOOR MOUNTED OUTLETS PRIOR TO CONCRETE PLACEMENT, SEE ELEC.
5. FOR TYPICAL WALL FRAMING DETAILS, SEE SHEET A9.0.1



EXPIRES 03-31-2014

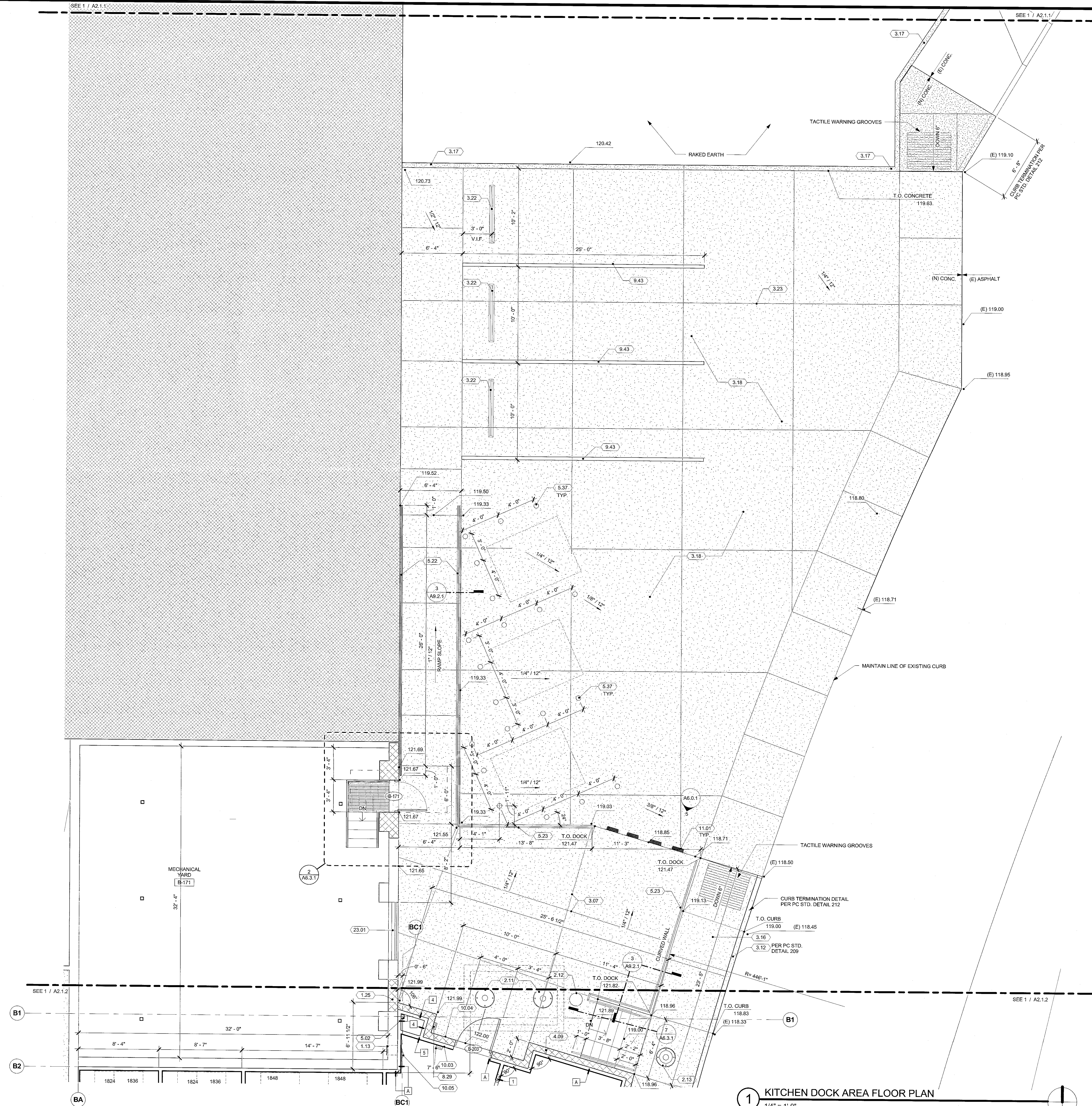
PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

FLOOR PLAN - KITCHEN
DOCK

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	@ DATE
			Checker	04/08/11
			DRAWING NO.	

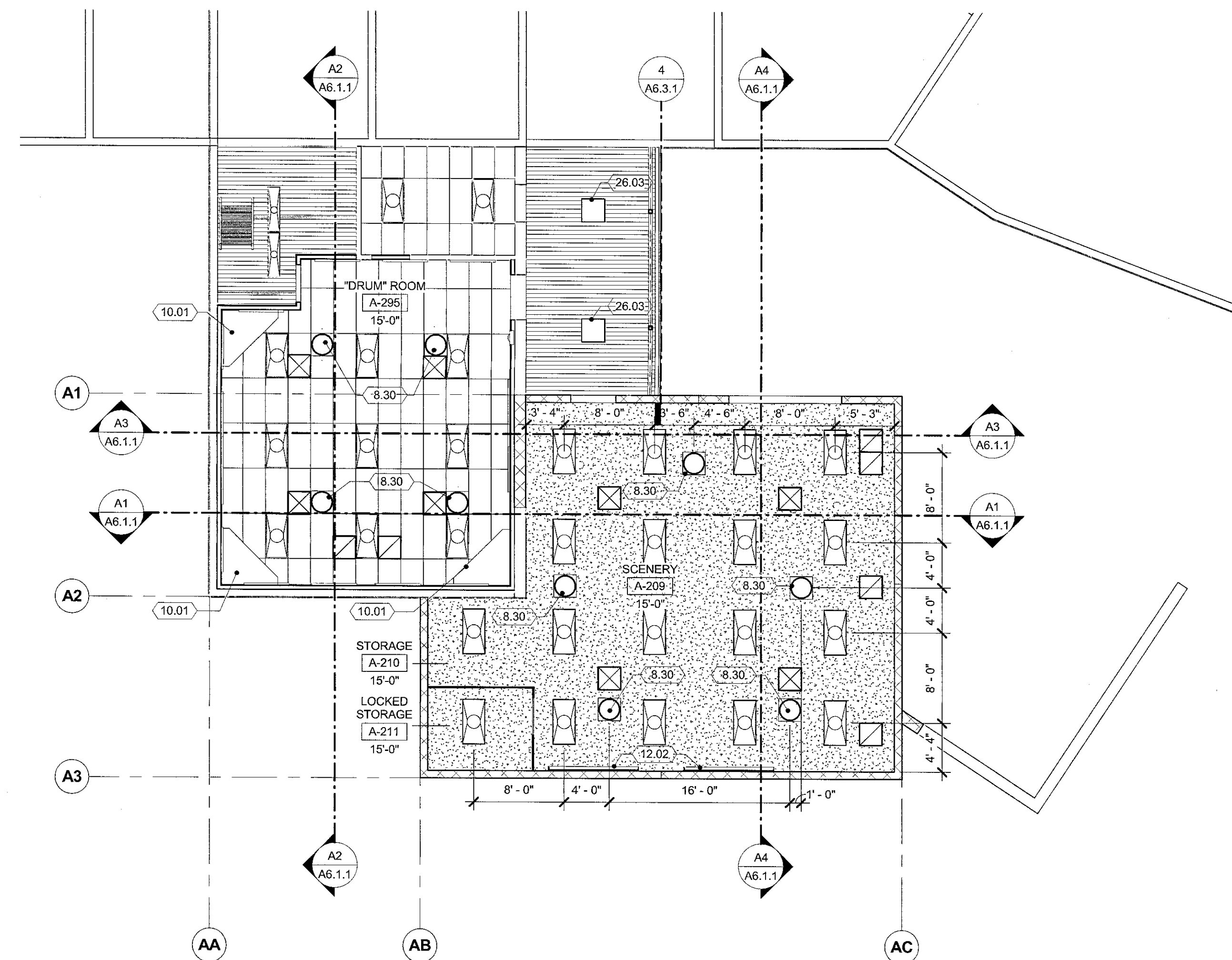
A2.1.3



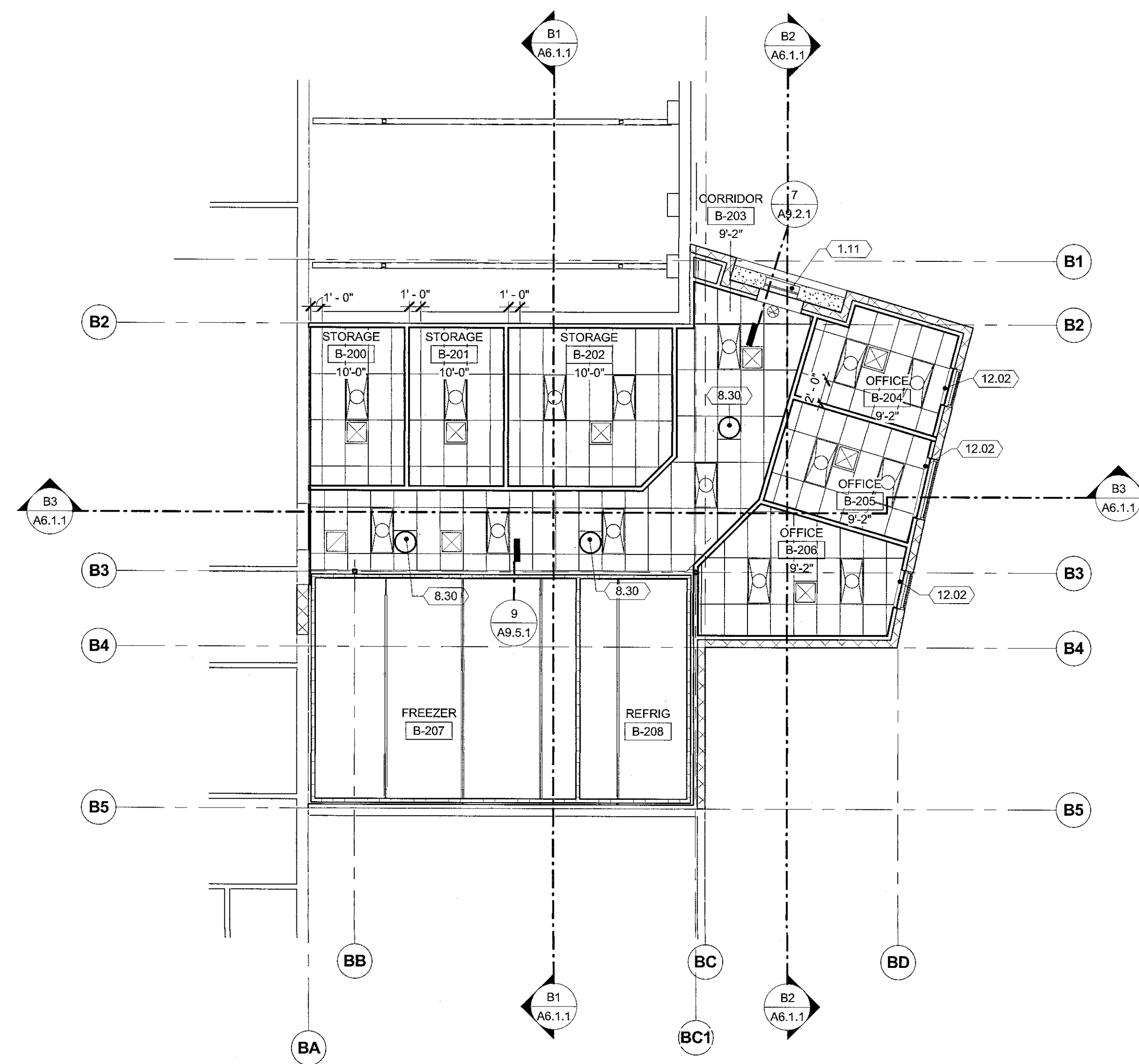
1 KITCHEN DOCK AREA FLOOR PLAN
1/4" = 1'-0"

KEYNOTES

1.11	SEE MECHANICAL DRAWINGS
8.30	TUBULAR SKYLIGHT - 06 02 01
10.01	BASE TRAP
12.02	ROLLER SHADES - 12 24 00
26.01	HIGH LEVEL EXIT SIGN
26.03	LIGHT FIXTURE



2 REFLECTED CEILING PLAN - A
1/8" = 1'-0"



1 REFLECTED CEILING PLAN - B
1/8" = 1'-0"

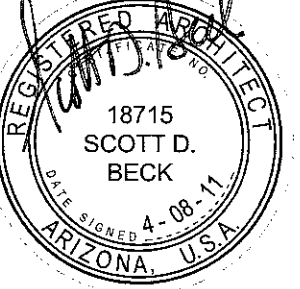
LEGEND

	EXPOSED METAL DECK, SEE STRUCT.
	2'-0" x 4'-0" SUSPENDED ACOUSTICAL GRID PANELS PER ROOM FINISH SCHEDULE
	GYPSUM BOARD PER FINISH SCHEDULE
	CEMENT PLASTER
	+ X'-X" HEIGHT OF CEILING / SOFFIT
	LIGHT FIXTURES SEE ELECTRICAL DRAWINGS
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	EXHAUST AIR DIFFUSER

GENERAL NOTES

1. CENTER SUSPENDED CEILING GRIDS EACH WAY WITHIN SPACE, UNLESS NOTED OTHERWISE
2. CENTER MECHANICAL AIR GRILLES BETWEEN LIGHTS / WALLS IN GYPSUM BOARD CEILINGS AS SHOWN
3. CENTER LIGHT FIXTURES WITHIN SPACES UNLESS NOTED OTHERWISE
4. FOR ALL LOCATIONS OF N.I.C. LCD PROJECTORS, INSTALL OVERHEAD MOUNTED EQUIPMENT SUPPORT PER ELECTRICAL DRAWINGS.
5. FOR TYPICAL CEILING NOTES AND DETAILS, SEE SHEET A9.5.1

SEAL



EXPIRES 03-31-2014

PROJECT

CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

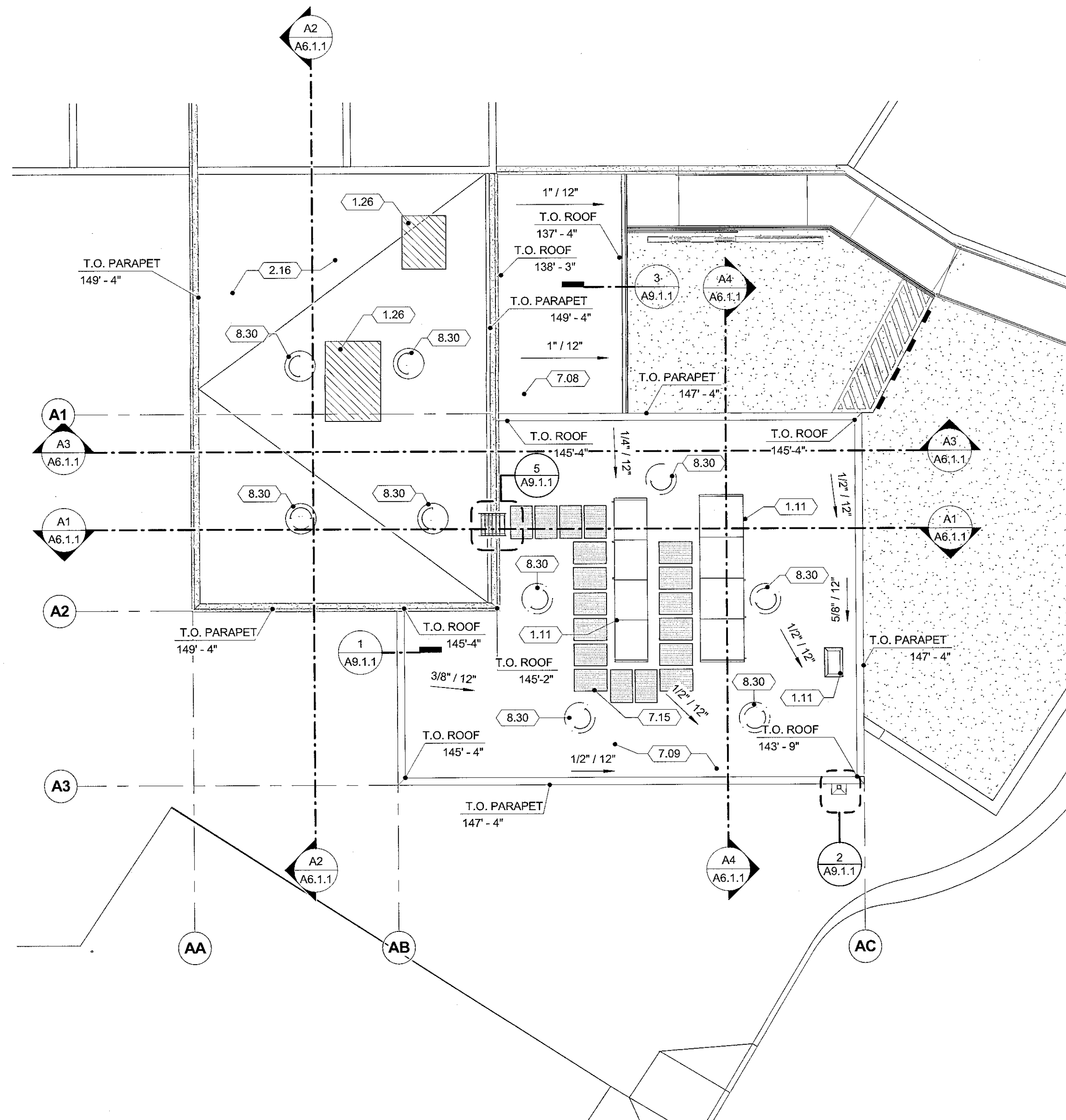
REFLECTED CEILING PLAN

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
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			Checked by	DATE
			Checker	04/08/11
			DRAWING NO.	

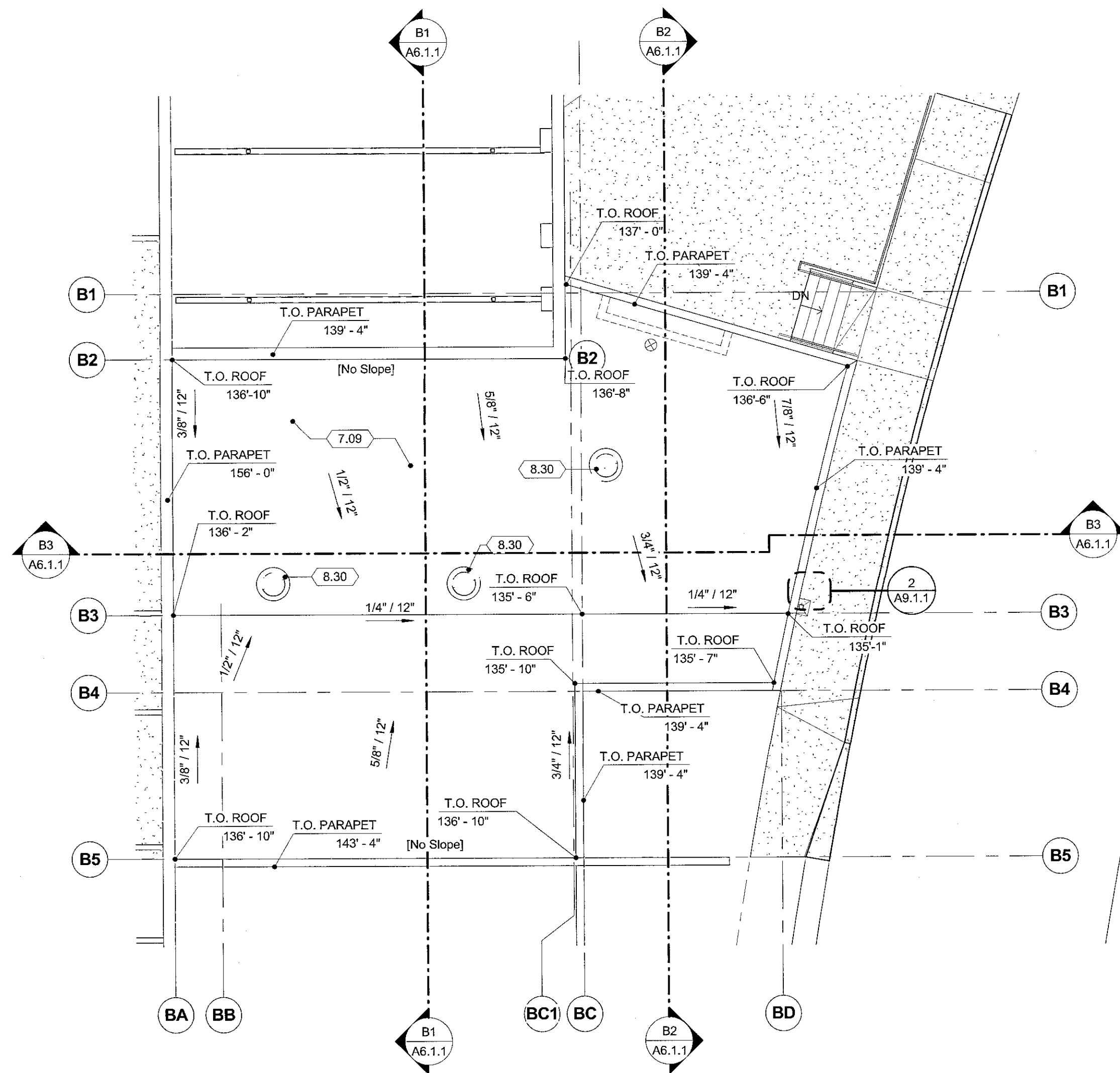
A4.1.1

KEYNOTES

- 1.11 SEE MECHANICAL DRAWINGS
- 1.26 PATCH EXISTING OPENING AND RE-ROOF TO MAINTAIN ROOFING WARRANTY
- 2.16 (E) ROOFING TO REMAIN
- 7.08 MODIFIED BITUMEN ROOF - HOT APPLICATION - 07 52 10
- 7.09 MODIFIED BITUMEN ROOF/INSULATION SYSTEM HOT APPLICATION - 07 52 10
- 7.15 ROOF TRAFFIC PAD - BY ROOFING SYSTEM 07 52 11
- 8.30 TUBULAR SKYLIGHT - 08 62 01



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



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

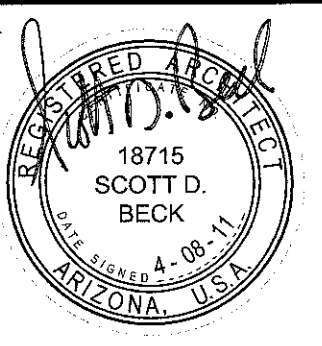
LEGEND



GENERAL NOTES

- 1. FOR TYPICAL ROOF PENETRATIONS, SEE SHEET 9.1.1

SEAL



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PROJECT CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

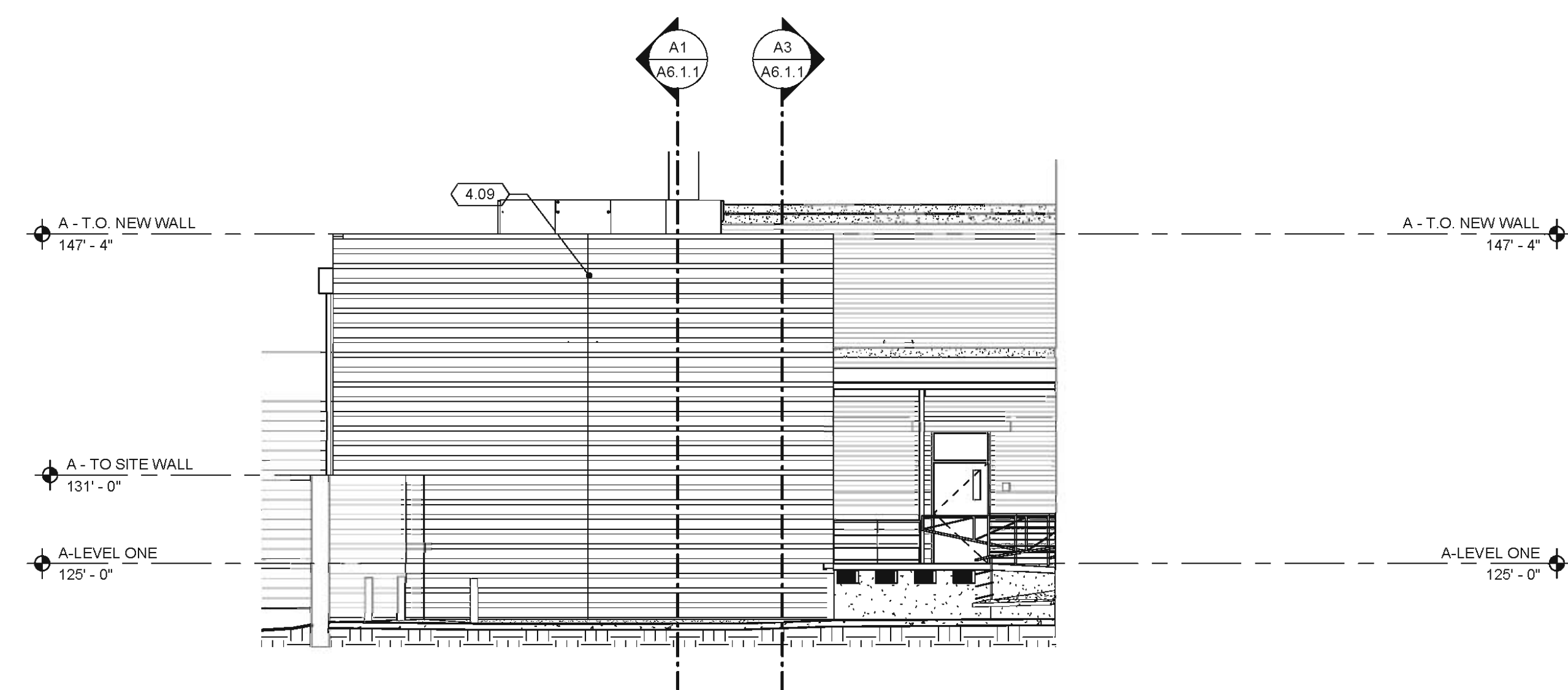
ROOF PLAN

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			CP	2010-0318-00
			CHECKED BY	DATE
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			DRAWING NO.	

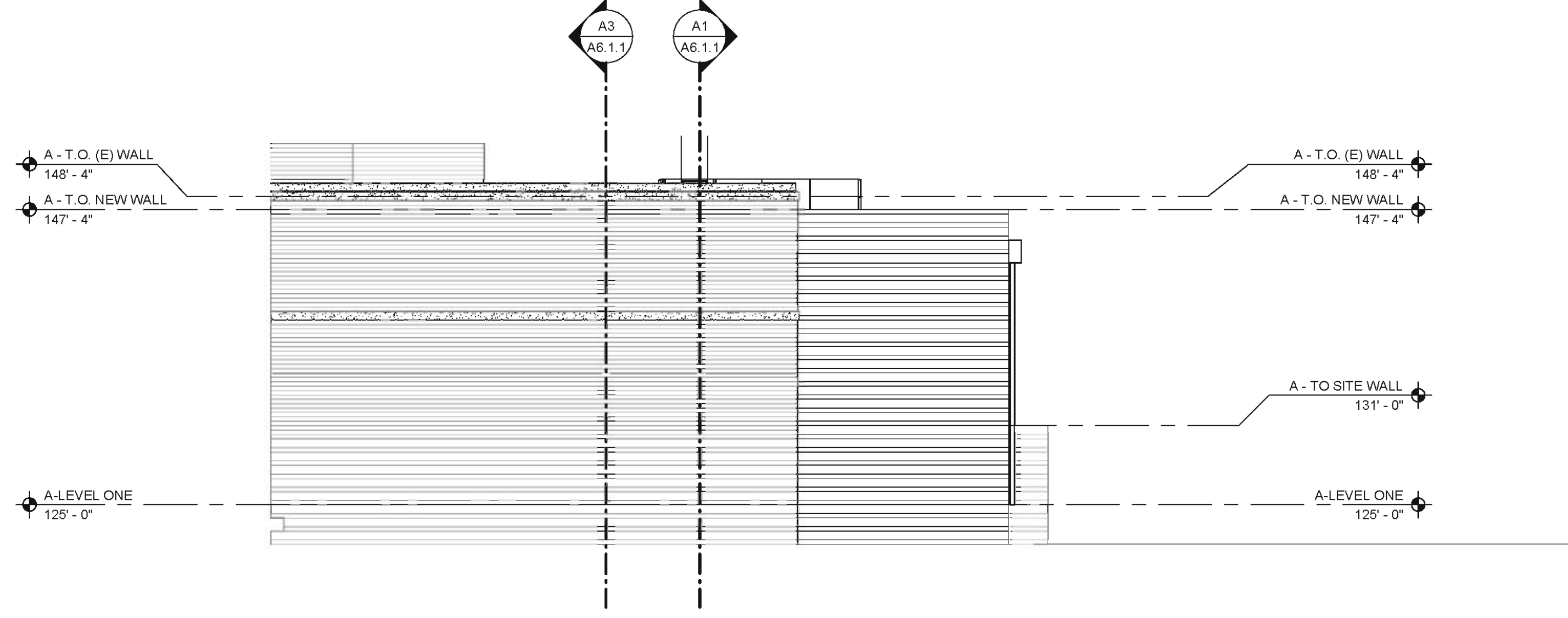
A5.0.1

KEYNOTES

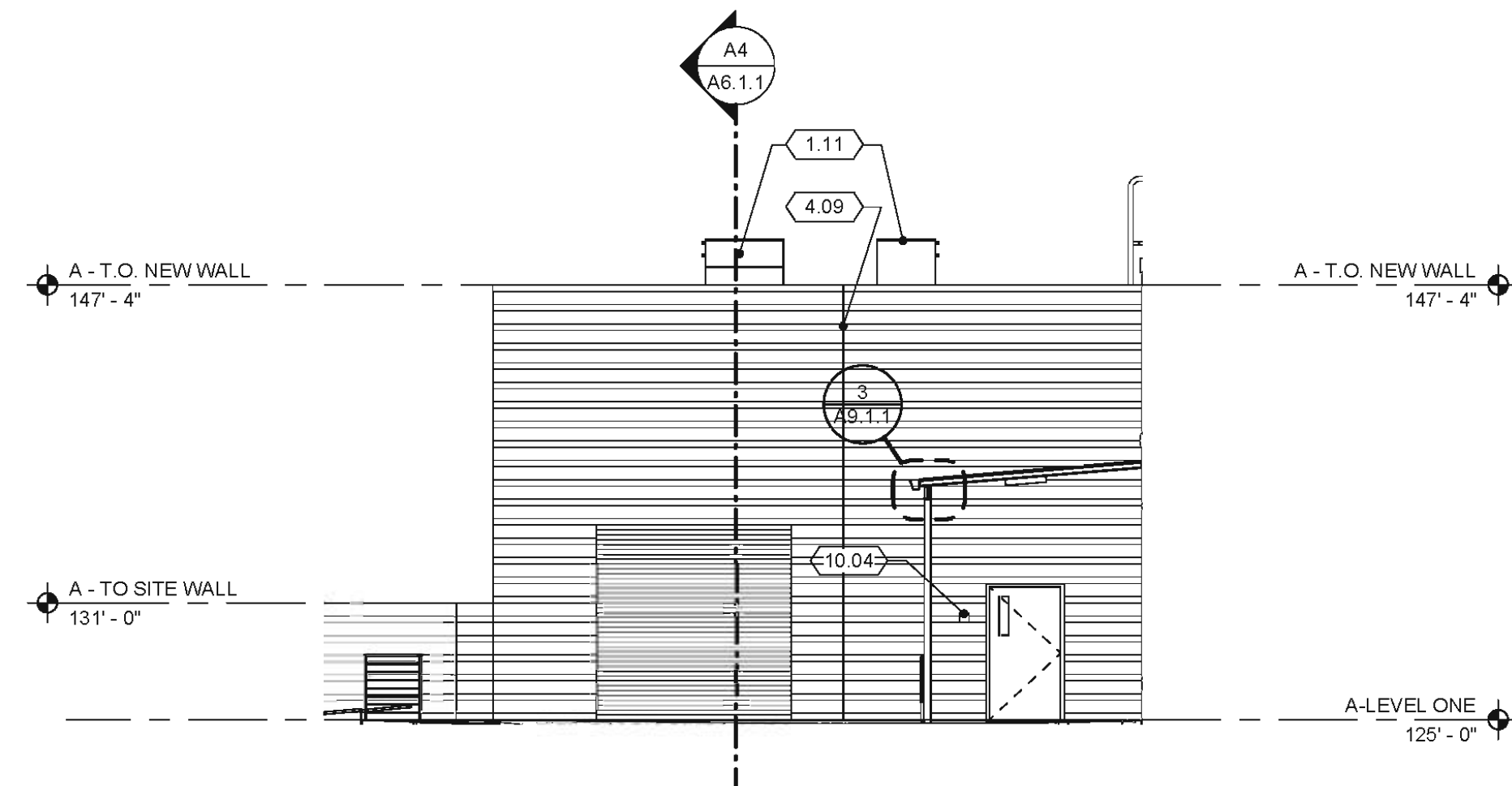
- | | |
|-------|--|
| 1.11 | SEE MECHANICAL DRAWINGS |
| 4.09 | MASONRY CONTROL JOINT 04 22 00 |
| 5.37 | PIPE BOLLARD - 05 50 00 |
| 5.39 | STEEL LADDER - 05 50 00 |
| 7.21 | PIPE DOWNSPOUT - 07 60 00 |
| 7.27 | METAL DOWNSPOUT - 07 60 00 |
| 10.04 | ROOM IDENTIFICATION SIGNAGE (RS-1)- 10 14 00 |
| 11.01 | DOCK BUMPER - 11 13 00 |
| 23.01 | EXISTING MECHANICAL LOUVER TO REMAIN |



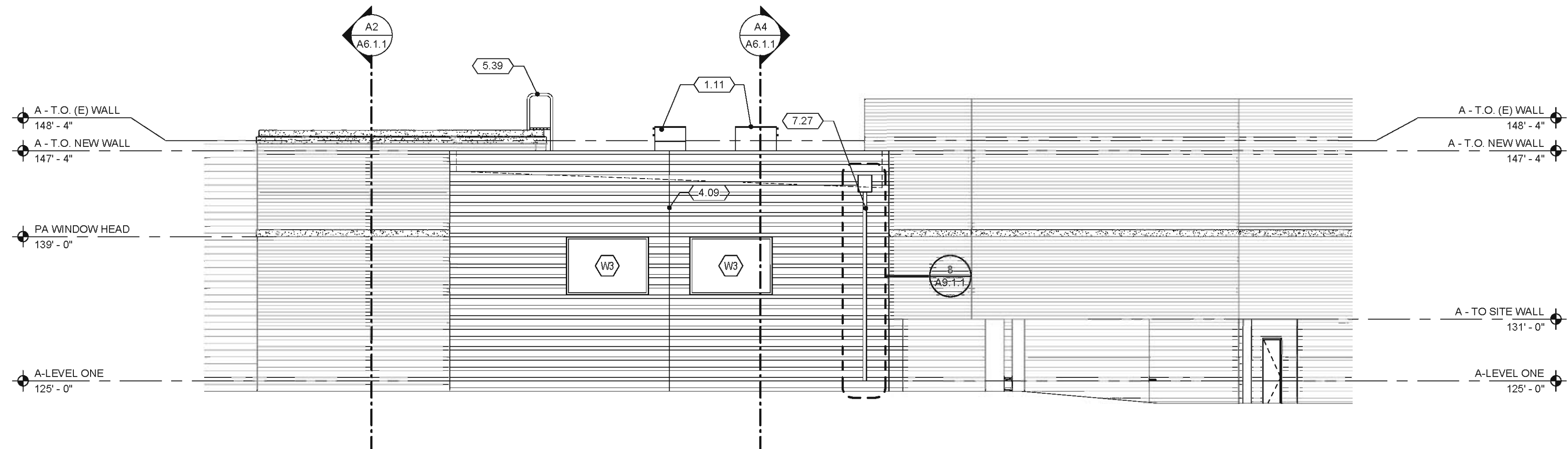
2 BUILDING A - ELEVATION - EAST
1/8" = 1'-0"



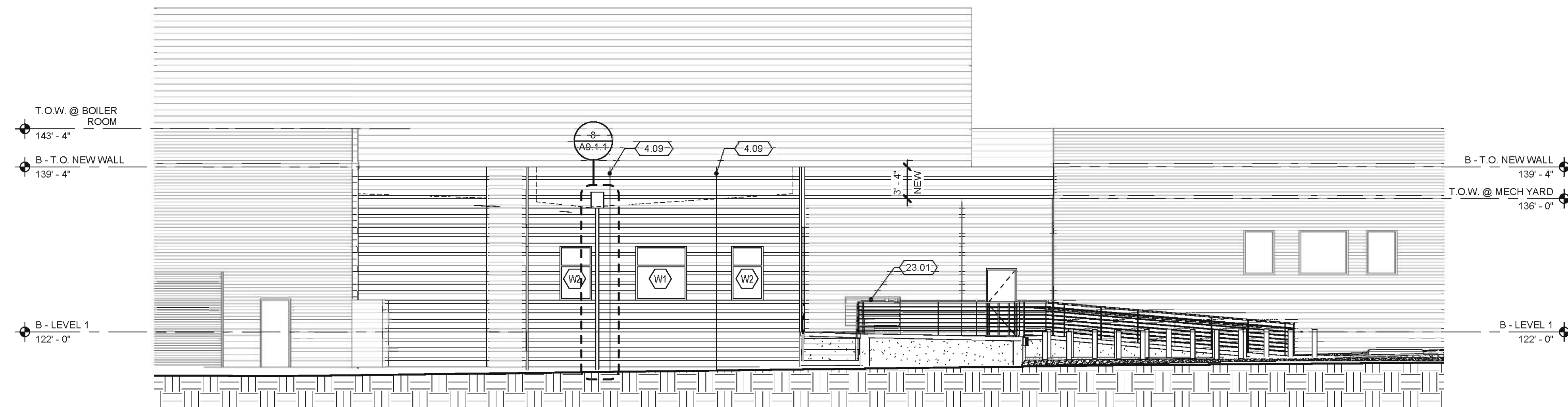
1 BUILDING A - ELEVATION - WEST
1/8" = 1'-0"



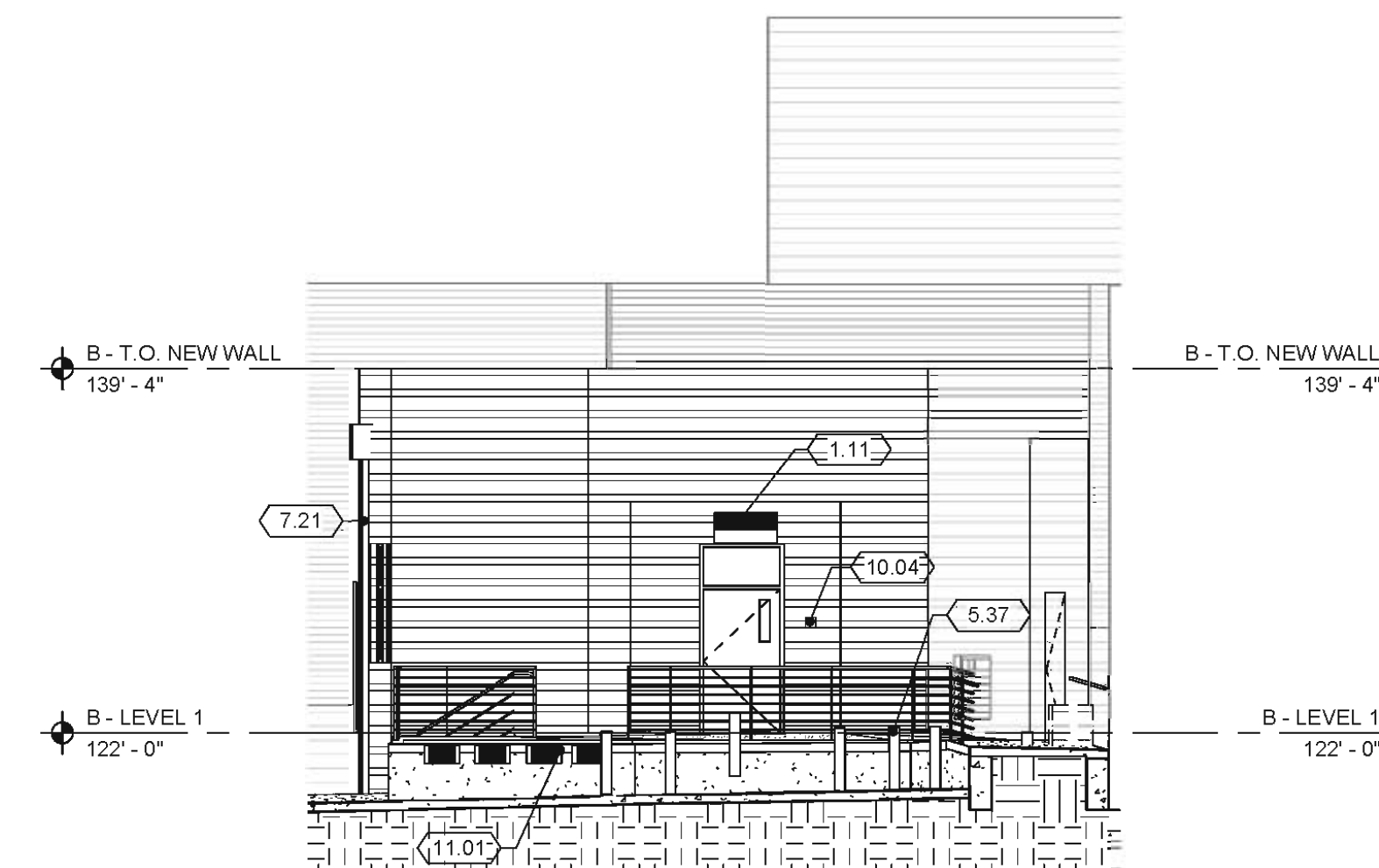
4 BUILDING A - ELEVATION - NORTH
1/8" = 1'-0"



3 BUILDING A - ELEVATION - SOUTH
1/8" = 1'-0"



6 BUILDING B - ELEVATION - EAST
1/8" = 1'-0"



5 BUILDING B - ELEVATION - NORTH
1/8" = 1'-0"

CMU PATTERN TYPES

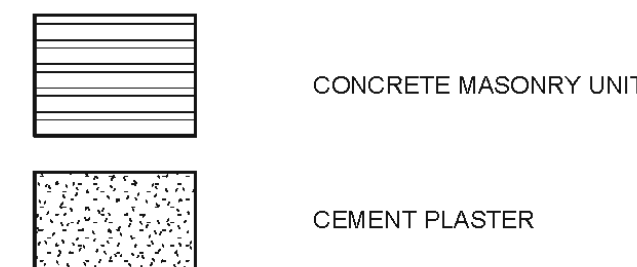
TYPE-A: 4" NOMINAL HEIGHT TERRA BROWN (LIGHT) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU.

TYPE - B: 4" NOMINAL HEIGHT TERRA BROWN (DARK) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU U.N.O.

TYPE - C: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SPLIT FACE AND 4" SMOOTH CMU. 8" UNITS SHALL BE SPLIT FACE AT EXTERIOR FACES ONLY, INTERIOR FACE SHALL BE SMOOTH CMU.

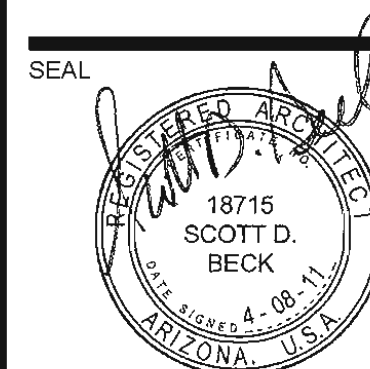
TYPE - D: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SMOOTH AND 4" SMOOTH CMU.

LEGEND



GENERAL NOTES

- FIRST FLOOR FINISH FLOOR FOR BUILDING 'A' IS 0'-0" = 73.00'
- FIRST FLOOR FINISH FLOOR FOR BUILDING 'B' & 'C' IS -4'-0" = 69.00'
- FOR WALL MOUNTED LIGHT FIXTURES, SEE ELECTRICAL FOR MOUNTING HEIGHT



EXPIRES 03-31-2014

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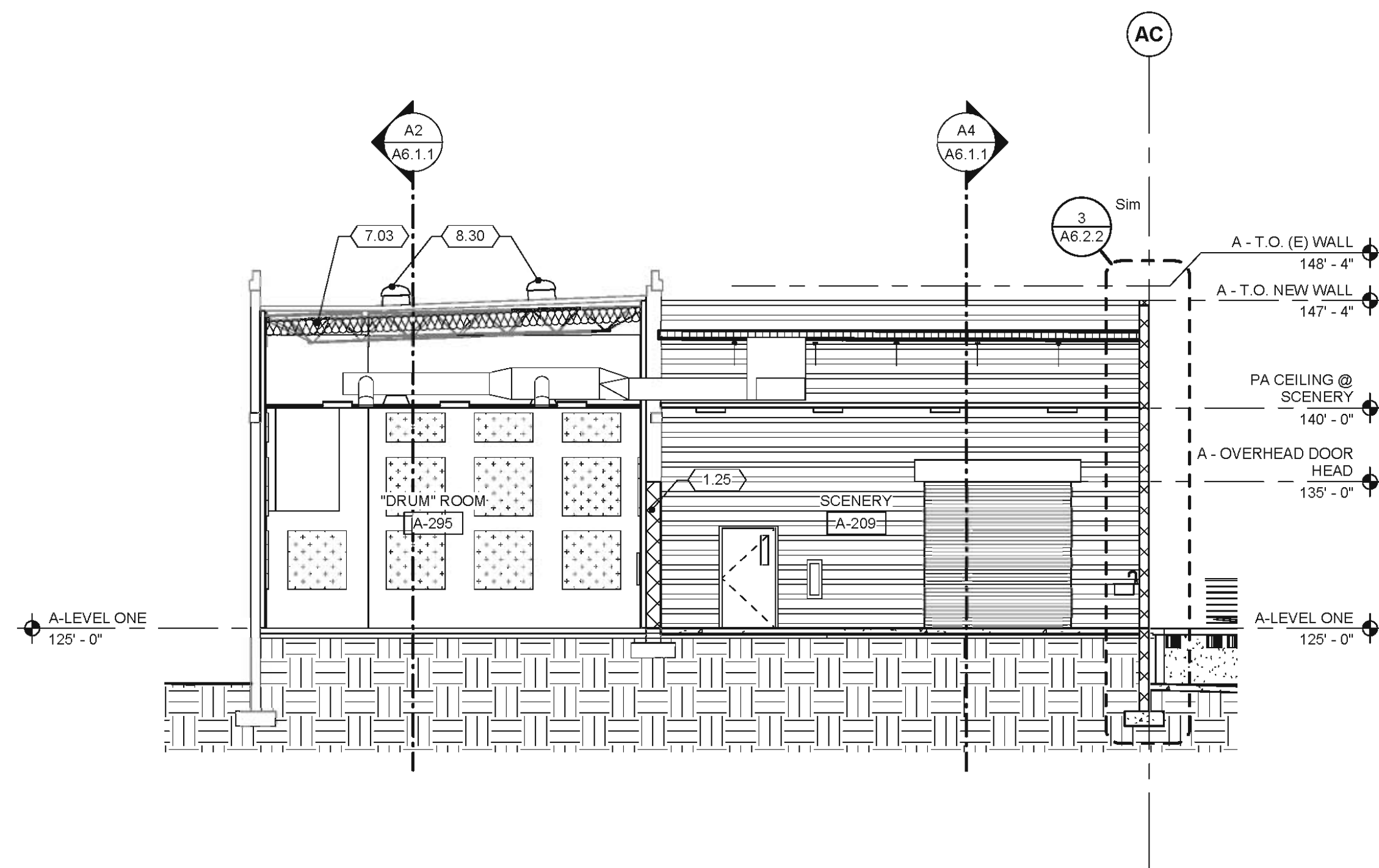
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EXTERIOR ELEVATIONS

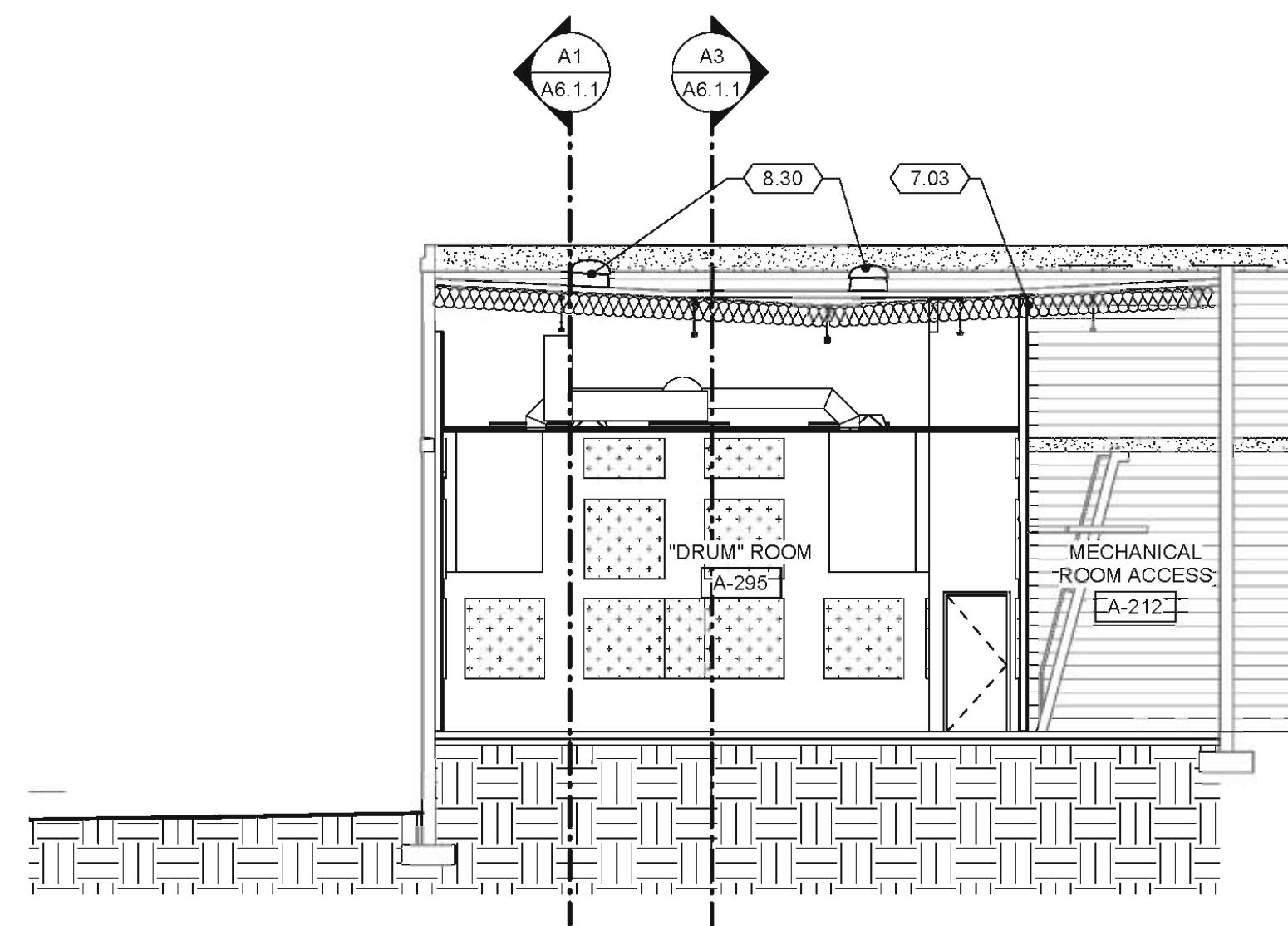
NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	DATE
			Checker	04/08/11
			DRAWING NO.	

A6.0.1

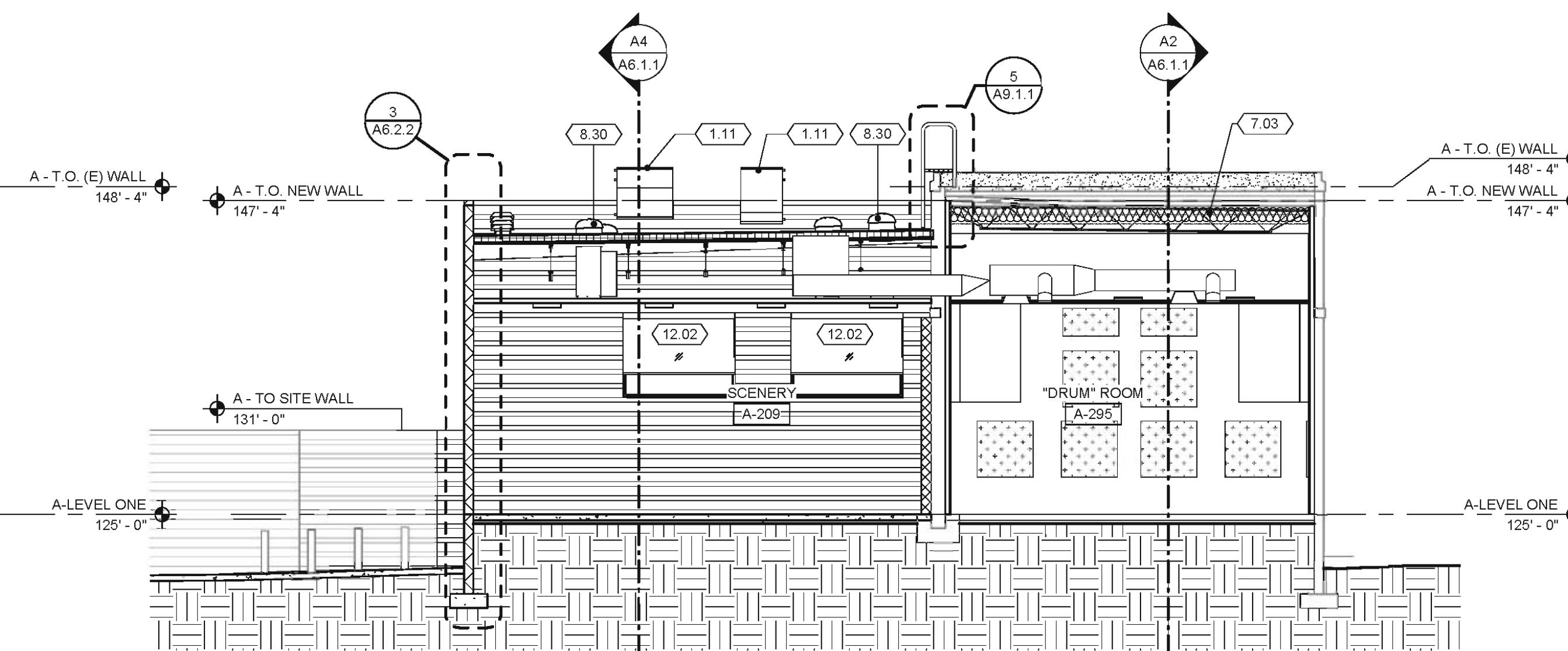
- KEYNOTES
- 1.11 SEE MECHANICAL DRAWINGS
 - 1.25 PATCH OPENING TO MATCH ADJACENT CONSTRUCTION
 - 2.09 (E) MASONRY WALL TO REMAIN
 - 2.10 (E) FOUNDATION TO REMAIN
 - 5.02 STEEL COLUMN, SEE STRUCTURAL - 05 12 00
 - 5.07 STEEL PIPE
 - 5.23 ARCHITECTURAL GUARDRAIL - 05 50 00
 - 7.03 THERMAL INSULATION - 07 21 00/07 21 23
 - 8.30 TUBULAR SKYLIGHT - 08 62 01
 - 12.02 ROLLER SHADES - 12 24 00
 - G.01 REMOVE (E) WINDOW AND WINDOW FRAME, PATCH OPENING, FINISH TO MATCH ADJACENT



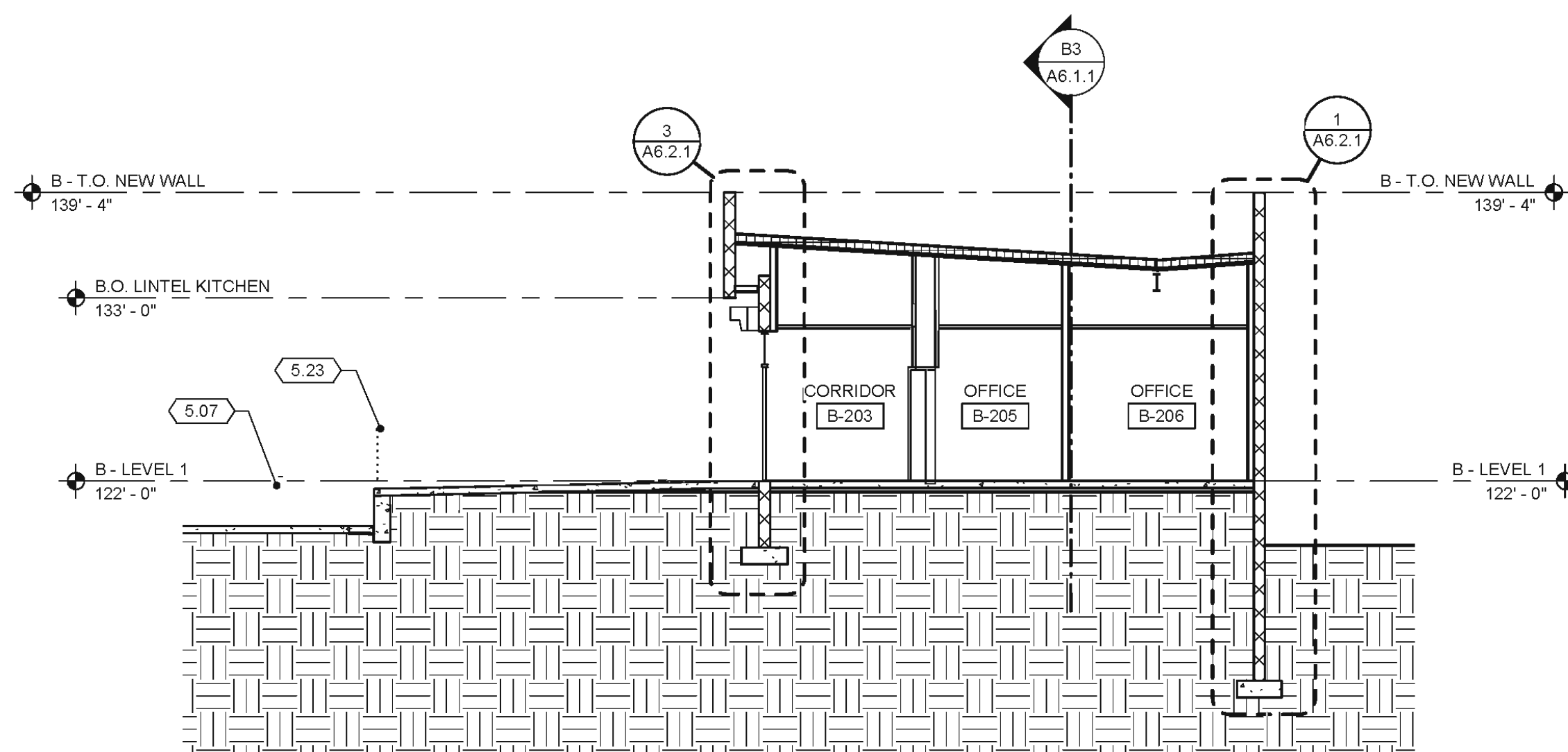
A3 BUILDING SECTION A3
1/8" = 1'-0"



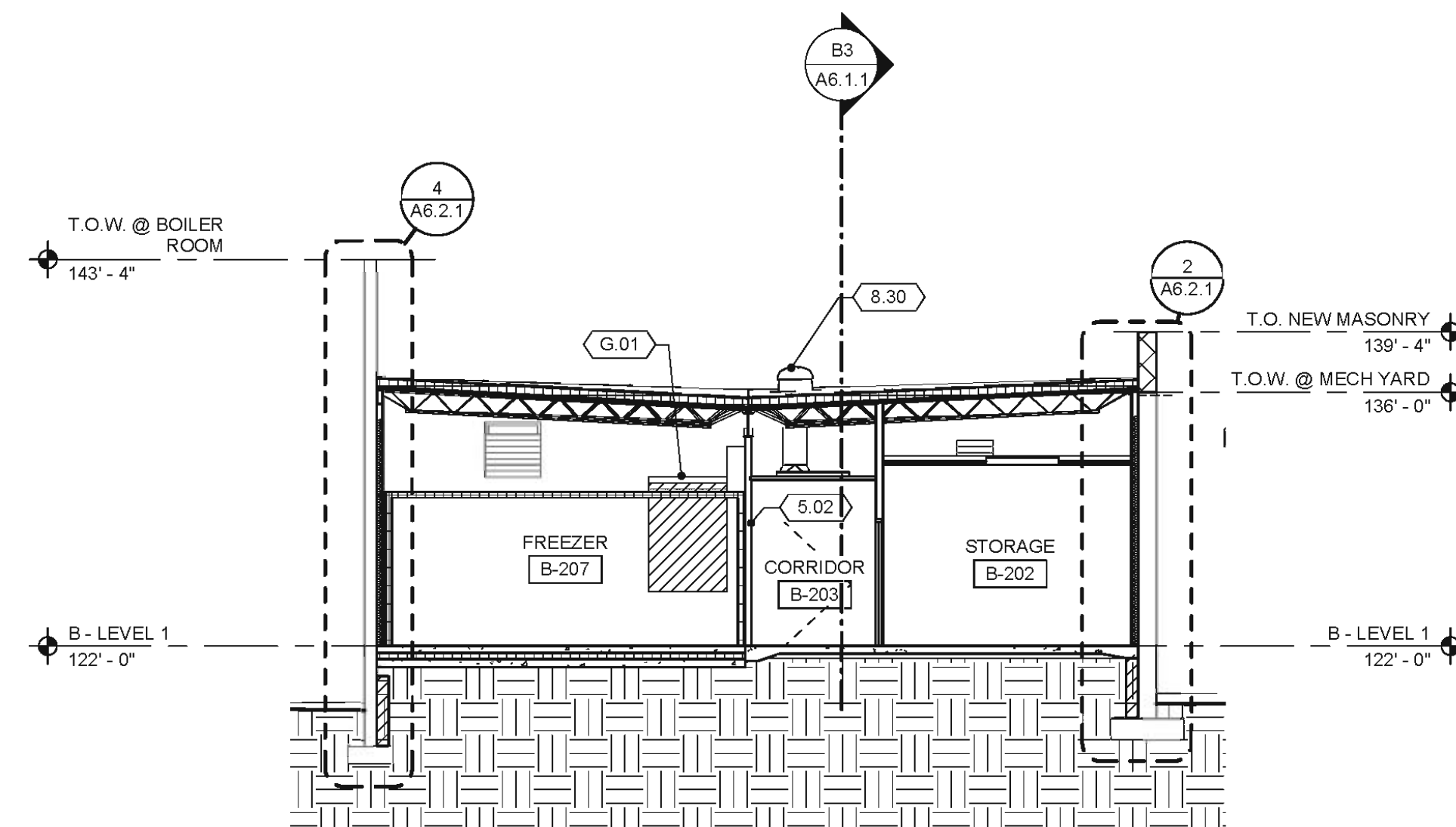
A2 BUILDING SECTION A2
1/8" = 1'-0"



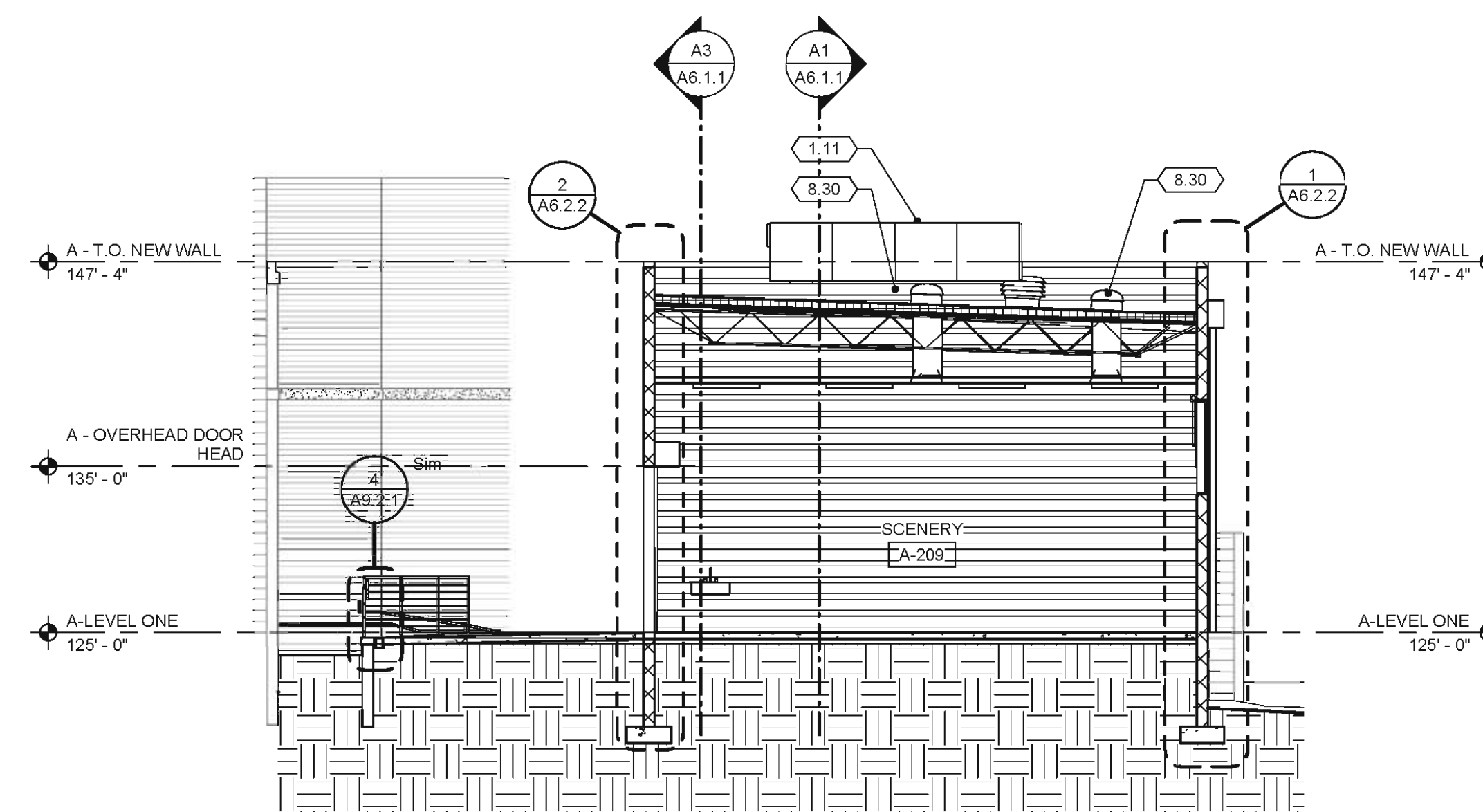
A1 BUILDING SECTION A1
1/8" = 1'-0"



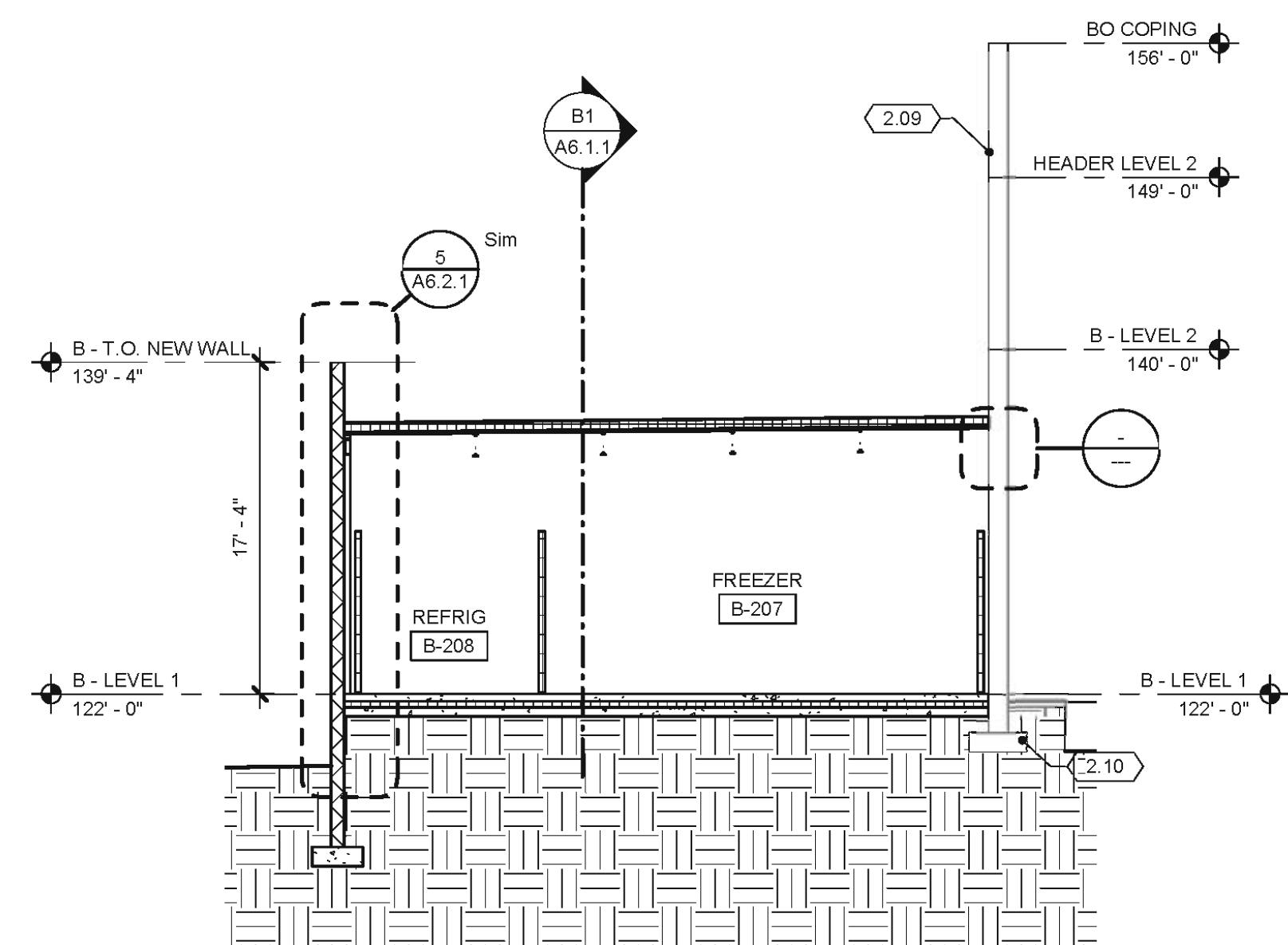
B2 BUILDING SECTION B2
1/8" = 1'-0"



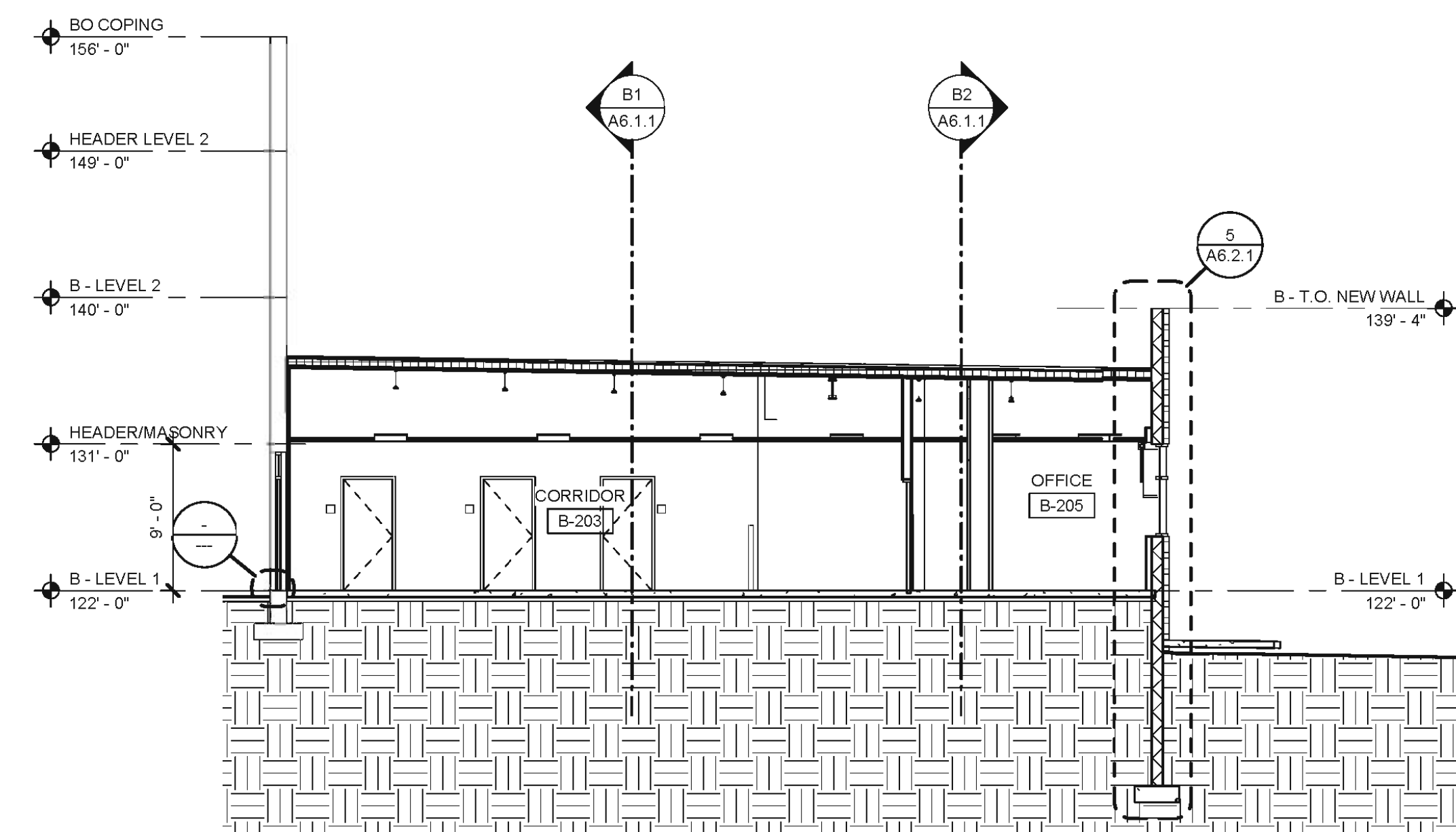
B1 BUILDING SECTION B1
1/8" = 1'-0"



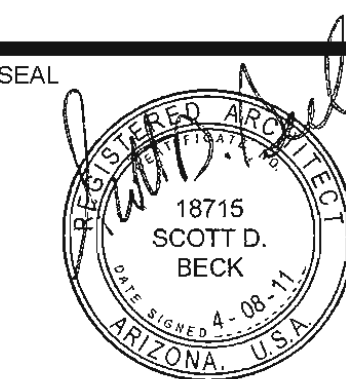
A4 BUILDING SECTION A4
1/8" = 1'-0"



B4 BUILDING SECTION B4
1/8" = 1'-0"



B3 BUILDING SECTION B3
1/8" = 1'-0"



EXPIRES 03-31-2014

PROJECT
CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

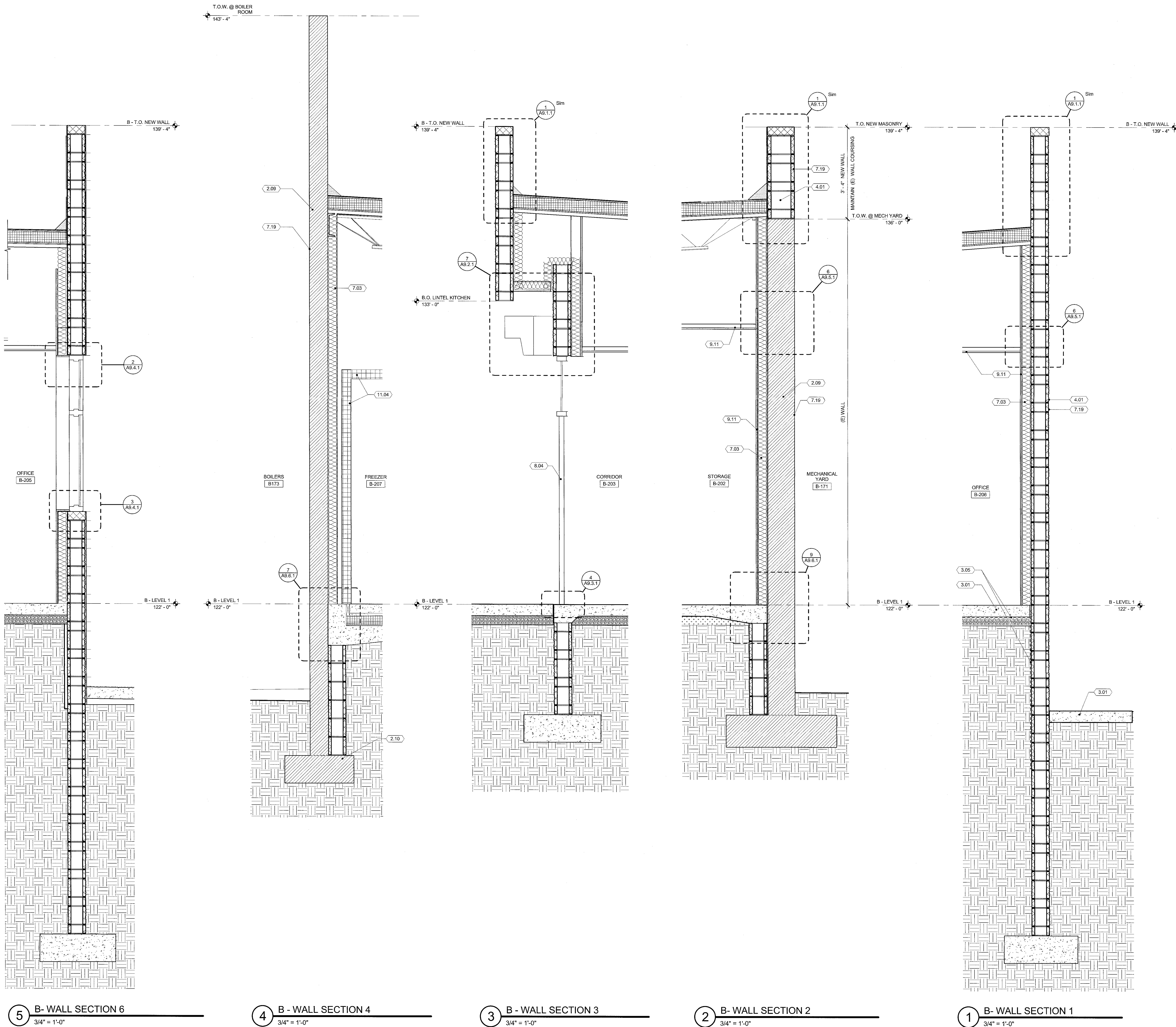
BUILDING SECTIONS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			LC	2010-0318-00
			CHECKED BY	DATE
			STAFF	04/08/11
			DRAWING NO.	

A6.1.1

KEYNOTES

- 2.09 (E) MASONRY WALL TO REMAIN
- 2.10 (E) FOUNDATION TO REMAIN
- 3.01 CAST-IN-PLACE CONCRETE SLAB - 03 30 10
- 3.05 VAPOR BARRIER - 03 30 10
- 4.01 CONCRETE MASONRY UNIT CMU - 04 22 00
- 4.06 CONCRETE MASONRY SOLID CAP - 04 22 00
- 7.03 THERMAL INSULATION - 07 21 00/07 21 23
- 7.19 WATER REPELLANT COATING 07 19 00
- 8.04 STEEL DOOR - 08 11 00
- 9.11 GYPSUM BOARD - 09 21 16
- 9.29 MASONRY SEALER AT ALL EXPOSED EXTERIOR MASONRY 09 91 00
- 11.04 MANUFACTURED REFRIGERATED COLD ROOM - 11 40 00



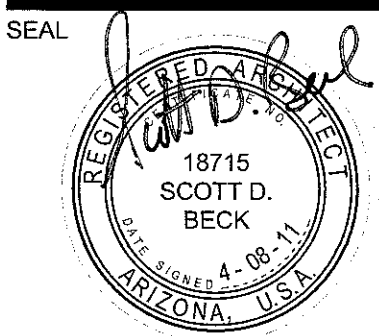
CMU PATTERN TYPES

TYPE - A: 4" NOMINAL HEIGHT TERRA BROWN (LIGHT) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU.

TYPE - B: 4" NOMINAL HEIGHT TERRA BROWN (DARK) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU U.N.O.

TYPE - C: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SPLIT FACE AND 4" SMOOTH CMU. 8" UNITS SHALL BE SPLIT FACE AT EXTERIOR FACES ONLY. INTERIOR FACE SHALL BE SMOOTH CMU.

TYPE - D: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SMOOTH AND 4" SMOOTH CMU.



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PROJECT **CFSD HIGH SCHOOL**

**KITCHEN AND PERFORMING ARTS
EXPANSION**

DRAWING TITLE

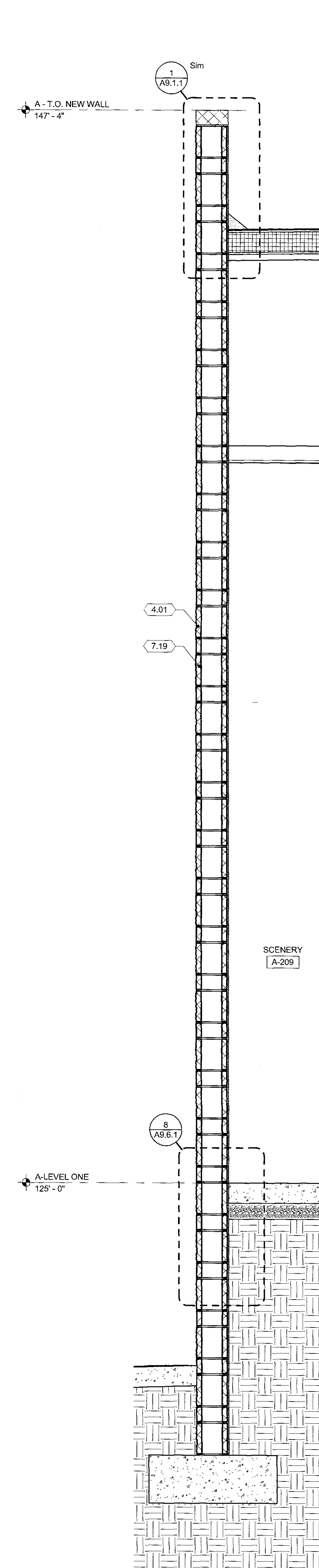
WALL SECTIONS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1	04/08/11	ISSUE	Author	2010-0318-00
2	04/08/11	CHECKED BY	Checker	04/08/11
3	04/08/11	CHECKED BY	Checker	04/08/11
4	04/08/11	CHECKED BY	Checker	04/08/11

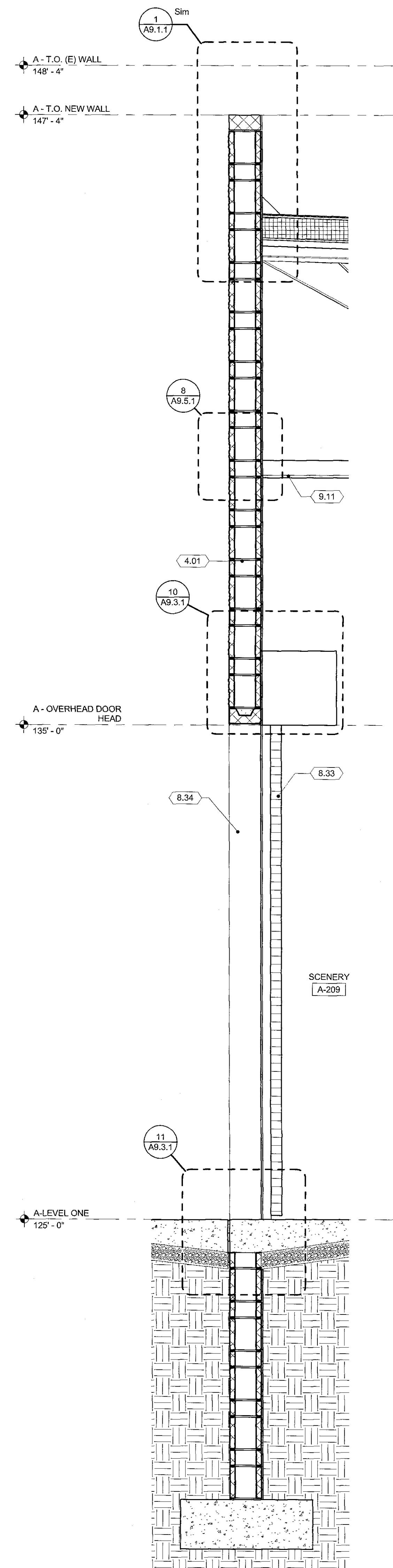
A6.2.1

KEYNOTES

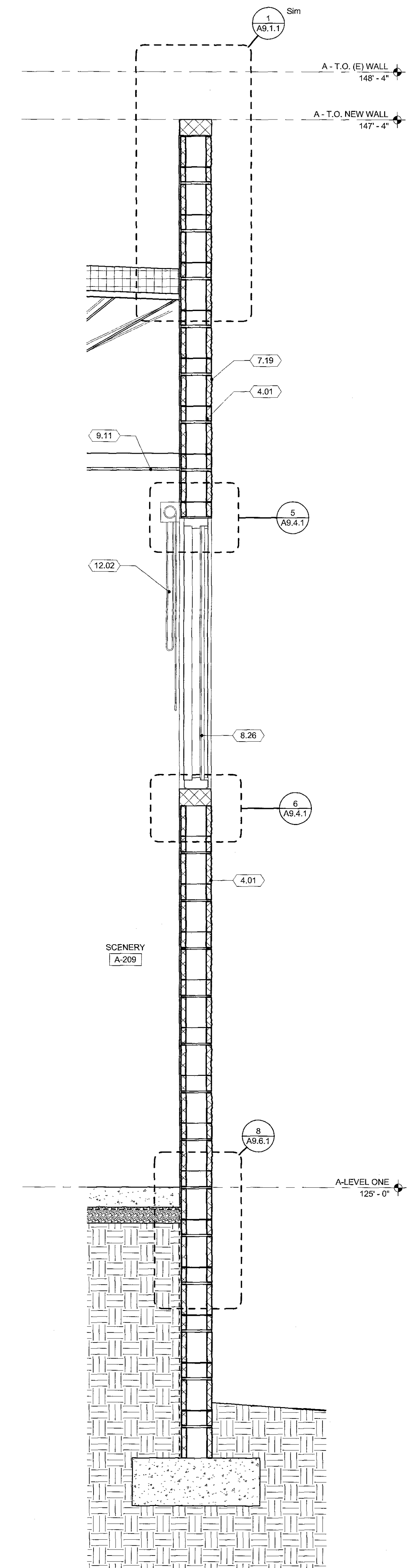
4.01	CONCRETE MASONRY UNIT CMU - 04 22 00
7.19	WATER REPELLANT COATING 07 19 00
8.26	INSULATING GLASS - 08 81 00
8.33	SALVAGED OVERHEAD DOOR - REPAINT
8.34	SALVAGED OVERHEAD DOOR JAMB - REPAINT
9.11	GYPSUM BOARD - 09 21 16
12.02	ROLLER SHADES - 12 24 00



3 A - WALL SECTION - 3
3/4" = 1'-0"



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



1 A - WALL SECTION - 1
3/4" = 1'-0"

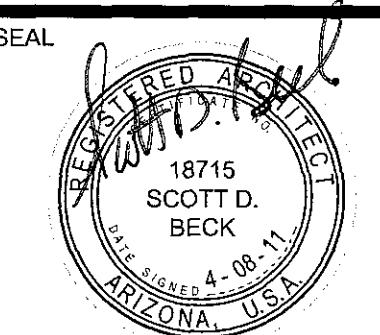
CMU PATTERN TYPES

TYPE-A: 4" NOMINAL HEIGHT TERRA BROWN (LIGHT) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU.

TYPE-B: 4" NOMINAL HEIGHT TERRA BROWN (DARK) CONCRETE MASONRY UNITS AS MANUFACTURED BY YOUNG BLOCK COMPANY. SMOOTH FACE CMU U.N.O.

TYPE-C: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SPLIT FACE AND 4" SMOOTH CMU. 8" UNITS SHALL BE SPLIT FACE AT EXTERIOR FACES ONLY. INTERIOR FACE SHALL BE SMOOTH CMU.

TYPE-D: LIGHTWEIGHT GRAY CONCRETE MASONRY UNITS WITH RED SCORIA COARSE AGGREGATE AS MANUFACTURED BY YOUNG BLOCK COMPANY. ALTERNATE COURSES OF 8" SMOOTH AND 4" SMOOTH CMU.



EXPIRES 03-31-2014

PROJECT CFSD HIGH SCHOOL

KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

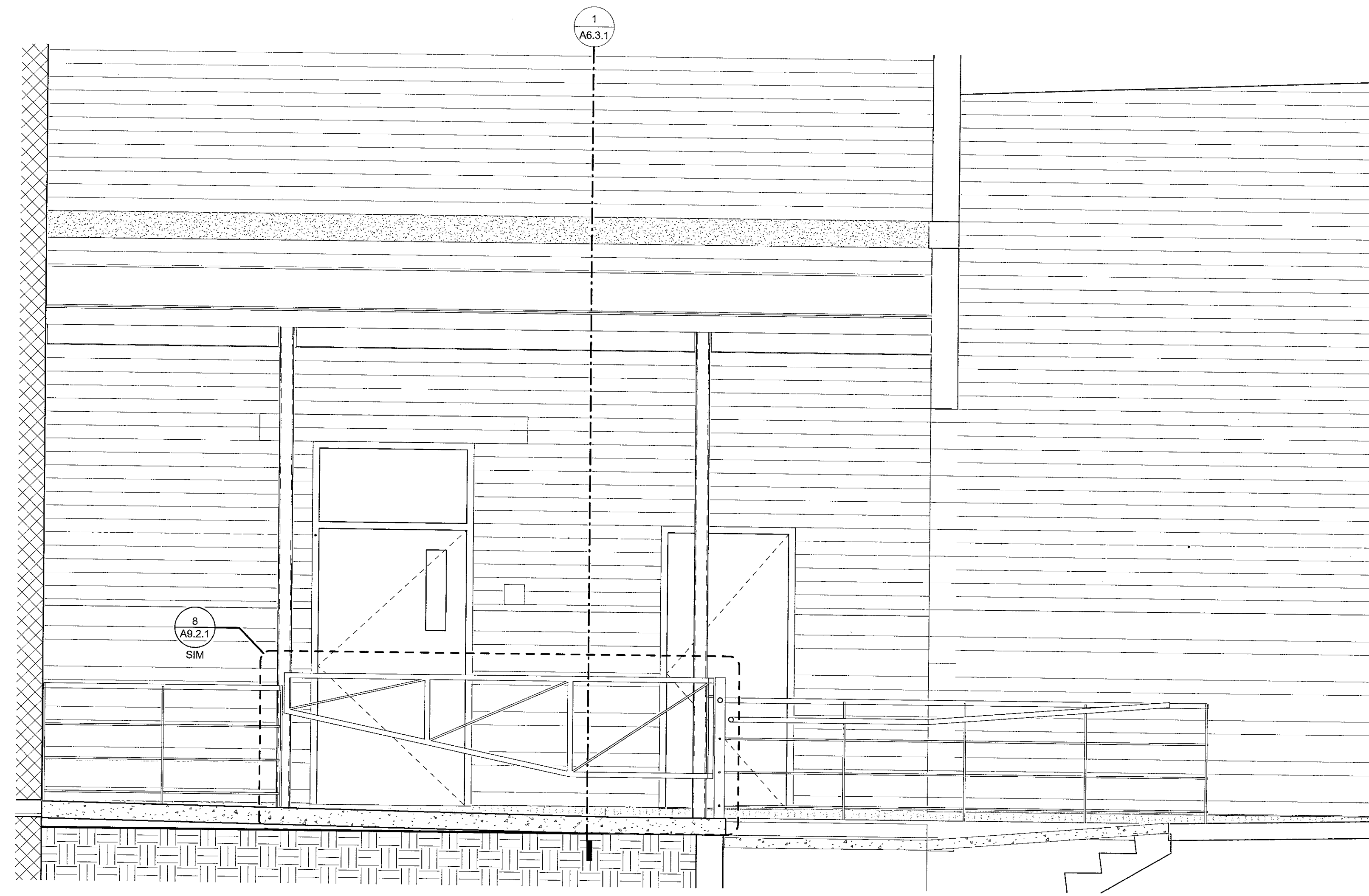
WALL SECTIONS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			LC	2010-0318-00
CHECKED BY				@ DATE
Checker				04/08/11
DRAWING NO.				

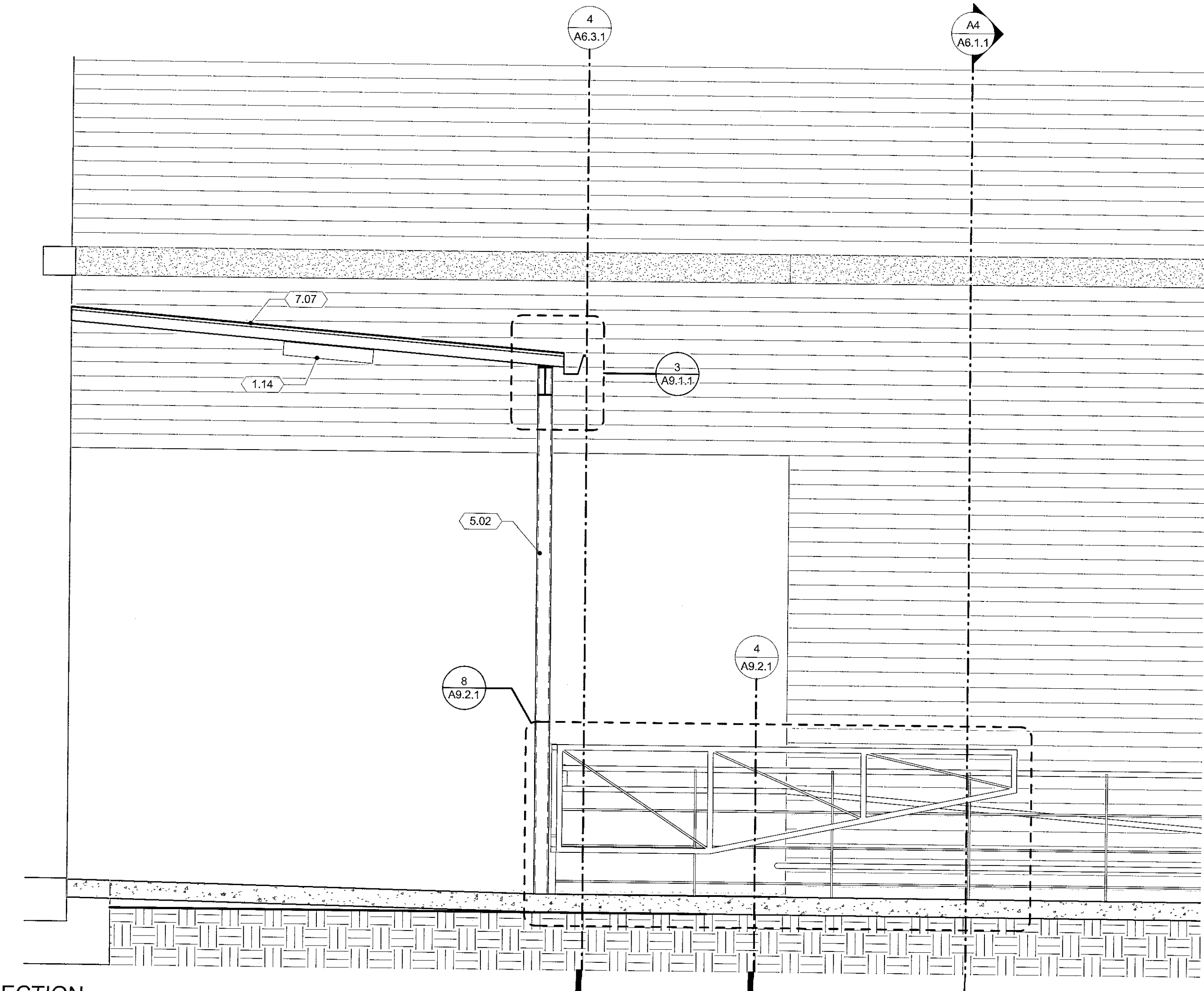
A6.2.2

KEYNOTES

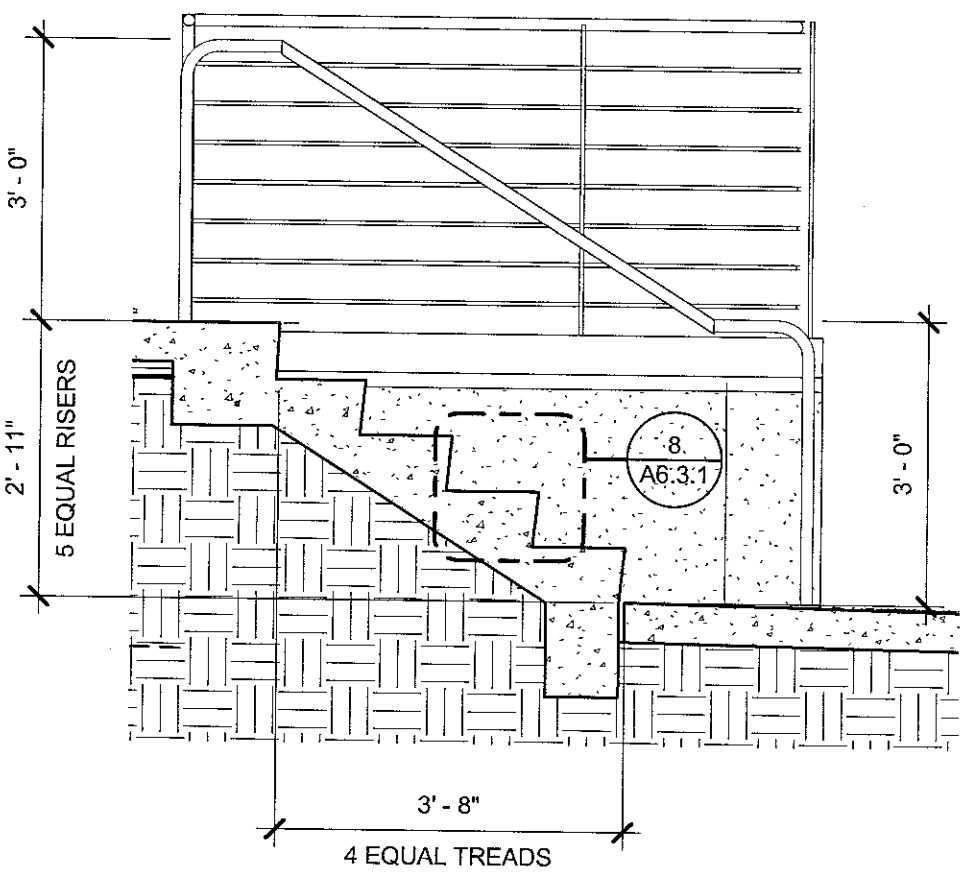
- 1.10 SEE STRUCTURAL DRAWINGS
- 1.14 SEE ELECTRICAL DRAWINGS
- 4.03 MASONRY PLASTER, SEE STRUCTURAL - 04 22 00
- 5.01 STEEL BEAM - 05 12 00
- 5.02 STEEL COLUMN, SEE STRUCTURAL - 05 12 00
- 5.22 ARCHITECTURAL HANDRAIL - 05 50 00
- 5.23 ARCHITECTURAL GUARDRAIL - 05 50 00
- 5.26 STEEL PIPE HANDRAIL - 05 50 00
- 5.27 STEEL PIPE GUARDRAIL - 05 50 00
- 7.07 BUILT-UP ROOF - HOT BITUMEN - 07 51 19



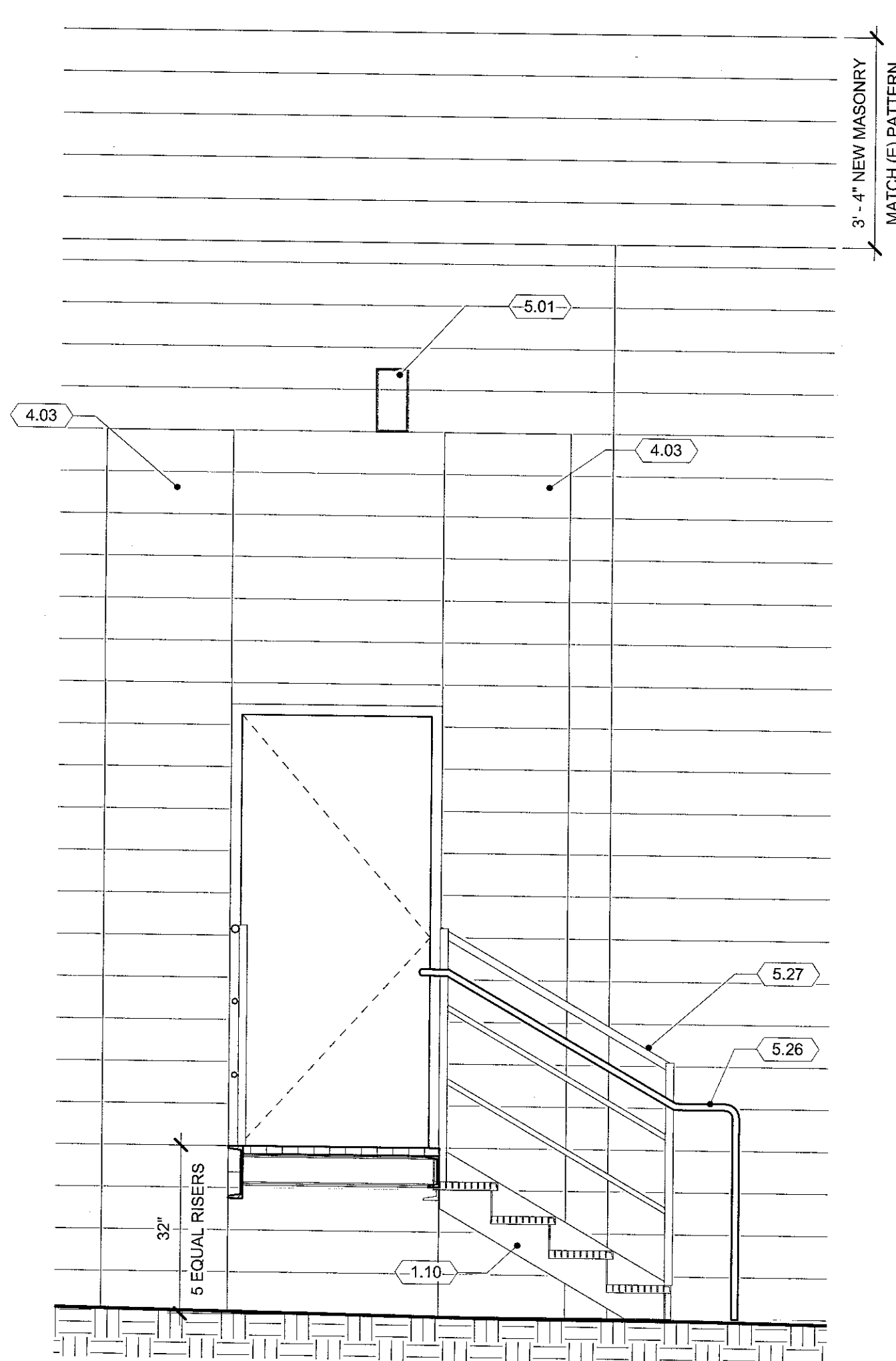
4 A - DOCK SECTION2
1/2" = 1'-0"



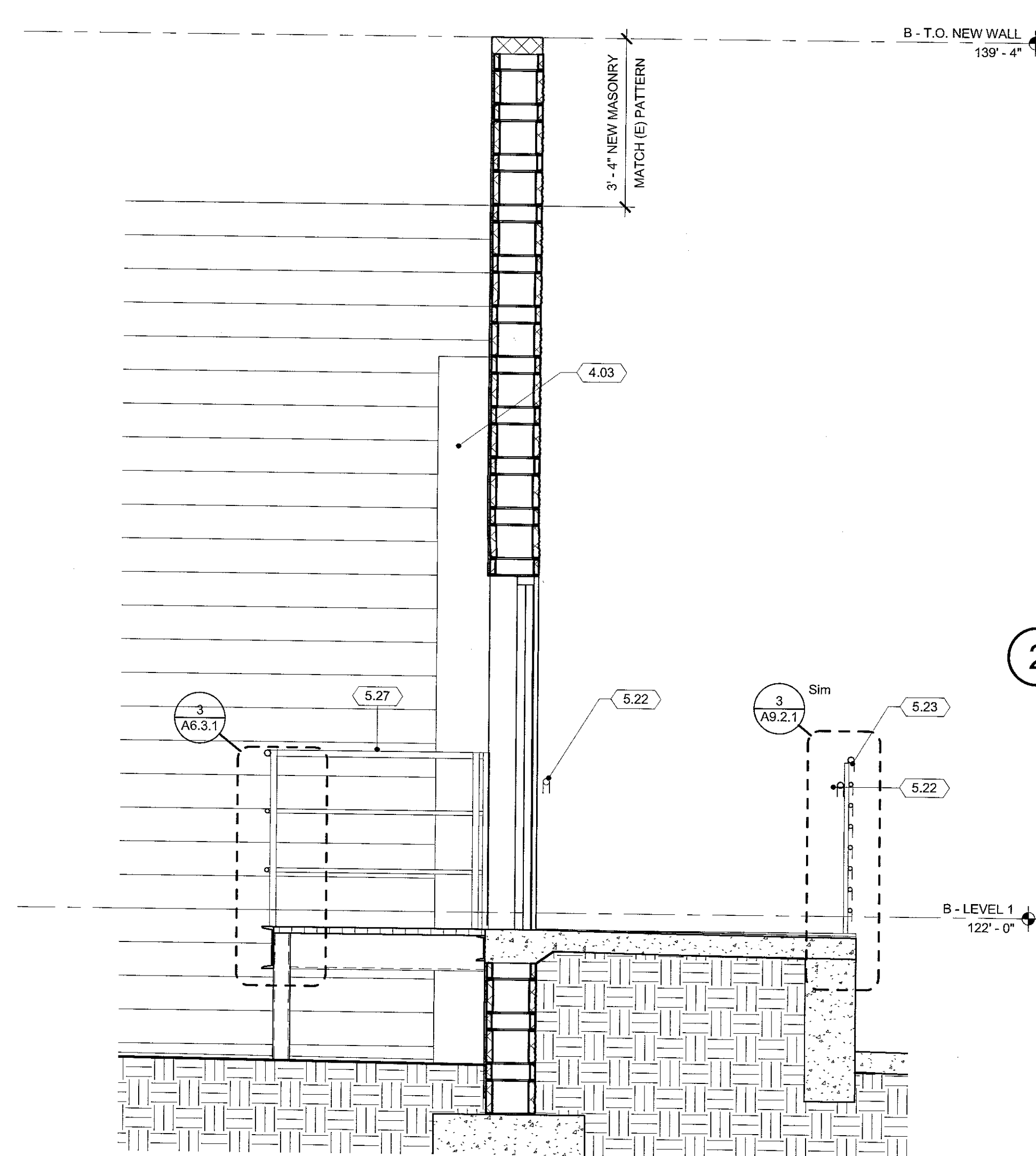
1 A - DOCK SECTION
1/2" = 1'-0"



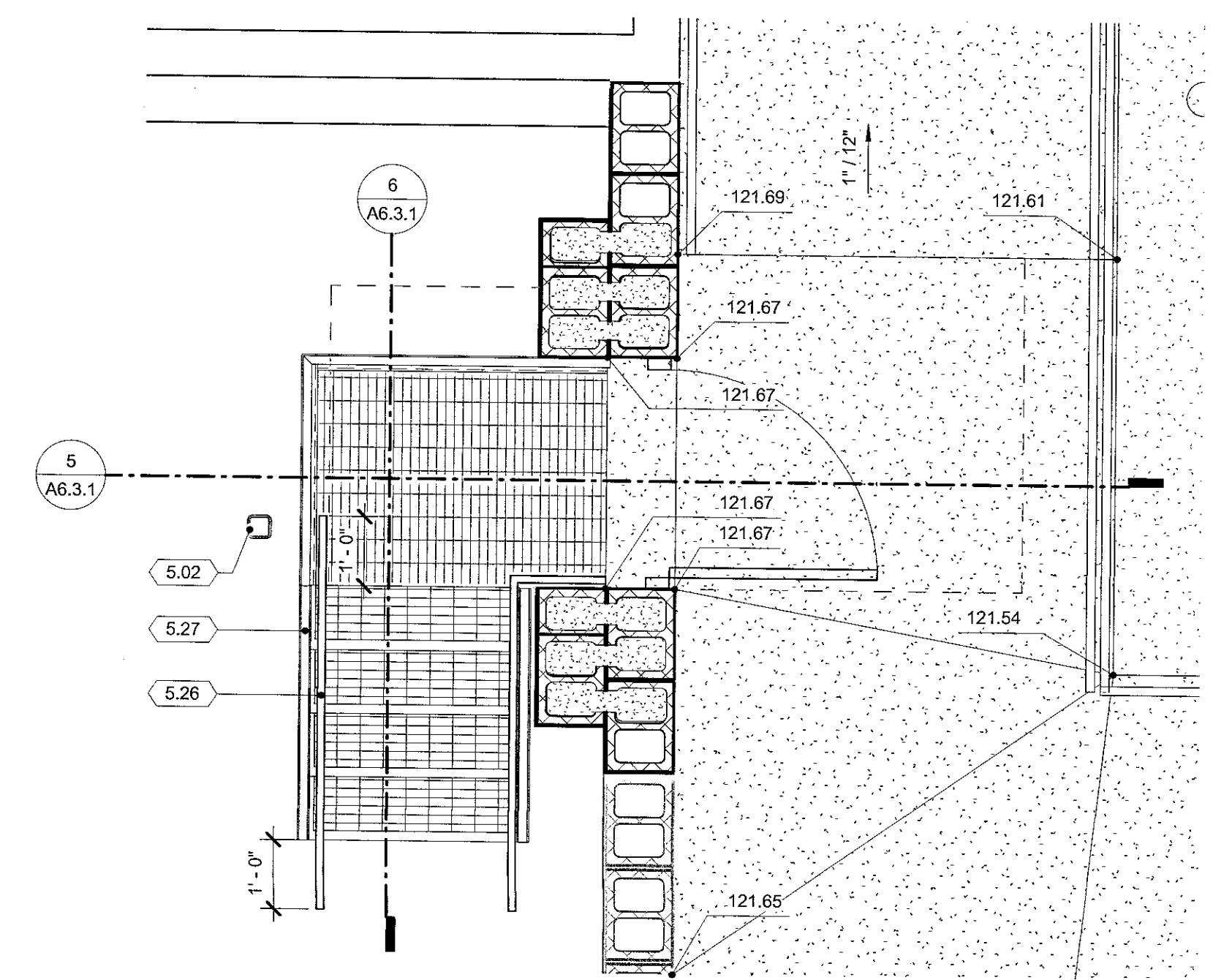
7 B-DOCK STAIR SECTION
1/2" = 1'-0"



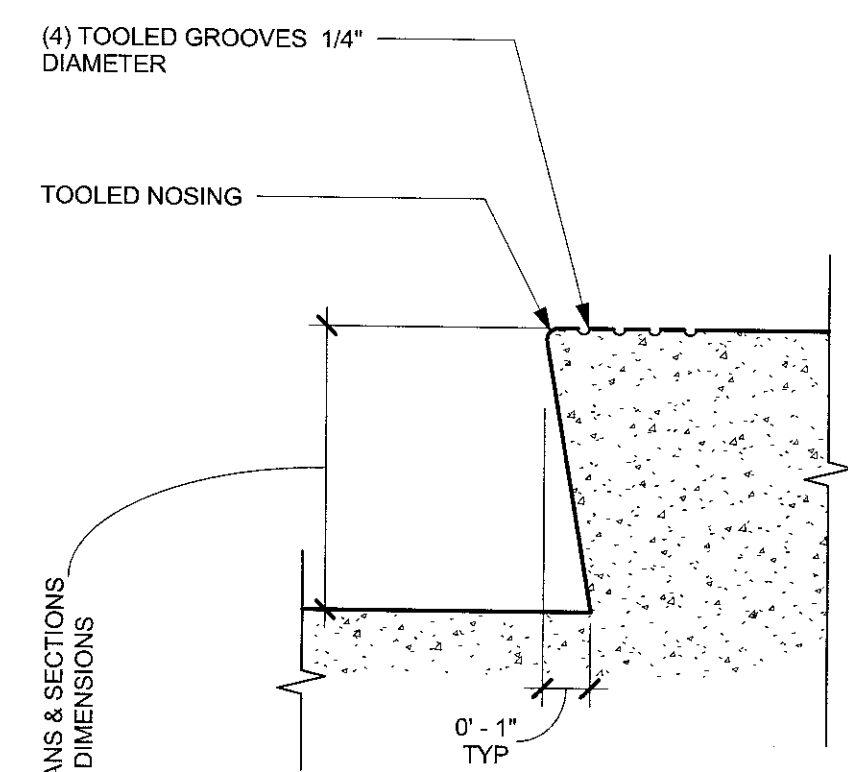
6 VC STAIR-MECH YARD SECTION 1
1/2" = 1'-0"



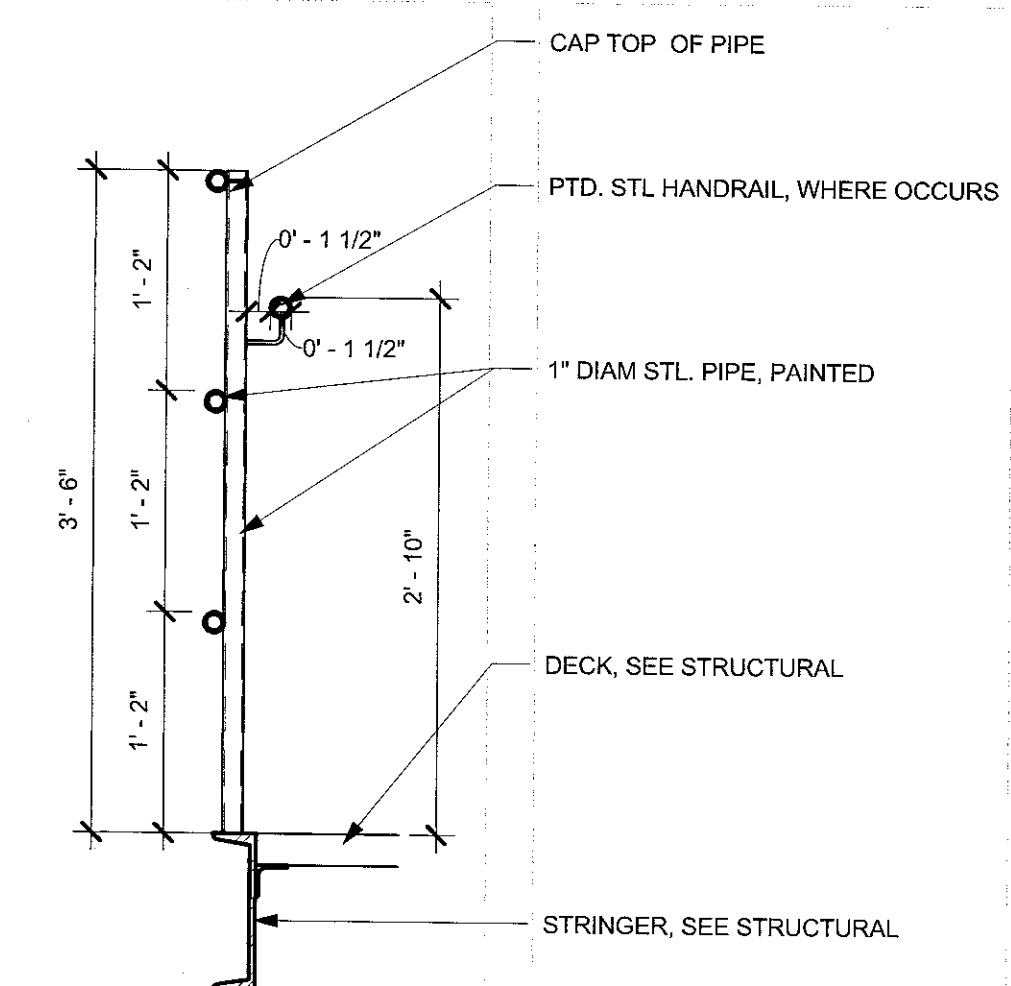
5 VC STAIR-MECH YARD SECTION 2
1/2" = 1'-0"



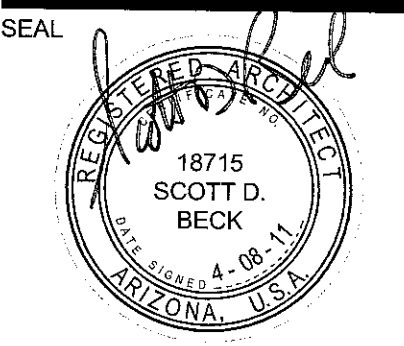
2 PLAN ENLARGED STAIR - MECH YARD
1/2" = 1'-0"



8 TYPICAL STAIR NOSING DETAIL
3" = 1'-0"



3 SI-STAIR RAIL
1" = 1'-0"



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PROJECT
**CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION**

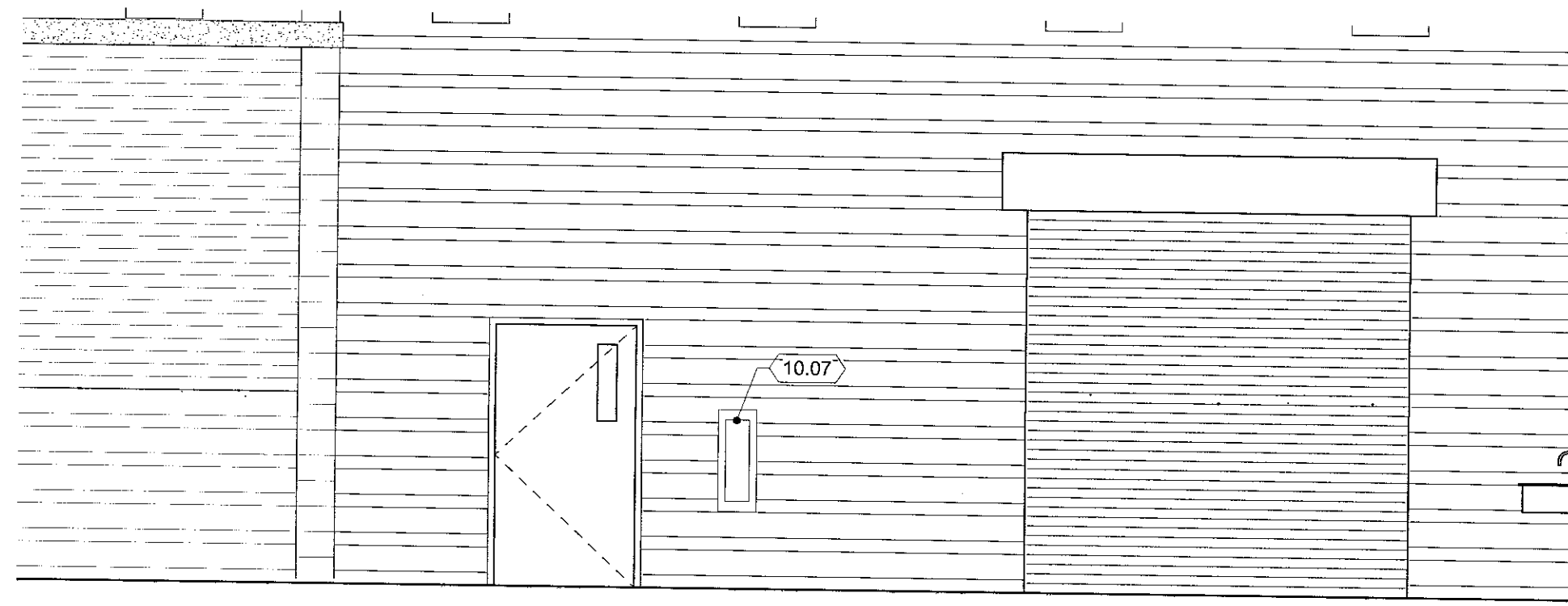
DRAWING TITLE
**ENLARGED PLANS & STAIR
SECTIONS**

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
CP			18715	2010-0318-00
CHECKED BY			SCOTT D. BECK	DATE
STAFF				04/08/11
DRAWING NO.				

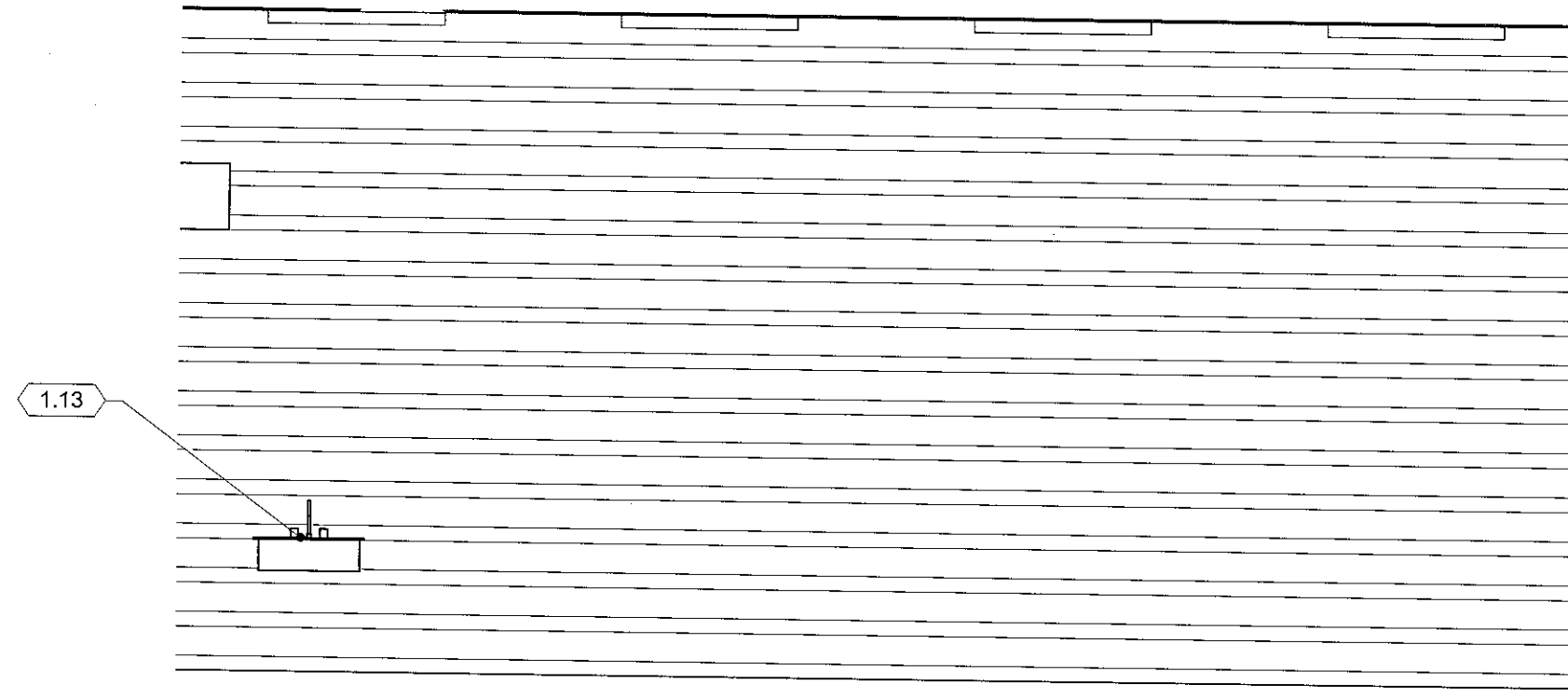
A6.3.1

KEYNOTES

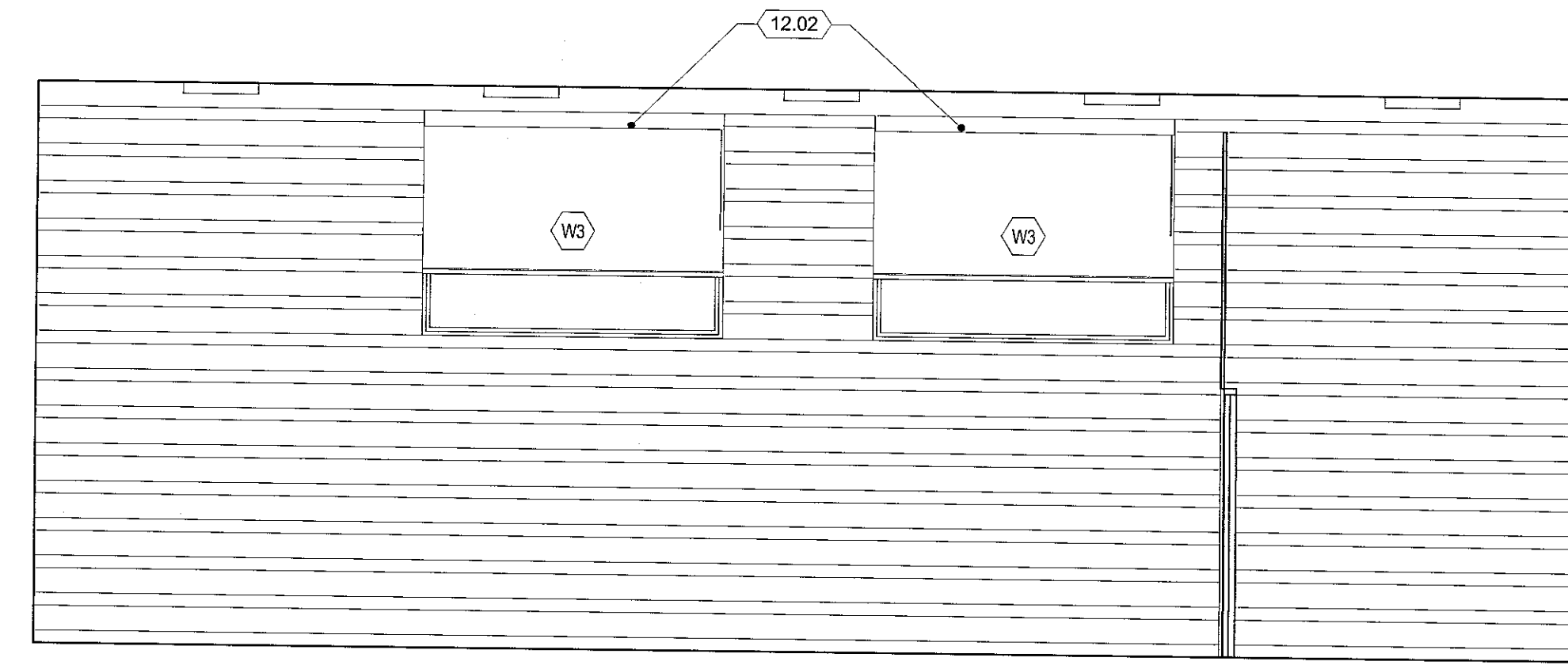
- 1.13 SEE PLUMBING DRAWINGS
- 6.04 STEEL DOOR - 08 11 00
- 8.29 AUTO DOOR OPENER - 08 81 00
- 9.30 RESILIENT BASE 09 65 00
- 9.41 SOUND ABSORBING WALL PANEL 09 84 00
- 10.01 BASE TRAP
- 10.03 EXIT IDENTIFICATION SIGNAGE (RS-2) - 10 14 00
- 10.04 ROOM IDENTIFICATION SIGNAGE (RS-1) - 10 14 00
- 10.05 FIRE EXTINGUISHER CABINET - 10 44 16
- 10.07 FIRE EXTINGUISHER BRACKET - 10 44 16
- 10.08 WIRE MESH PARTITION - 10 22 13
- 10.09 SMART BOARD (OFO)
- 12.02 ROLLER SHADES - 12 24 00
- 22.01 TRAP PRIMER AND ACCESS PANEL, SEE PLUMBING
- 26.01 HIGH LEVEL EXIT SIGN



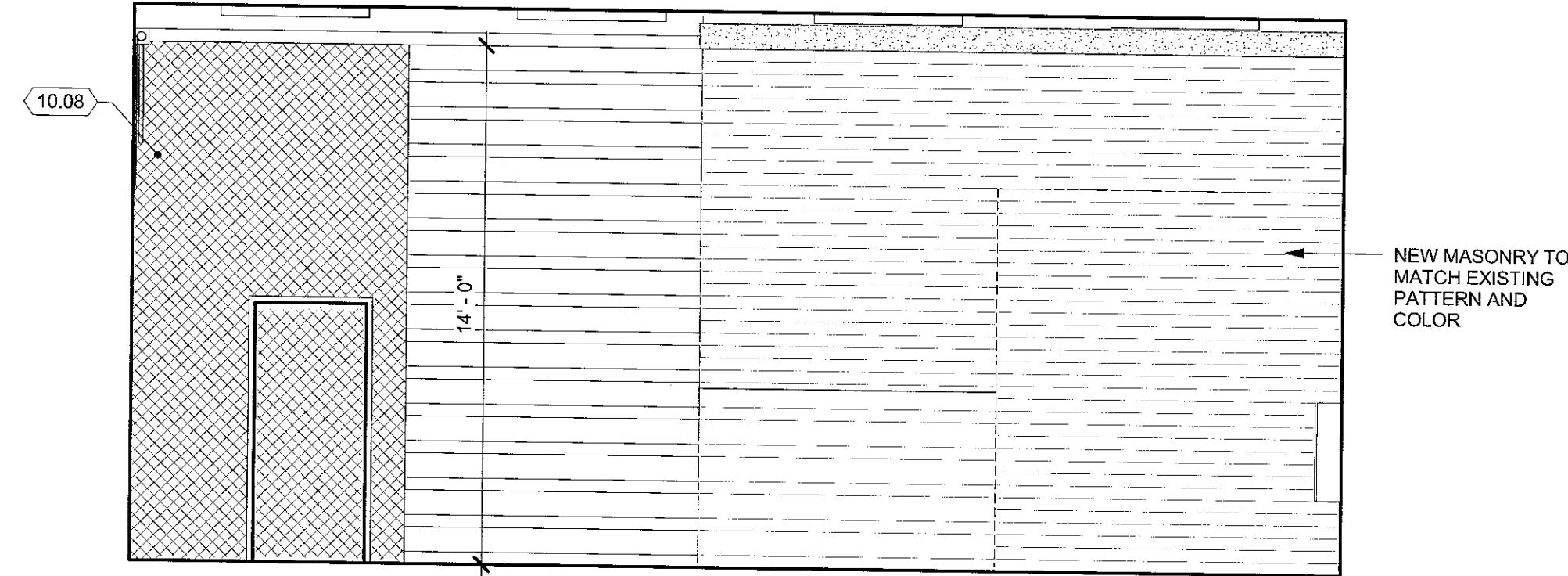
3 SCENERY A209 N
1/4" = 1'-0"



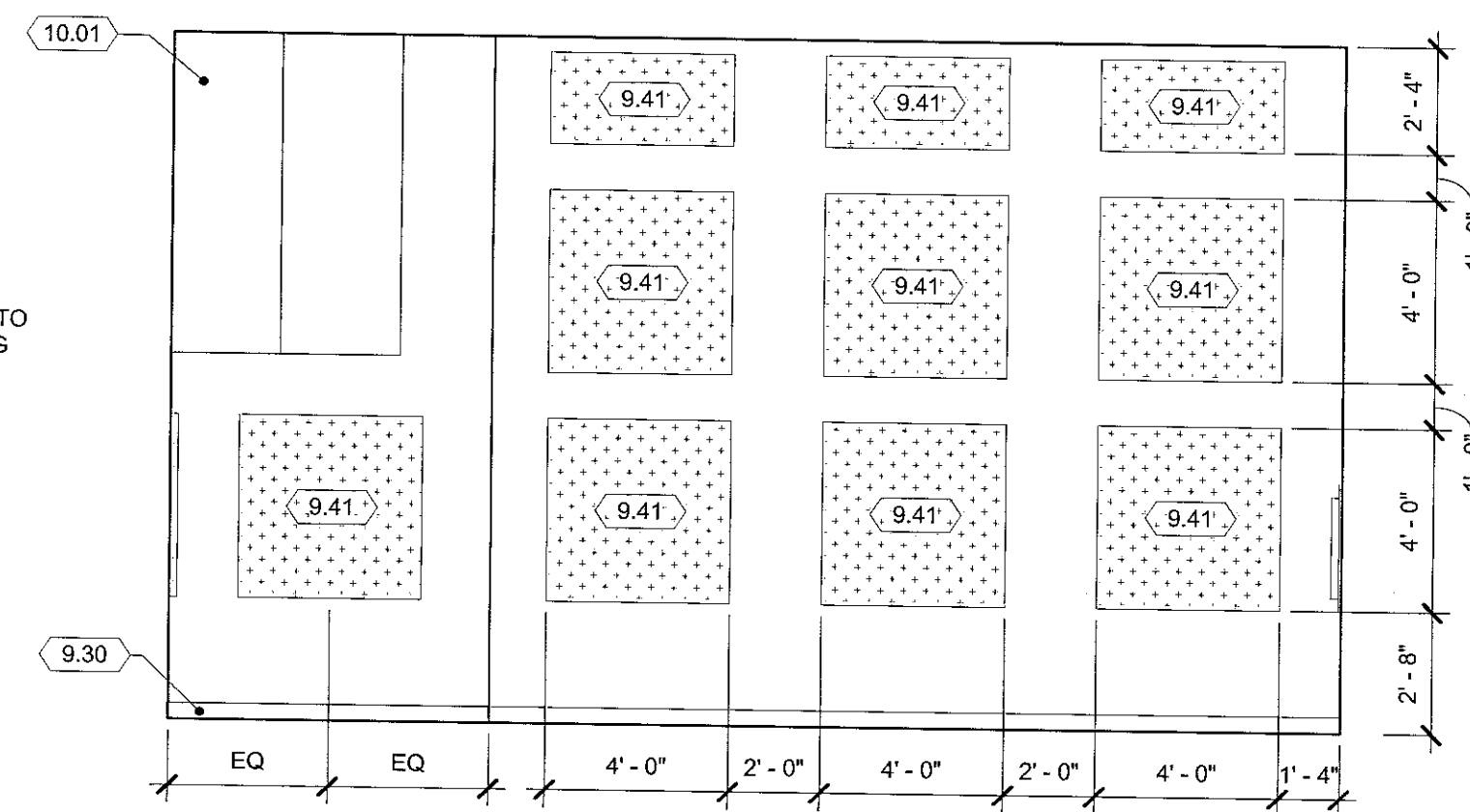
2 SCENERY A209 E
1/4" = 1'-0"



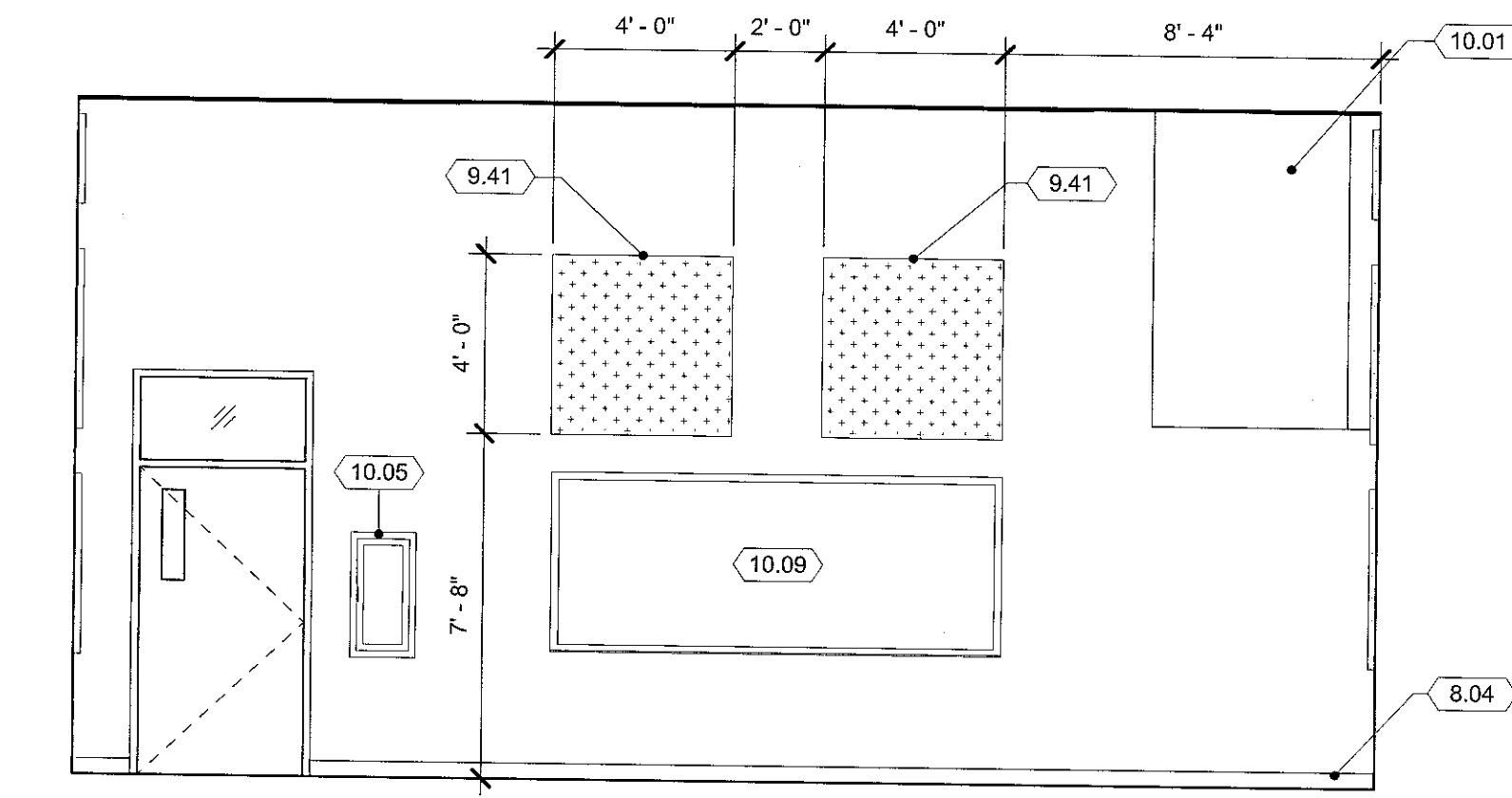
1 SCENERY A209 S
1/4" = 1'-0"



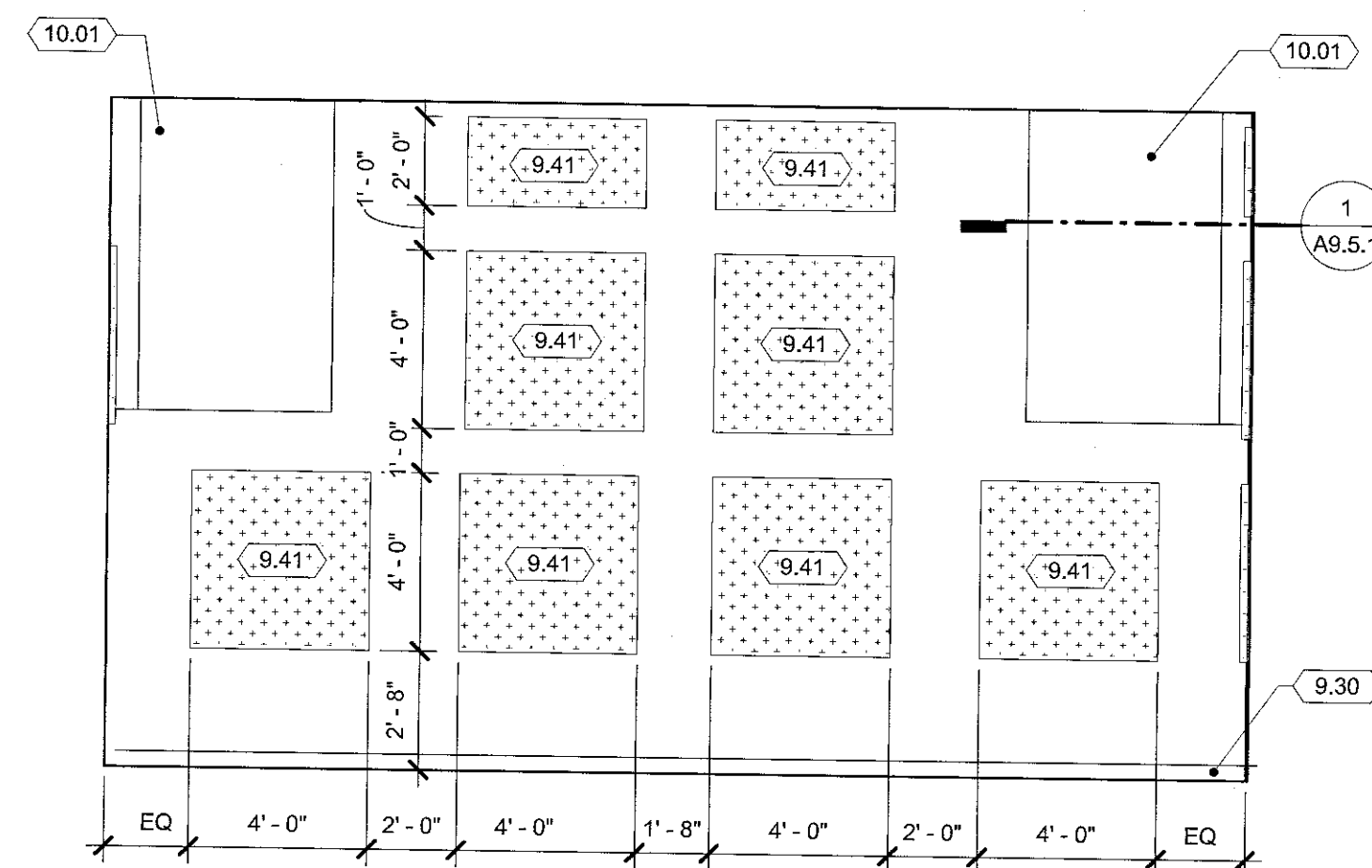
6 SCENERY A209 W
1/4" = 1'-0"



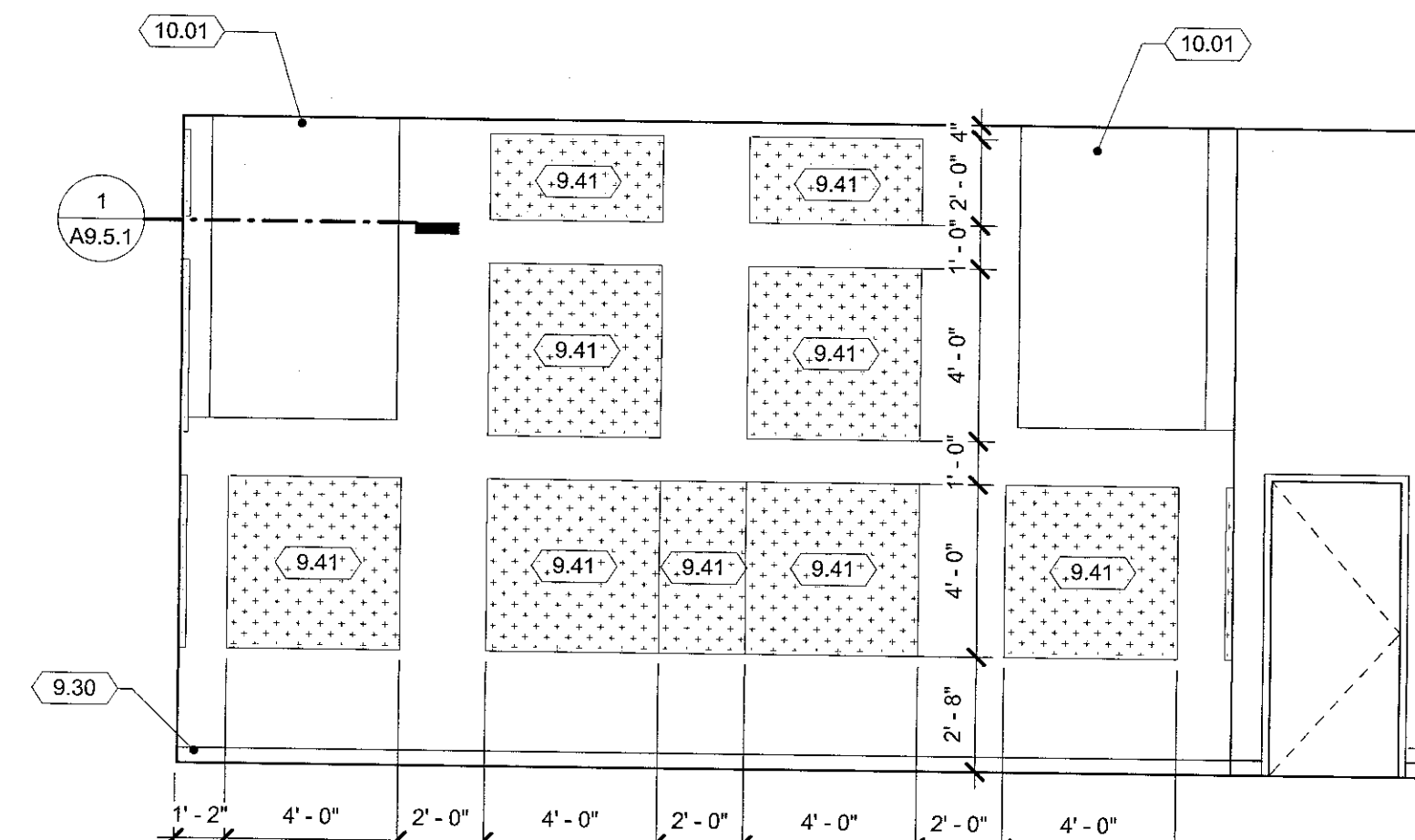
5 "DRUM" ROOM A295 N
1/4" = 1'-0"



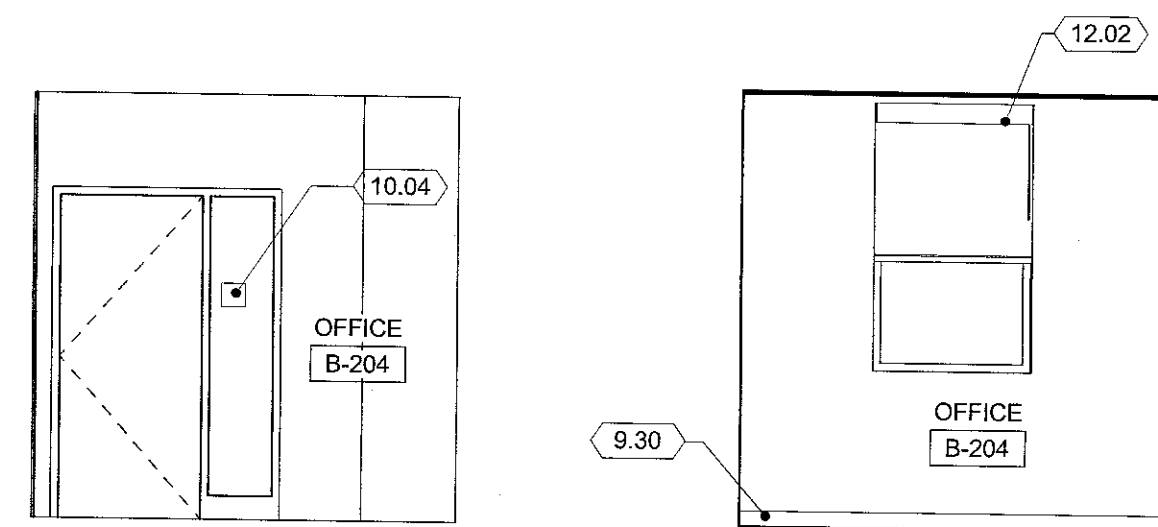
4 "DRUM" ROOM A295 E
1/4" = 1'-0"



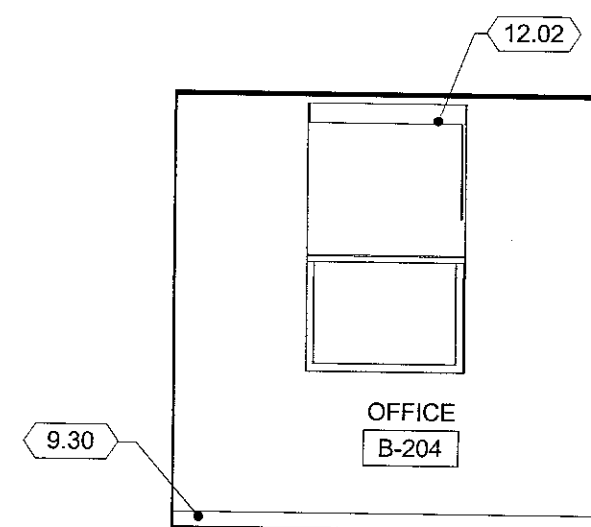
8 "DRUM" ROOM A295 S
1/4" = 1'-0"



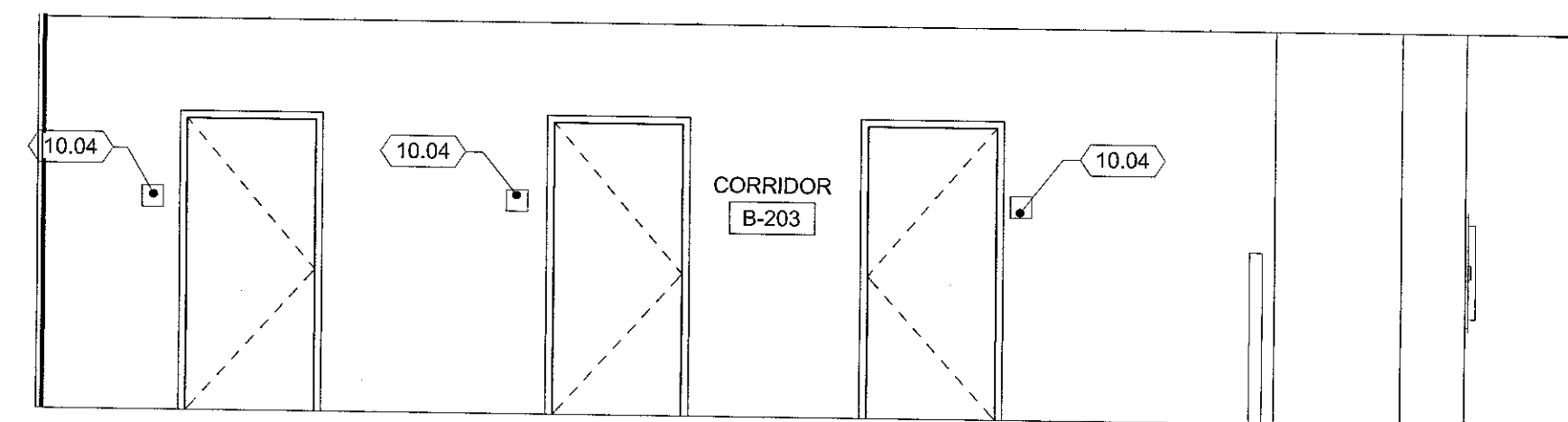
7 "DRUM" ROOM A295 W
1/4" = 1'-0"



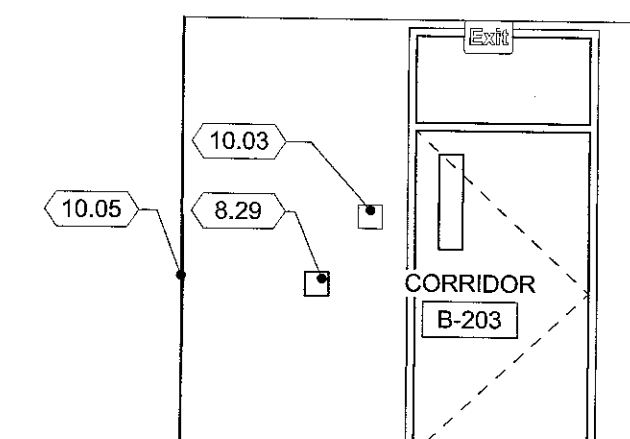
13 OFFICE B204 W
1/4" = 1'-0"



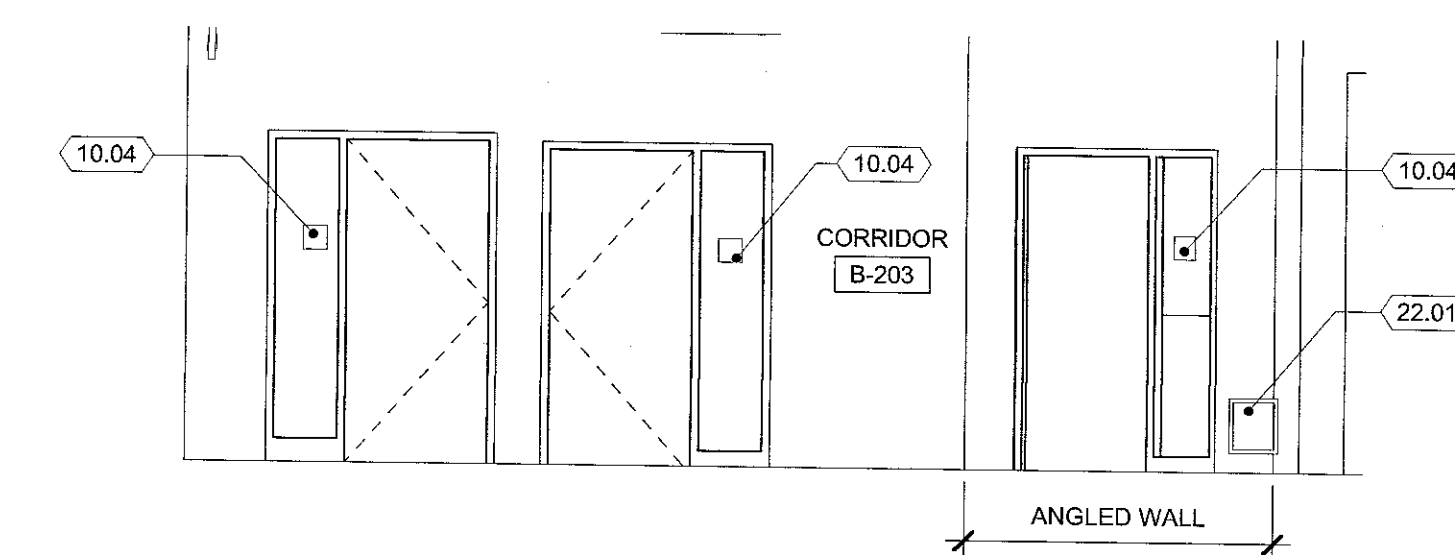
12 OFFICE B204 E
1/4" = 1'-0"



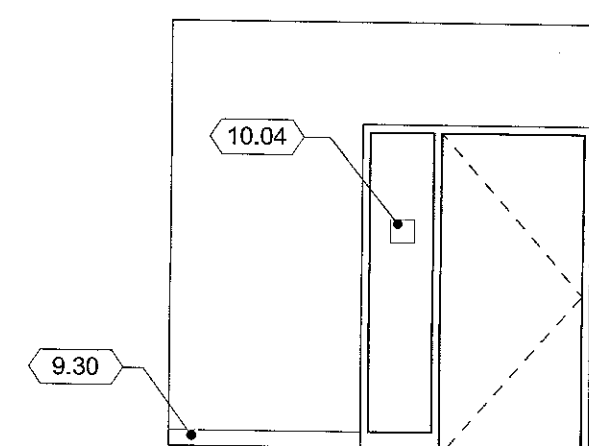
11 CORRIDOR B203
1/4" = 1'-0"



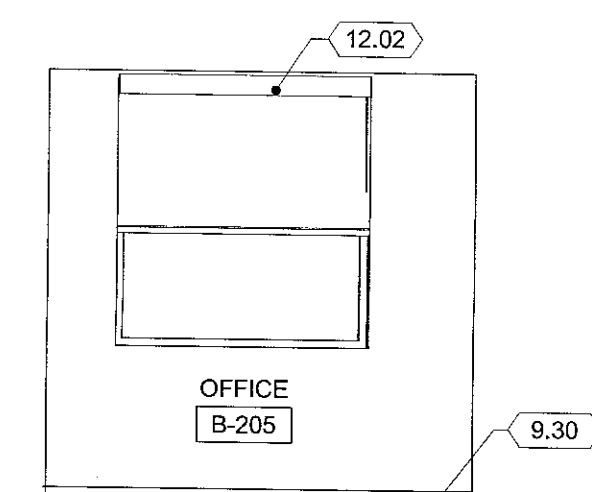
10 CORRIDOR B203 N
1/4" = 1'-0"



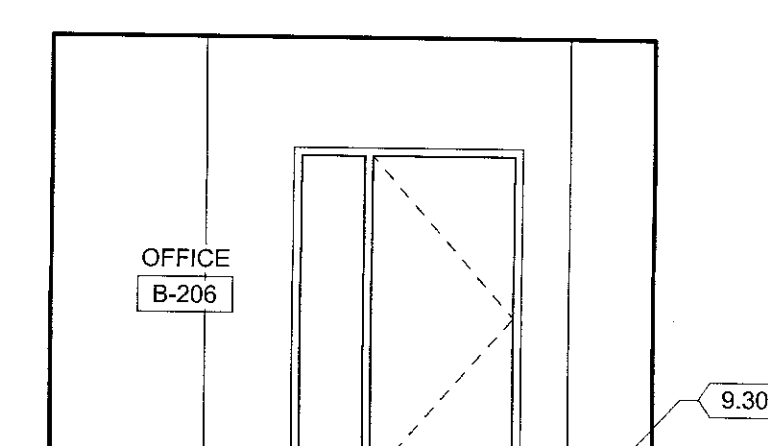
9 CORRIDOR B203 E
1/4" = 1'-0"



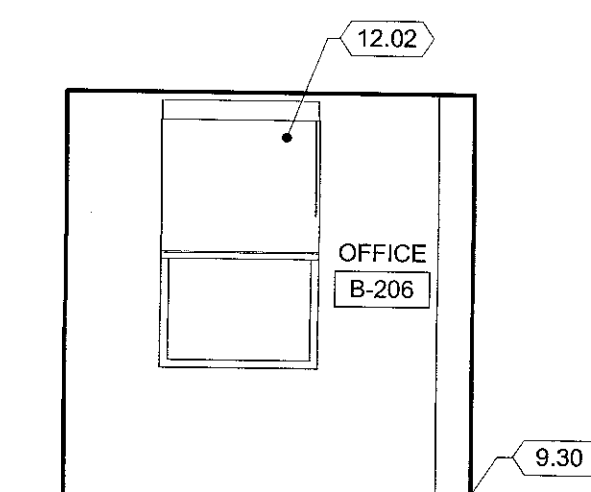
17 OFFICE B205 W
1/4" = 1'-0"



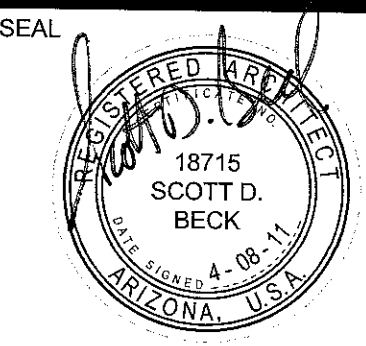
16 OFFICE B205 E
1/4" = 1'-0"



15 OFFICE B206 W
1/4" = 1'-0"



14 OFFICE B206 E
1/4" = 1'-0"



EXPIRES 03-31-2014

PROJECT
CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE
INTERIOR ELEVATIONS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
CP			CP	2010-0318-00
CHECKED BY			DATE	
STAFF			04/08/11	
DRAWING NO.				

A7.1.1

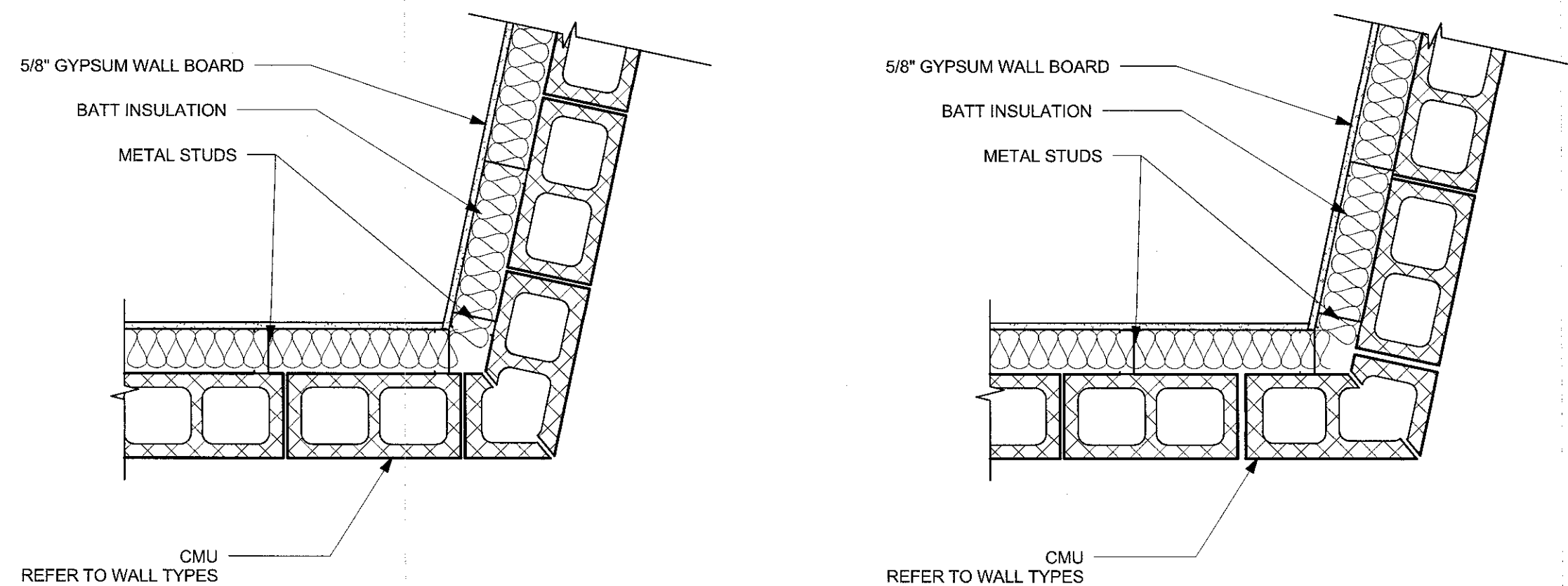
Diagram illustrating the relationship between door/window heights and masonry heights for two buildings, Building B and Building A.

Building B: Total height is 8'-0". The window height is 4'-8". The masonry height is 3'-4".

Building A: Total height is 10'-0". The window height is 3'-8". The masonry height is 6'-4".

The diagram shows that the masonry height is determined by the window height and the total building height. For Building B, the masonry height is 3'-4" (8'-0" total height minus 4'-8" window height). For Building A, the masonry height is 6'-4" (10'-0" total height minus 3'-8" window height).

1 DOOR/ WINDOW AND MASONRY RELATIONSHIP

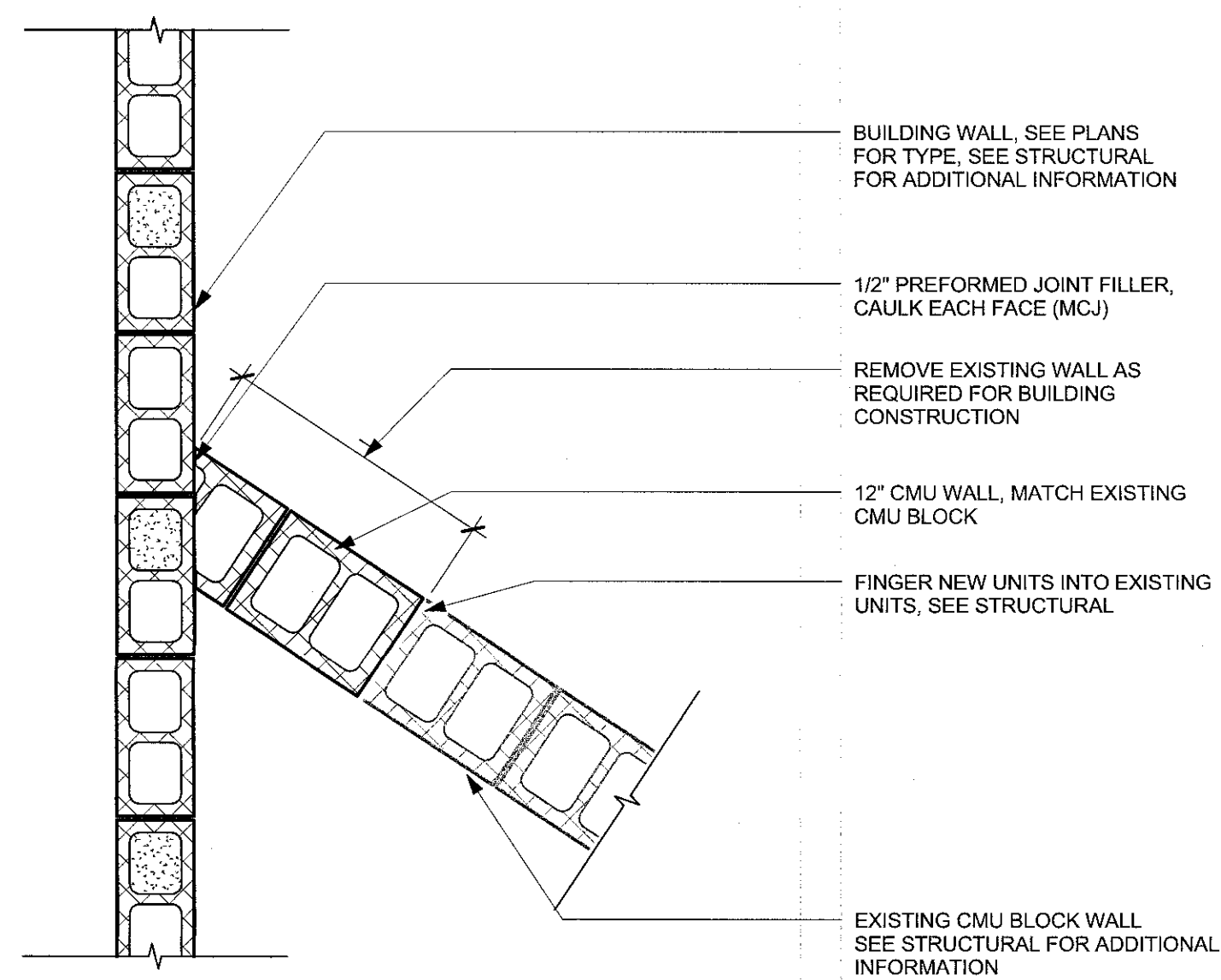


CMU COURSE 'A'
HALF BLOCK COURSE

CMU COURSE 'B'
WHOLE BLOCK COURSE

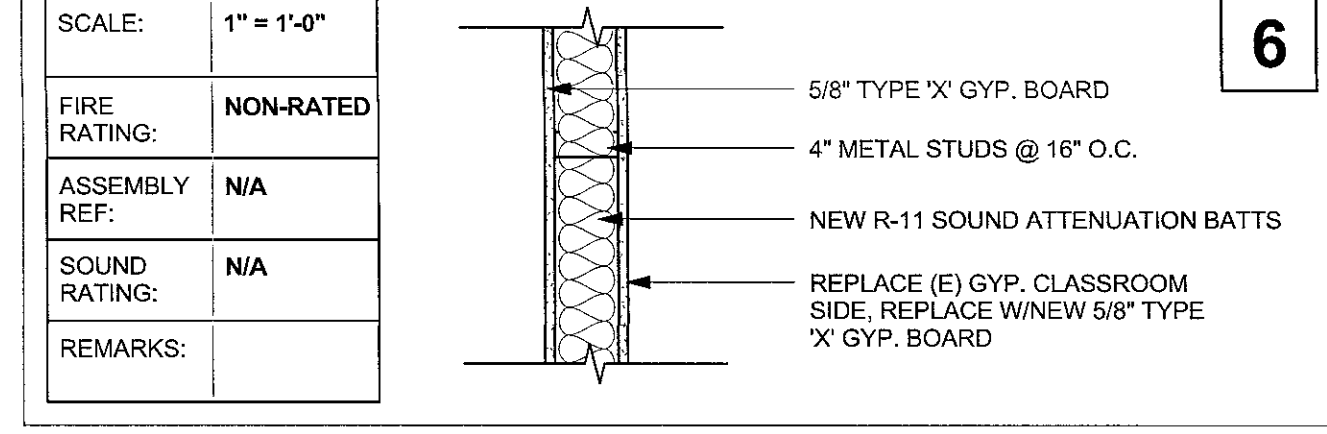
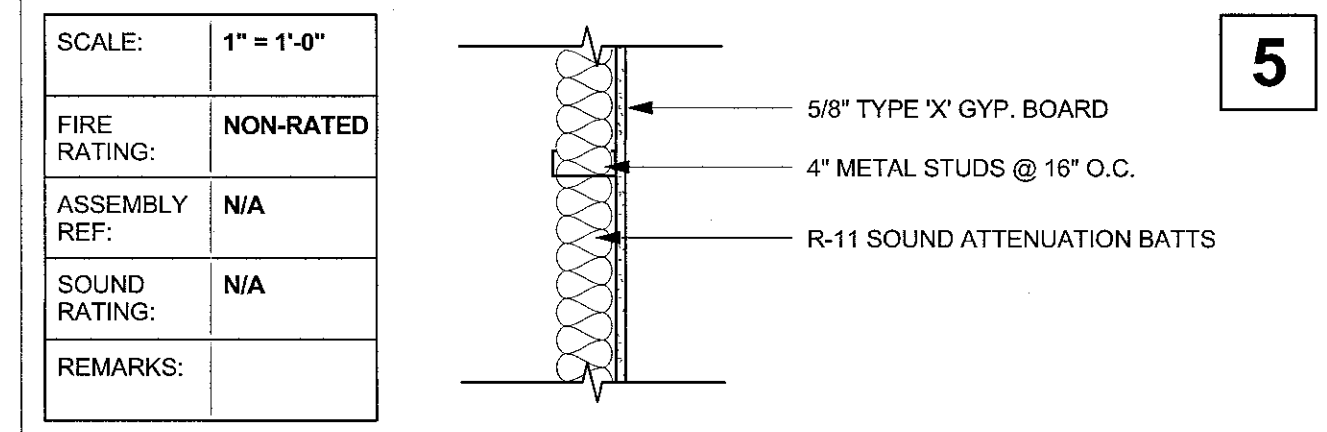
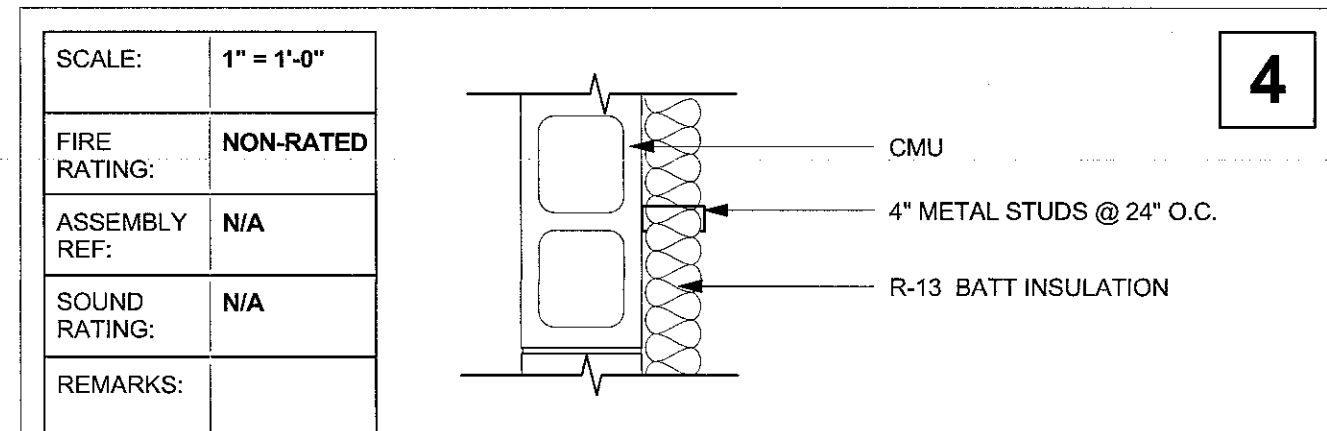
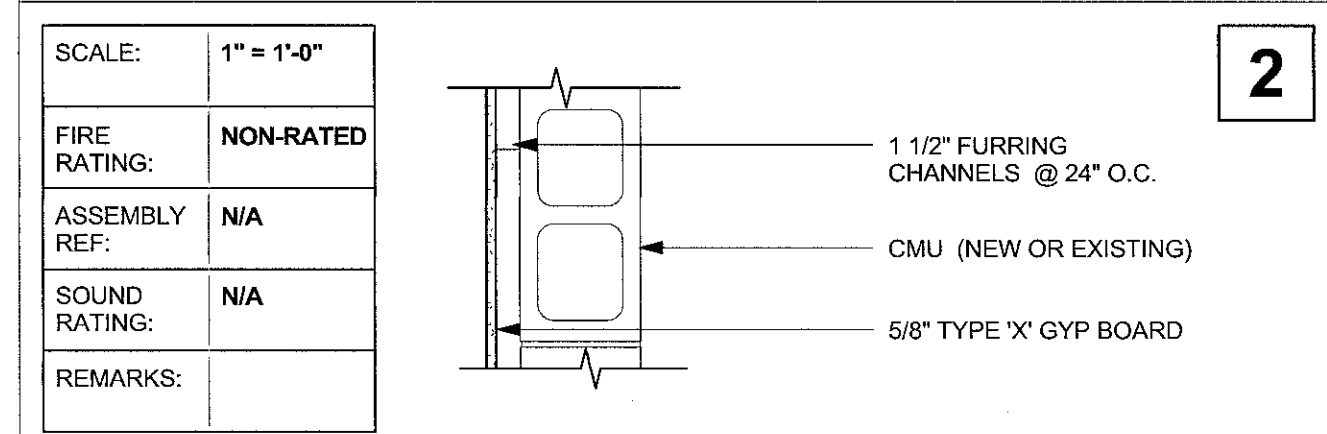
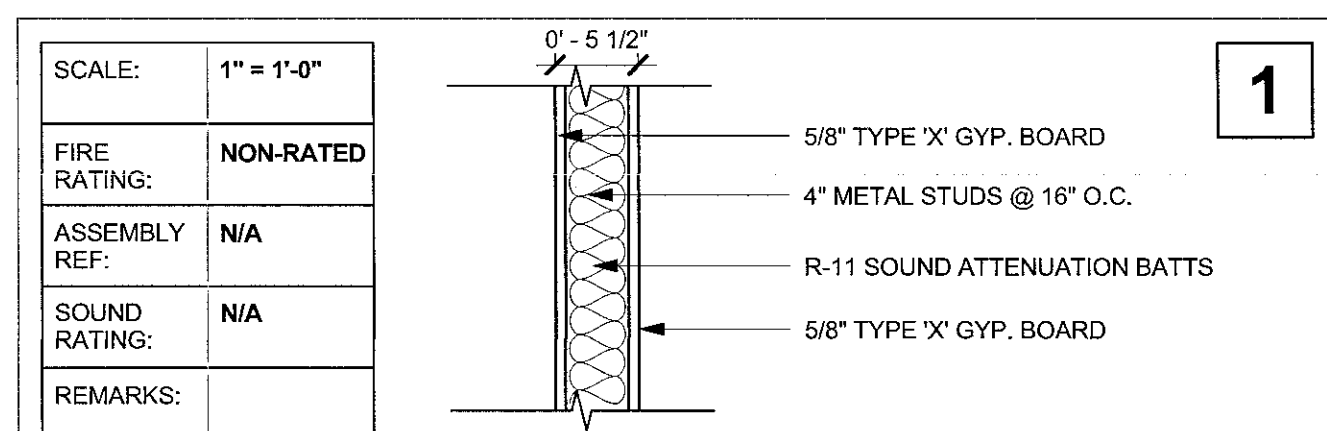
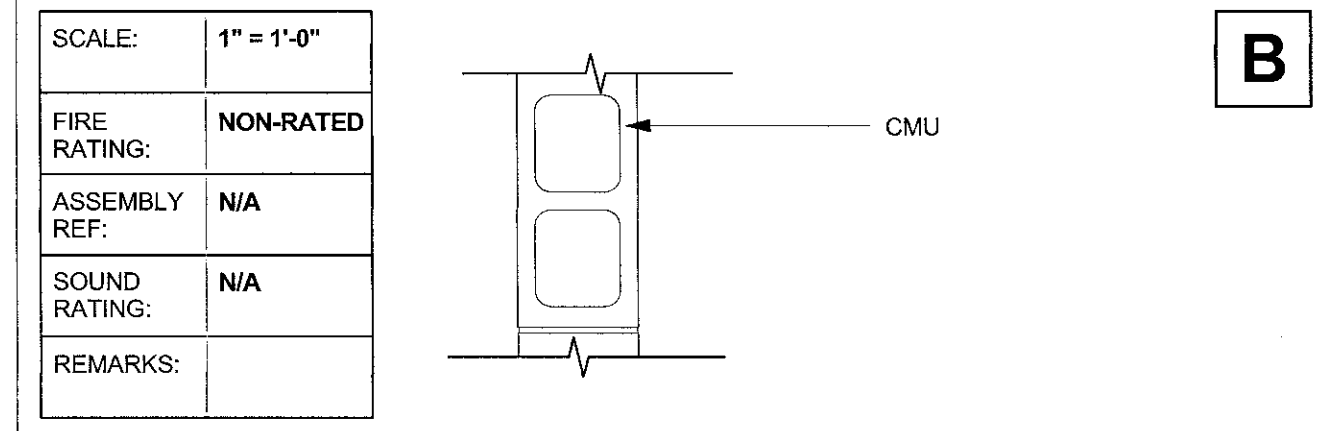
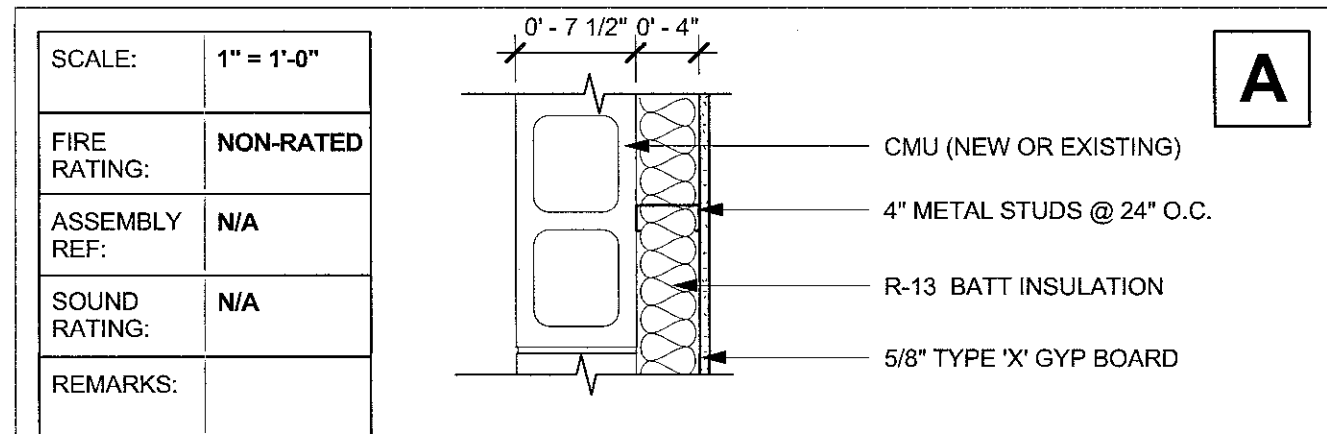
2 MASONRY CORNER - DETAIL

1" = 1'-0"



3 WL-SITE WALL AT BLDG

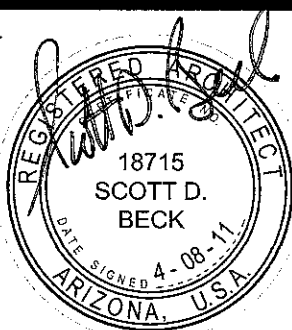
3/4" = 1'-0"



GENERAL NOTES

- PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES & AT CEILINGS AT 10'-0" INTERVALS.
- INTERIOR METAL STUDS SHALL BE 20 GA EXCEPT IN WALLS WITH CASEWORK, ELECTRICAL PANELS, WALL HUNG PLUMBING FIXTURES & WHERE OTHERWISE NOTED. AT THESE LOCATIONS METAL STUDS SHALL BE 16 GA.
- ALL GYPSUM BOARD EXTENDS TO DECK UNO.
- ALL GYPSUM BOARD SHEETS TO RUN VERTICALLY.
- NO JOINTS EXCEPT AT STUDS.
- ALL SCREWS SHALL PENETRATE STUDS.
- 1/2" CEMENTITIOUS TILE BACKER BOARD AT PORTIONS OF WALLS WITH CERAMIC TILE.

SEAL



EXPIRES 03-31-2014

PROJECT CFSD HIGH SCHOOL

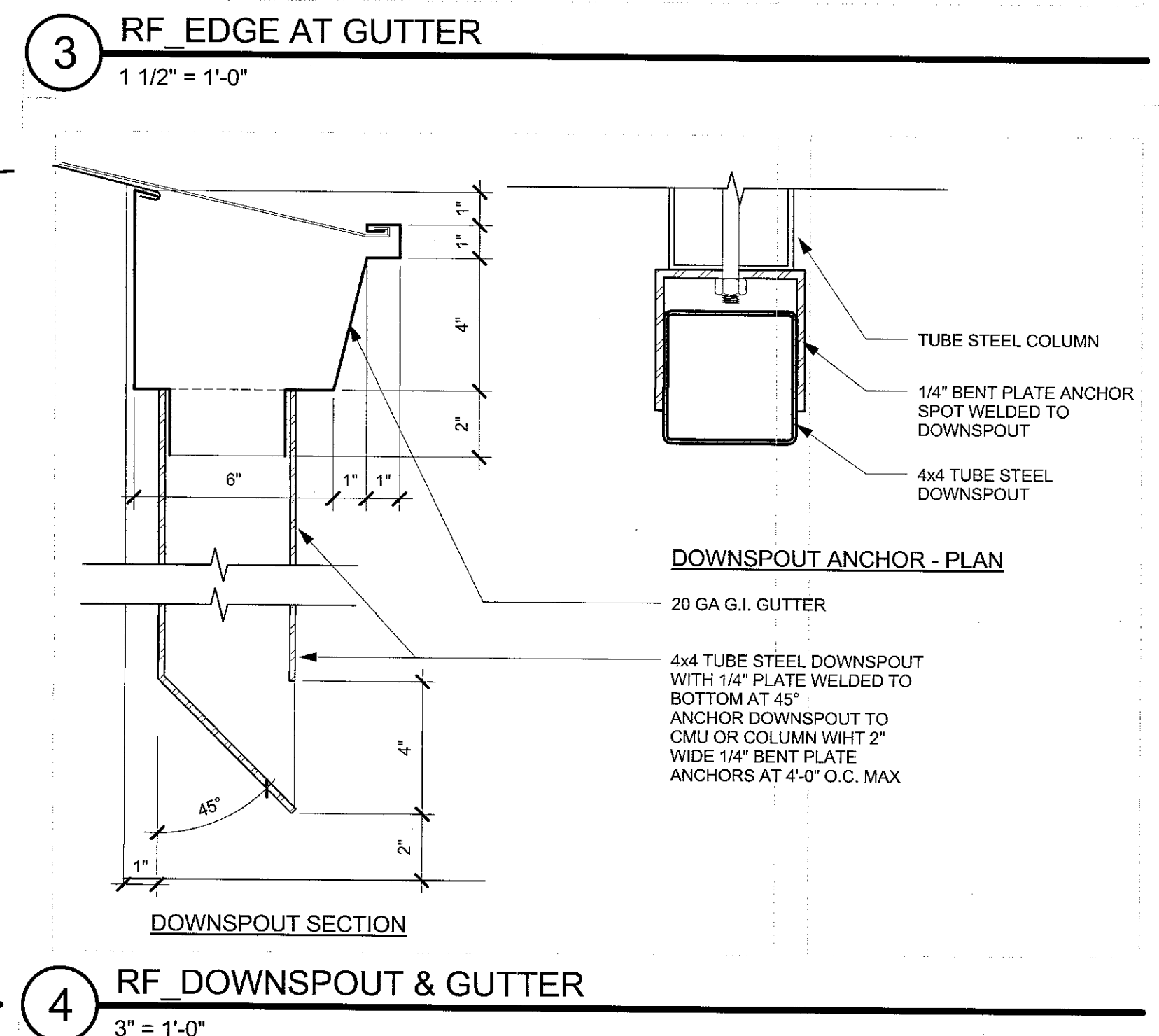
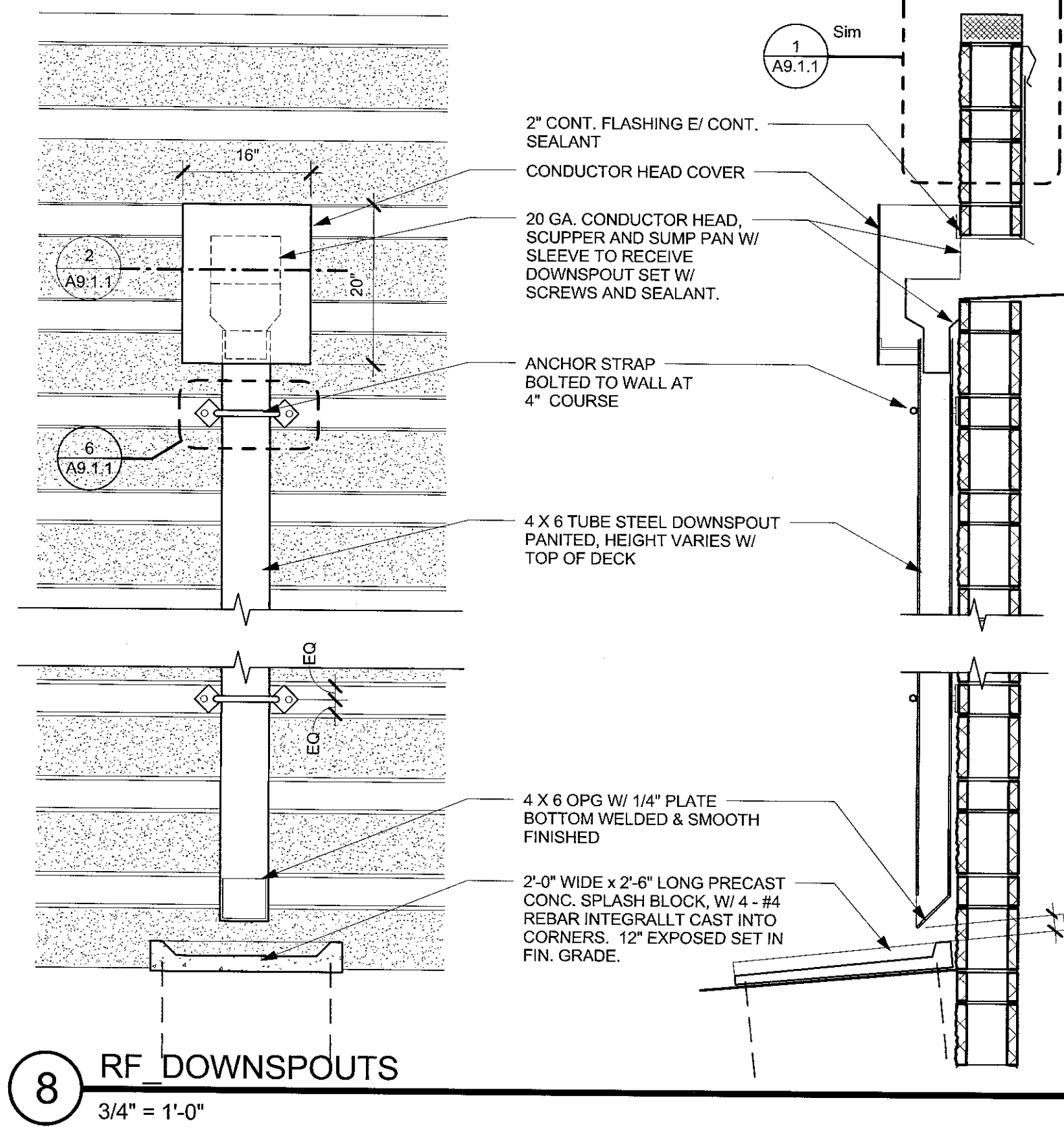
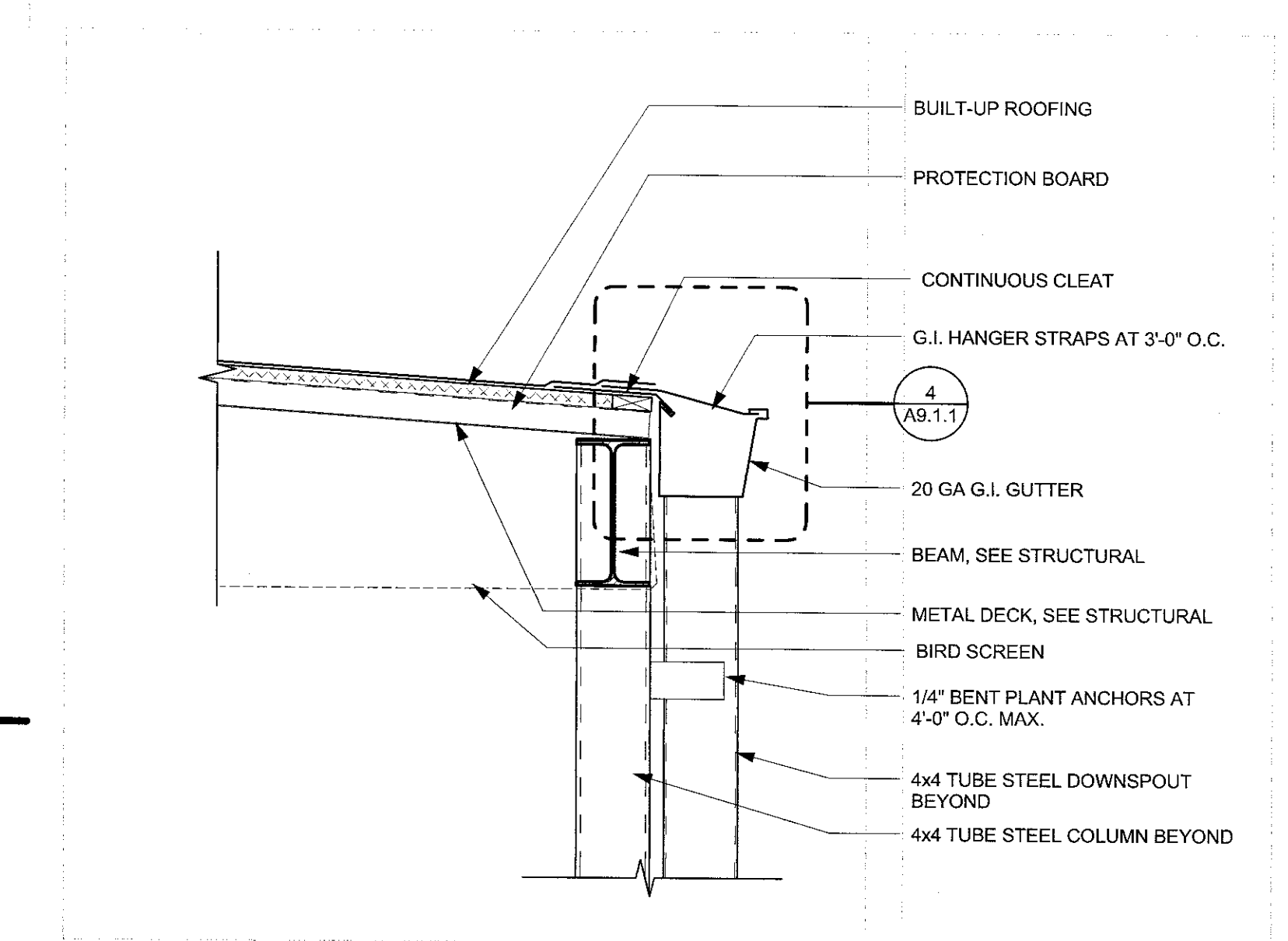
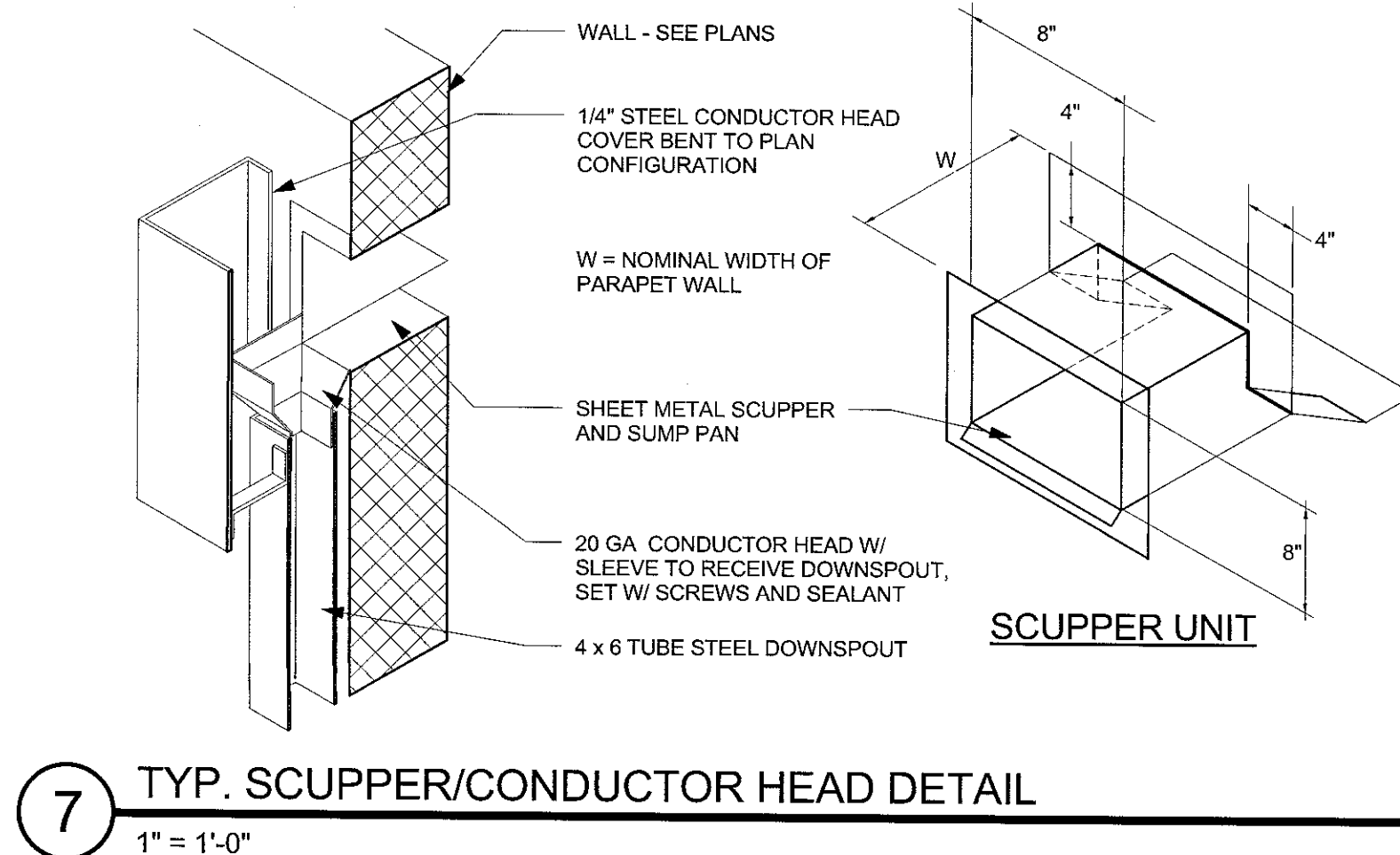
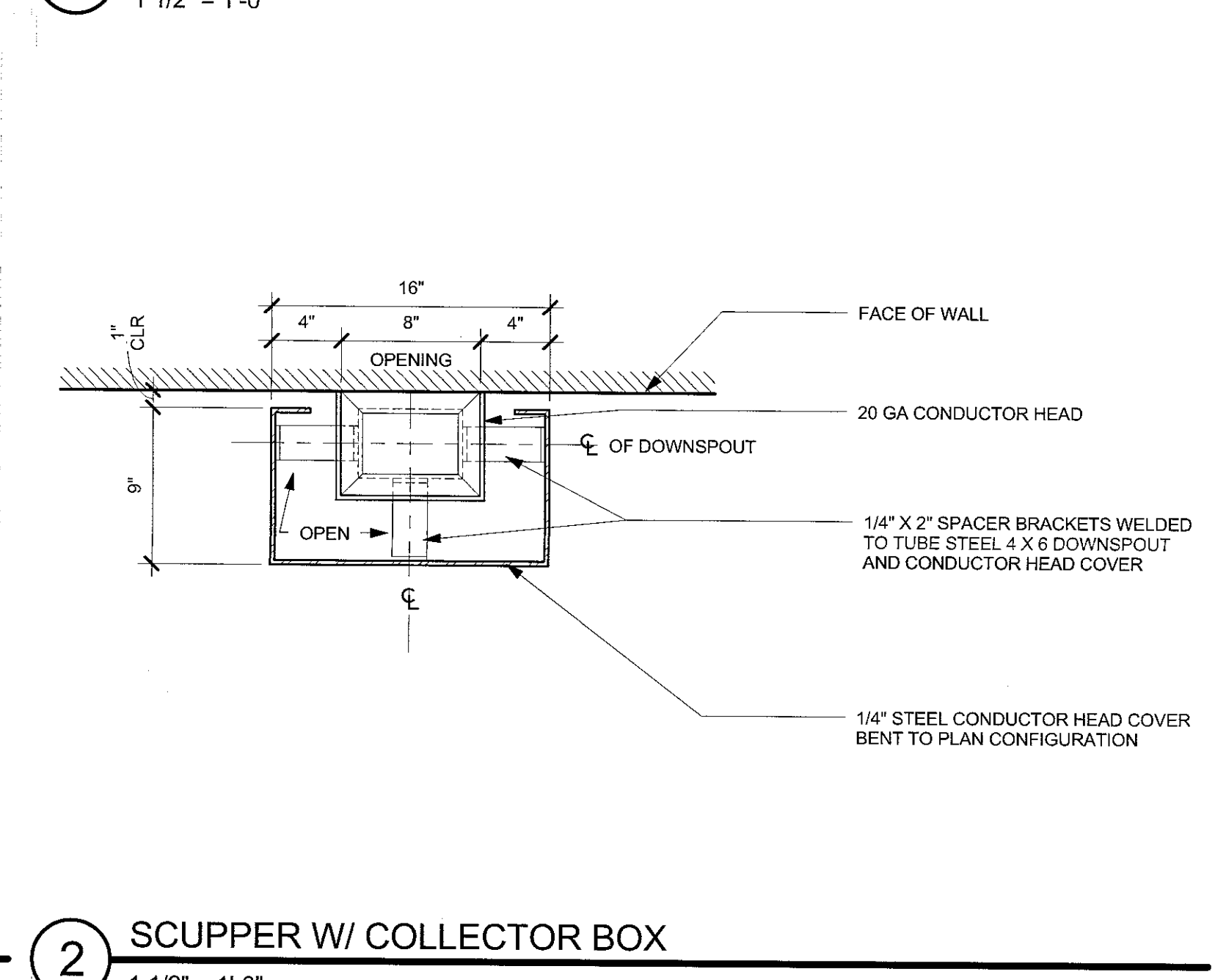
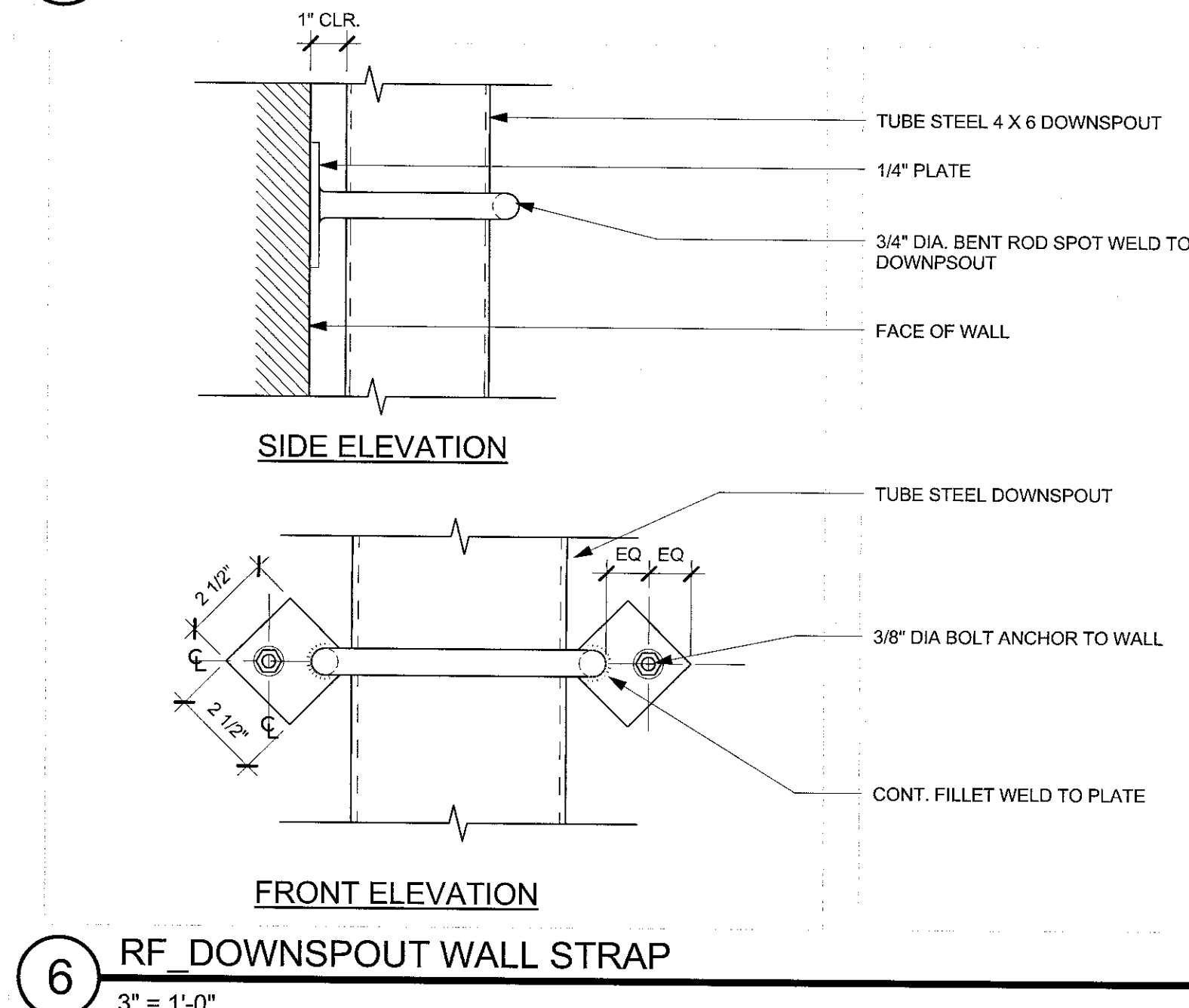
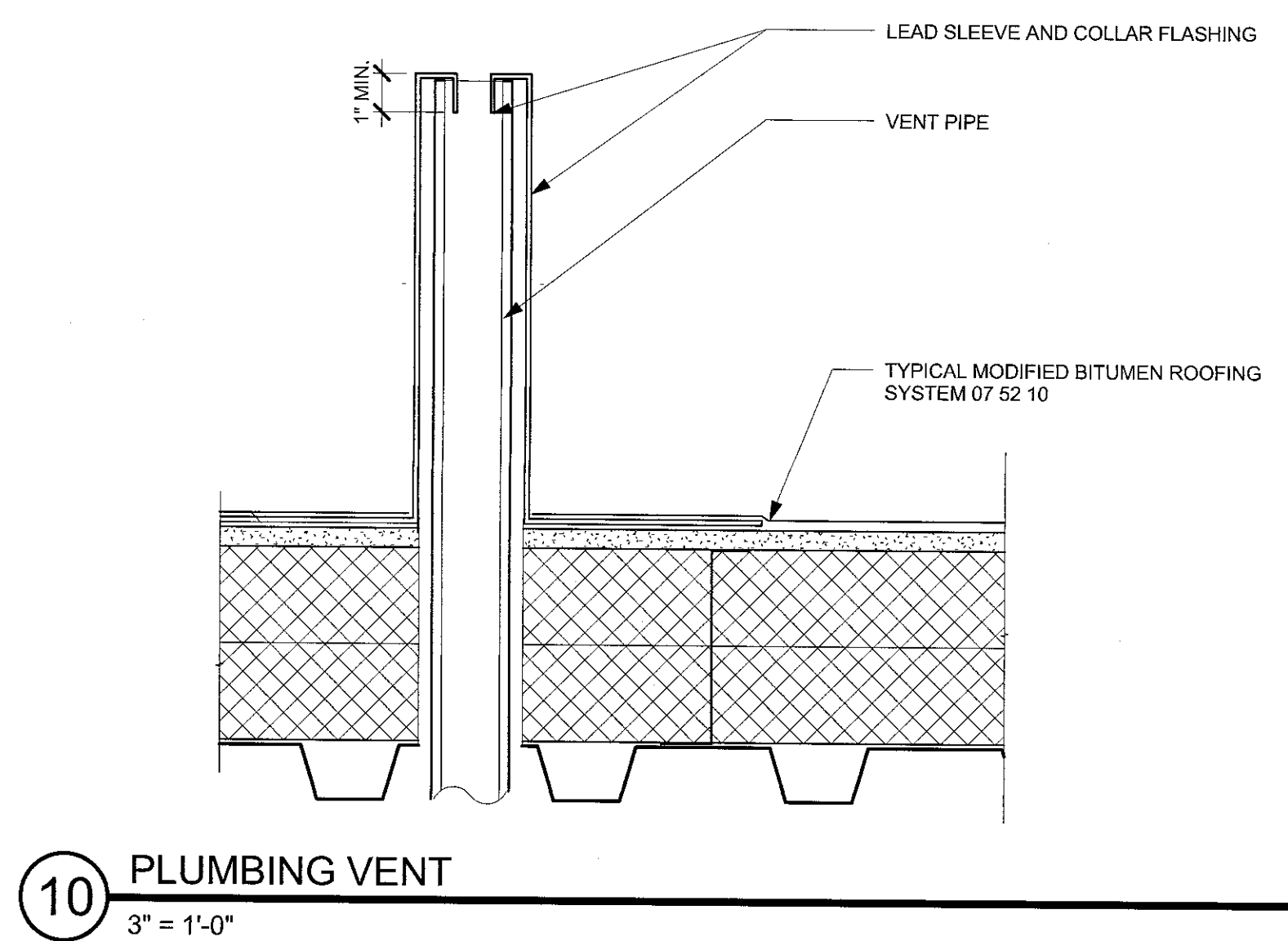
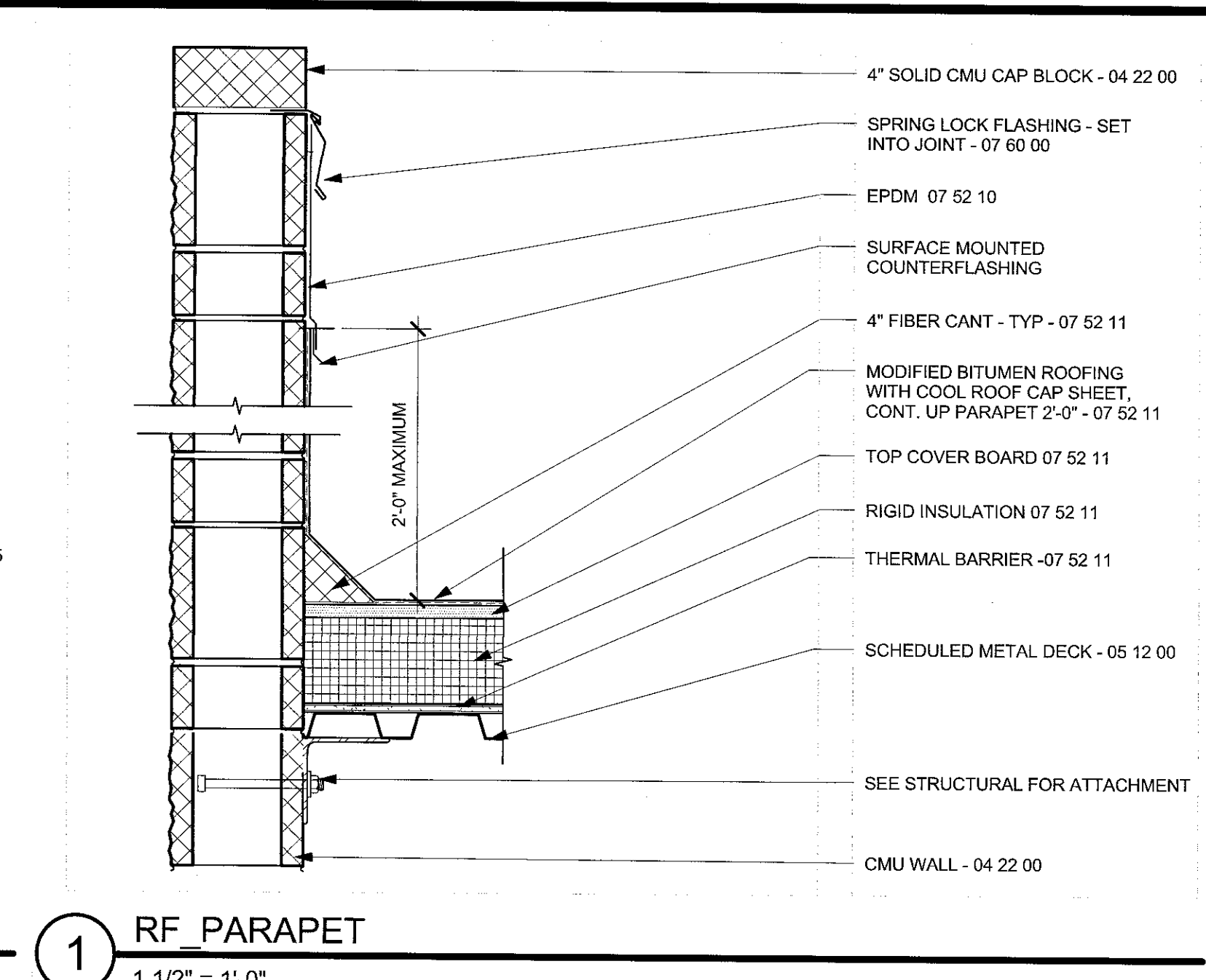
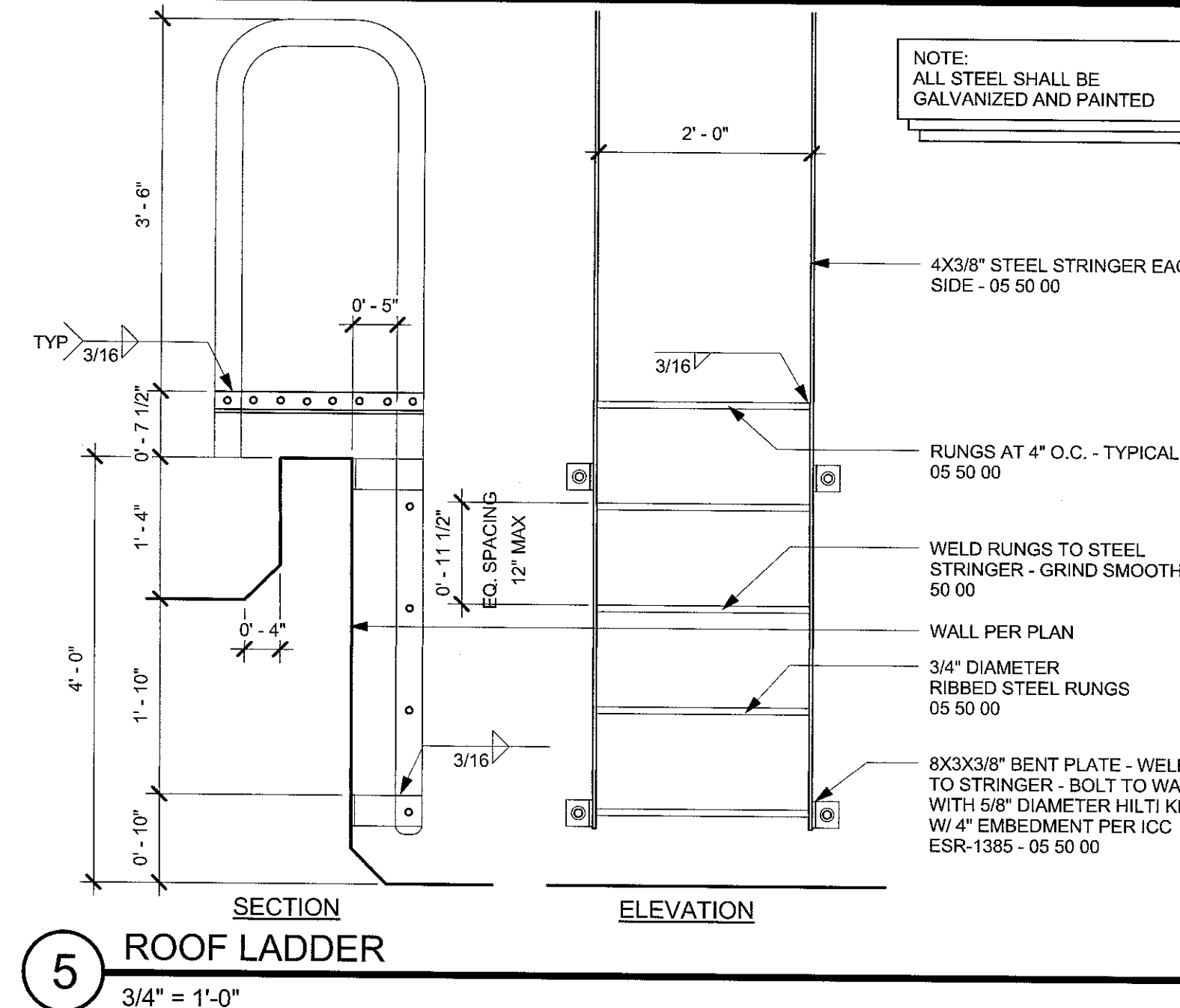
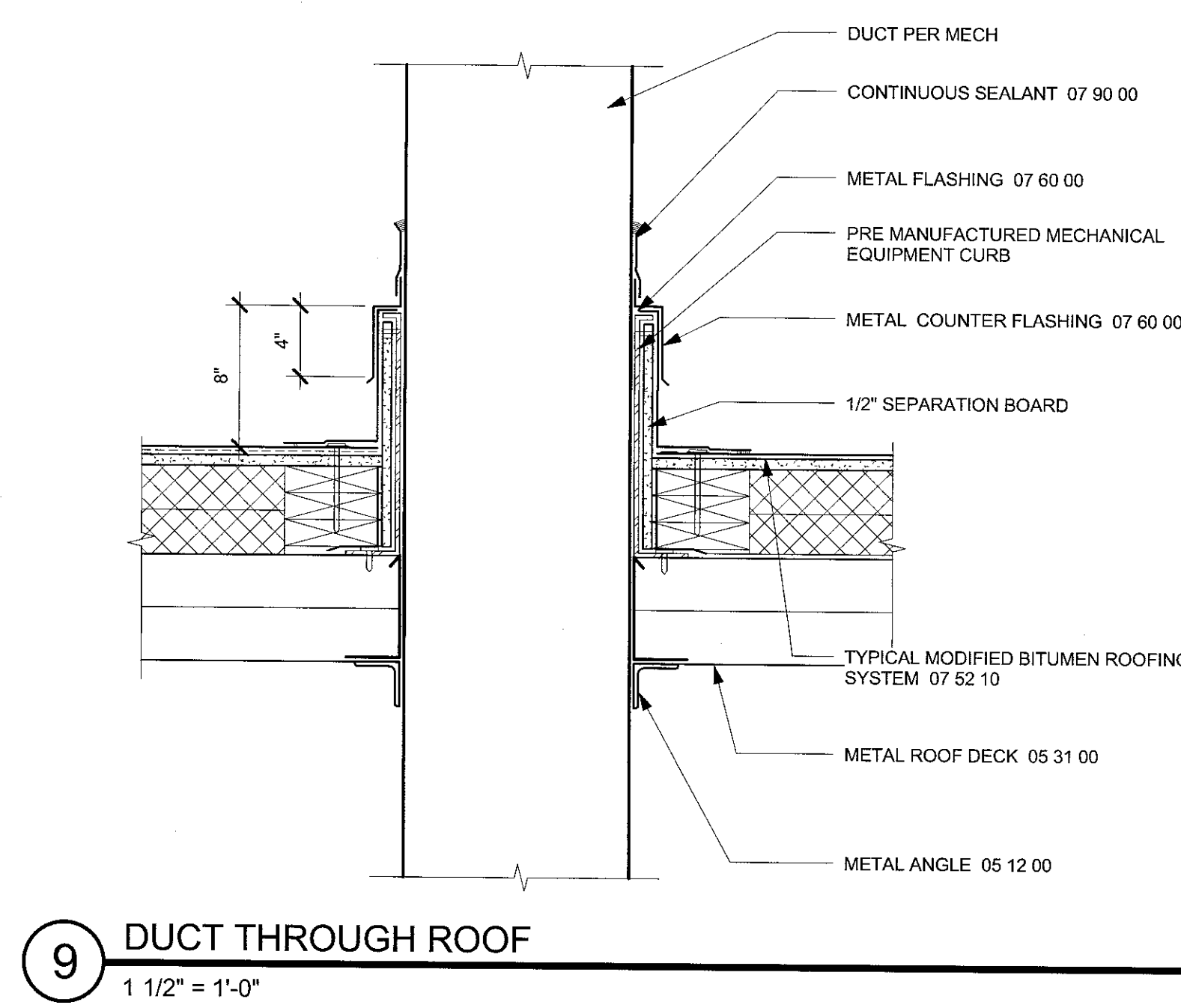
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

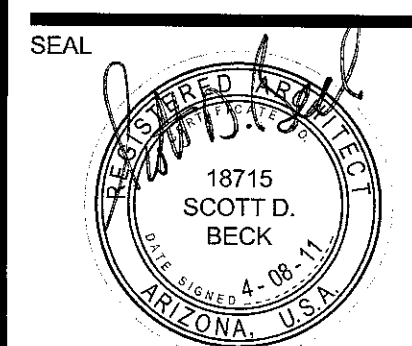
WALL TYPES

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	@ DATE
			Checker	04/08/11
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A9.0.1



GENERAL NOTES
1. SEAL ALL EXPOSED MASONRY SURFACES WITH MASONRY SEALER 09 91 00



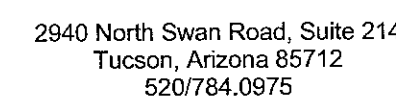
PROJECT
CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

ROOF DETAILS

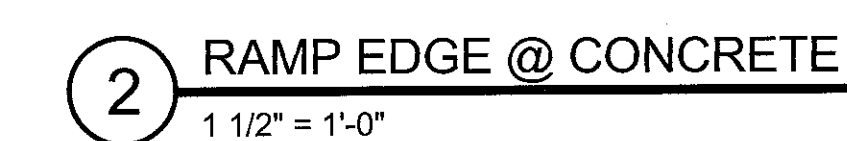
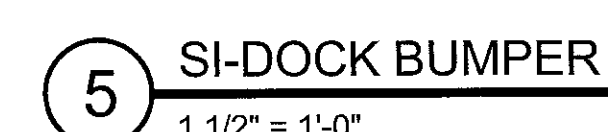
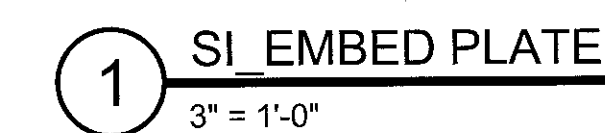
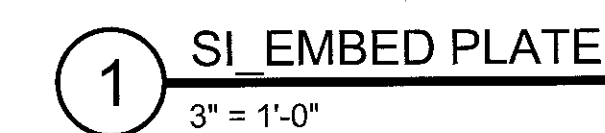
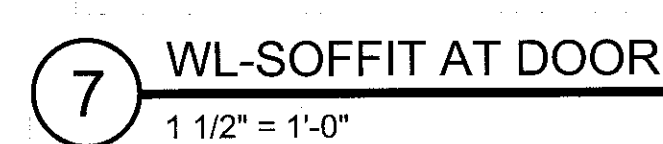
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			CHECKED BY	DATE
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			DRAWING NO.	

A9.1.1

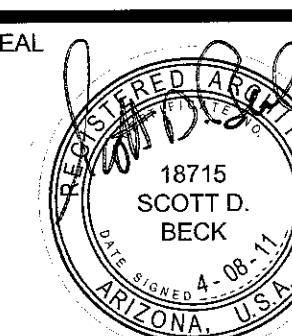


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PROJECT **CFSD HIGH SCHOOL**

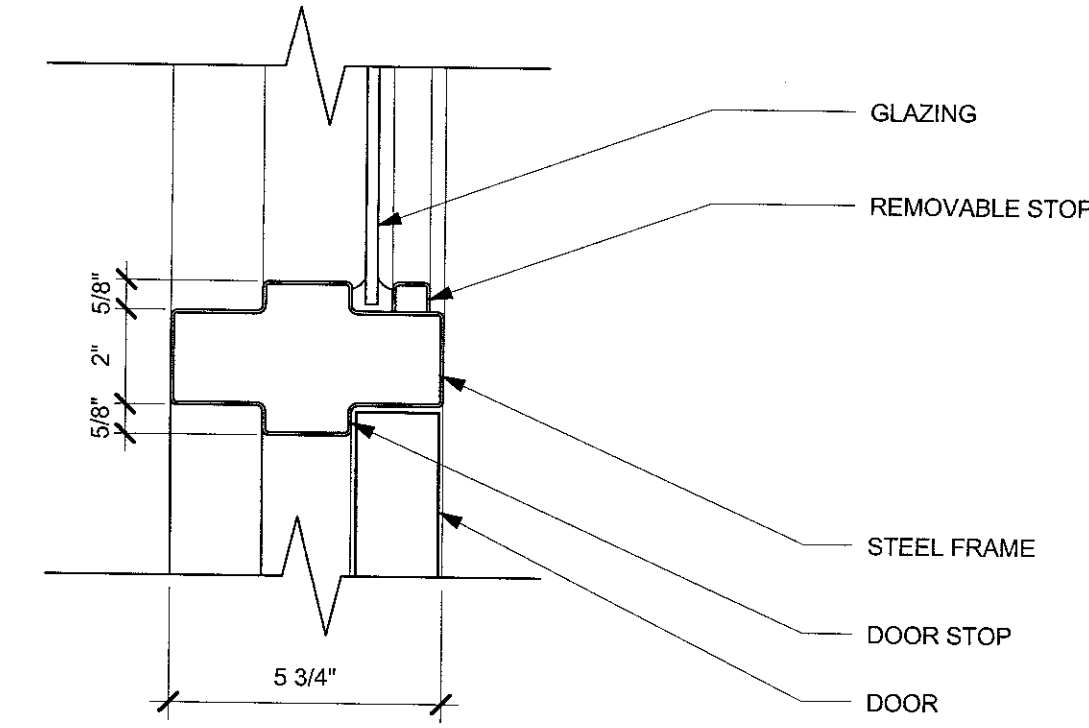
KITCHEN AND PERFORMING ARTS EXPANSION

DRAWING TITLE

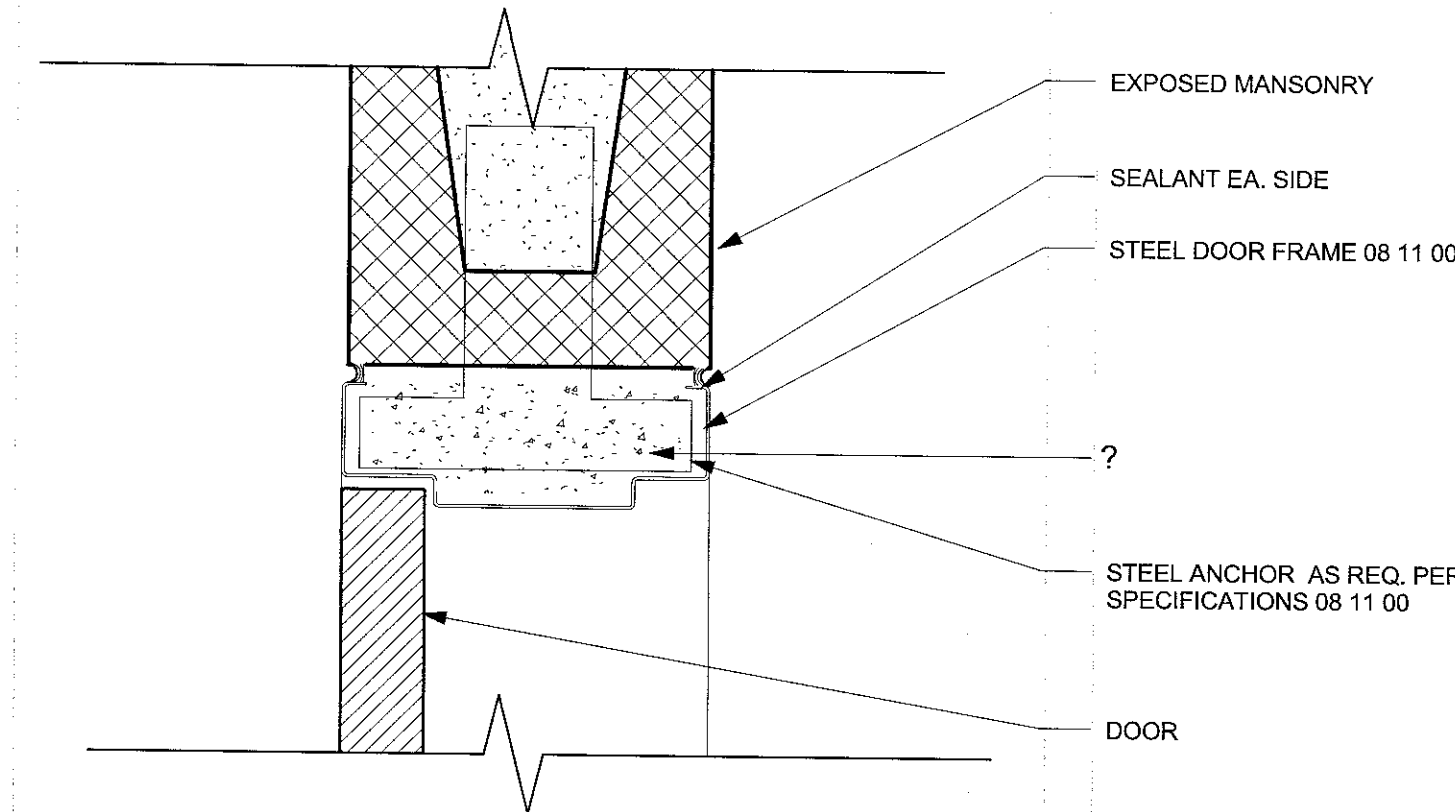
EXTERIOR DETAILS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
			CHECKED BY	DATE
			Checker	04/08/11
			DRAWING NO.	

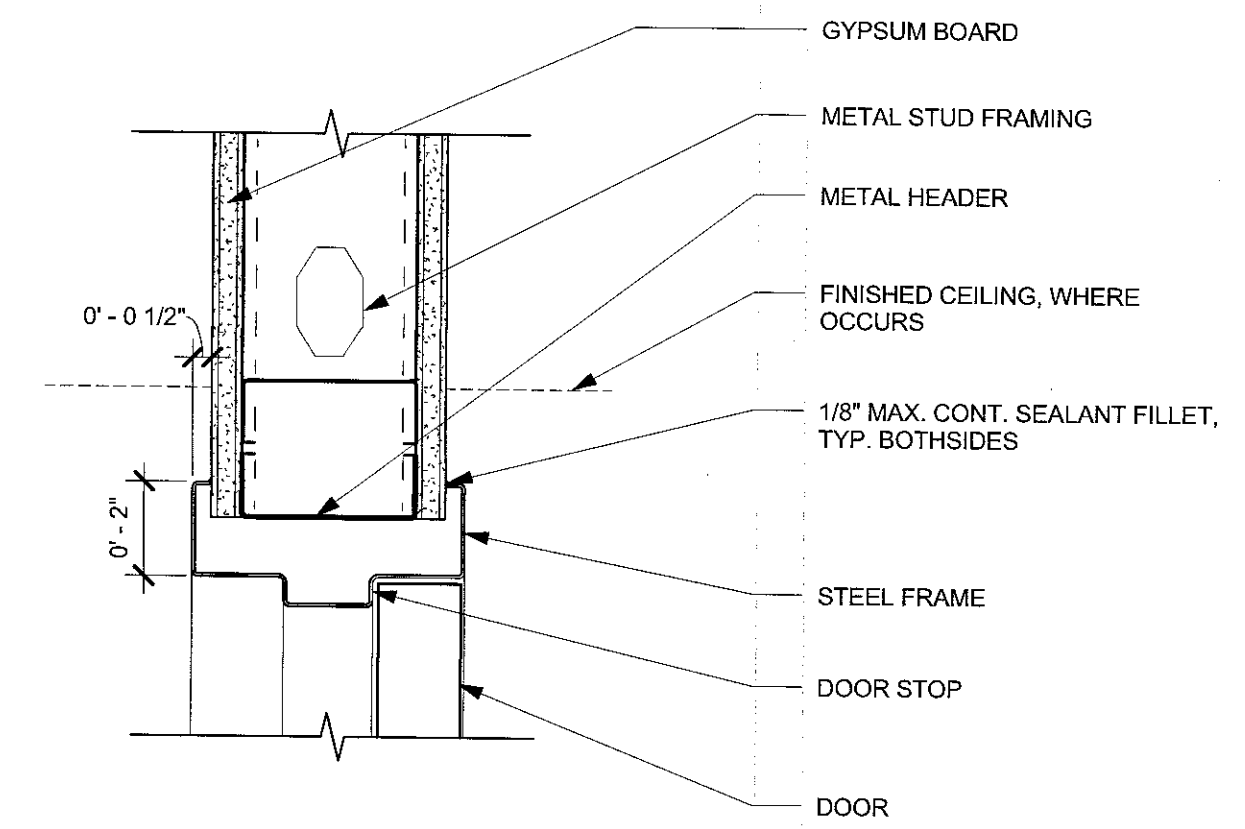
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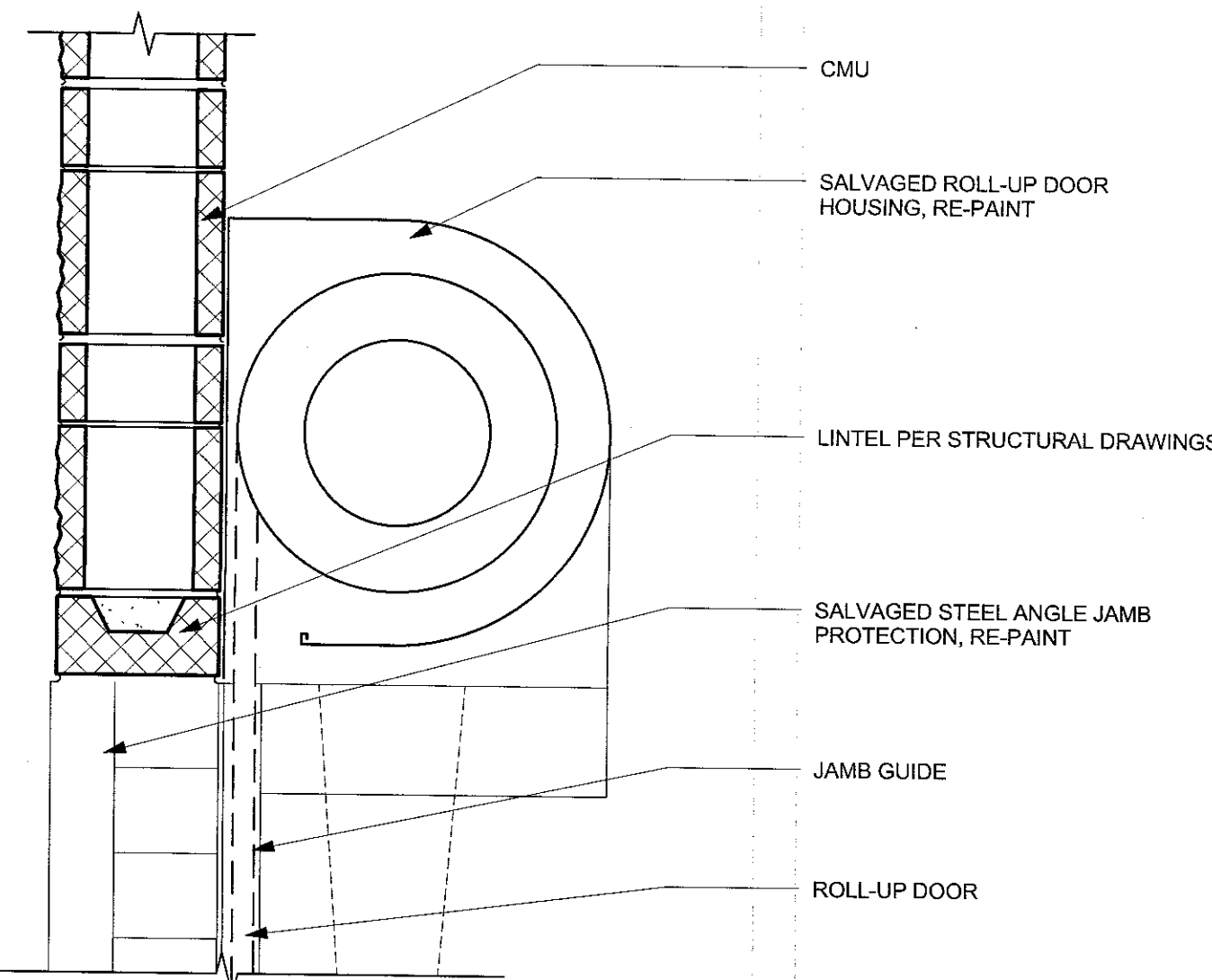
9 HOLLOW METAL FRAME - MULLION/HEAD
3" = 1'-0"



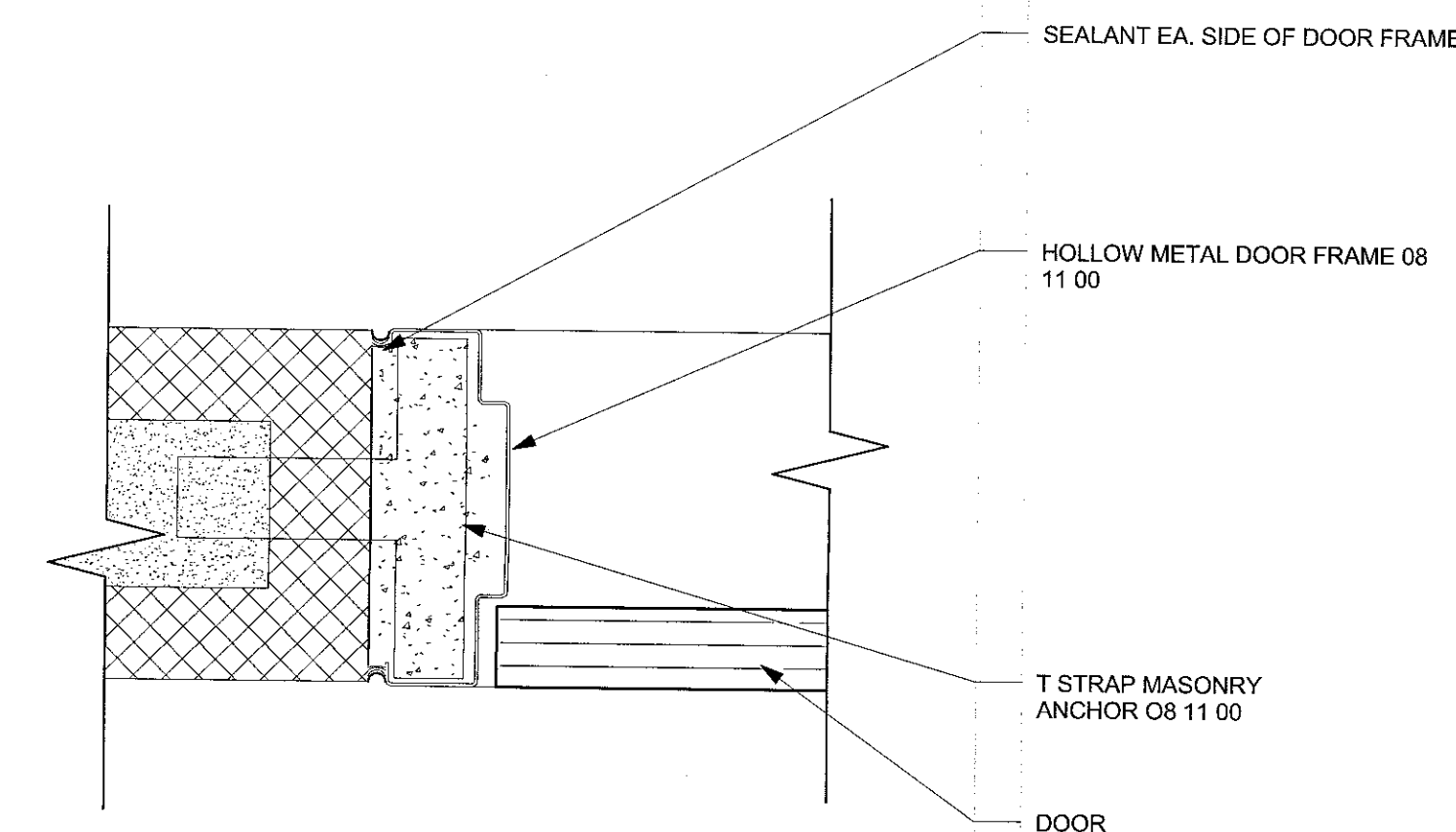
5 DOOR HEAD AT EXPOSED MASONRY
3" = 1'-0"



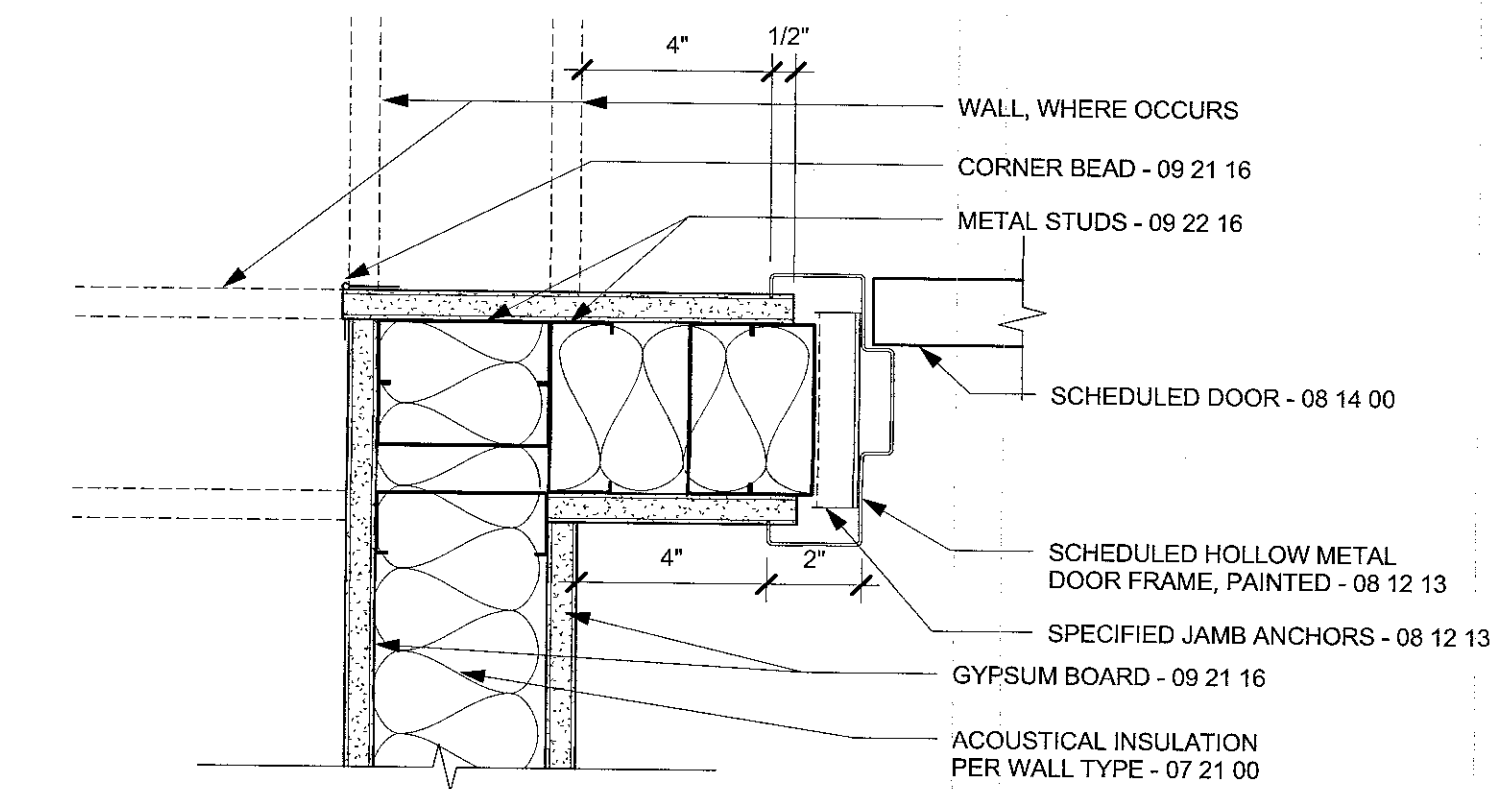
1 HOLLOW METAL DOOR FRAME - HEAD DETAIL
3" = 1'-0"



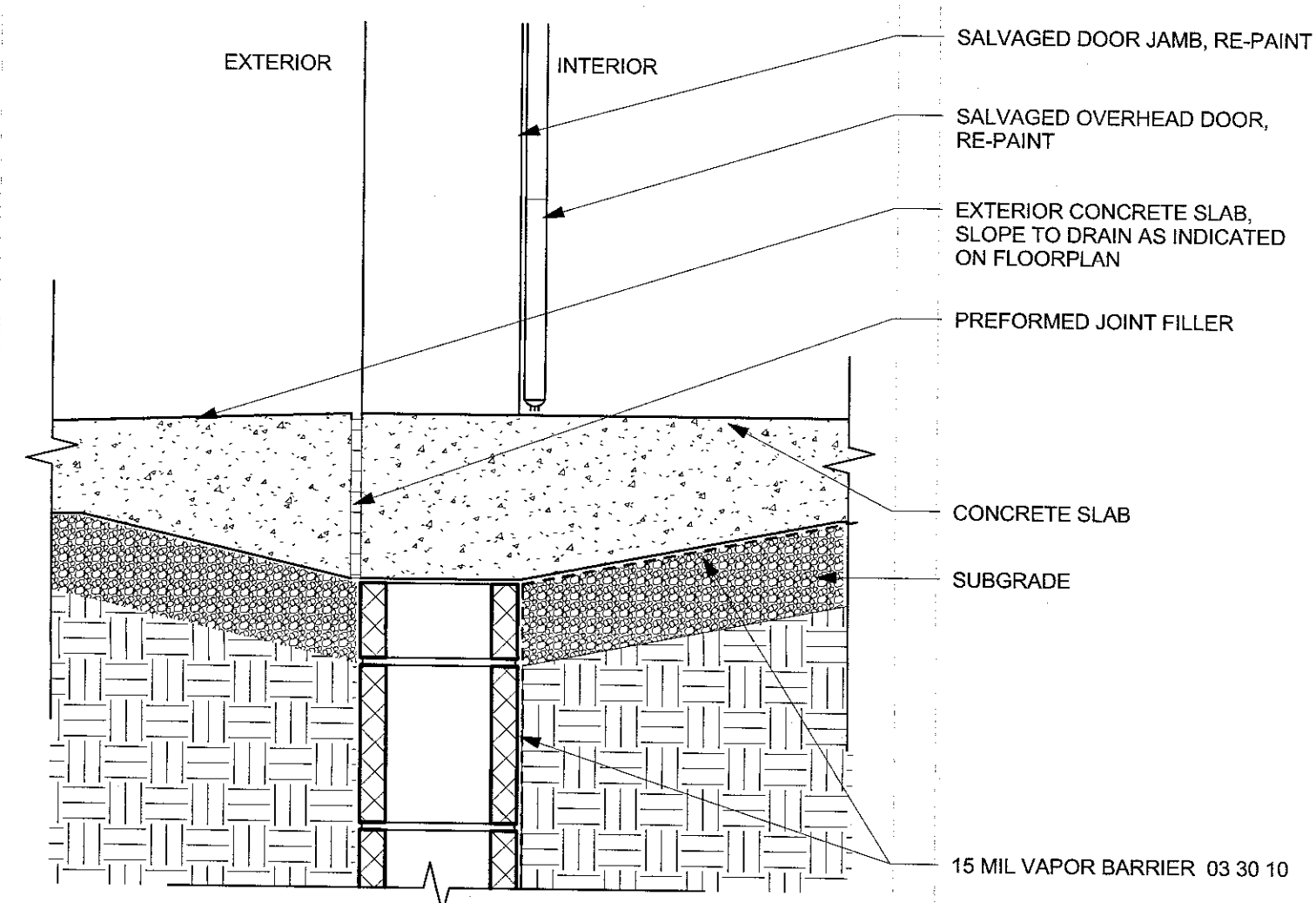
10 DR ROLL UP - HEAD
1 1/2" = 1'-0"



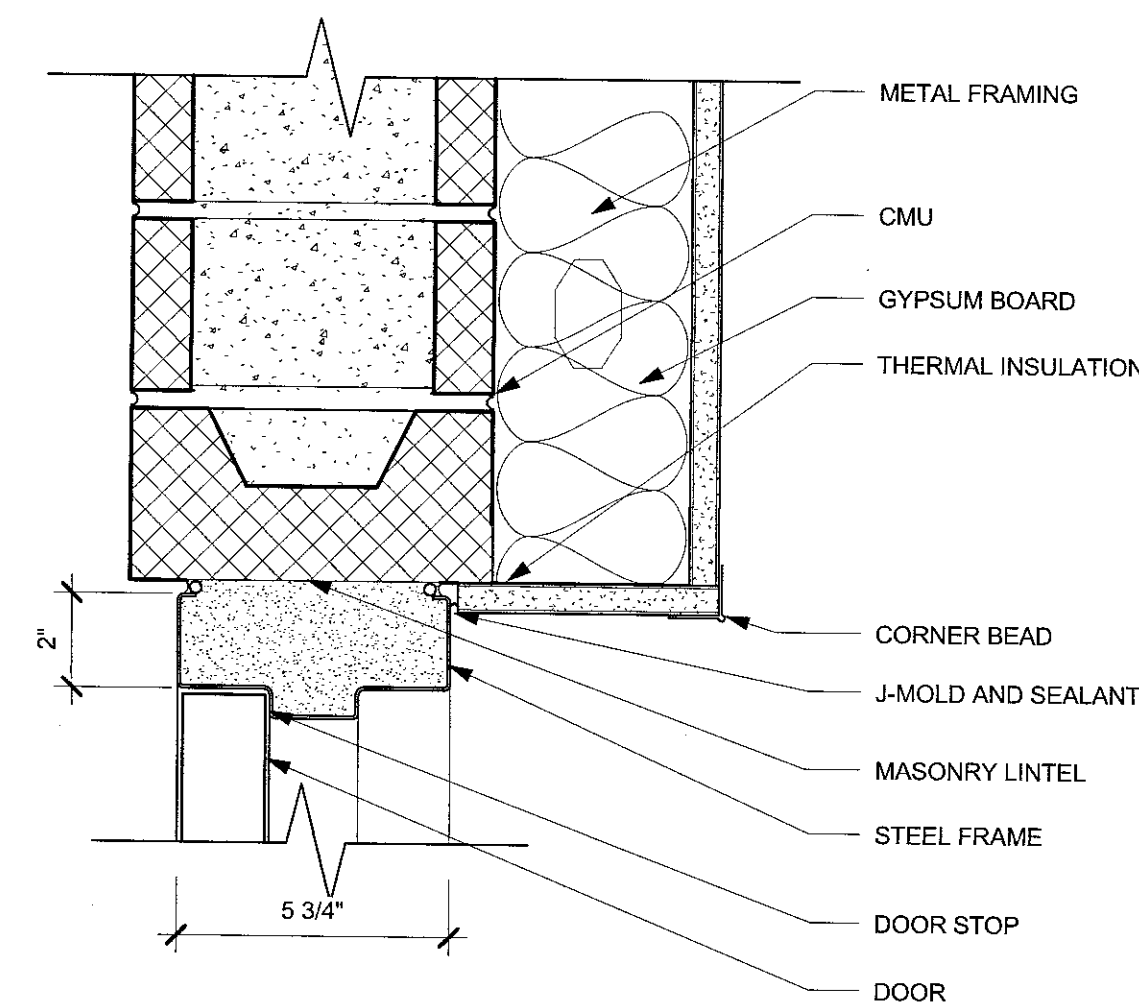
6 DOOR JAMB AT EXPOSED MASONRY
3" = 1'-0"



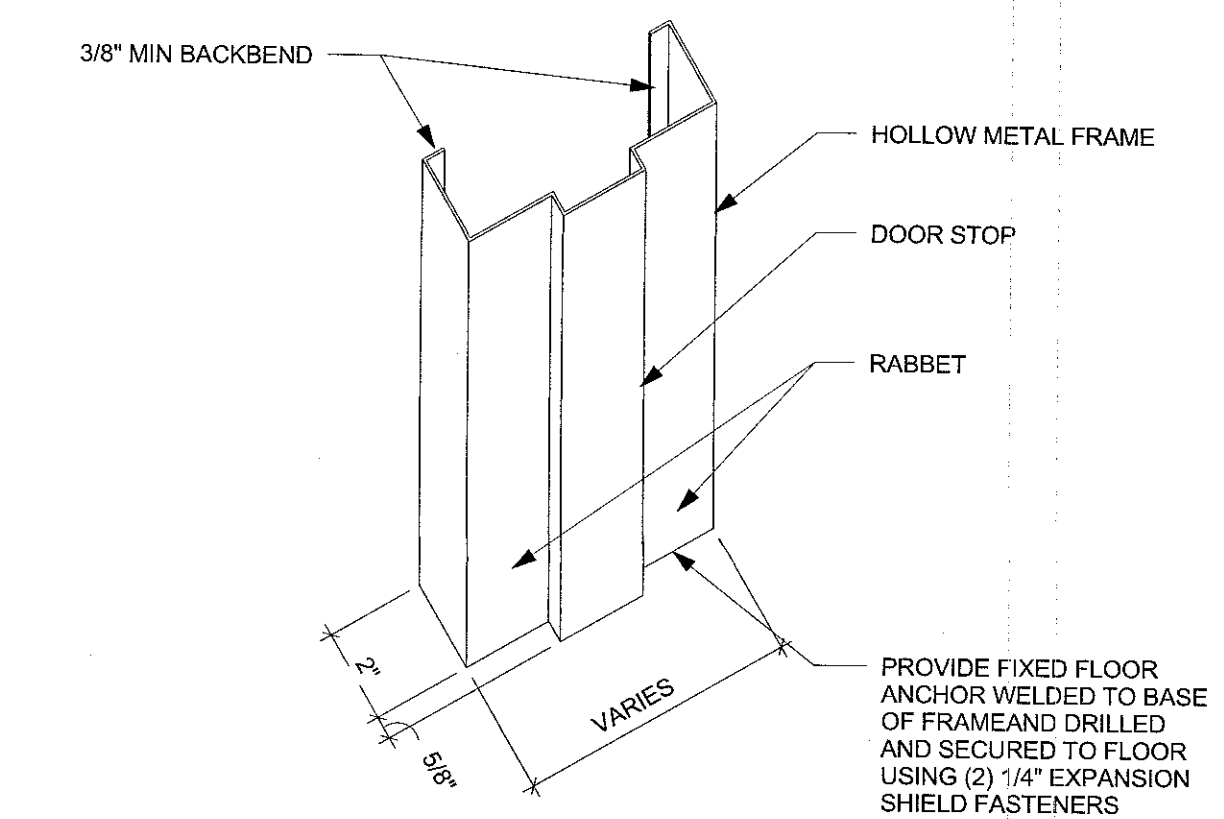
2 HOLLOW METAL DOOR FRAME JAMB DETAIL
3" = 1'-0"



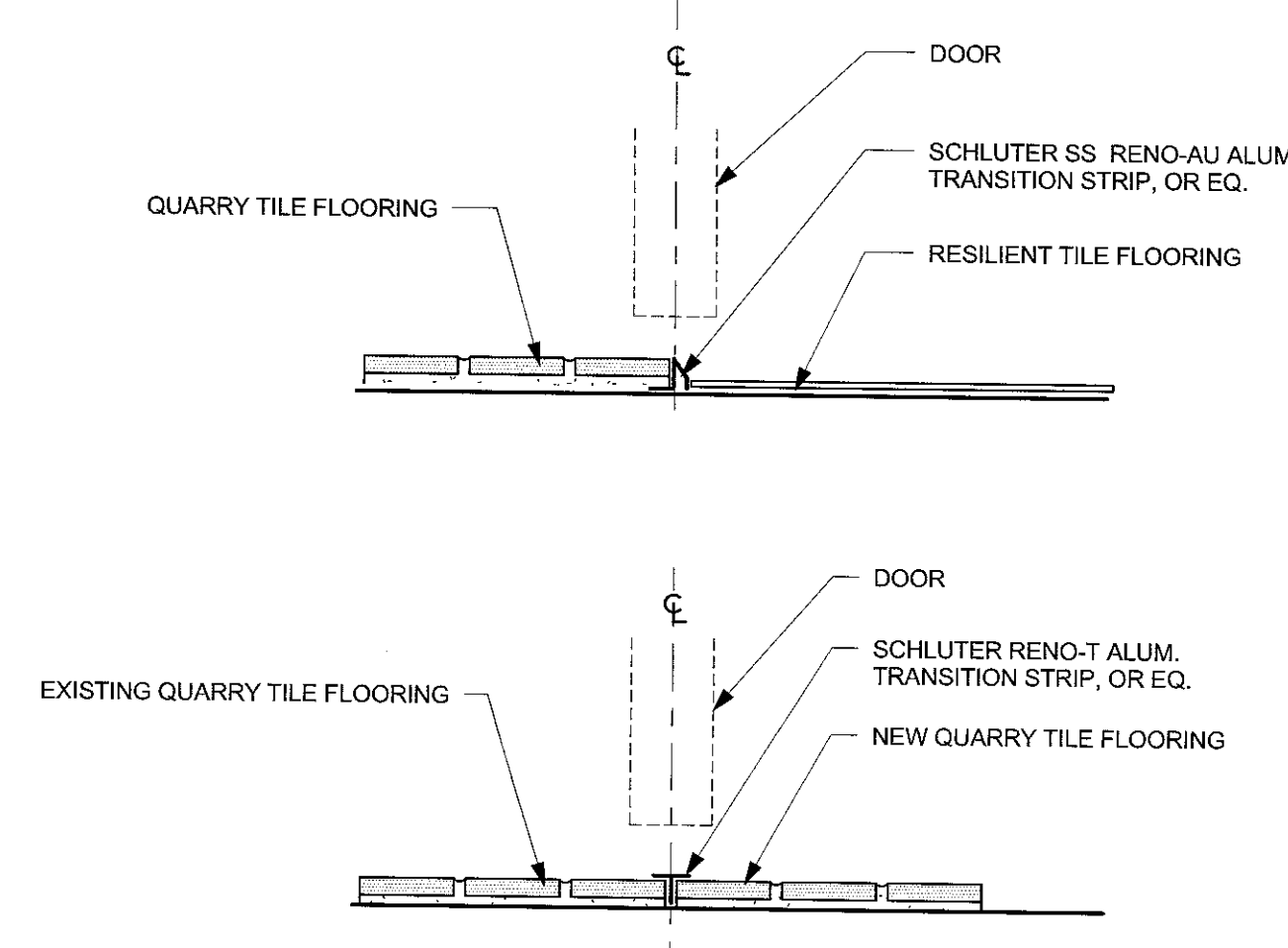
11 DR THRESHOLD AT OVERHEAD DOOR
1 1/2" = 1'-0"



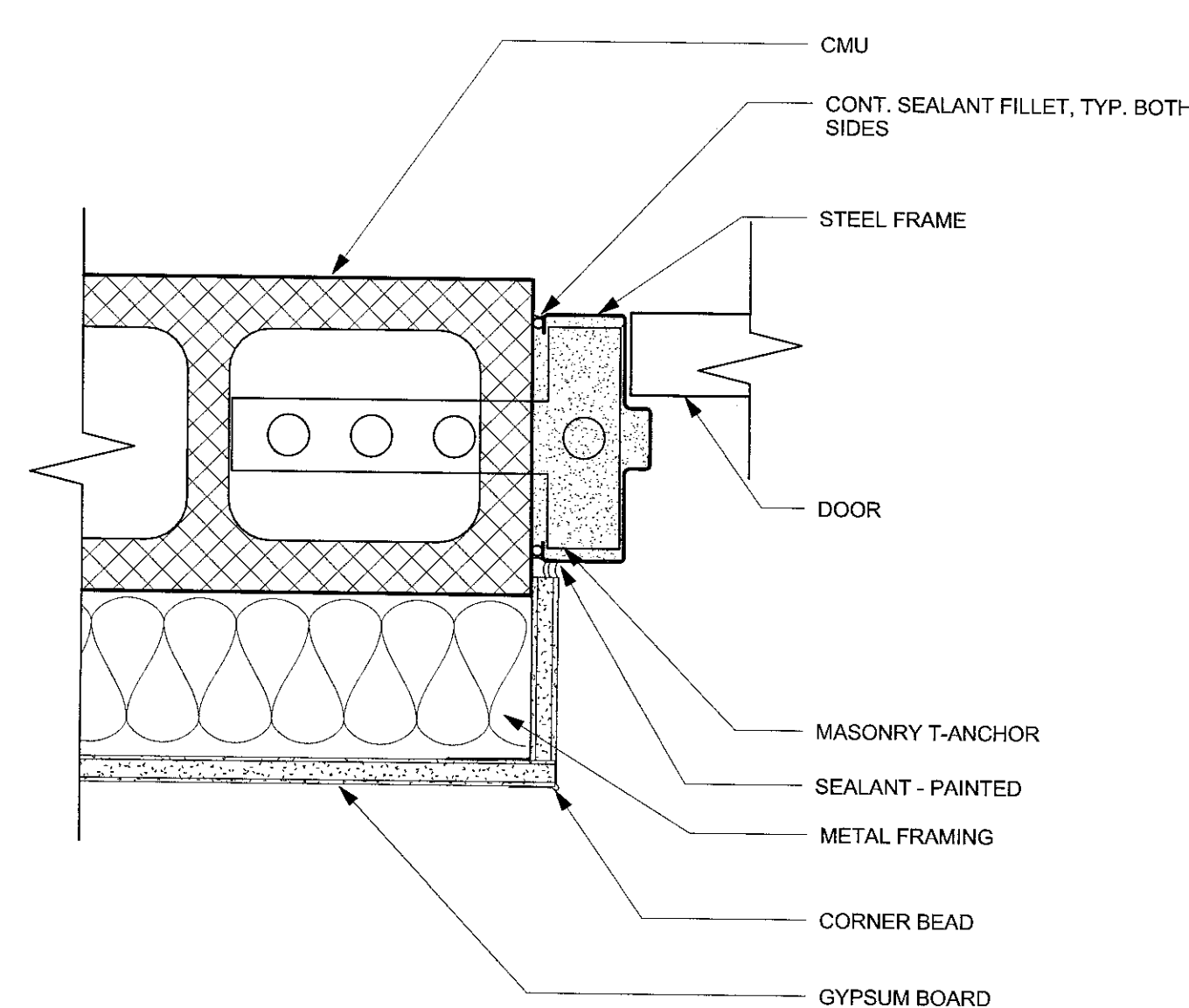
7 EXTERIOR STEEL DOOR FRAME - HEAD
3" = 1'-0"



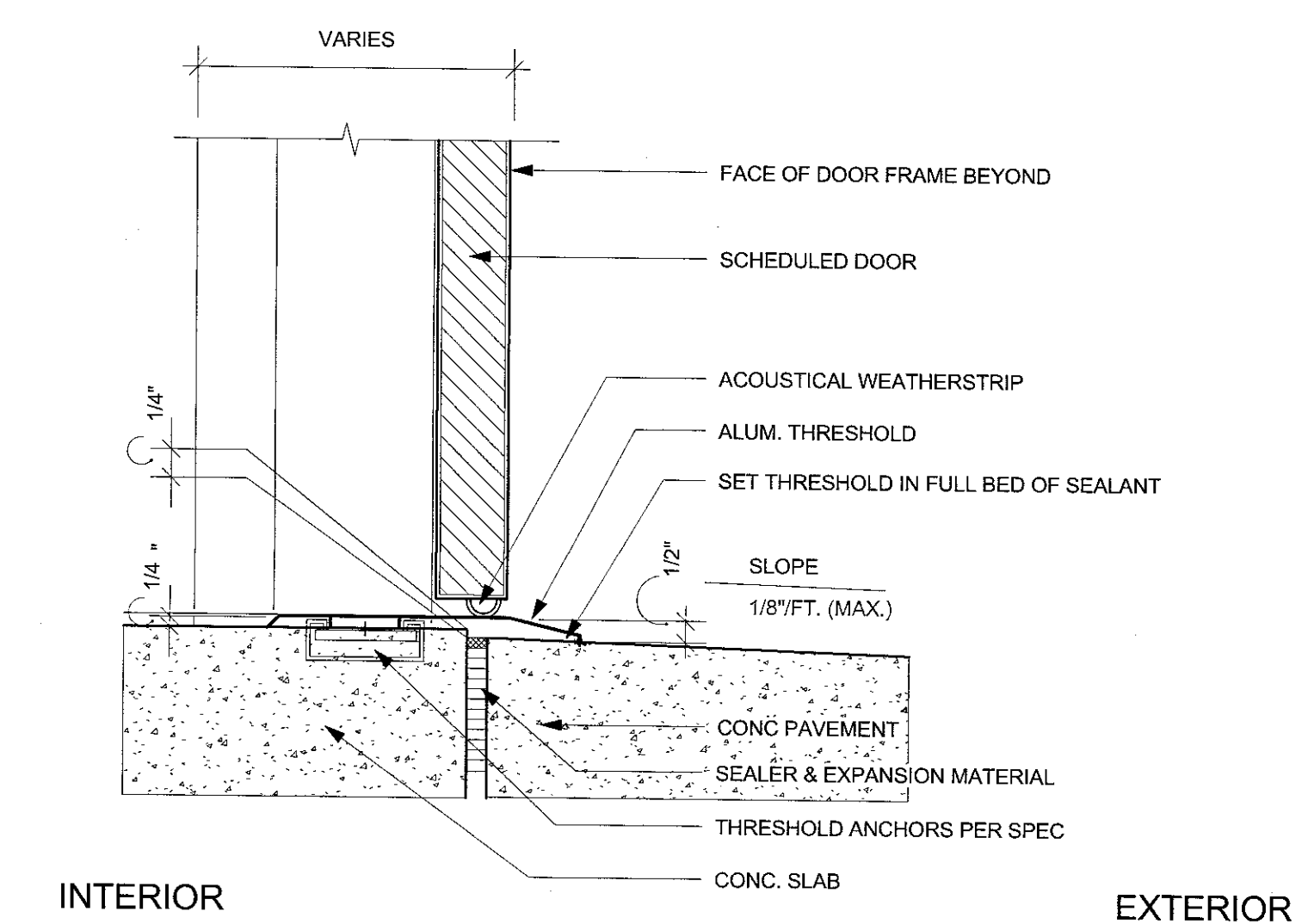
3 TYPICAL HOLLOW METAL DOOR FRAME
3" = 1'-0"



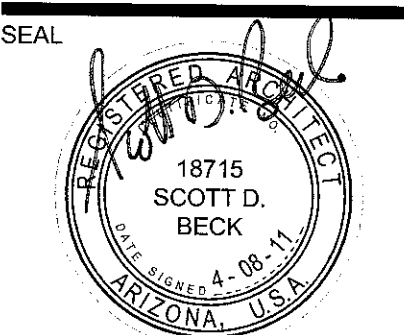
12 DR-INTERIOR THRESHOLDS
3" = 1'-0"



8 EXTERIOR STEEL DOOR FRAME - JAMB
3" = 1'-0"



4 DOOR THRESHOLD
3" = 1'-0"



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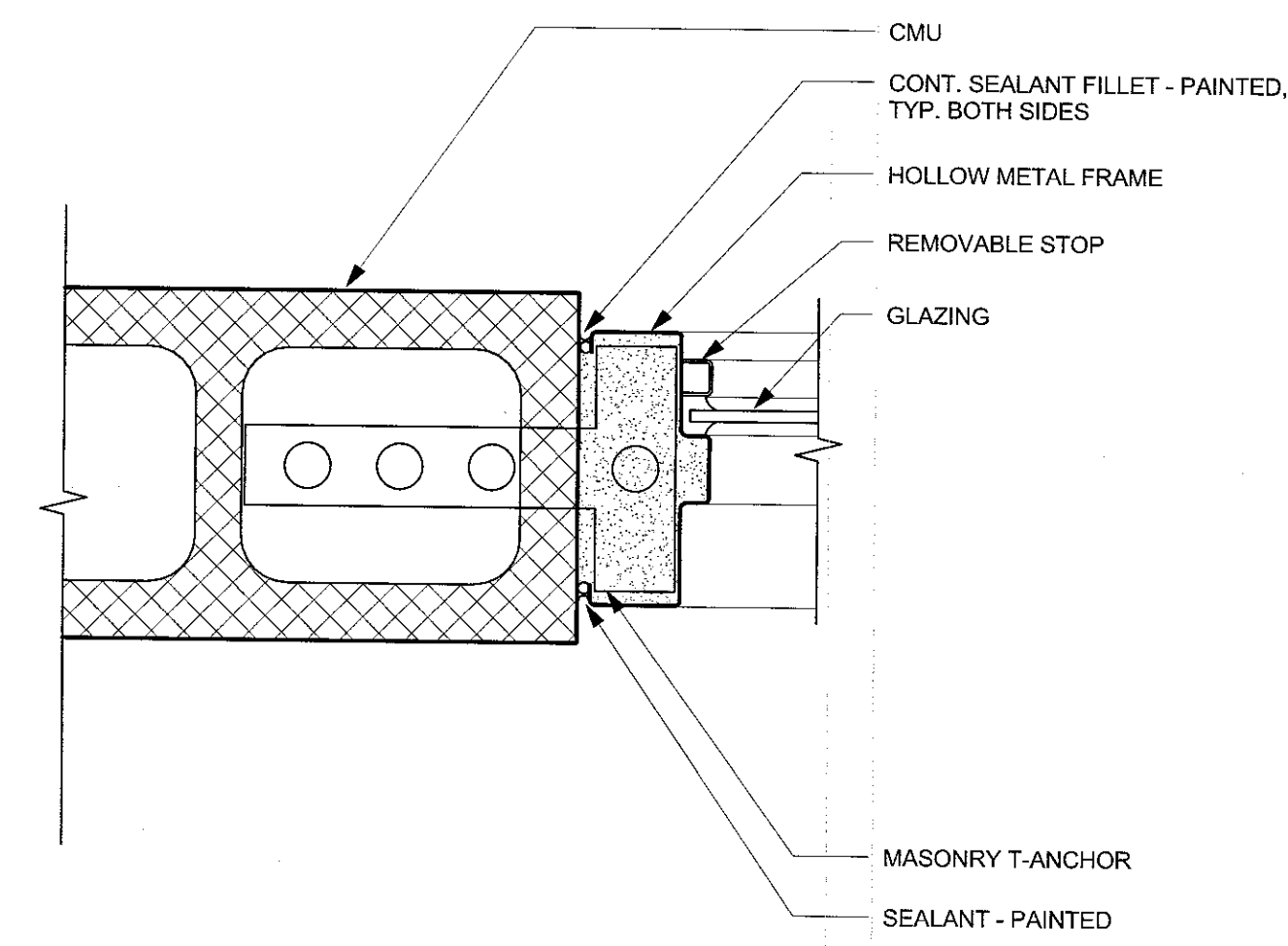
PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

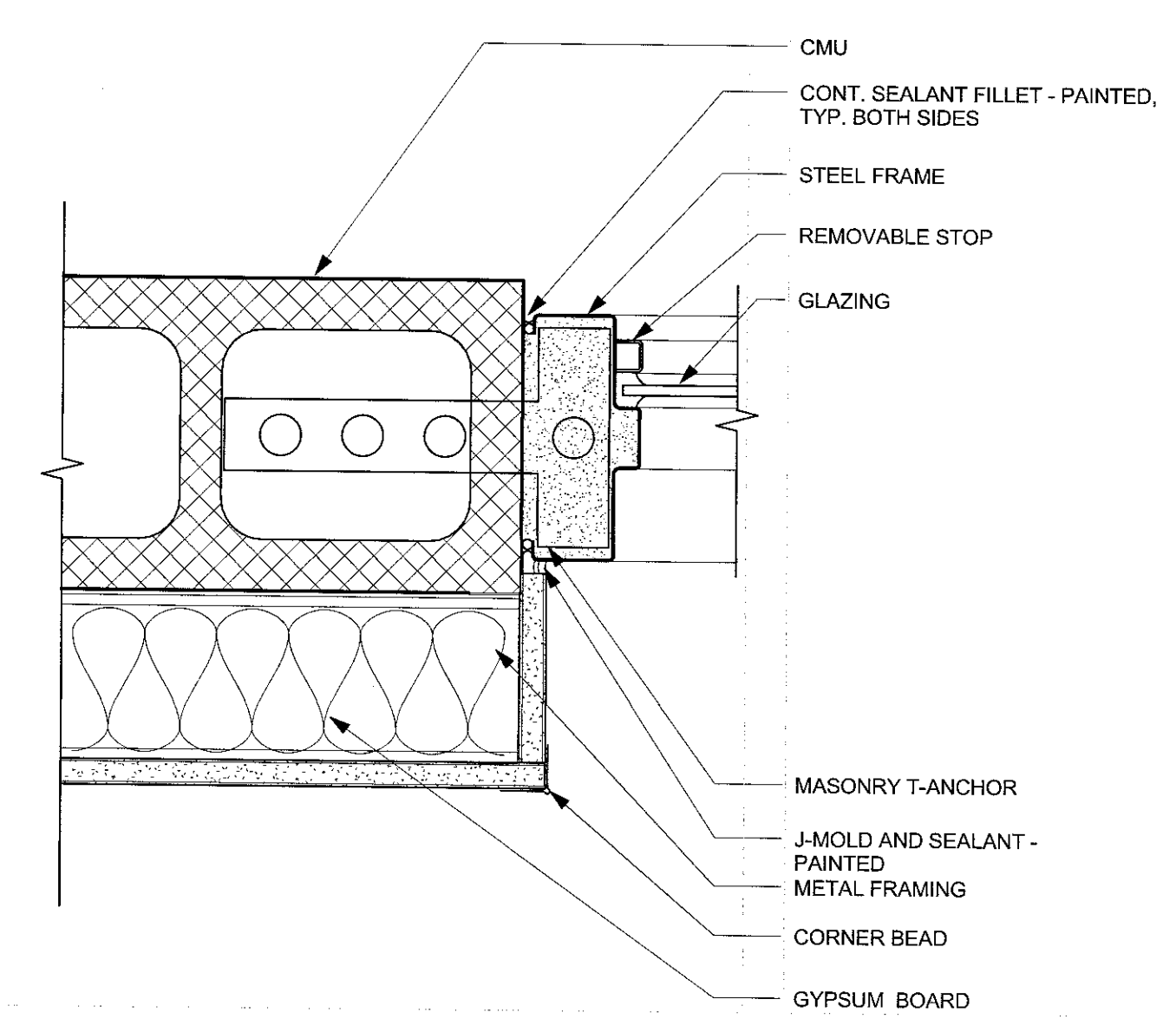
DOOR DETAILS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			Author	2010-0318-00
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			Checker	04/08/11
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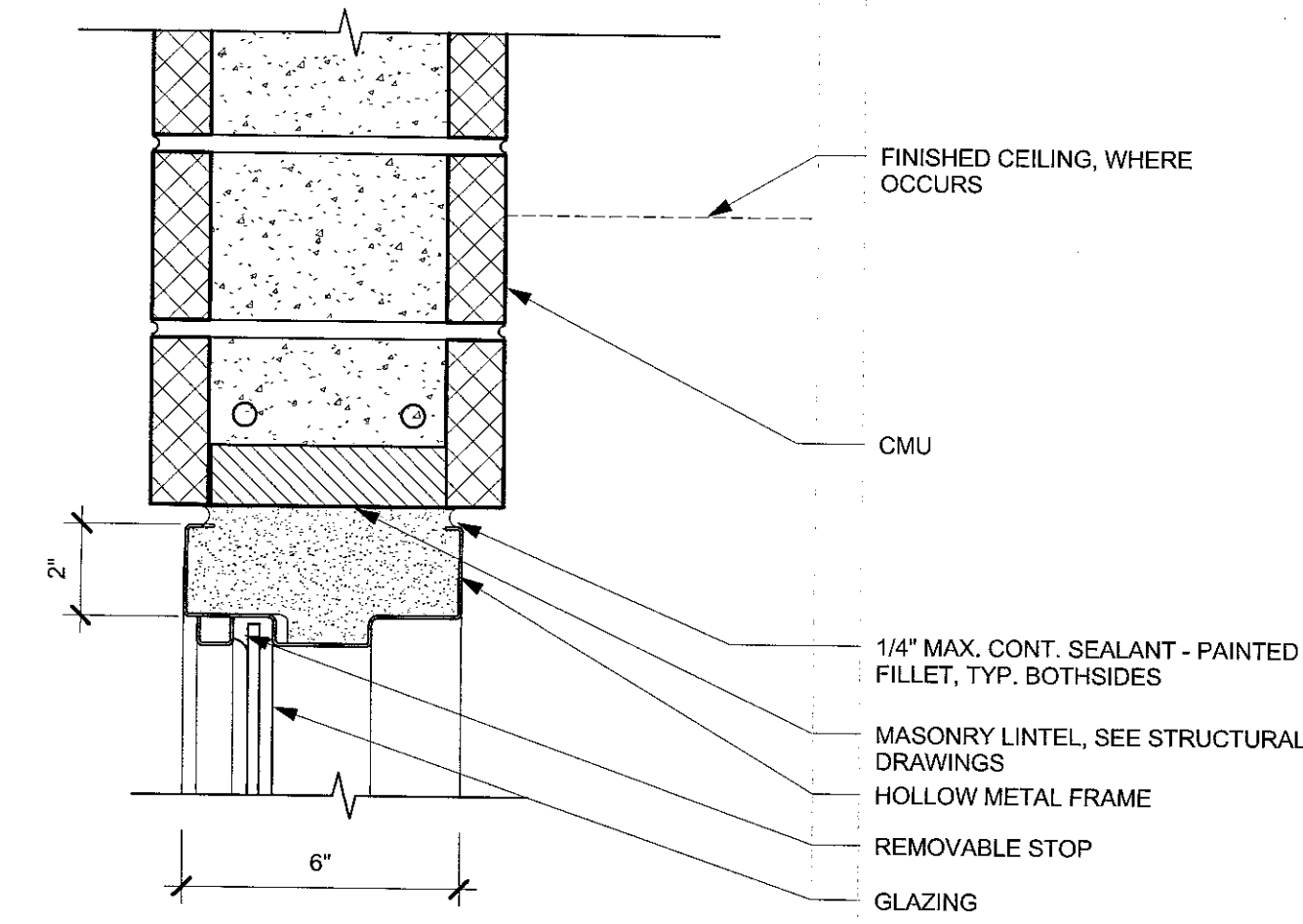
A9.3.1



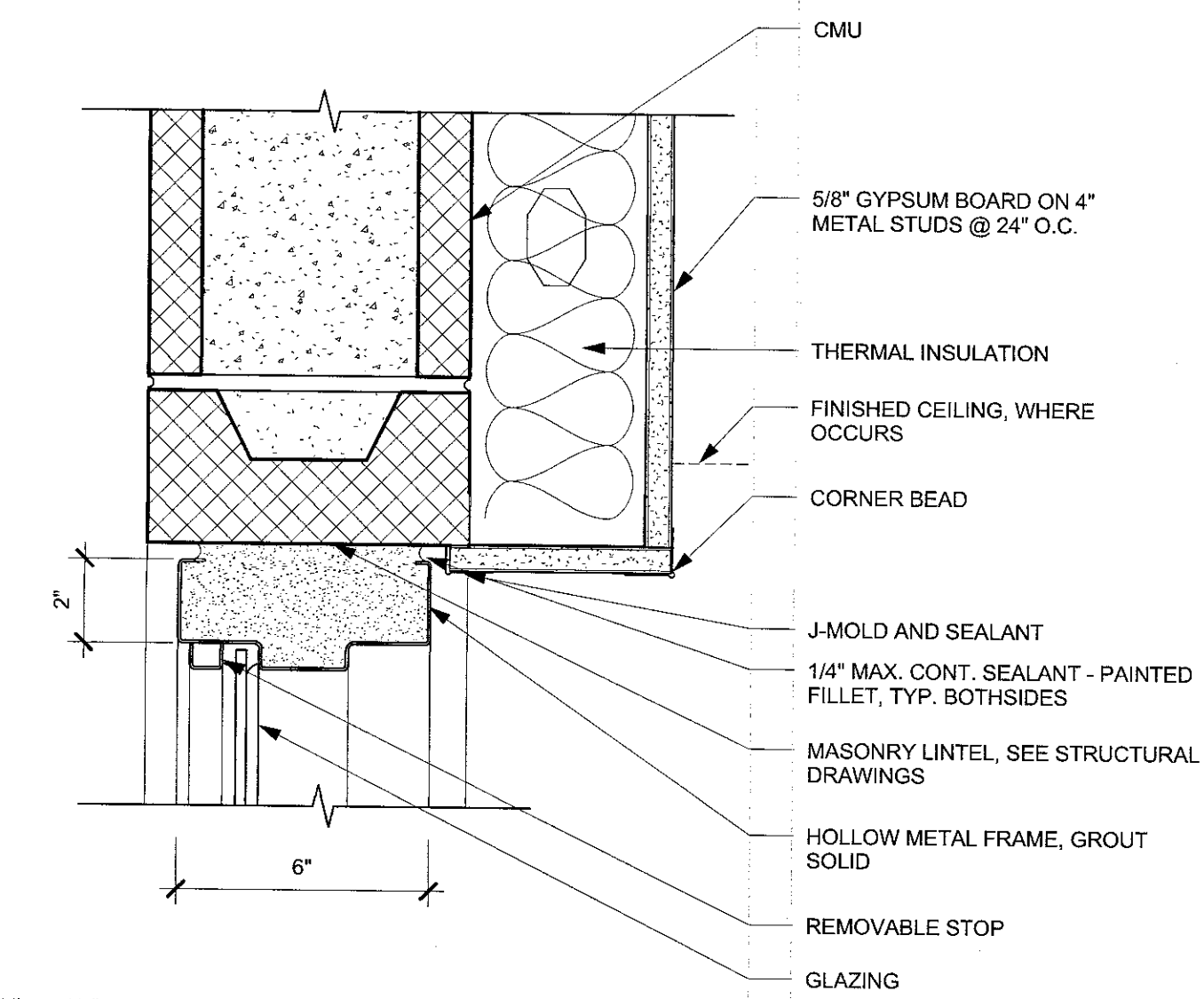
4 EXTERIOR HOLLOW METAL WINDOW - JAMB
3" = 1'-0"



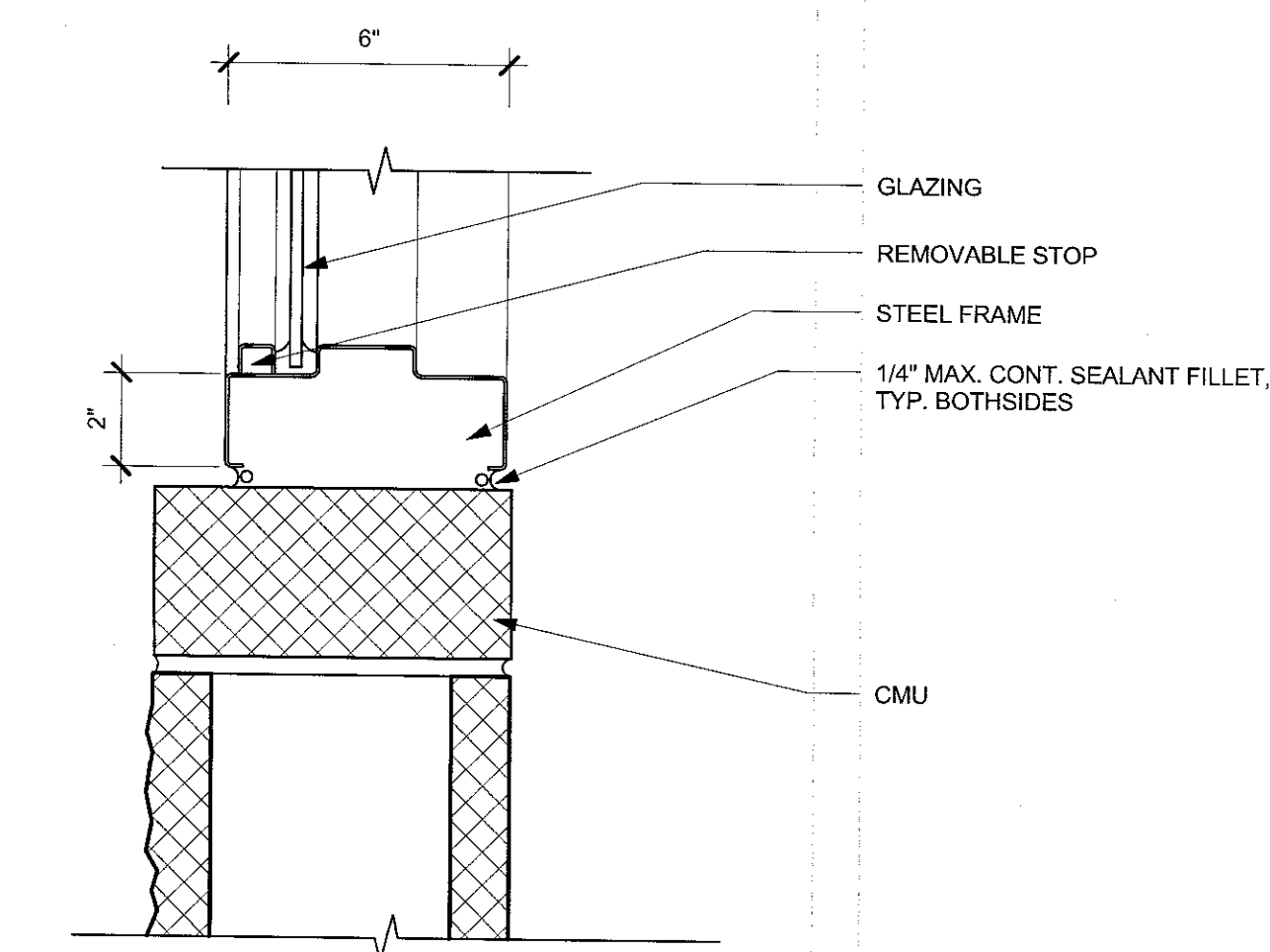
1 EXTERIOR STEEL WINDOW - JAMB
3" = 1'-0"



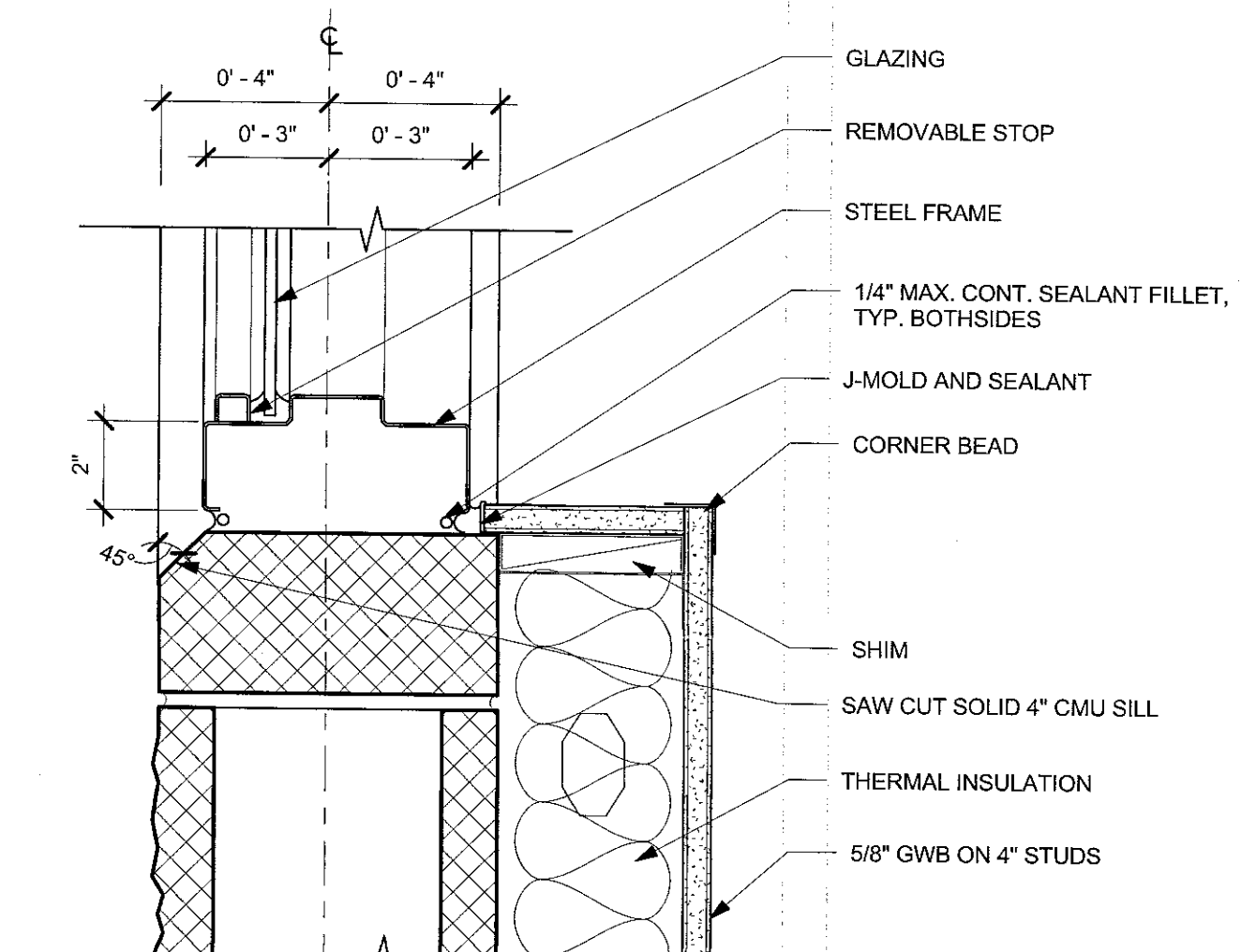
5 EXTERIOR STEEL WINDOW FRAME - HEAD
3" = 1'-0"



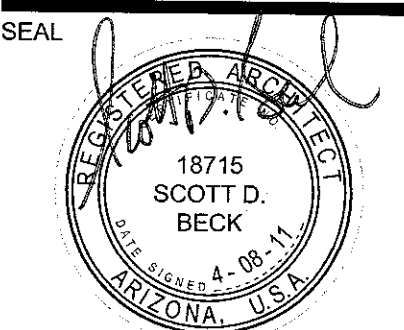
2 EXTERIOR STEEL WINDOW FRAME - HEAD
3" = 1'-0"



6 EXT HOLLOW METAL WINDOW FRAME - SILL
3" = 1'-0"



3 EXT HOLLOW METAL WINDOW FRAME - SILL
3" = 1'-0"



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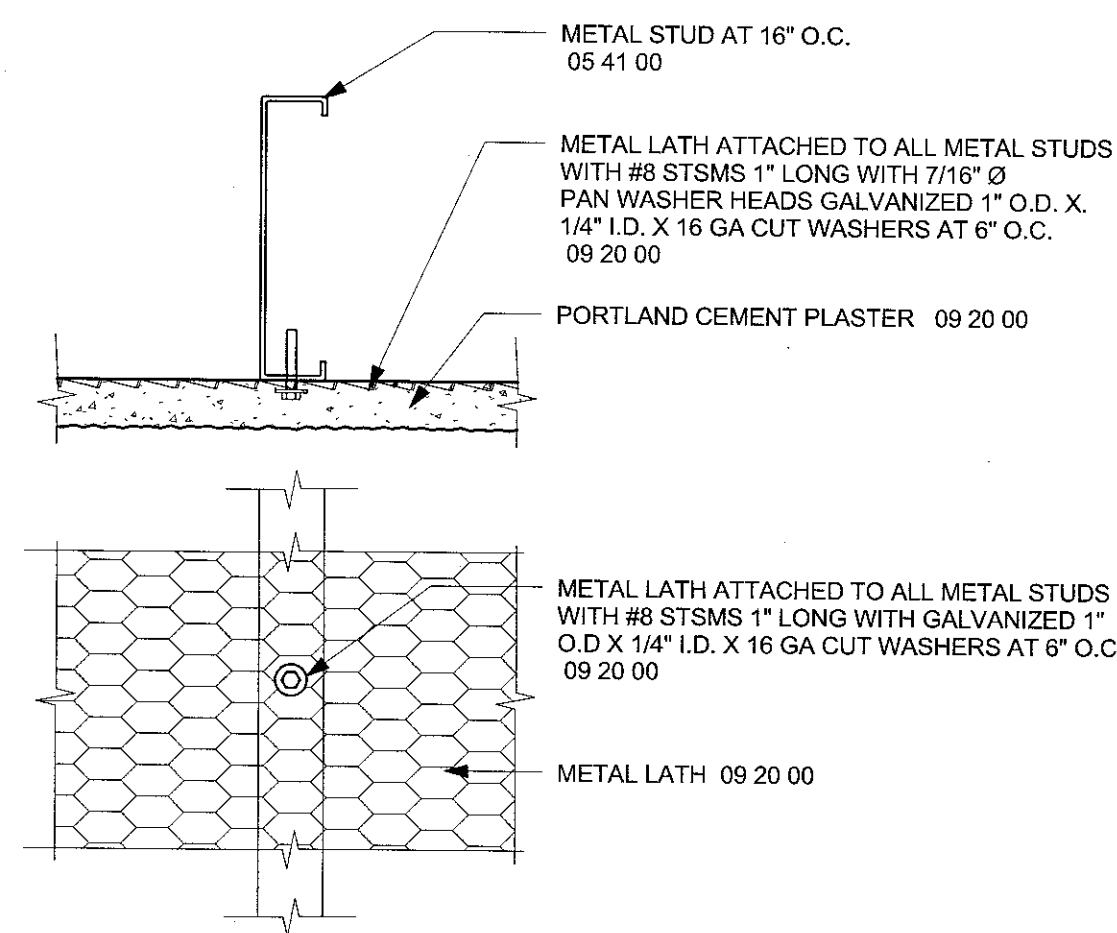
PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

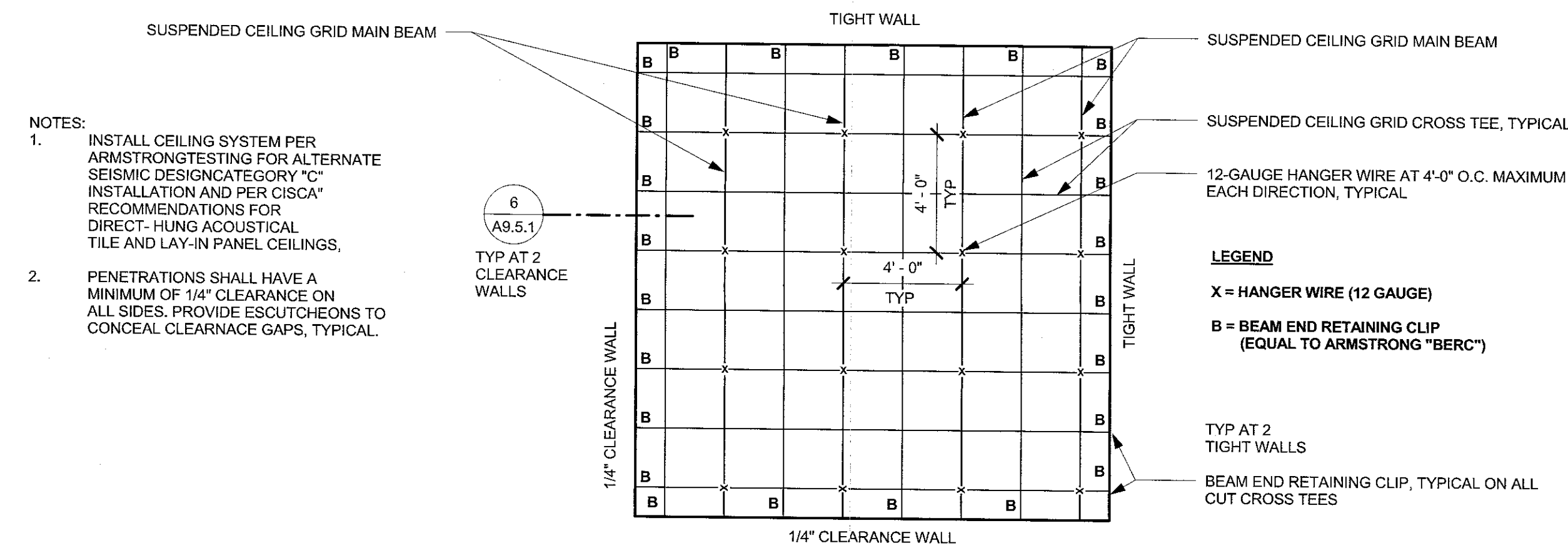
WINDOW DETAILS

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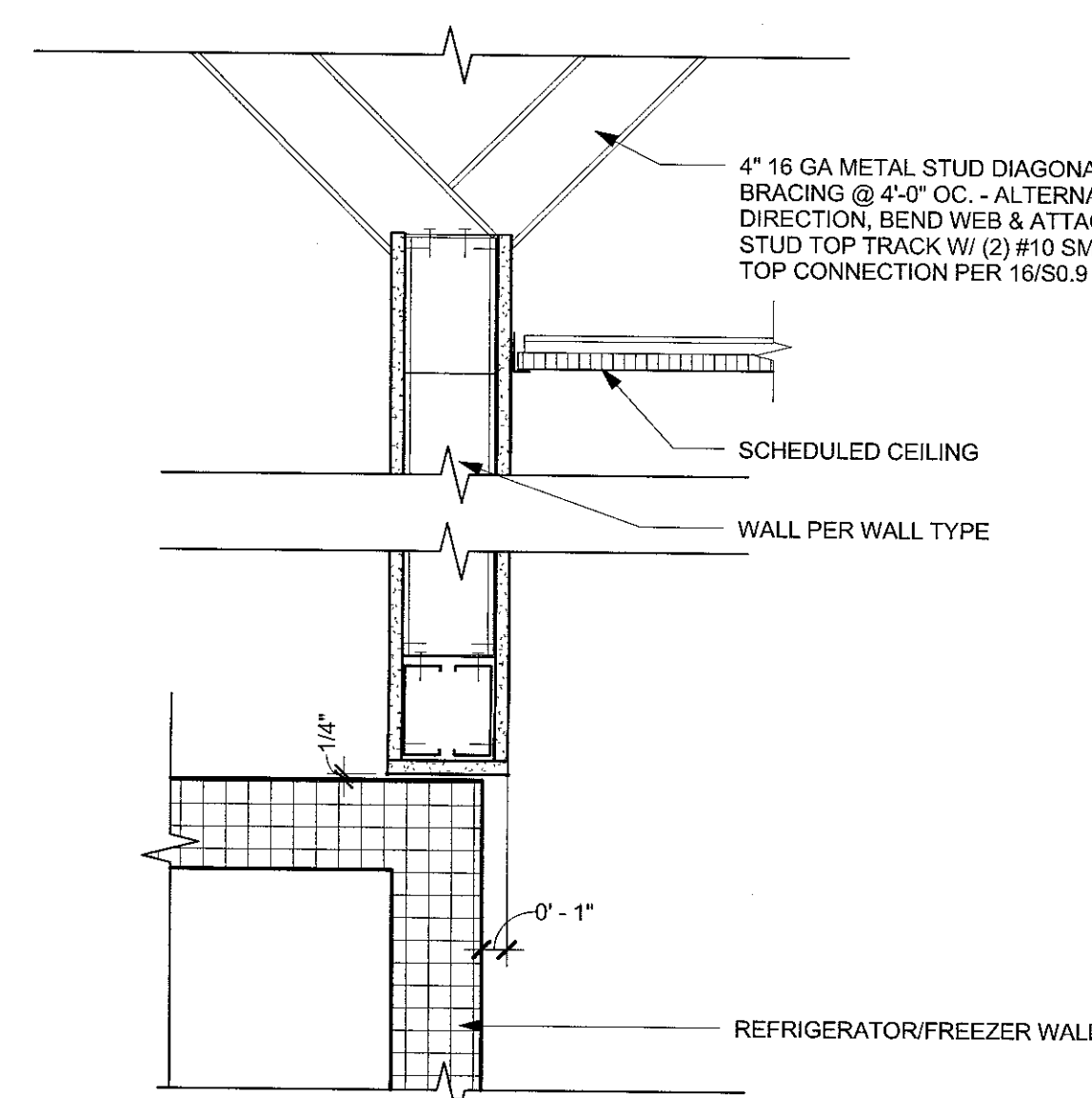
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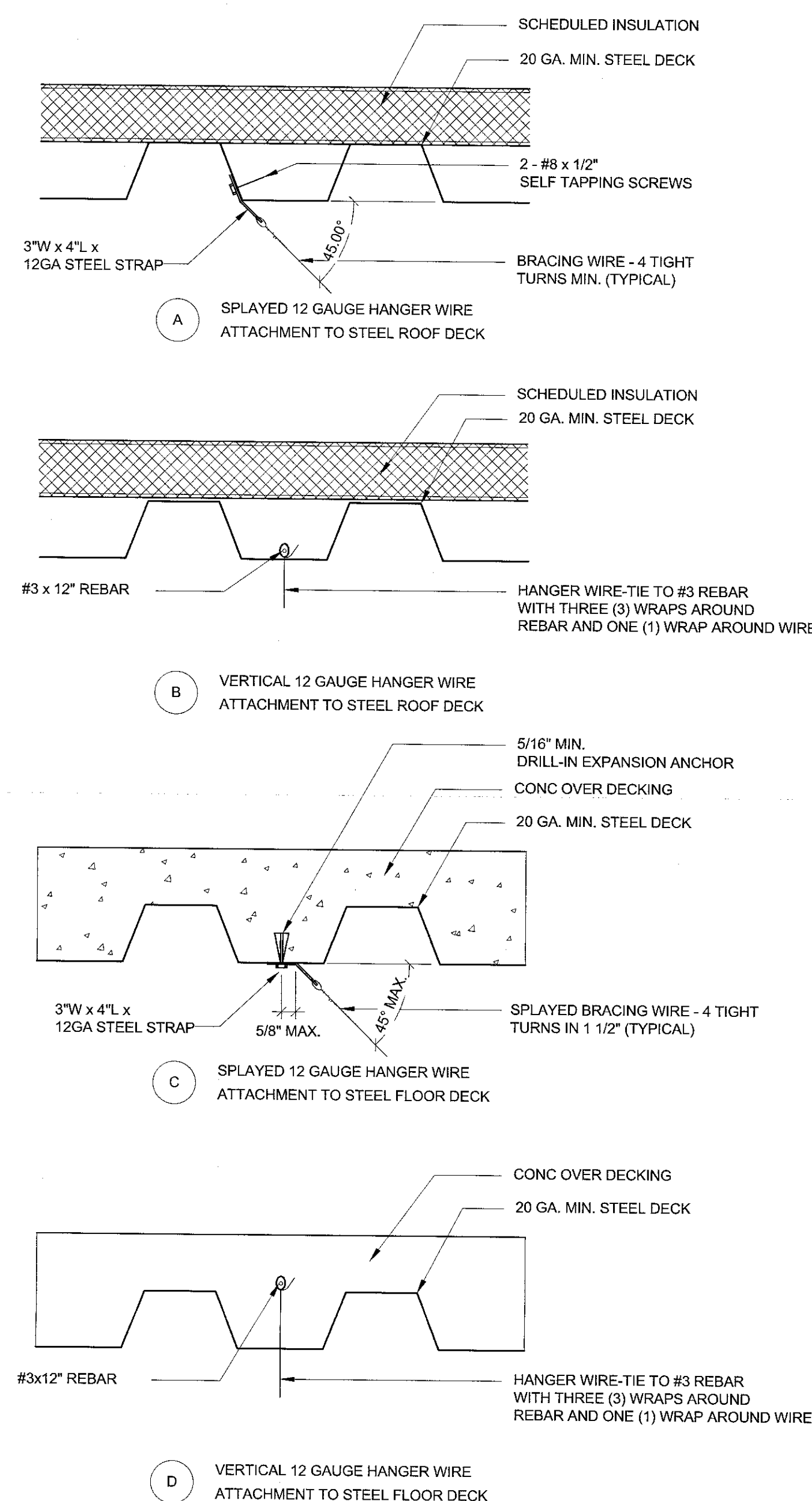
11 EXTERIOR CEMENT PLASTER SOFFIT
3" = 1'-0"



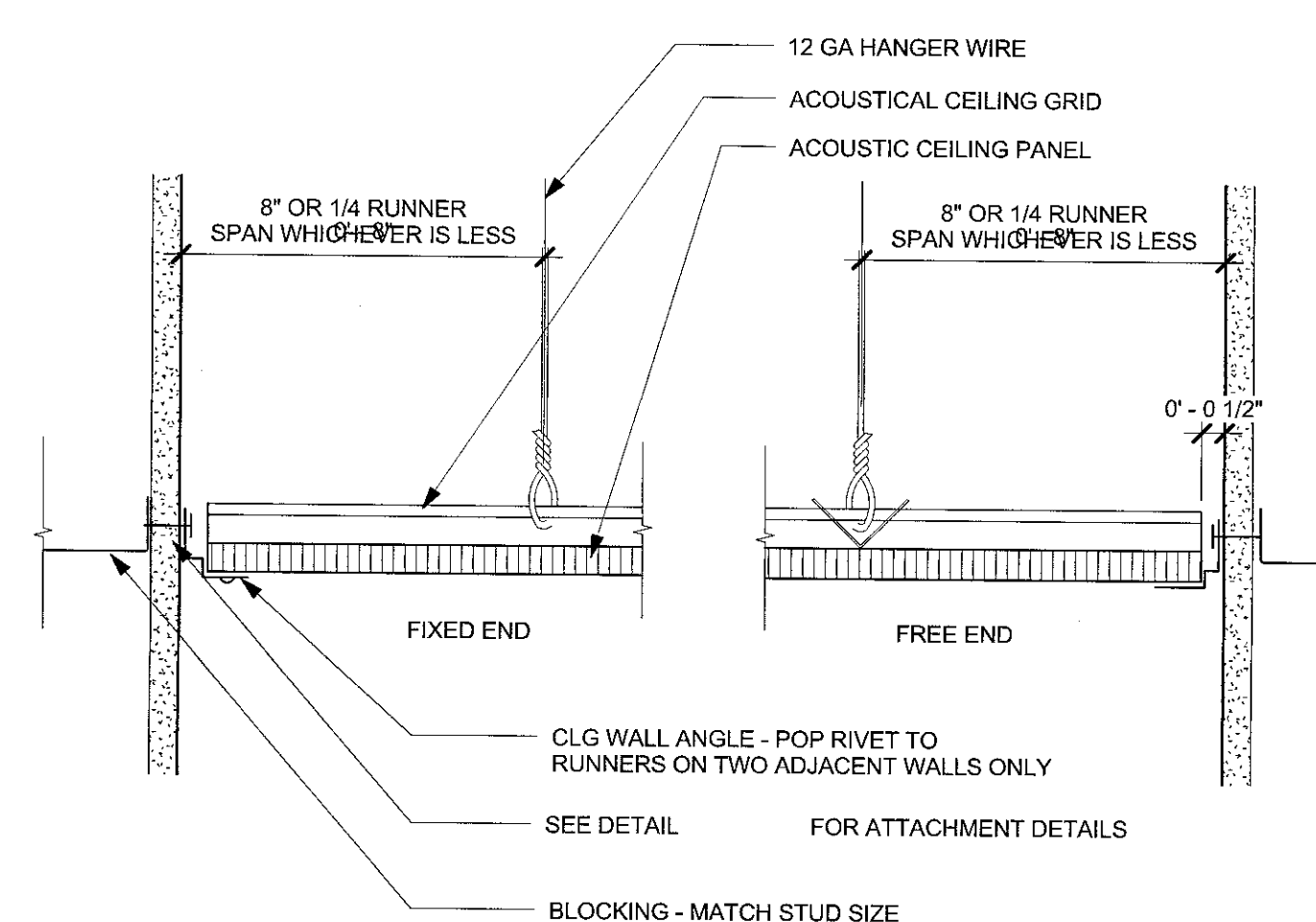
5 TYP. DIAGRAMMATIC CEILING, PLAN
1/4" = 1'-0"



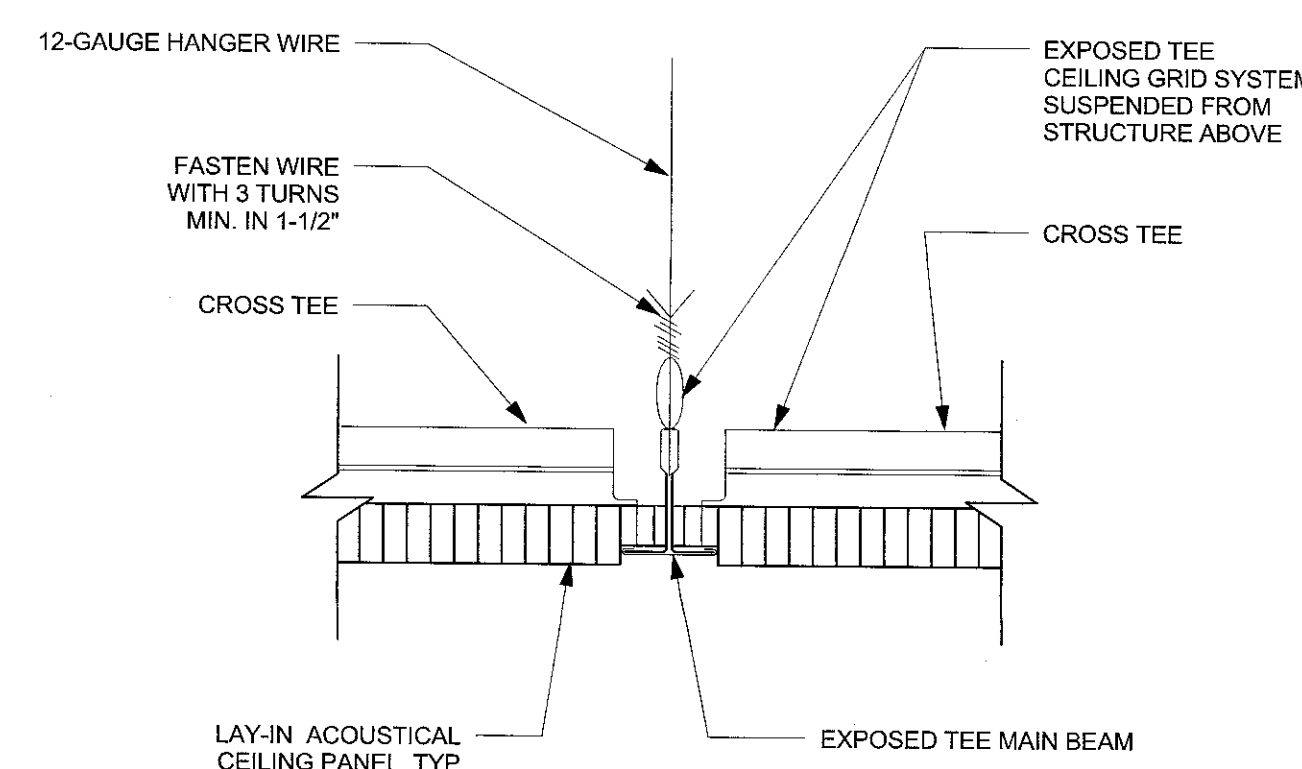
9 FASCIA @ REFRIGERATOR/FREEZER
1 1/2" = 1'-0"



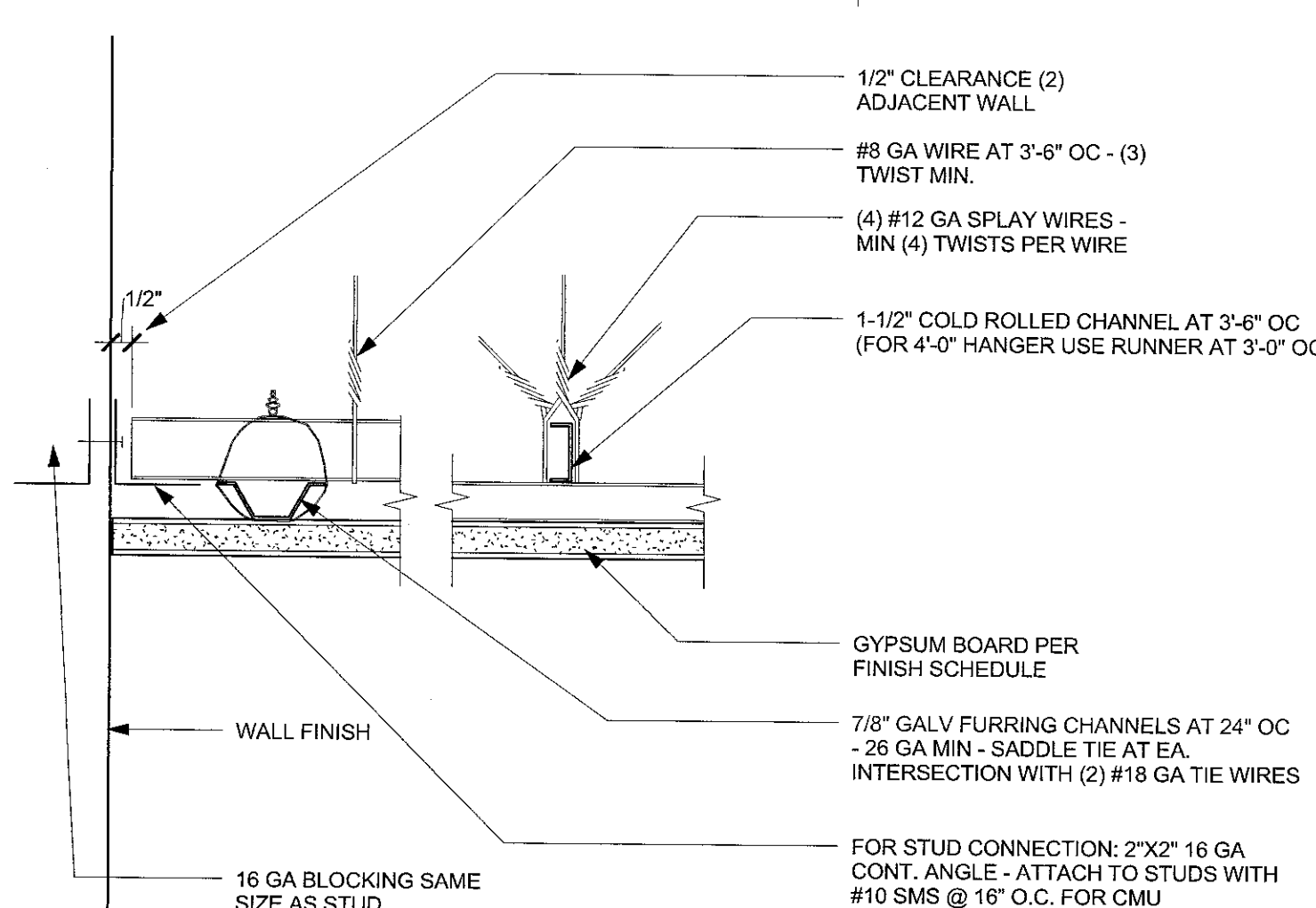
10 CEILING WIRE ATTACHMENT @ METAL DECK
3" = 1'-0"



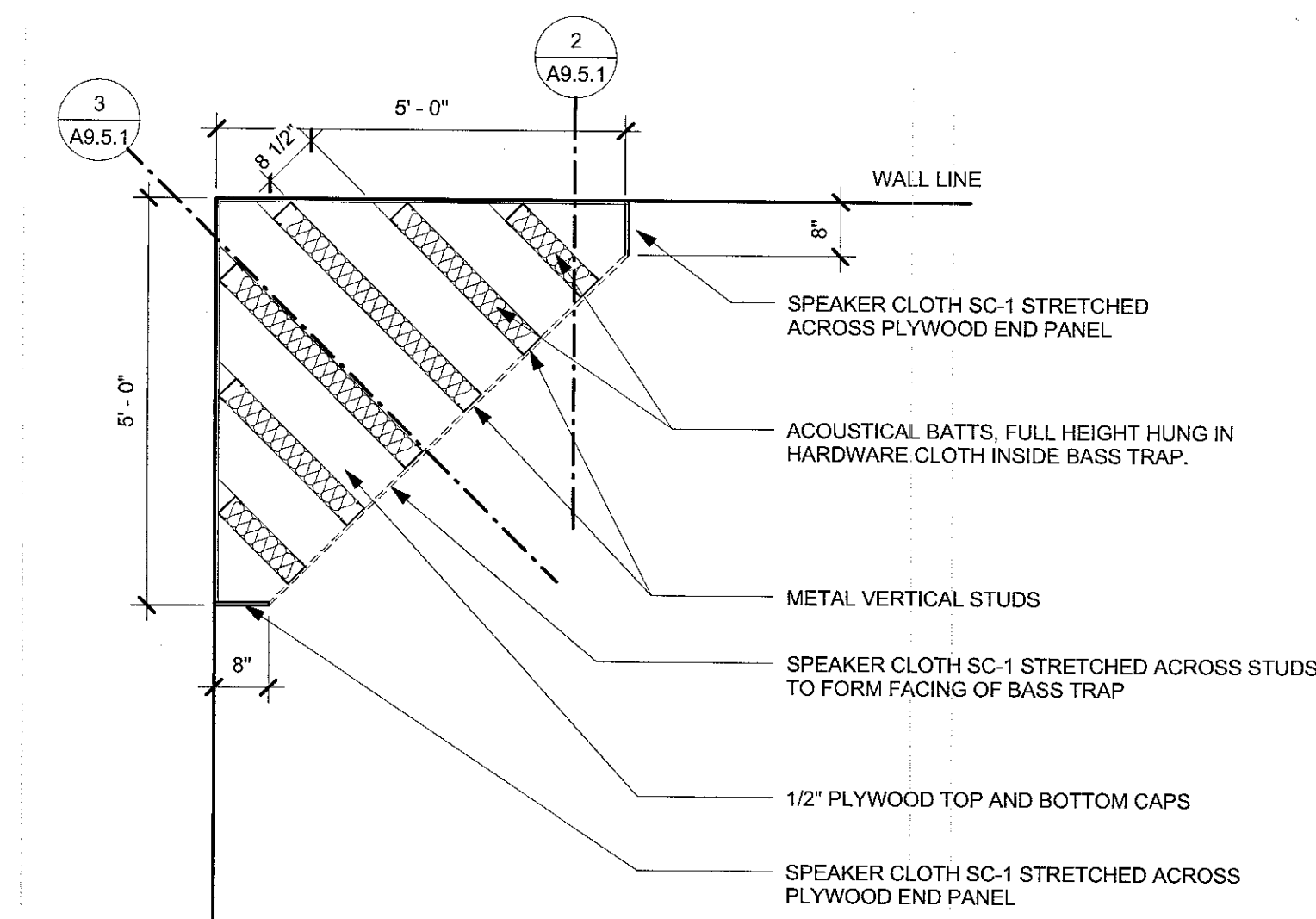
6 SUSPENDED ACOUSTICAL CEILING
3" = 1'-0"



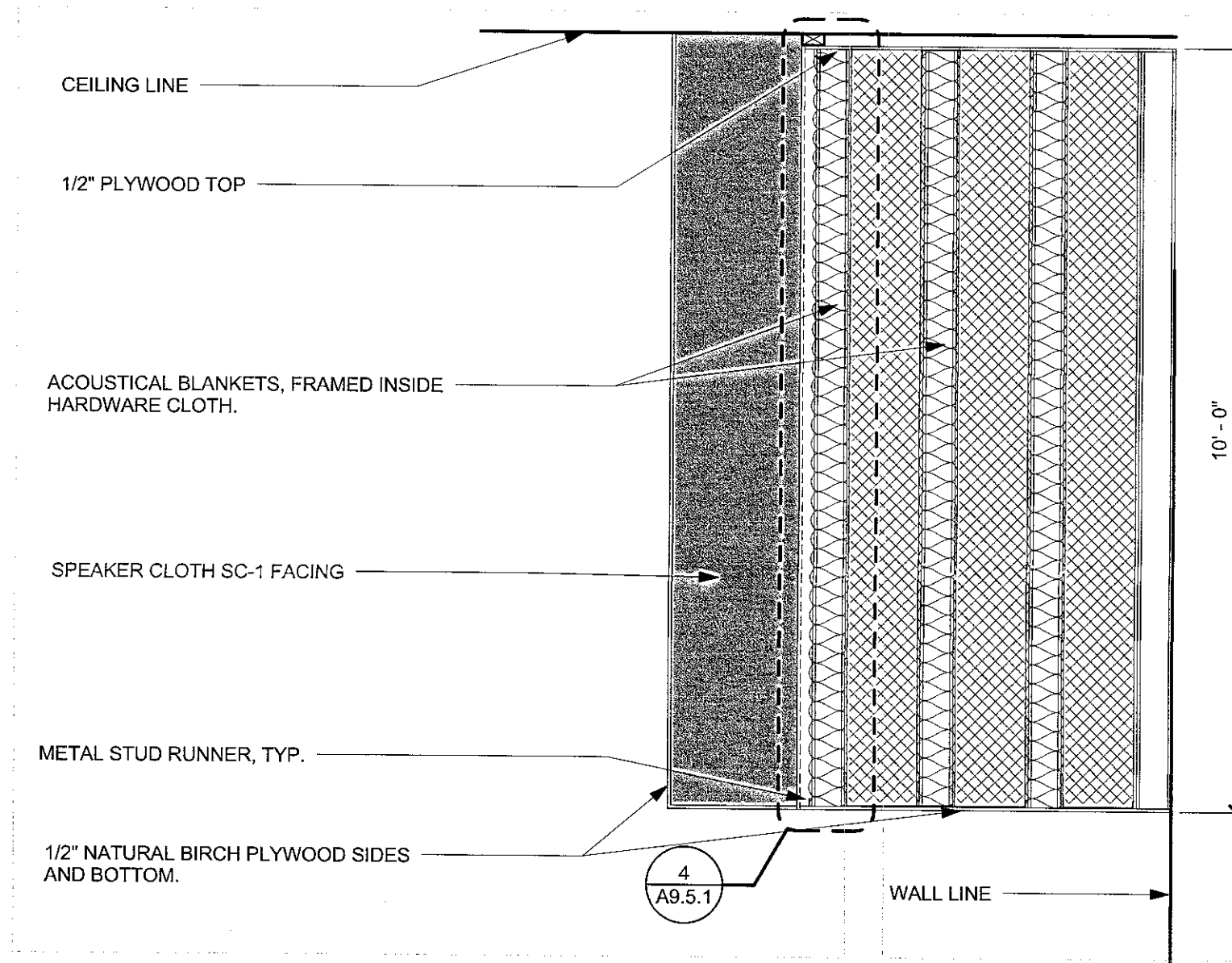
7 SUSPENDED ACOUSTICAL CEILING SYSTEM
6" = 1'-0"



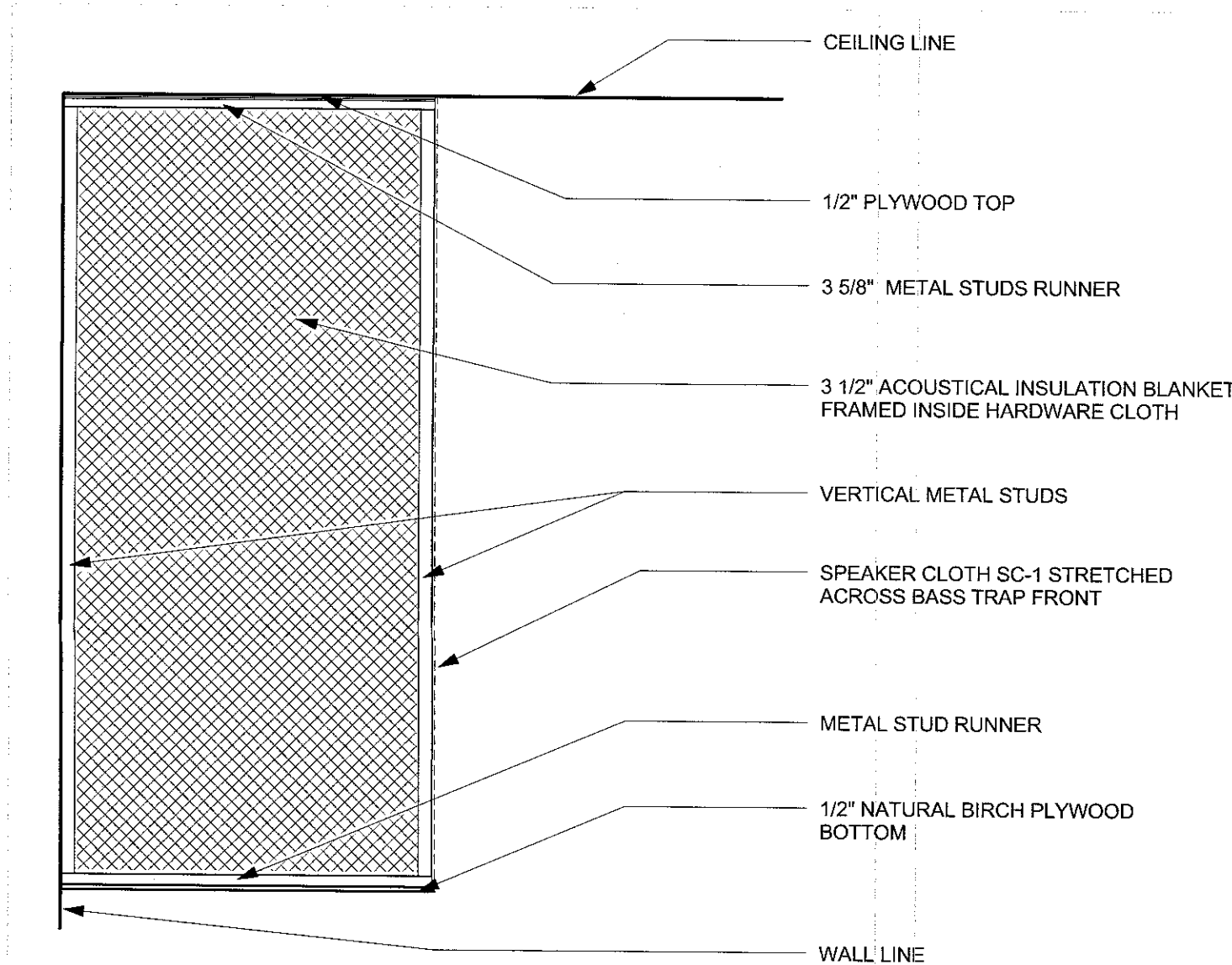
8 CL. SUSPENDED GYPSUM BOARD - 01
3" = 1'-0"



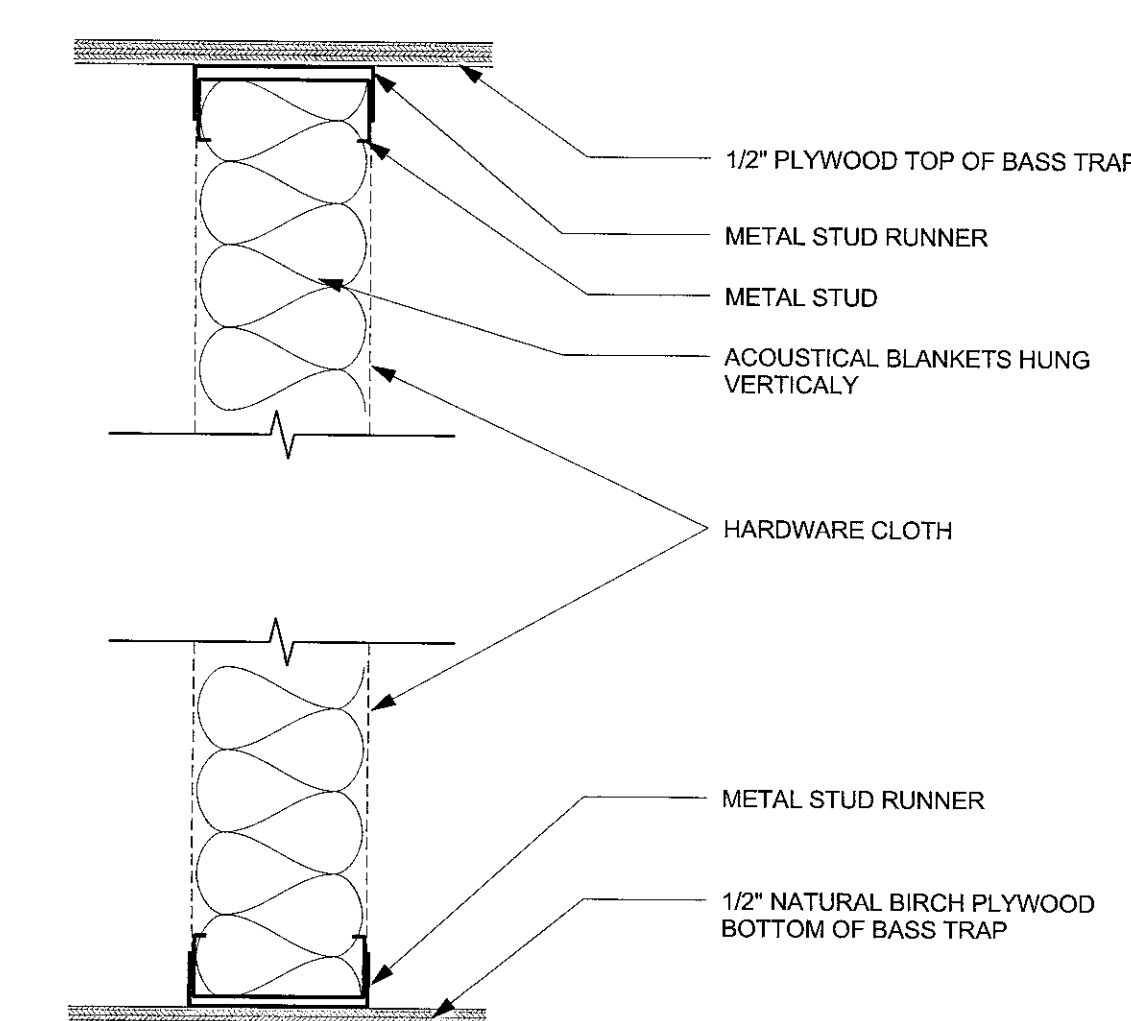
1 BASS TRAP - PLAN DETAIL
1/2" = 1'-0"



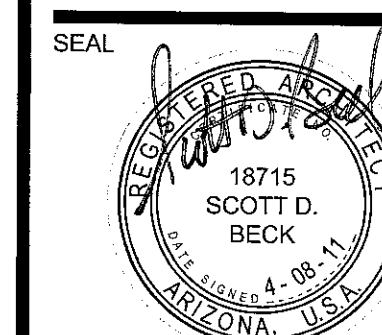
2 BASS TRAP - SECTION DETAIL
1/2" = 1'-0"



3 BASS TRAP - SECTION DETAIL 2
1/2" = 1'-0"



4 BASS TRAP - BATT DETAIL
3" = 1'-0"



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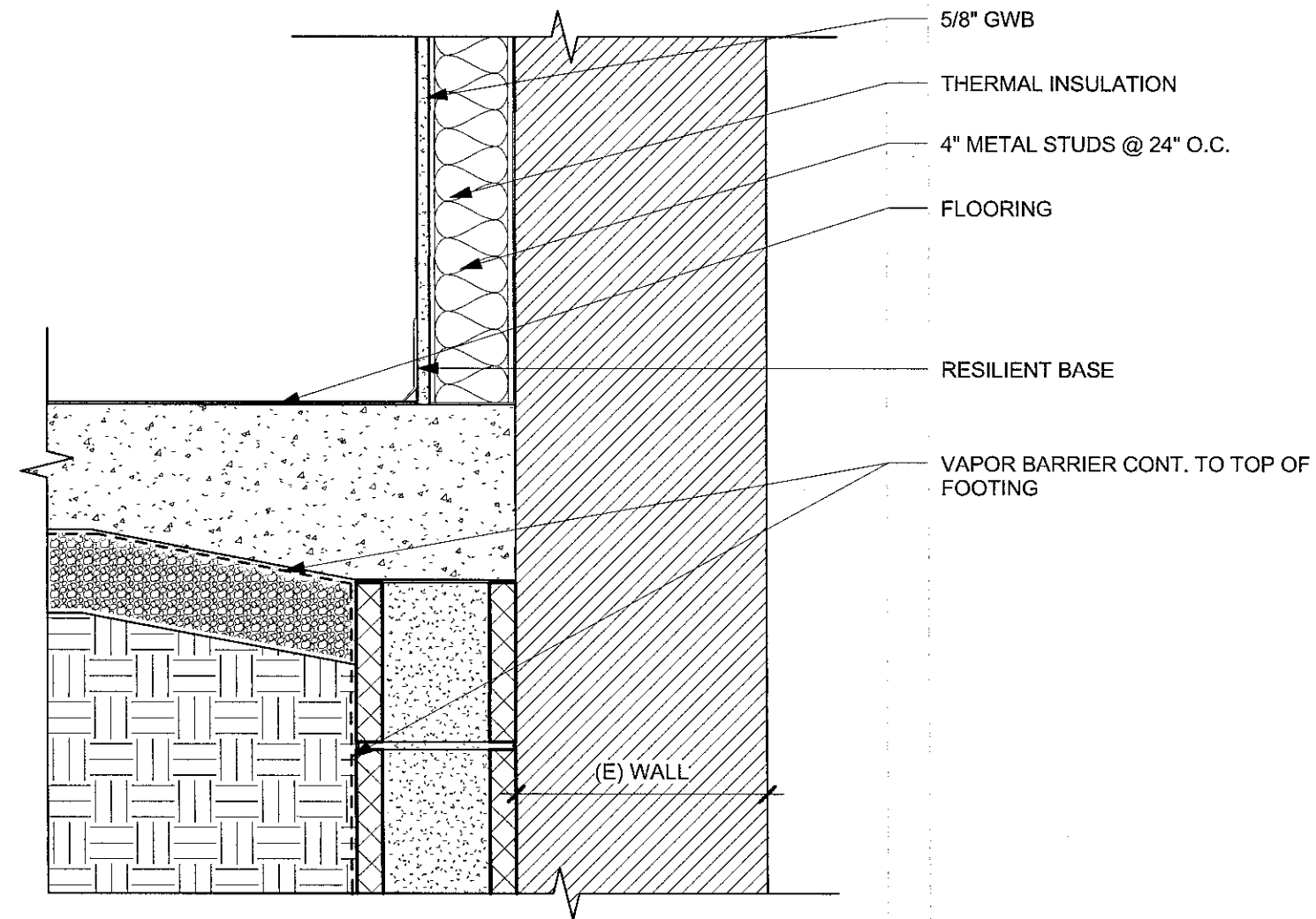
PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

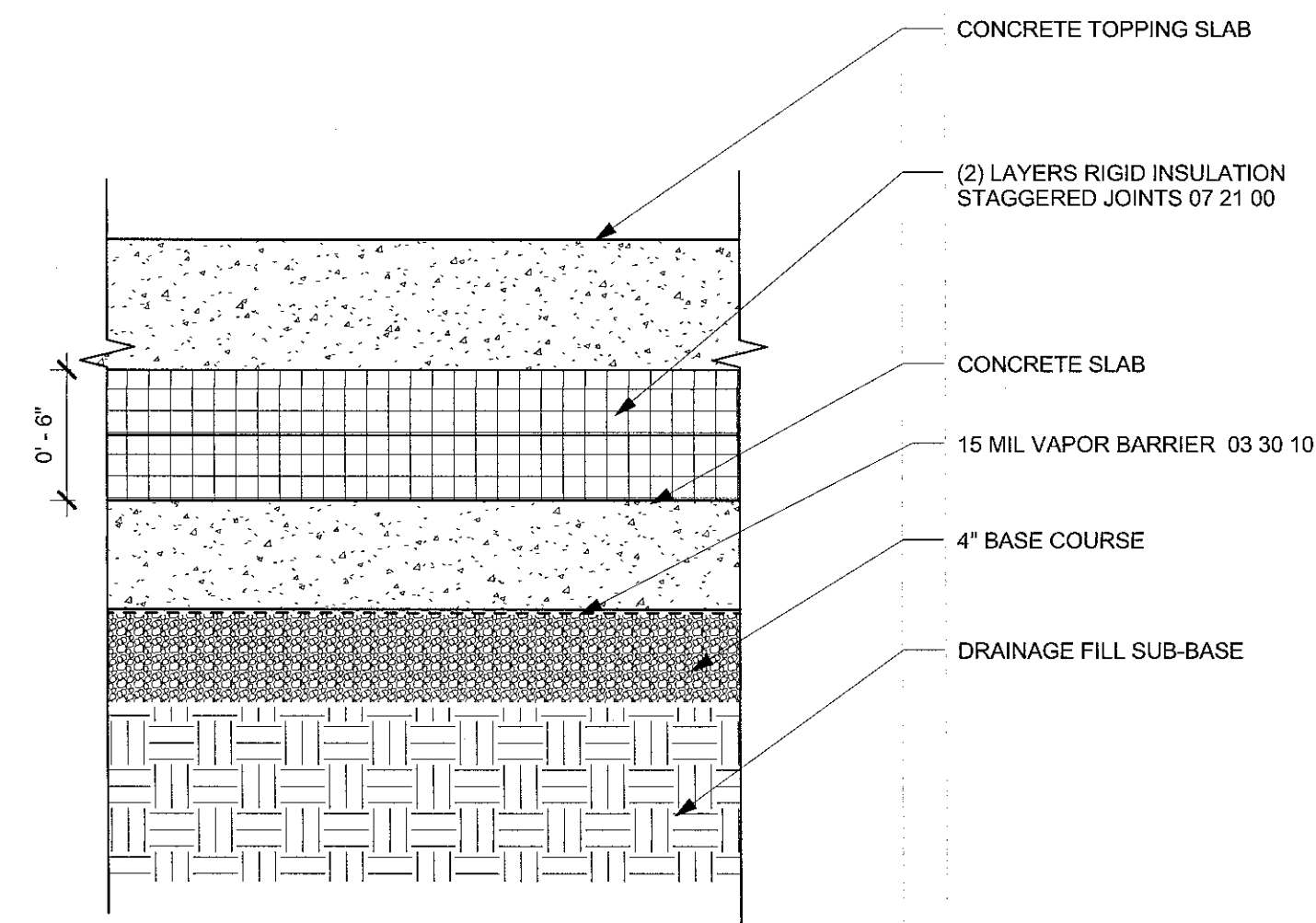
CEILING DETAILS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
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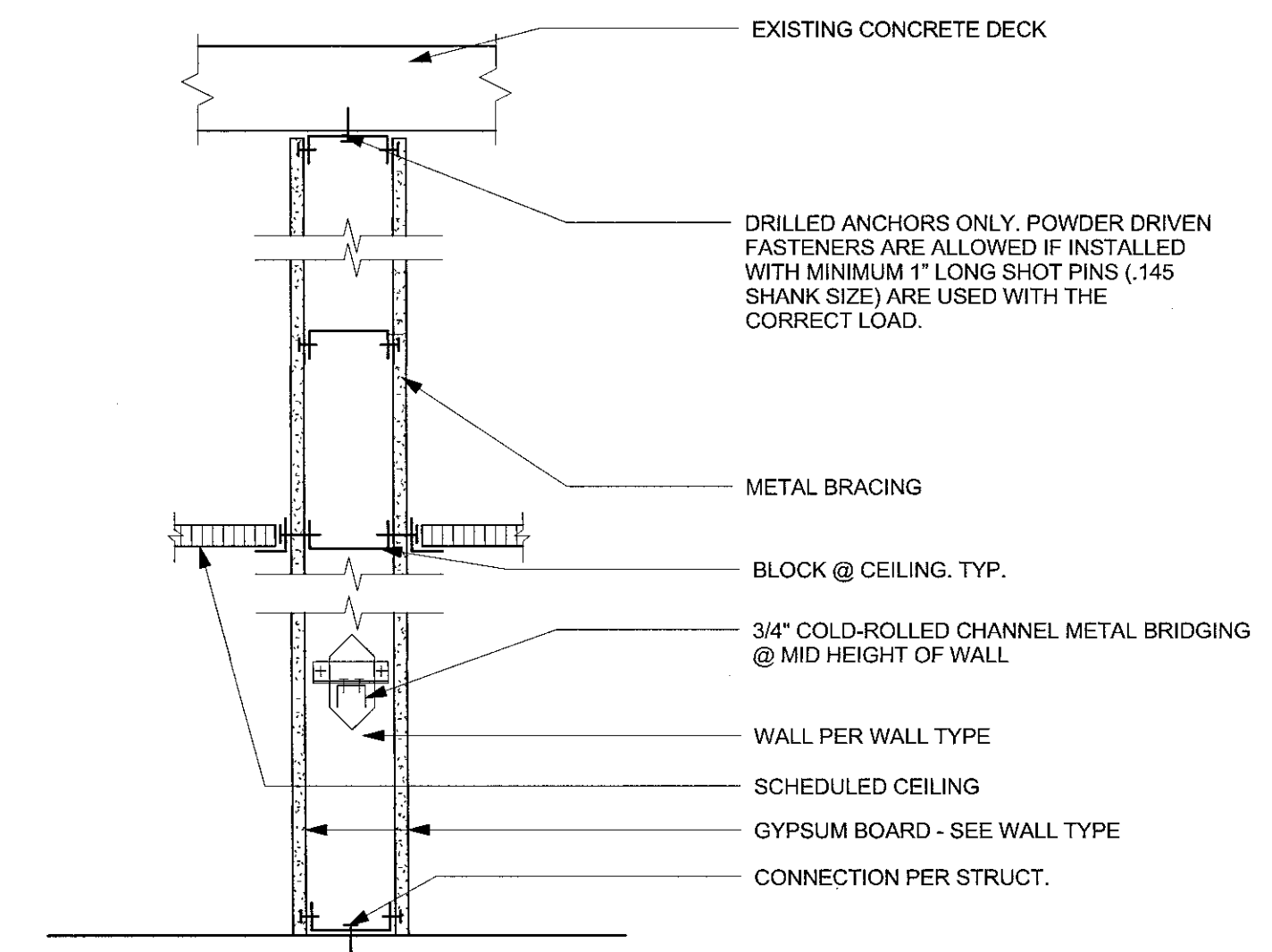
A9.5.1



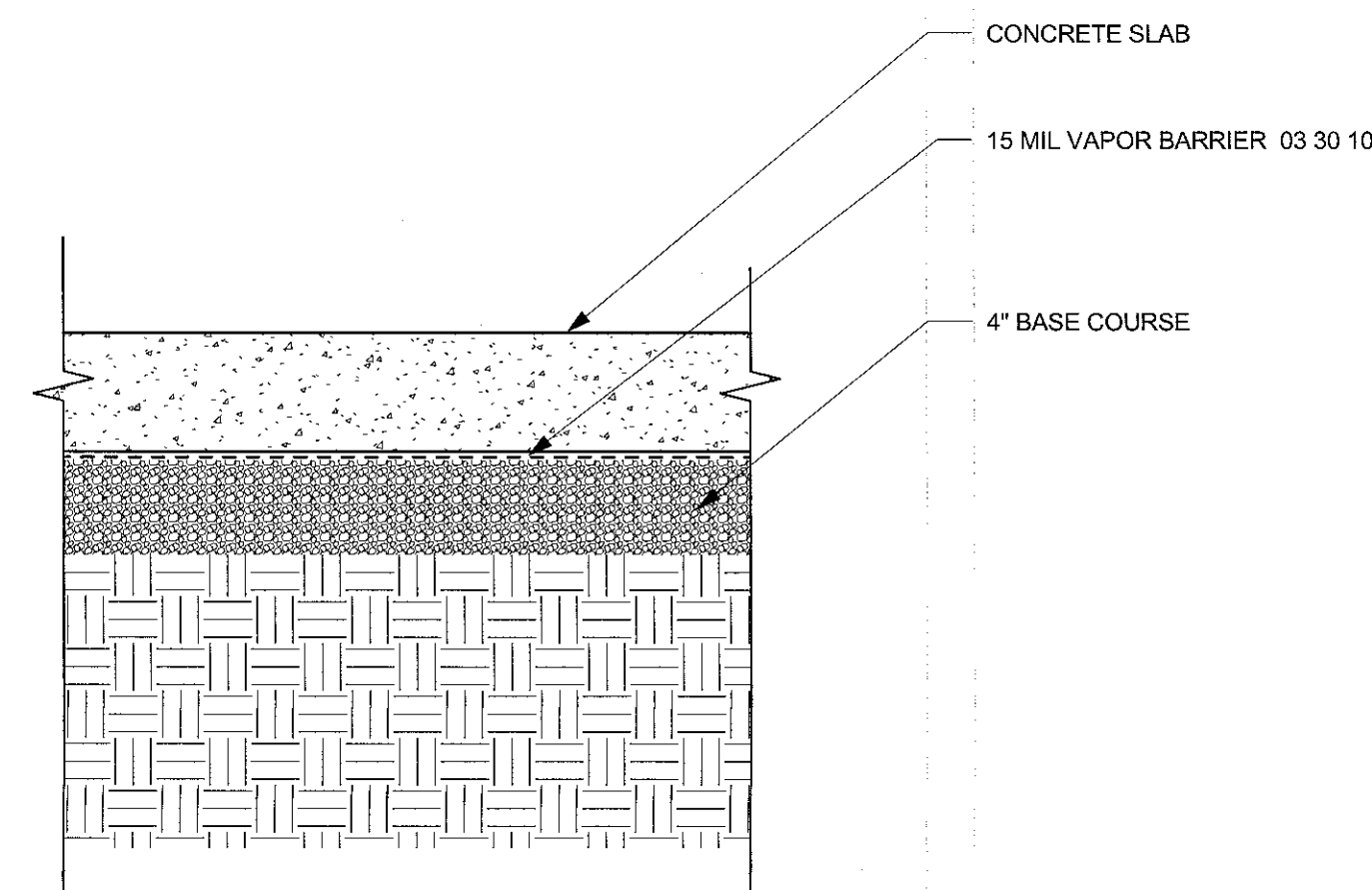
9 WL- SLAB EDGE AT EXISTING WALL
1 1/2" = 1'-0"



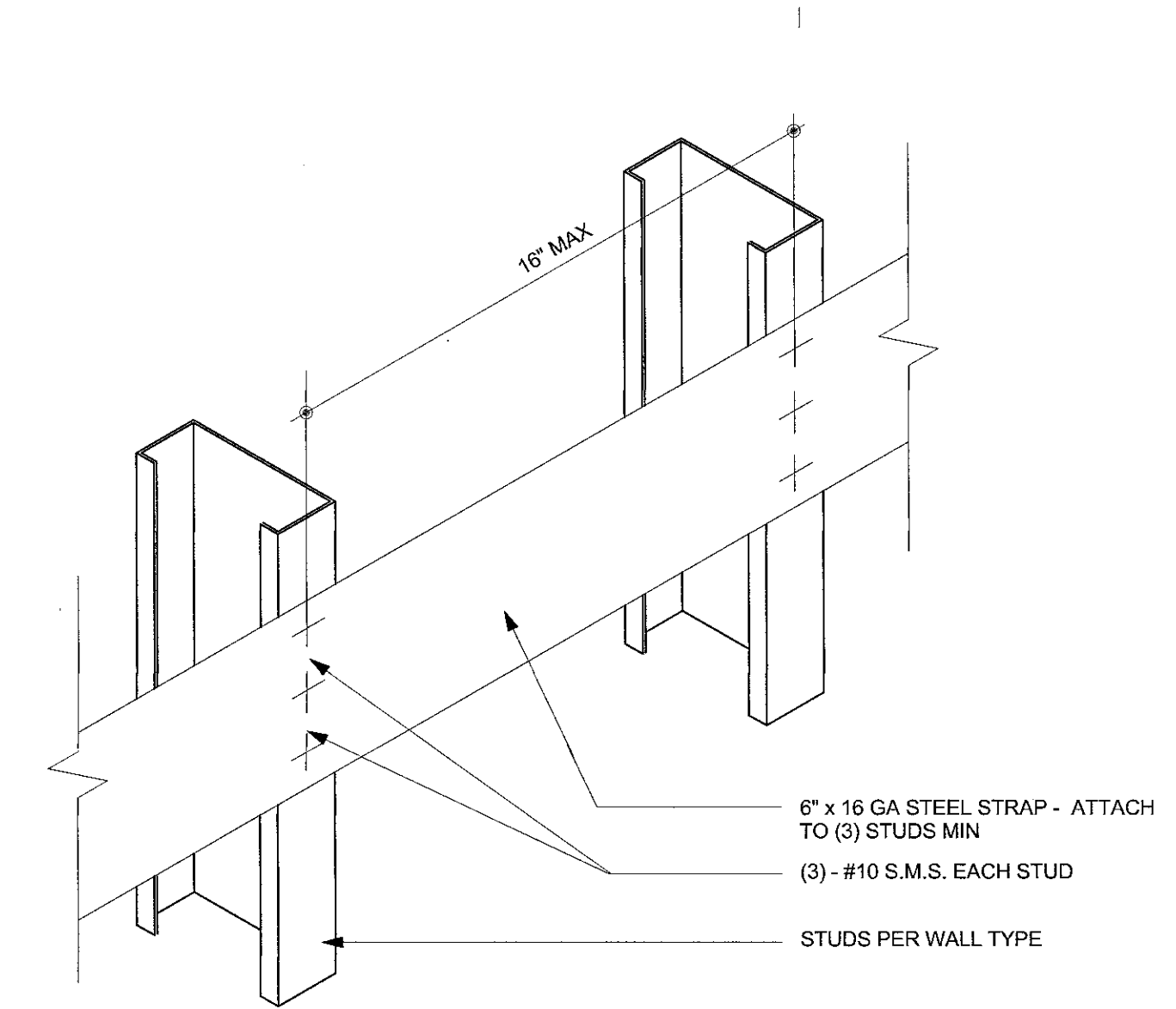
5 ID-INSULATION AT REFRIGERATOR/FREEZER
1 1/2" = 1'-0"



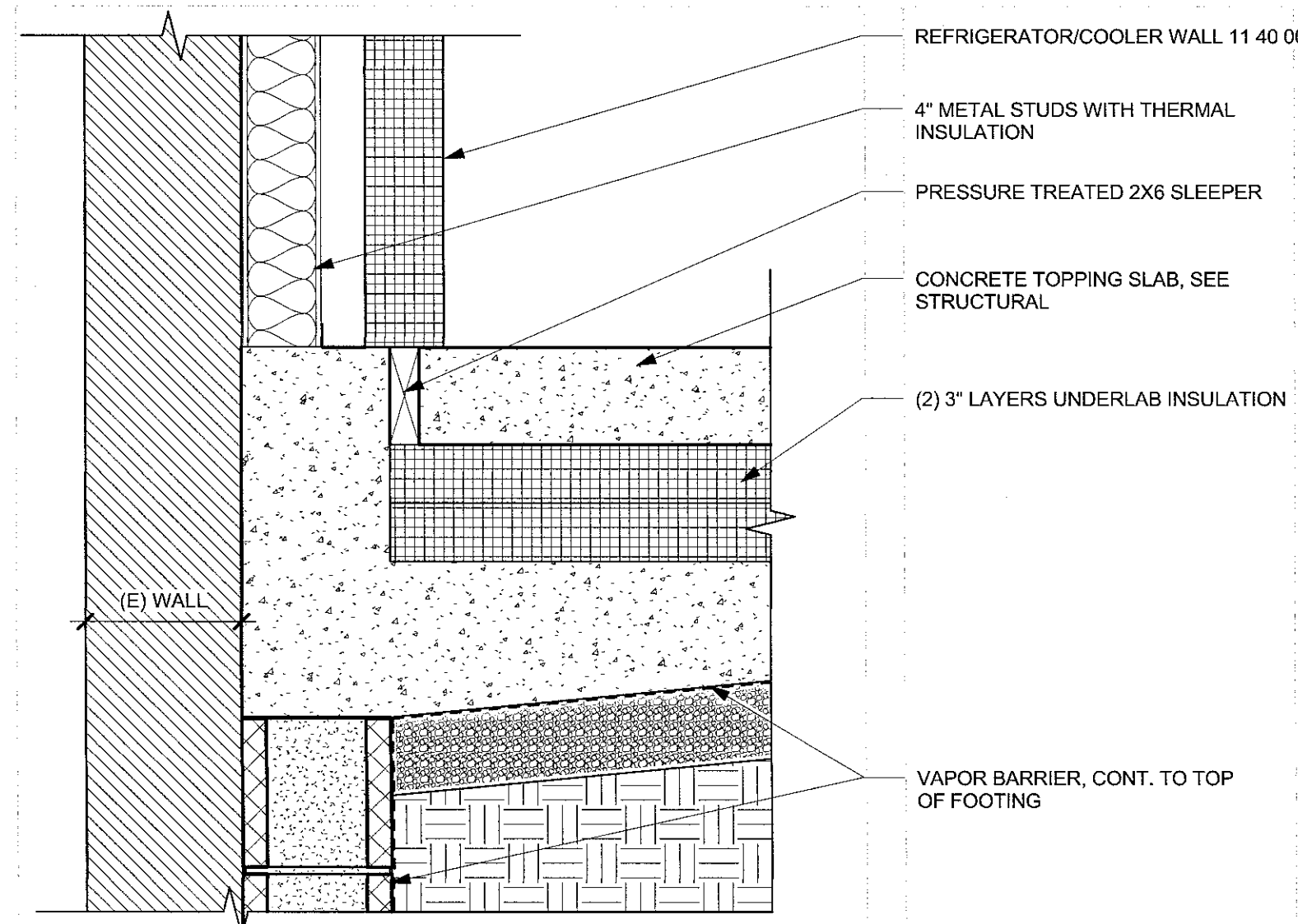
1 METAL STUD BRACING, BLOCKING & BRIDGING
1 1/2" = 1'-0"



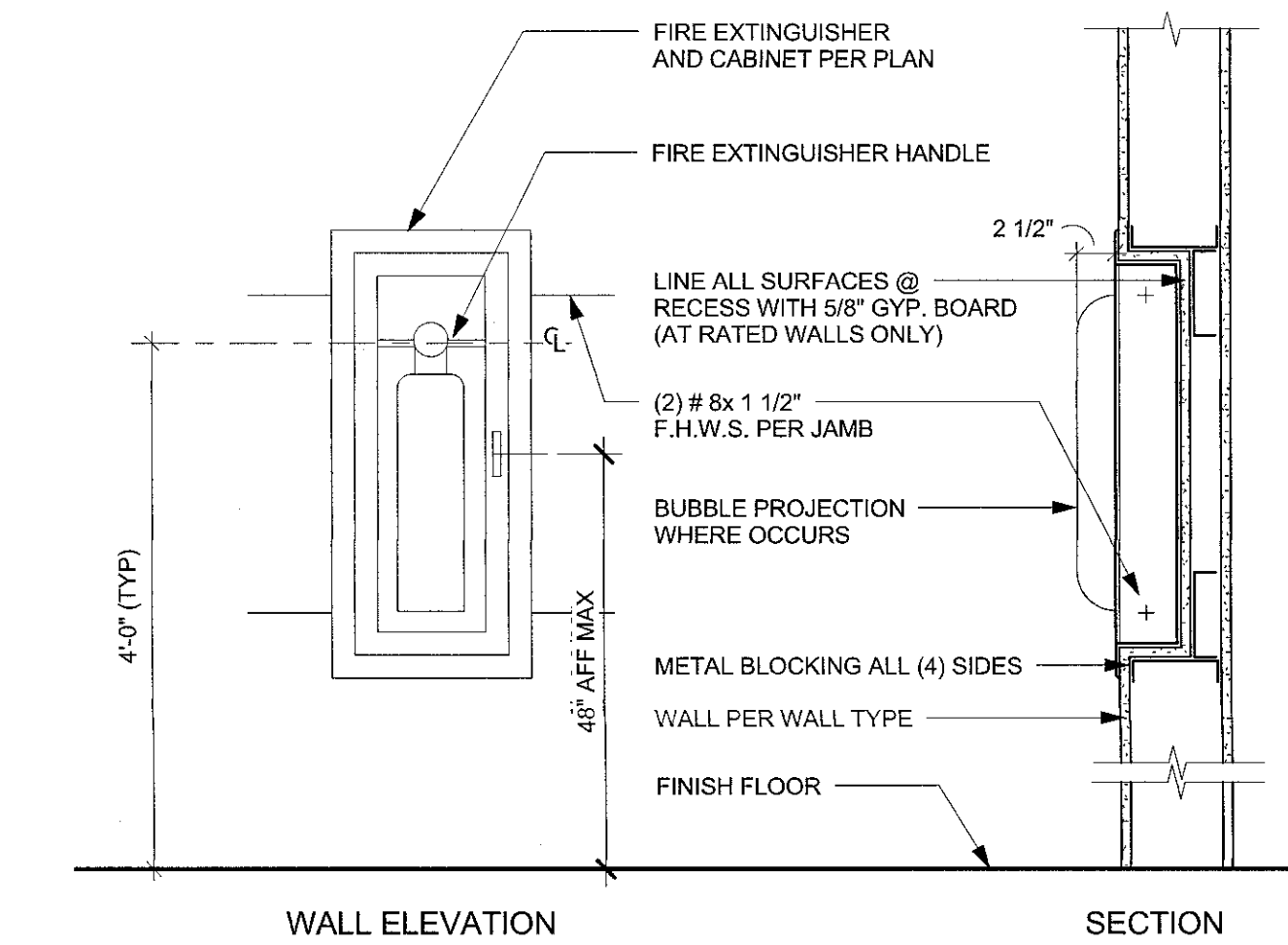
6 ID-TYPICAL SLAB
1 1/2" = 1'-0"



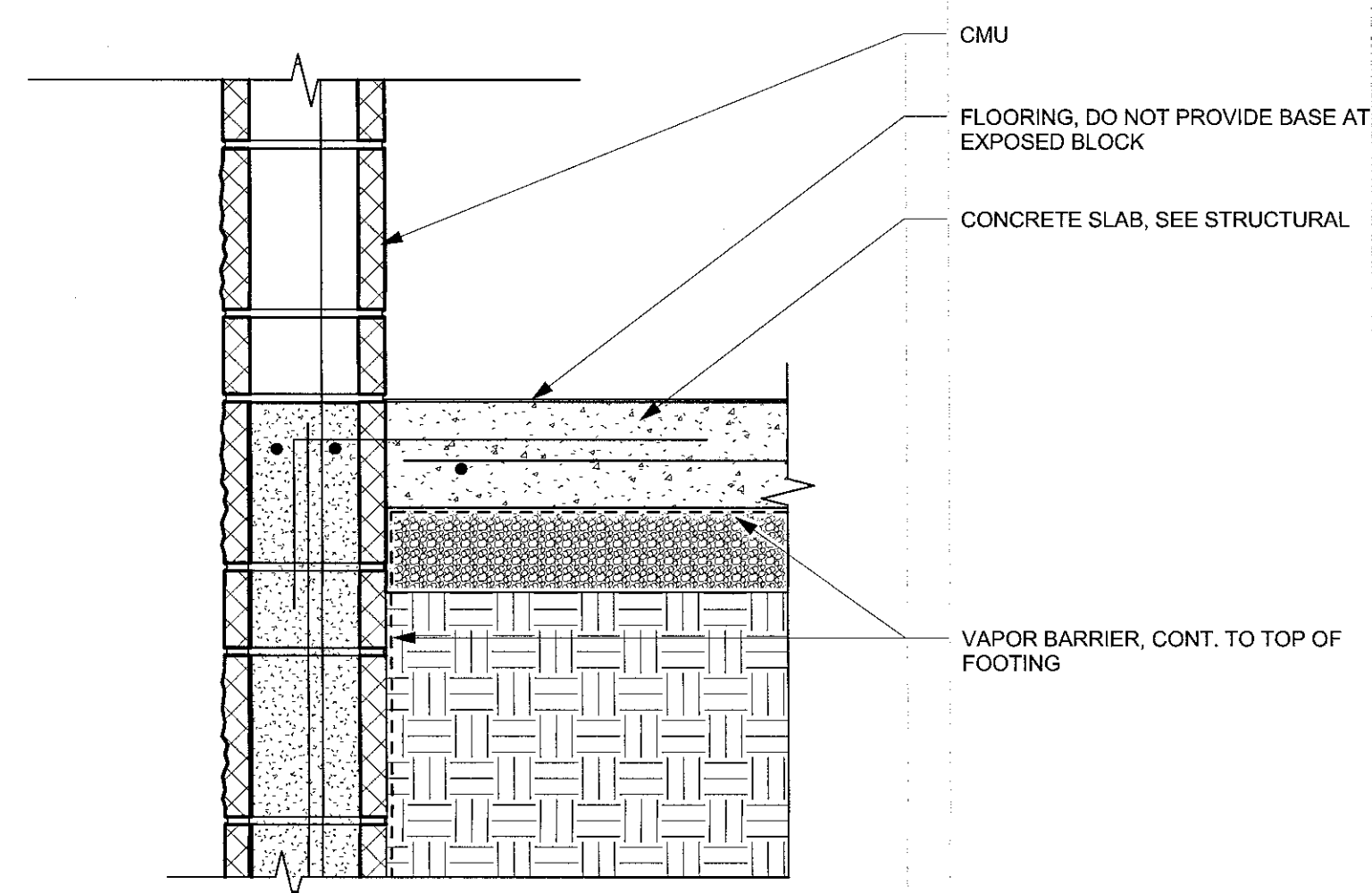
2 TYPICAL BACKING
1:1



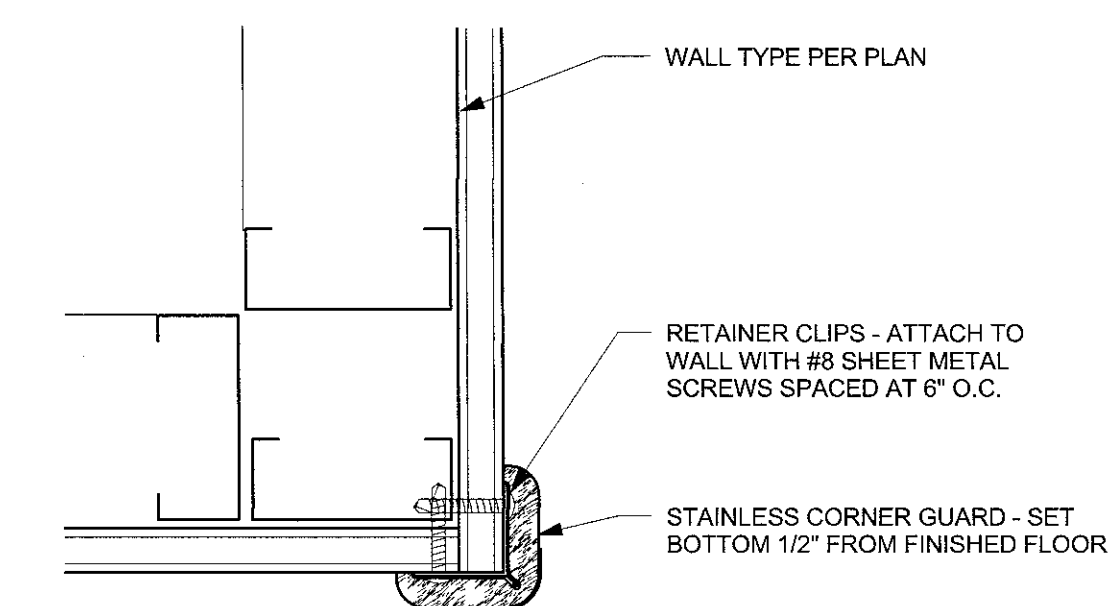
7 WL- SLAB EDGE AT COOLER
1 1/2" = 1'-0"



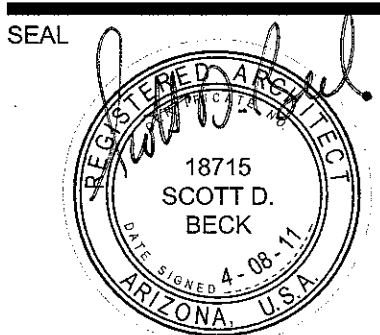
3 FIRE EXTINGUISHER CABINET - FRAME WALL
1" = 1'-0"



8 WL-SLAB AT EXTERIOR WALL
1 1/2" = 1'-0"



4 ID CORNER GUARD B
3" = 1'-0"



EXPIRES 03-31-2014

PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS
EXPANSION

DRAWING TITLE

INTERIOR DETAILS

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			Author	2010-0318-00
			Checked by	@ DATE
			Checker	04/08/11
			DRAWING NO.	

A9.6.1

STRUCTURAL NOTES

GENERAL STRUCTURAL NOTES:

- 1 ALL CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2006 EDITION (IBC-2006).
- 2 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- 3 OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- 4 DO NOT USE SCALED DIMENSIONS, USE WRITTEN DIMENSIONS OR WHERE NO DIMENSION IS PROVIDED, CONSULT WITH THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- 5 DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.
- 6 TYPICAL DETAILS SHALL APPLY IN GENERAL CONSTRUCTION THROUGHOUT UNLESS DETAILED OTHERWISE ON DRAWINGS.
- 7 WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK, OR IF THERE IS NO SIMILAR WORK SHALL BE AS IS STANDARD IN THE INDUSTRY.
- 8 REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DOCUMENTS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
- 9 SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS
- SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS
- SIZE AND LOCATION OF ALL CONCRETE CURBS; FLOOR AND ROOF DRAINS, SLOPES AND DEPRESSED AREAS; CHANGES IN LEVEL; CHAMFERS, CORNER FORMERS, GROOVES, BLOCKOUTS AND INSERTS; PAVING SITE WORK CURBS AND WALLS.
- DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SIZE & LOCATION OF OPENINGS THRU ROOF & FLOOR
- 10 SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
- WALL AND SLAB OPENINGS FOR MECHANICAL PIPE RUNS, TRENCHES, FLOOR DRAINS, ROOF DRAINS, SLUMPS, ETC.
- WALL AND SLAB OPENINGS FOR ELECTRICAL CONDUIT RUNS, BOXES, JUNCTION BOXES IN WALLS, COLUMNS, SLABS, ETC.
- SLEEVES, SLEEVE CLUSTERS AND BLOCKOUTS; AND CONCRETE INSERTS FOR EQUIPMENT AND FIXTURES.
- SIZE AND LOCATION OF MACHINE, TRANSFORMER, SWITCHGEAR AND EQUIPMENT CURBS, BASES AND PADS, AND ANCHOR BOLTS FOR ANCHORED ITEMS.
- 11 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 12 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH AND AS REQUIRED FOR ERECTION.
- 13 LIVE LOADS:
- A) FLOOR: ALL AREAS _____ 100 PSF (ALL FLOOR LOADS UNREDUCIBLE)
- B) ROOF: ALL BUILDING ROOFS _____ 20 PSF (REDUCIBLE)
- 14 SNOW LOADS:
- A) GROUND SNOW LOAD: _____ $P_g = 5$ PSF
- B) FLAT ROOF SNOW LOAD: _____ $P_f = 5$ PSF
- C) SNOW EXPOSURE FACTOR: _____ $C_e = 1.0$
- D) SNOW LOAD IMPORTANCE FACTOR: _____ $I_s = 1.0$ (OCC. CAT. II)
- E) THERMAL FACTOR: _____ $C_t = 1.0$
- 15 WIND LOADS:
- A) BASIC WIND SPEED: _____ 90 MPH
- B) WIND IMPORTANCE FACTOR: _____ $I_w = 1.0$ (OCC. CAT. II)
- C) WIND EXPOSURE CATEGORY: _____ C
- D) INTERNAL PRESSURE COEFFICIENT: _____ $G C_{pi} = \pm 0.18$
- 16 EARTHQUAKE LOADS:
- A) SEISMIC LOAD IMPORTANCE FACTOR: _____ $I_E = 1.0$ (OCC. CAT. II)
- B) MAPPED SPECTRAL RESPONSE ACCELERATIONS:
- SPECTRAL ACCELERATIONS FOR SHORT PERIODS: _____ $S_S = 28.3\%$
- SPECTRAL ACCELERATIONS FOR 1 SECOND PERIODS: _____ $S_1 = 8.1\%$
- C) SITE CLASS: _____ D
- D) SPECTRAL RESPONSE COEFFICIENTS: _____ $S_{DS} = 0.297$
- _____ $S_{D1} = 0.130$
- E) SEISMIC DESIGN CATEGORY: _____ B
- F) BASIC SEISMIC FORCE RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
- G) DESIGN BASE SHEAR: _____ $V = 0.085W$
- H) RESPONSE MODIFICATION FACTOR: _____ $R = 3.5$
- I) ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE ANALYSIS

FOUNDATION NOTES:

- 1 FOUNDATION DESIGN BASED UPON THE FOLLOWING:
- GEOTECHNICAL REPORT BY: SERGENT HAUSKINS AND BECKWITH
- REPORT NO.: B91-1-6019
- DATED: JULY 8, 1991
- ALLOWABLE SOIL PRESSURE: 3000 PSF FOR DEAD & LIVE LOADS
- MIN. FTG. DEPTH BELOW LOWEST ADJACENT GRADE: 1'-6"
- 2 THE SITE HAS PREVIOUSLY BEEN PREPARED TO REMOVE EXISTING UNSATISFACTORY SOILS AND HAS HAD ALL FILL SOILS COMPACTED WITHIN THE AREAS TO RECEIVE BUILDINGS.
- ALL FOUNDATIONS SHALL BEAR ON ENGINEERED FILL OR SATISFACTORY EXISTING SOILS.
- A GEOTECHNICAL ENGINEER SHALL INSPECT ALL EXCAVATIONS AND APPROVE ALL FOUNDATION BEARINGS PRIOR TO PLACING CONCRETE.
- ALL FILL AND BACKFILL PLACED SHALL BE ENGINEERED TESTED COMPACTED FILL WHICH IS PLACED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS.
- 3 REFER TO GEOTECHNICAL REPORT AND DIVISION 2 OF THE SPECIFICATIONS FOR DETAILS OF EARTHWORK REQUIREMENTS.
- 4 CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
- 5 CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS.
- 6 ALL EXCAVATION SHALL BE PROPERLY BACKFILLED. SEE GEOTECHNICAL REPORT FOR QUALITY AND EXTENT OF BACKFILL MATERIAL. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.
- 7 ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
- 8 INTERIOR BUILDING SLABS SHALL BE PLACED OVER 15 MIL. VAPOR BARRIER OVER 4" BASE COURSE, REFER TO SPECIFICATIONS.

DEFERRED SUBMITTALS:

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR REVIEW, AND THEN FORWARDED TO THE BUILDING OFFICIAL WITH NOTATION THAT THE DEFERRED SUBMITTAL DOCUMENTS ARE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING(S). THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE FOLLOWING ITEMS SHALL BE CLASSIFIED AS DEFERRED SUBMITTALS:

- 1 STEEL JOISTS AND JOIST CALCULATIONS.

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS, PAID FOR BY THE OWNER, SHALL BE PERFORMED BY A QUALIFIED INSPECTOR, AS REQUIRED BY SECTION 1704 OF THE INTERNATIONAL BUILDING CODE, 2006 EDITION (IBC-2006).

THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTION. SEE PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

- A. ENGINEERED FILL PLACEMENT
- B. FOUNDATION EXCAVATIONS PRIOR TO CONCRETE PLACEMENT
- C. STRUCTURAL CONCRETE WORK
- D. BOLTS INSTALLED IN CONCRETE
- E. REINFORCING STEEL
- F. STRUCTURAL WELDING, (FIELD & SHOP)
- G. HIGH STRENGTH BOLTS (SNUG TIGHT)
- H. POST INSTALLED BOLTS (EXPANSION OR EPOXY TYPE)
- I. REINFORCING SECURED WITH EPOXY
- J. ALL MASONRY CONSTRUCTION WORK

ANCHOR SYSTEMS:

- 1 SEE STRUCTURAL DETAILS FOR TYPE OF BOLTS, USE ONLY AS INDICATED ON STRUCTURAL DRAWINGS.
- 2 POST INSTALLED ADHESIVE (EPOXY) ANCHORS INTO MASONRY SHALL BE HILTI "HIT-HY 150 MAX" ADHESIVE WITH HILTI "HAS-E" ANCHOR, OR APPROVED EQUAL, WITH CURRENT ICC REPORT. ALL INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. AT HOLLOW CELLS, SOLID GROUT 8" ABOVE, BELOW AND EACH SIDE OF NEW ANCHOR, PER MASONRY NOTE #5.
- 3 POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI "KWIK BOLT T2" EXPANSION ANCHORS, OR APPROVED EQUAL, WITH CURRENT ICC REPORT. ALL INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 4 POST INSTALLED ADHESIVE (EPOXY) REINFORCING BAR DOWELS AND STEEL RODS SHALL BE ANCHORED USING A TWO PART LOW VISCOSITY EPOXY MIX SPECIFICALLY DESIGNED FOR ANCHORING REINFORCING OR STEEL RODS. PROVIDE HILTI "HIT-ICE/HIT HY-150" ADHESIVE OR APPROVED EQUAL, WITH CURRENT ICC REPORT. ALL INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

CONCRETE:

- 1 ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST APPROVED EDITIONS, WITH MODIFICATIONS AS NOTED IN THE DRAWINGS' OR SPECIFICATIONS.
- 2 SCHEDULE OF STRUCTURAL CONCRETE 28-DAY DESIGN STRENGTHS:
- | LOCATION IN STRUCTURE | STRENGTH (PSI) |
|-------------------------|------------------|
| STEM WALLS AND FOOTINGS | 3,000 NORMAL-WT. |
| SLAB ON GRADE | 4,000 NORMAL-WT. |
| ALL OTHER CONCRETE | 3,000 NORMAL-WT. |
- 3 ALL REINFORCING BARS AND DOWELS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- 4 PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE ARCHITECT IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- 5 PROJECTING EXPOSED CORNERS OF BEAMS, COLUMNS, WALLS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER U.N.O. ON ARCHITECTURAL DRAWINGS.
- 6 OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
- 7 PROVIDE 1/2" PREFORMED JOINT FILLER WHERE EXTERIOR SLAB ABUTS VERTICAL SURFACES, TYP. U.N.O.
- 8 CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS UNLESS SPECIFICALLY DETAILED OTHERWISE:

	MIN. COVER, INCHES
CONCRETE CAST AGAINST EARTH...	3
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER BARS.....	2
#5 AND SMALLER BARS.....	1 1/2
SLABS ON GRADE.....	2 INCHES CLR. TO TOP OF SLAB, U.N.O.

MASONRY:

- 1 DESIGN COMPRESSIVE STRENGTH $F'm = 1500$ PSI MIN.
- 2 CONCRETE BLOCK SHALL BE NORMAL WEIGHT HOLLOW CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. $F'm = 1900$ PSI ON NET AREA.
- 3 PORTLAND CEMENT: ASTM C150, TYPE II.
- 4 MORTAR MIX SHALL CONFORM TO REQUIREMENTS OF ASTM C270 PROPORTION SPECIFICATIONS, THE IBC, AND PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS.
- 5 GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C476 AND THE IBC FOR FINE AND COURSE GROUT. GROUT SHALL BE PROPORTIONED PER TABLE 1 OF ASTM C476. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
- 6 PROVIDE A MINIMUM OF (1) BAR DIA. GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
- 7 ALL CELLS CONTAINING REINFORCEMENT SHALL BE GROUTED SOLID.
- 8 SOLID GROUT ALL MASONRY BELOW GRADE.
- 9 HORIZONTAL JOINT REINFORCEMENT SHALL BE AS FOLLOWS: GALVANIZED CARBON STEEL WELDED WIRE UNITS, LADDER DESIGN, PREFABRICATED WITH DEFORMED CONTINUOUS SIDE RODS, WITH MINIMUM STRAIGHT LENGTH OF 10'-0" AND PREFABRICATED CORNER AND TEE UNITS. WIRE DIAMETER FOR SIDE AND CROSS RODS SHALL BE 0.1483 INCH (9 GAGE), SIDE RODS SHALL BE LAPPED 6" MIN. AT SPLICES.

REINFORCING STEEL:

- 1 ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION), AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" (LATEST APPROVED EDITION) BY THE C.R.S.I., AS MODIFIED BY THE DRAWINGS AND SPECIFICATIONS.
- 2 REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60 FOR ALL BARS. WHERE REINFORCING IS INDICATED TO BE WELDED, PROVIDE REINFORCING CONFORMING TO TO THE REQUIREMENTS OF ASTM A706.
- 3 DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE VERTICAL REINFORCING ABOVE.
- 4 REINFORCING BAR SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS. THE MINIMUM SPLICE LAP LENGTH SHALL BE AS FOLLOWS:
- MIN. LAP SPLICE IN CONCRETE: REFER TO DETAIL $\left(\frac{5}{S3.1} \right)$
- MIN. LAP SPLICE IN MASONRY: REFER TO DETAIL $\left(\frac{7}{S4.1} \right)$
- UNLESS SHOWN OTHERWISE ON THE DRAWINGS, SPLICE BARS SHALL BE PLACED AT THE SAME EFFECTIVE DEPTH U.N.O.. REINFORCING BARS MARKED "CONT." OR WITH LENGTH NOT SHOWN SHALL BE FULLY CONTINUOUS AND SPLICED ONLY AS SHOWN.
- 5 ALL REINFORCING BAR BENDS AND HOOKS SHALL BE STANDARD ACI BENDS AND HOOKS UNLESS SPECIFICALLY NOTED OTHERWISE ON STRUCTURAL DRAWINGS.

STRUCTURAL STEEL:

- 1 STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION AND SUPPLEMENTS).
- 2 ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS STANDARDS. (LATEST EDITION AND SUPPLEMENTS). WELDS SHALL BE PERFORMED USING SHIELDED METAL ARC WELDING WITH E70XX ELECTRODES. ALL WELDS NOT OTHERWISE DETAILED SHALL BE FILLET WELDED, ALL EDGES, CONTINUOUSLY WITH MINIMUM WELD SIZE PER AWS STANDARDS.
- 3 STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992.
- 4 ALL OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS: ASTM A36.
- 5 SQUARE AND RECTANGULAR HSS: ASTM A500, GRADE B (FY = 46 KSI).
- 6 ROUND HSS: ASTM A500, GRADE B. (FY = 42 KSI).
- 7 UNFINISHED THREADED BOLTS (MACHINE BOLTS): ASTM A307, GRADE A.
- 8 ANCHOR RODS AND ANCHOR BOLTS: ASTM F1554, GRADE 36 (OR GRADE 55 WELDABLE, WHERE NOTED). NUTS PER ASTM A194 OR A563 TO MATCH ROD GRADE. WASHERS PER ASTM F436 WITH ADEQUATE HOLE COVERAGE.
- 9 PLAIN AND THREADED BARS: ASTM A36.
- 10 HIGH STRENGTH BOLTS: ASTM A325-N AND SPECIFICATIONS.
- 11 CONCRETE ANCHOR STUDS (C.A.S.) SHALL CONFORM TO ASTM A108, GRADE 1015 OR 1020. ATTACH C.A.S. WITH AUTOMATICALLY TIMED ELECTRIC-ARC STUD WELDING (FULL FUSION) AS PER MFR. AND AWS D1.1:2000 CHAPTER 7.
- 12 DRYPACK UNDER STEEL BASE PLATES SHALL BE ASTM C1107, NON-SHRINK, NON-METALLIC GROUT AS MANUFACTURED BY US GROUT CORP., "FIVE STAR GROUT" OR APPROVED EQUAL.

STEEL JOISTS:

- 1 ALL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS. THE JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. THE MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS STAMPED BY AN ENGINEER, STRUCTURAL BRANCH, CURRENTLY REGISTERED IN THE STATE OF ARIZONA.
- 2 INSTALL BRIDGING SIMULTANEOUSLY WITH JOIST ERECTION BEFORE CONSTRUCTION LOADS ARE APPLIED. THE JOIST MANUFACTURER SHALL VERIFY THE NUMBER OF ROWS OF BRIDGING REQUIRED. MINIMUM ANGLE SIZE SHALL BE 1 1/2"x1 1/2"x7/64". THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY, AND INSTALLATION OF ALL TEMPORARY ERECTION BRACING AS REQUIRED FOR COMPLETE SAFETY AND CONFORMANCE TO THE 2003 IBC. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL NECESSARY ANCHORS, BRACING, AND BRIDGING WITH THE JOIST MANUFACTURER.
- 3 THE STEEL JOIST MANUFACTURER SHALL DESIGN THE ROOF JOISTS FOR DEPTH INDICATED. IN ADDITION TO THE UNIFORM ROOF DEAD AND LIVE LOADS, THE JOISTS SHALL BE DESIGNED FOR ANY SPECIAL CONCENTRATED LOADS SHOWN ON THE DRAWINGS (I.E. MECHANICAL EQUIPMENT LOADS, WALL BRACE REACTIONS, ETC.)

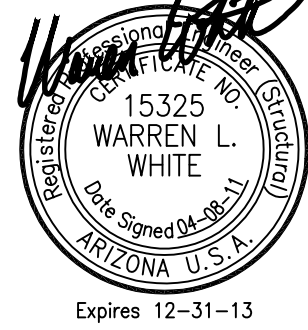
DESCRIPTION OF JOIST DESIGN LOADING:

TOTAL DESIGN LOADING (PLF) $\left(\frac{252}{120} \right)$ LIVE DESIGN LOADING (PLF) (SUPERIMPOSED)

UPLIFT DESIGN LOADING: ALL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 80 PLF. PROVIDE ADDITIONAL BRIDGING AS REQUIRED.

DEFLECTION CRITERIA FOR DESIGN:

- 1) TOTAL LOAD DEFLECTION SHALL BE LIMITED TO L/240 OF THE SPAN.
- 2) LIVE LOAD DEFLECTION SHALL BE LIMITED TO L/360 OF THE SPAN.
- 3) PROVIDE NOT LESS THAN STANDARD "SJ" CAMBER.
- 4 AT JOIST ROOF FRAMING, PROVIDE JOISTS AT ROOF RIDGES AND LOW POINTS WITH DRAINS, COORDINATE ROOF RIDGES AND DRAIN LOCATIONS WITH ARCH. ROOF PLANS.
- 5 AT ROOF FRAMING SEE MECH. DWGS. FOR WEIGHTS OF ROOF SUPPORTED MECHANICAL UNITS, JOIST MFR. SHALL DESIGN JOISTS PER NOTE 3 ABOVE.



STRUCTURAL NOTES

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
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A	
A.F.F.	ABOVE FINISH FLOOR ELEVATION
ACTL	ACTUAL
ADD.	ADDITION
ADDNL.	ADDITIONAL
ADJ.	ADJACENT
ALT.	ALTERNATE
A.N.S.I.	AMERICAN NATIONAL STANDARDS INSTITUTE
A.C.I.	AMERICAN CONCRETE INSTITUTE
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A.S.T.M.	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ANCH.	ANCHOR
A.B.	ANCHOR BOLT
&	AND
ARCH.	ARCHITECT (URAL)
AUX.	AUXILIARY

B/B	BACK TO BACK
BM.	BEAM
BRG.	BEARING
BTWN.	BETWEEN
BLKG.	BLOCKING
BOT.	BOTTOM
B.O.	BOTTOM OF
BRDG.	BRIDGING
BLDG.	BUILDING
B.L.	BUILDING LINE
B.U.R.	BUILT UP ROOFING

CAP.	CAPACITY
CLG.	CEILING
CTR.	CENTER
	CENTER LINE
C/C	CENTER TO CENTER
CHAM.	CHAMFER
CHD.	CHORD
CLR.	CLEAR
C.A.S.	CONCRETE ANCHOR STUD (S)
COLUMN	
COMP.	COMPOSITE
CONCRE.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN.	CONNECTION/CONNECT
CONSTR.	CONSTRUCTION
CONSTR. JT.	CONSTRUCTION JOINT
C.J.	CONSTRUCTION JOINT
CONT.	CONTINUOUS
C.T.J.	CONTRACTION JOINT
CONTR.	CONTRACTOR
CTS.K.	COUNTERSINK
X-SECT.	CROSS SECTION
C.F.	CUBIC FOOT
C.Y.	CUBIC YARD

DL	DEAD LOAD
DEMO.	DEMOLITION
DEPR.	DEPRESSION
D	DEPTH (DIMENSION)
DTL.	DETAIL
DIAG.	DIAGONAL
DIA. OR Ø	DIAMETER
DIM.	DIMENSION
DO	DITTO
DBL.	DOUBLE
DWL.	DOWEL
DN.	DOWN
DWG.	DRAWING (S)

EA.	EACH
E.F.	EACH FACE
E.S.	EACH SIDE
E.W.	EACH WAY
ELECT.	ELECTRICAL
ELEV. (EL)	ELEVATION
EMBED.	EMBEDMENT
ENGR.	ENGINEER
ENGR. FILL	ENGINEERED FILL
EQ.	EQUAL
EQUIP.	EQUIPMENT
EST.	ESTIMATE
EXCAV.	EXCAVATION
EXP.	EXPANSION
EXP. JT.	EXPANSION JOINT
EXIST. (E)	EXISTING
EXT.	EXTERIOR

FAB.	FABRICATE
F.O.M.	FACE OF MASONRY
F.O.W.	FACE OF WALL
F.S.	FAR SIDE
FIN.	FINISH
F.F.E.	FINISH FLOOR ELEVATION
FLG.	FLANGE
FLR.	FLOOR
FT.	FOOT/FEET
FTG.	FOOTING
FDN.	FOUNDATION
FRMG.	FRAMING
FURN.	FURNISH
FVD	FIELD VERIFY DIMENSION

GA.
GALV.
GEN.
GEN. CONTR.
G.S.N.

HT.
(H)&(L)
H.S.B.
HSS
HK.
HORIZ. (H)

IN.
INS.
I.D.
I.F.

INT.	INTERIOR
I.B.C.	INTERNATIONAL BUILDING CODE
I.C.C.	INTERNATIONAL CODE COUNCIL
I.C.B.O.	INTERNATIONAL COUNCIL OF BUILDING OFFICIALS

JT.
JST.

K	KIP (S) (1000 POUNDS)
KSF	KIP (S) PER SQUARE FEET
KSI	KIP (S) PER SQUARE INCH
K.O.	KNOCK-OUT

LG.
LT. WT.
LSH
LSV
LIN.
LL
LD.
L.L.H.
L.L.V.
LG.

M.B.	MACHINE BOLT
MFR.	MANUFACTURER
MAS.	MASONRY
MCJ	MASONRY CONTROL JOINT
M.O.	MASONRY OPENING
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS

N.S.	NEAR SIDE
(N)	NEW
NOM.	NOMINAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N/A	NOT APPLICABLE
NO.	NUMBER

O.C.	ON CENTER
OPNG.	OPENING
O.W.S.J.	OPEN WEB STEEL JOISTS
OPP.	OPPOSITE
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE

PEN.
PERIM.
PERP.
PILAS.
PL.
PLMB.
PT.
P.V.C.
LBS. #
P.C.F.
P.S.F.
P.S.I.
P.L.F.
PRE-ENG.
PREFAB.

RAD.
RECT.
REF.
REINF.
REINF. STL.
REQ'D.
REQMT.
REV.
R.O.
R.S.
RND.

SCHED.	SCHEDULE
SEC.	SECTION
SHTG.	SHEATHING
SHT.	SHEET
SH. MTL.	SHEET METAL
SIM.	SIMILAR
SLH	SHORT LEG
SLV	SHORT LEG VERTICAL
SPA	SPACING
SPECS.	SPECIFICATIONS
SQ.	SQUARE
SQ. FT.	SQUARE FEET
SQ. IN.	SQUARE INCH
STGR.	STAGGER (ED)
STD.	STANDARD
STL.	STEEL
STIFF.	STIFFENER
STRUCT.	STRUCTURAL
SYMM.	SYMMETRICAL

TEMP.	TEMPORARY
THK.	THICK
THRU	THROUGH
T.&G.	TONGUE AND GROOVE
T.&B.	TOP AND BOTTOM
T.O.	TOP OF
T.O.B.	TOP OF BEAM
T.O.D.	TOP OF DECK
T.O.F.	TOP OF FOOTING
T.O.J.	TOP OF JOIST
T.O.L.	TOP OF LEDGER
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TL	TOTAL LOAD
TS	TUBE SECTION
TYP.	TYPICAL

U.B.C.	UNIFORM BUILDING CODE
U.N.O.	UNLESS NOTED OTHERWISE
UNPUN.	UNPUNCHED
UTIL.	UTILITY

VERT. (V)

WT.	WEIGHT
W.F.	WIDE FLANGE
WL	WIND LOAD
W/	WITH
W/O	WITH OUT
W.P.	WORKING POINT

- 1 EXCEPT FOR ITEMS OR MATERIALS INDICATED BY THE OWNER TO BE
2 REUSED, SALVAGED, REINSTALLED OR OTHERWISE INDICATED TO REMAIN
3 THE OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME THE
4 CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE
5 WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION.
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B COVER AND PROTECT FURNITURE, FURNISHINGS, AND EQUIPMENT THAT HAVE NOT BEEN REMOVED.

9 PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING
OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT
MOVEMENT, SETTLEMENT, OR COLLAPSE OF BUILDING.

11 PROMPTLY PATCH AND REPAIR HOLES AND DAMAGED SURFACES
CAUSED BY DEMOLITION OPERATIONS.

13 PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE WHERE DEMOLISHED WALLS OR PARTITIONS EXTEND ONE FINISHED AREA INTO ANOTHER. PROVIDE A FLUSH AND EVEN SURFACE OF UNIFORM COLOR AND APPEARANCE.

14 DISPOSAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.

A TRANSPORT DEMOLISHED MATERIALS OFF OWNERS PROPERTY
AND LEGALLY DISPOSE OF THEM.

15 NO WELDING WILL BE PERMITTED INSIDE THE STRUCTURE WITHOUT
PERMIT FROM OWNER.
THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY
OF ALL WELDING DONE IN THE FIELD, AND SHALL RIGIDLY CONFORM TO
ALL OSHA AND ALL OTHER APPLICABLE CODES AND REGULATIONS. ALL
NECESSARY PRECAUTIONS SHALL BE TAKEN TO INSURE THE FIRE SAFETY
OF THE EXISTING BUILDING.

1. SPECIAL INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY AND IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE (IBC) CHAPTER 17.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, APPROVED BY THE OWNER FOR THE INSPECTION OF THE PARTICULAR TYPE OF WORK REQUIRING SPECIAL INSPECTION.
3. THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER, THE ENGINEER OR THE ARCHITECT OF RECORD, OR AN AGENT OF THE OWNER, BUT NOT THE CONTRACTOR.
4. SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED ENGINEER IN THE STATE OF ARIZONA.
5. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY THE OWNER'S INSPECTOR. ALL WORK REQUIRING SPECIAL INSPECTION WHICH IS INSTALLED OR COVERED WITHOUT APPROVAL OF THE OWNER'S INSPECTOR IS SUBJECT TO REMOVAL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTORS WITH A CONSTRUCTION SCHEDULE AND SAFE ACCESS FOR PERFORMING INSPECTION/ON-SITE TESTING. THE CONTRACTOR SHALL PROVIDE A 48 HOUR MINIMUM NOTICE FOR THE SPECIAL INSPECTOR AND TESTING LABORATORY PRIOR TO BEGINNING ANY WORK FOR WHICH SPECIAL INSPECTIONS OR TESTING IS REQUIRED.
7. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO STOP OR DELAY ANY WORK, IF THE CONTRACTOR ELECTS TO CONTINUE WITH CERTAIN WORK AFTER BEING NOTIFIED BY THE SPECIAL INSPECTOR THAT SUCH WORK IS UNACCEPTABLE, THE CONTRACTOR DOES SO AT THEIR OWN RESPONSIBILITY, AND RISKS CORRECTING/REMOVING THE WORK AT A LESS OPPORTUNE TIME.
8. THE SPECIAL INSPECTOR IS NOT INSPECTING FOR OSHA COMPLIANCE AND TEMPORARY CONSTRUCTION, SUCH AS BRACING OR ANY SAFETY RELATED ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE FACILITIES FOR THE STRUCTURAL INSPECTOR, TO ALLOW THE INSPECTOR TO PERFORM THEIR WORK SAFELY, AND EFFICIENTLY.
9. SPECIAL INSPECTION IS REQUIRED FOR THE ITEMS LISTED IN THE SPECIAL INSPECTION REQUIREMENTS TABLE.
10. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
 - A) SPECIAL INSPECTORS SHALL INSPECT ALL APPLICABLE WORK FOR CONFORMANCE WITH THE CONTRACT (SEALED) DRAWINGS AND SPECIFICATIONS AND APPLICABLE PROVISIONS OF THE IBC.
 - B) SPECIAL INSPECTORS SHALL BRING NONCONFORMING ITEMS OF WORK THEY INSPECT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR. IF ANY ITEM IS NOT RESOLVED OR IS ABOUT TO BE INCORPORATED IN THE WORK, IT SHALL BE NOTED IN THE SPECIAL INSPECTOR'S WRITTEN REPORT, A DISCREPANCY NOTICE SHALL BE ISSUED

AND POSTED NOTING THE UNRESOLVED DISCREPANCIES, AND THE ENGINEER OR ARCHITECT OF RECORD AND OWNER SHALL BE NOTIFIED IMMEDIATELY BY THE APPROPRIATE MEANS.

THE SPECIAL INSPECTION SHALL FURNISH INSPECTION REPORTS TO THE OWNER AND TO THE ENGINEER OR ARCHITECT OF RECORD ON A TIMELY BASIS.

SPECIAL INSPECTORS SHALL SUBMIT COMPLETE AND SIGNED FINAL REPORTS STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE PROVISIONS OF THE CODE, WORK NOT IN CONFORMANCE, UNRESOLVED ITEMS, OR ANY DISCREPANCIES IN INSPECTION COVERAGE SHOULD BE SPECIFICALLY IDENTIFIED IN THE FINAL REPORT.

THE FINAL REPORT SHALL BE DATED, SIGNED, AND STAMPED BY THE SUPERVISING REGISTERED ENGINEER IN THE STATE OF ARIZONA.

WORK REQUIRING SPECIAL INSPECTION DURING (1)		SPECIAL INSPECTION	
		CONTINUOUS	PERIODIC
GRADING & FOUNDATION	A. PLACEMENT OF COMPACTED FILL, GRADING AND EXCAVATIONS	GEO. ENG.	
CONCRETE	A. DURING CONCRETE PLACEMENT $f'c > 2500$ psi. 1. FOUNDATION FOOTINGS. 2. ALL OTHER STRUCTURAL CONCRETE. 3. NOT REQUIRED AT SLABS-ON-GRADE	✗	
	B. DURING PLACEMENT OF NON SHRINK GROUT	✗	
	C. MOLDING OF COMPRESSION TEST SAMPLES	✗	
	D. PLACEMENT OF CONCRETE, FOR BOLTS OR EMBEDS AS SPECIFIED (REF. 1912.5)	✗	
	E. PLACEMENT OF HIGH STRENGTH GROUT AND TAKING SAMPLES.	✗	
	F. VERIFICATION USE OF APPROVED DESIGN MIX		✗
	G. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		✗
DRILLED IN ANCHORS	A. INSTALLATION OF ADHESIVE ANCHORS, RODS, DOWELS, SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION	✗	
	B. EXPANSION ANCHORS IN CONCRETE OR MASONRY	✗	
REIN-STEEL	A. PLACEMENT OF REINFORCING		✗
	B. SAMPLING FOR TESTING	✗	
	C. MILL REPORT VERIFICATION AND MATERIAL IDENTIFICATION		✗
WELDING	A. SHOP FABRICATION / WELDING IN NON-APPROVED SHOPS	✗	✗
	B. STRUCTURAL FIELD WELDING (REF. 1704.3.1)	✗	✗
	C. STRUCTURAL LIGHT GAGE FRAMING OR DECKING		✗
	D. SHEAR CONNECTORS INSPECTION AND FIELD TEST		✗
	E. REINFORCING STEEL WELDING (REF. 1903.5.2)	✗	
STRUCTURAL STEEL	A. VERIFICATION OF MILL REPORTS AND IDENTIFICATION OF STEEL OR PHYSICAL TESTING.		✗
	B. ERECTION AND INSPECTION OF SURFACES		✗
	C. STRUCTURAL STEEL ERECTION (REF. 1704.3.2)		✗
BOLTING	A. HIGH STRENGTH BOLTING		✗
MASONRY	A. PLACEMENT OF MASONRY UNITS		✗
	B. MASONRY PRISM CONSTRUCTION, MORTAR AND GROUT SAMPLING	✗	
	C. MORTAR AND GROUT SAMPLING	✗	
	D. MATERIALS CERTIFICATION		✗
	E. MASONRY WALLS COMPLETION		✗
OFF-SITE FABRICATORS	A. FABRICATORS NOT APPROVED BY BUILDING OFFICIAL TO PERFORM WORK OFF-SITE, WITHOUT SPECIAL INSPECTION (1704.2)	✗	✗

NOTES:
(1) REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON TESTING REQUIREMENTS AND FREQUENCY.

SECTION NUMBER OR DETAIL NUMBER

SHEET DETAIL IS DRAWN ON

ELEVATION OF WALL OR FRAME

KEYNOTE

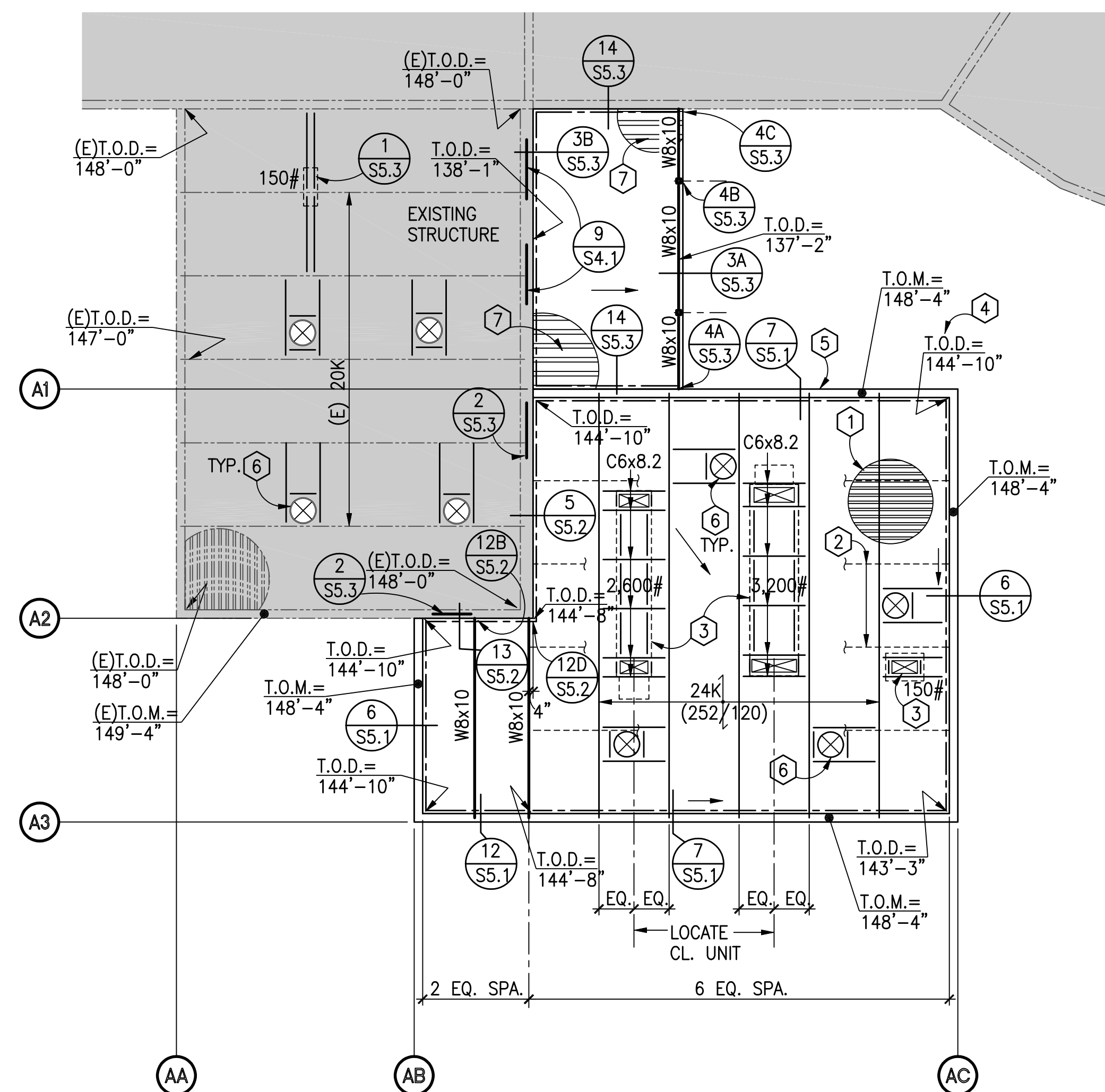
REF. F.F.E.=100'-0" ELEVATION MARK

—\$— STEP IN FOOTING AT PRECAST CONC. WALL

 SURFACE STEP

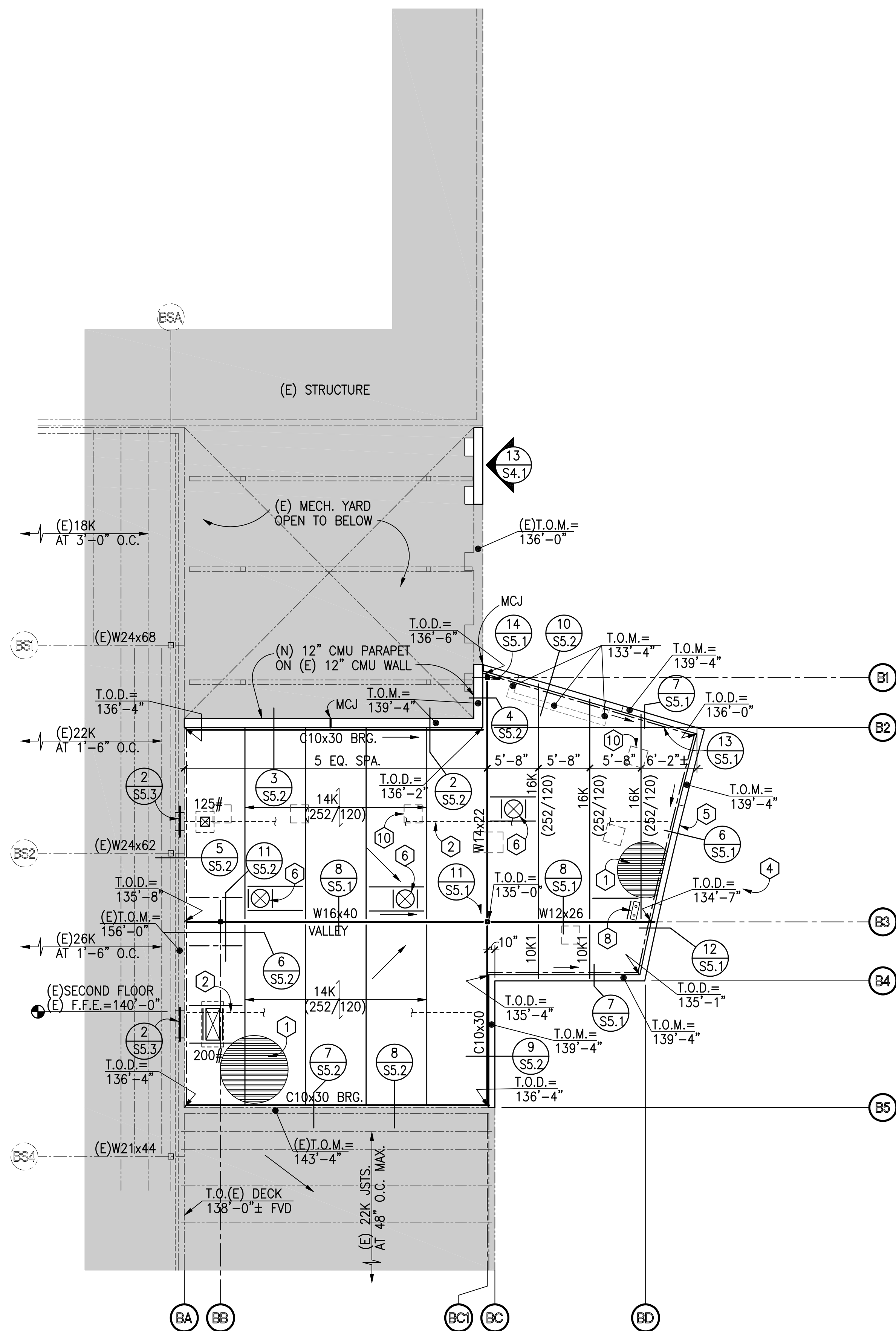
DIRECTION OF SPAN

	CONCRETE MASONRY UNIT (CMU)
	CONCRETE
	EARTH
	METAL DECK
	STEEL (IN SECTION)



② AREA A – ROOF FRAMING PLAN
1/8"=1'-0"

NOTE:
PRIOR TO FABRICATION OR CONSTRUCTION,
FIELD VERIFY (FVD) EXISTING CONDITIONS.



① AREA B – ROOF FRAMING PLAN
1/8"=1'-0"

NOTE:
PRIOR TO FABRICATION OR CONSTRUCTION,
FIELD VERIFY (FVD) EXISTING CONDITIONS.



KEYNOTES:

- 1 1/2"x20 GA. STEEL DECK, REFER TO DETAIL 1/S5.1.
- 2 JOIST BRIDGING SIZE AND NUMBER TO BE DESIGNED BY JOIST MFR., TYP. REFER TO STRUCTURAL NOTES SHEET 5 AND 15/S5.1 AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3 ROOF MOUNTED MECHANICAL EQUIPMENT, COORD. SIZE AND LOCATION WITH MECHANICAL DRAWINGS. FRAME UNDER UNIT AND AT OPENINGS PER DETAIL 3/S5.1. JOIST MFR. SHALL DESIGN JOIST FOR LOADS INDICATED AND PROVIDE ADDITIONAL OR SPECIAL DESIGN JOISTS AS REQUIRED.
- 4 T.O.D.= INDICATES TOP OF ROOF DECK ELEVATION. T.O.M.= INDICATES TOP OF MASONRY ELEVATION.
- 5 MASONRY LINTELS PER DETAIL 5/S4.1, TYP. U.N.O.
- 6 SKYLIGHTS, REFER TO ARCH. DWGS., FRAME OPENING PER DETAIL 3/S5.1, AT (E) ROOF FRAME PER DETAIL 1/S5.3.
- 7 3"x18GA. ROOF DECK AT CANOPY, REF. DTL. 15/S5.3.
- 8 ROOF DRAIN, REFER TO ARCH. DWGS., FRAME OPENING PER DETAIL 3/S5.1.
- 10 SUSPENDED FAN COIL UNITS, REFER TO MECH. DWGS. FOR LOCATION AND SUPPORT. MAX. WT. = 100# EACH. REFER TO DTL. 2/S5.1.

MARTIN & WHITE
HOLBEN

HOLBEN, MARTIN & WHITE

CONSULTING STRUCTURAL ENGINEERS, INC.

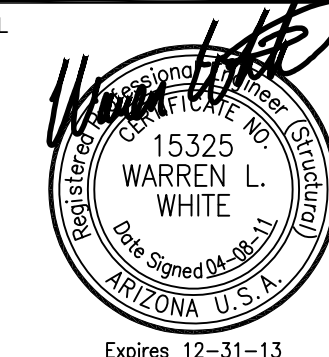
2950 North Country Club

TUCSON, ARIZONA 85716

(520) 327-9491

HW# 10048 / 10049

SEAL



AGENCY REVIEW

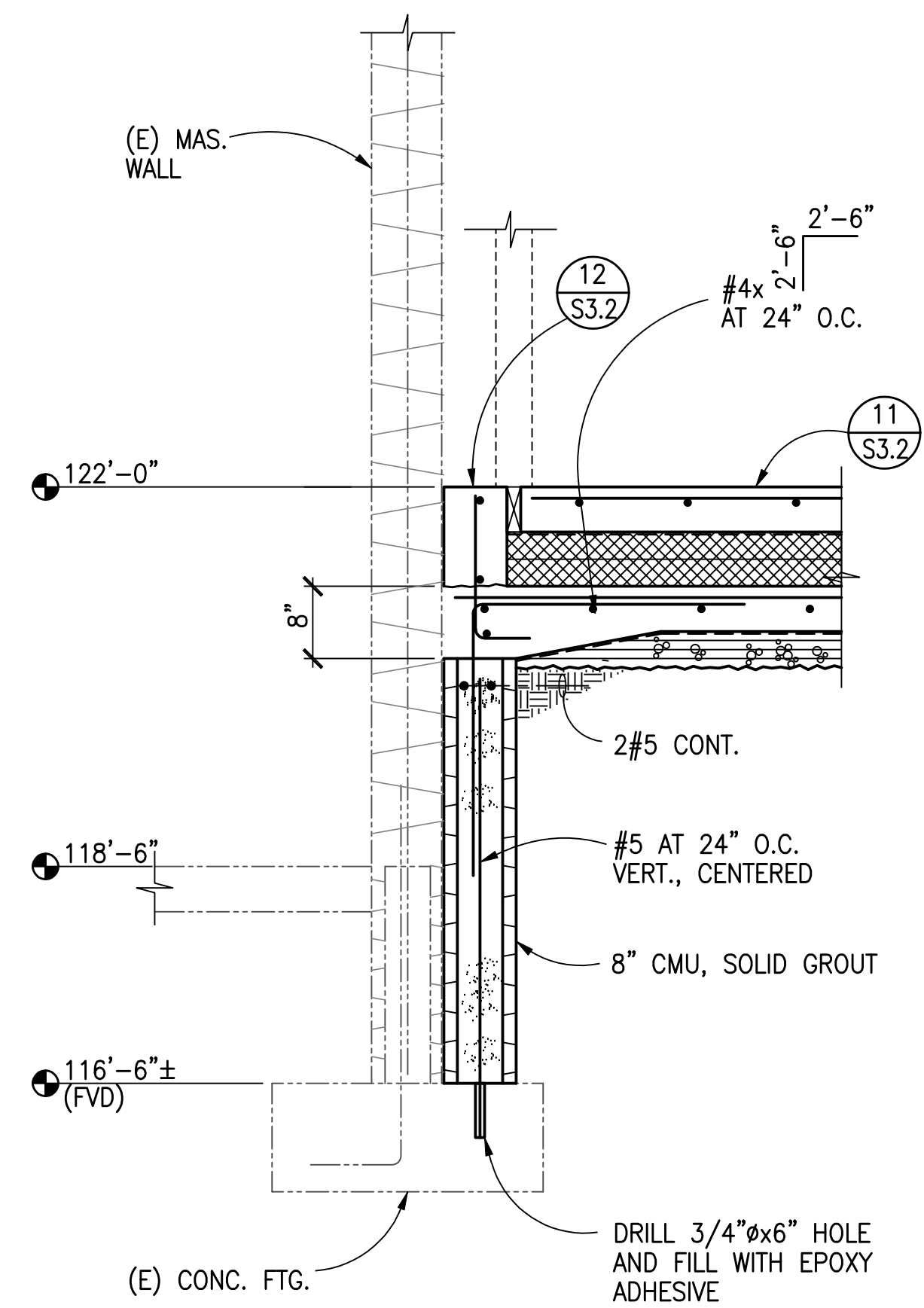
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KITCHEN AND PERFORMING
ARTS EXPANSION

DRAWING TITLE

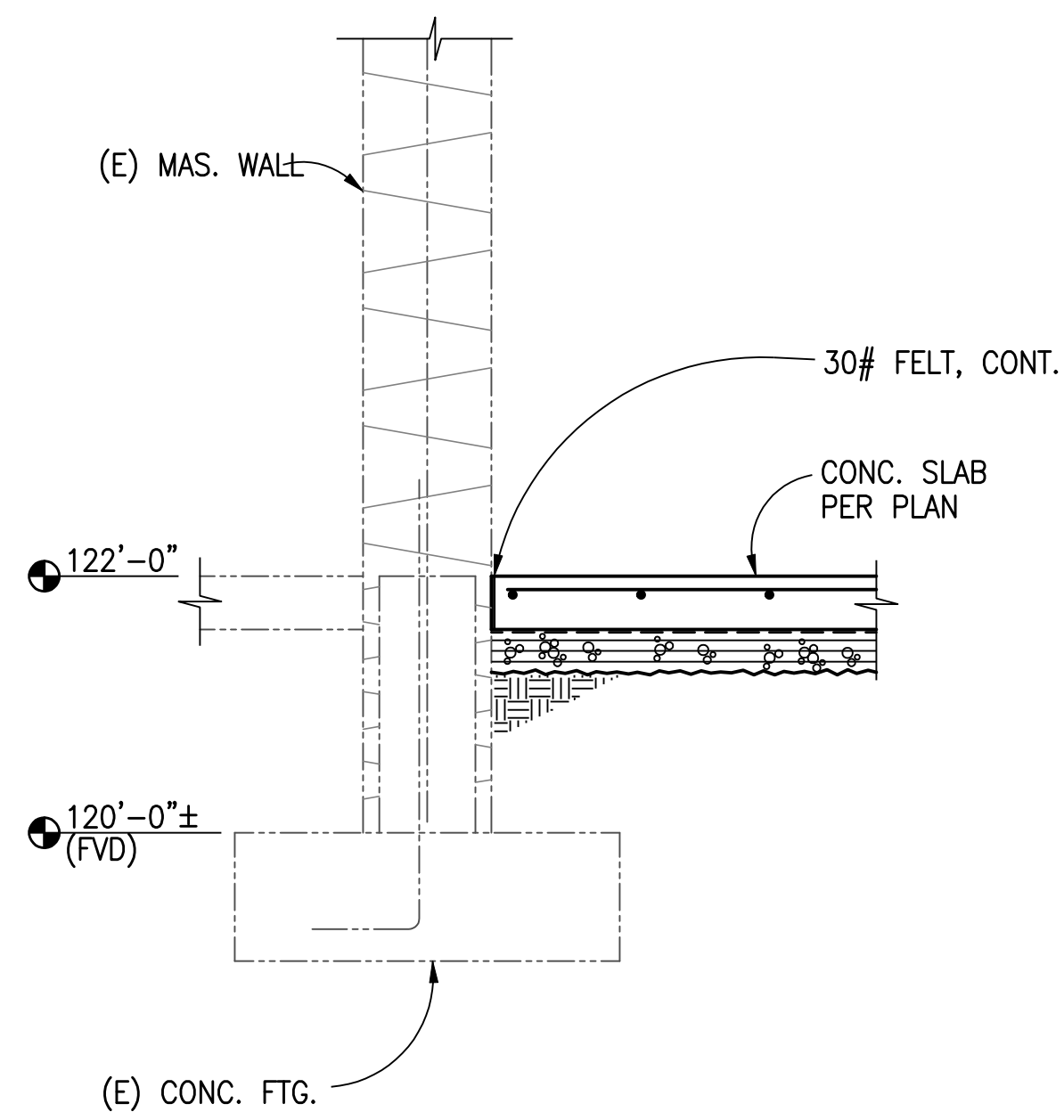
ROOF FRAMING PLANS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1			ERW	2010-0138-00 / 2010-0323-00
2			WLV	
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S2.1

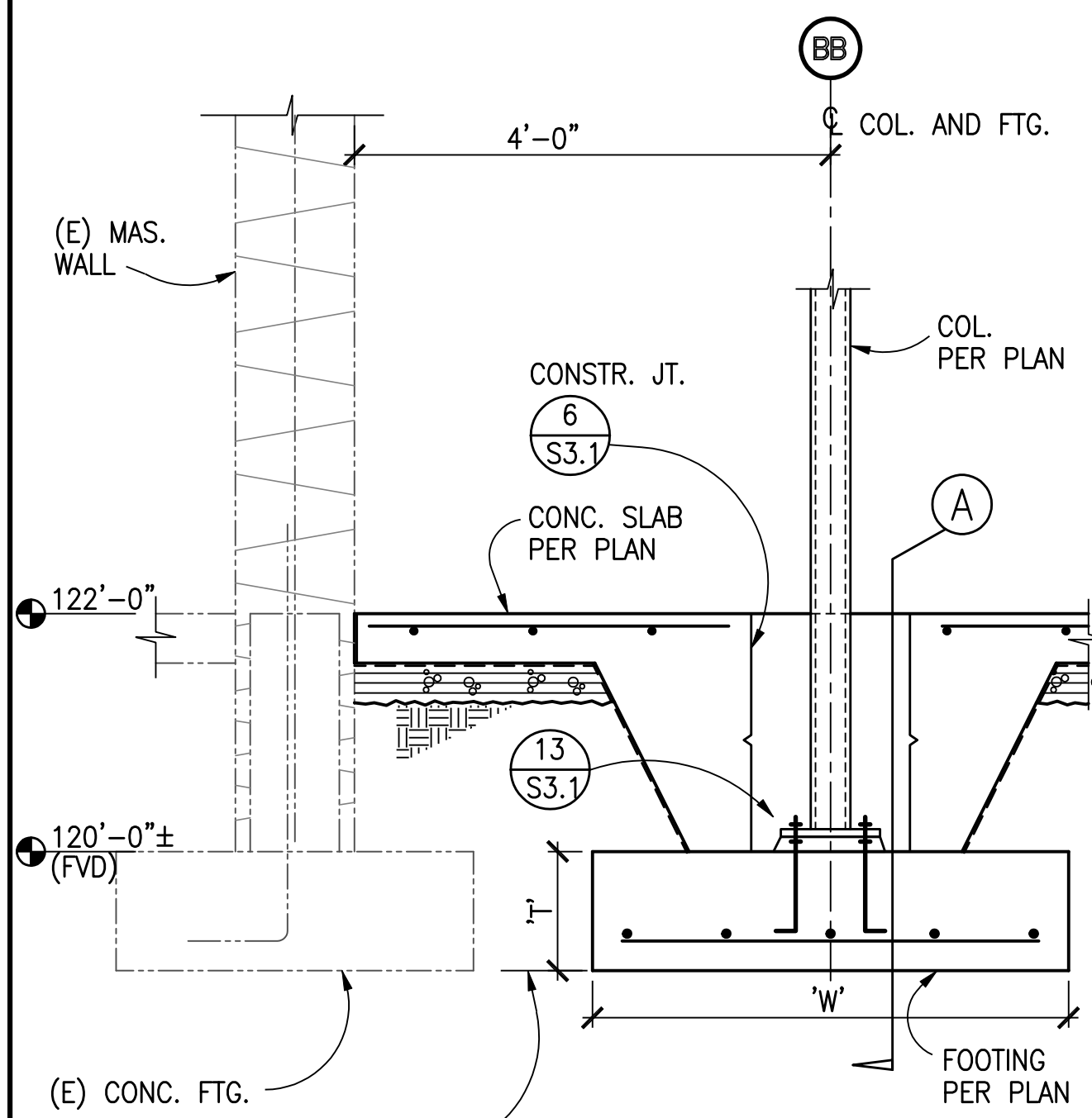


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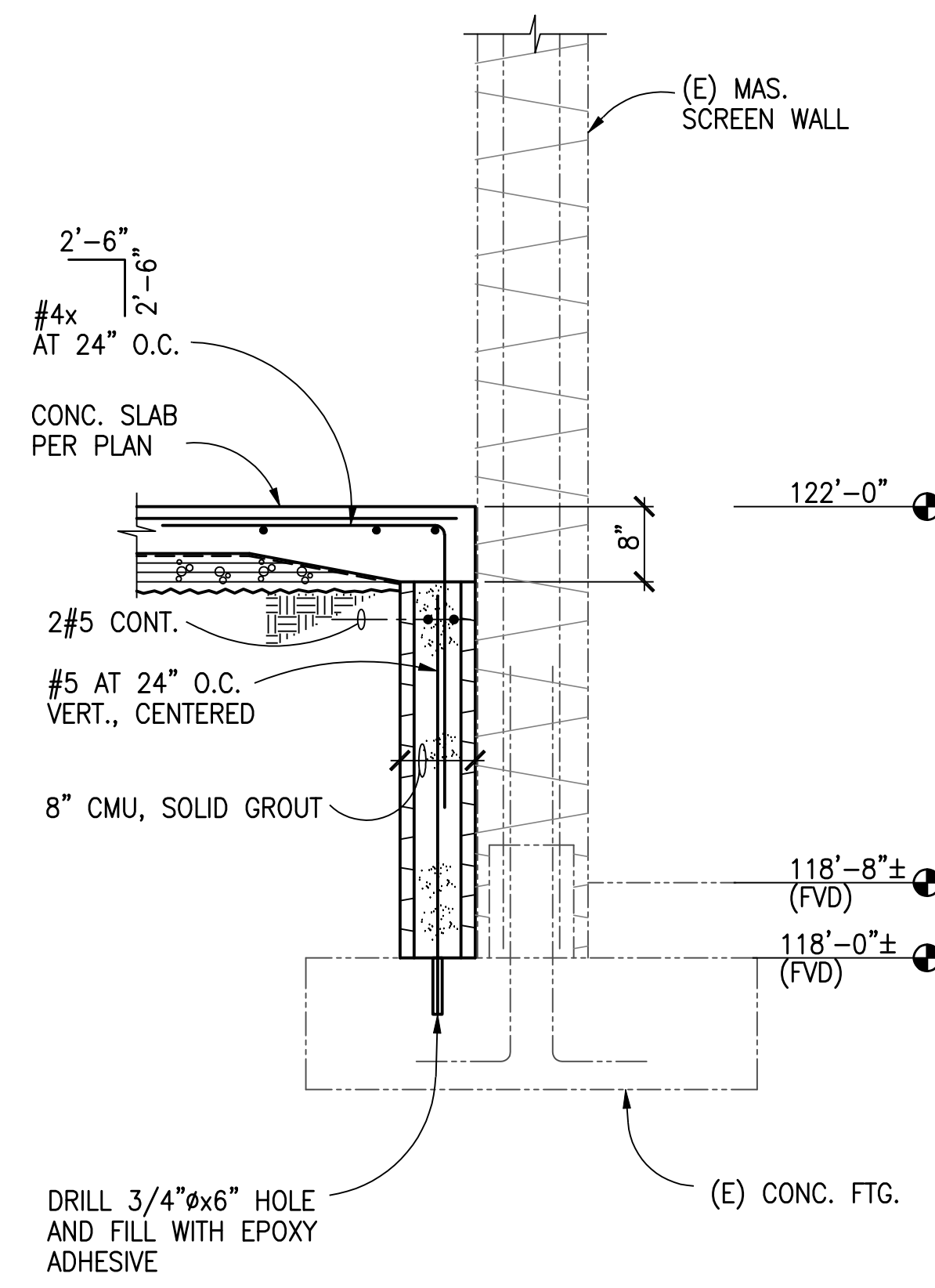
AT COOLER/FREEZER SLAB A

2

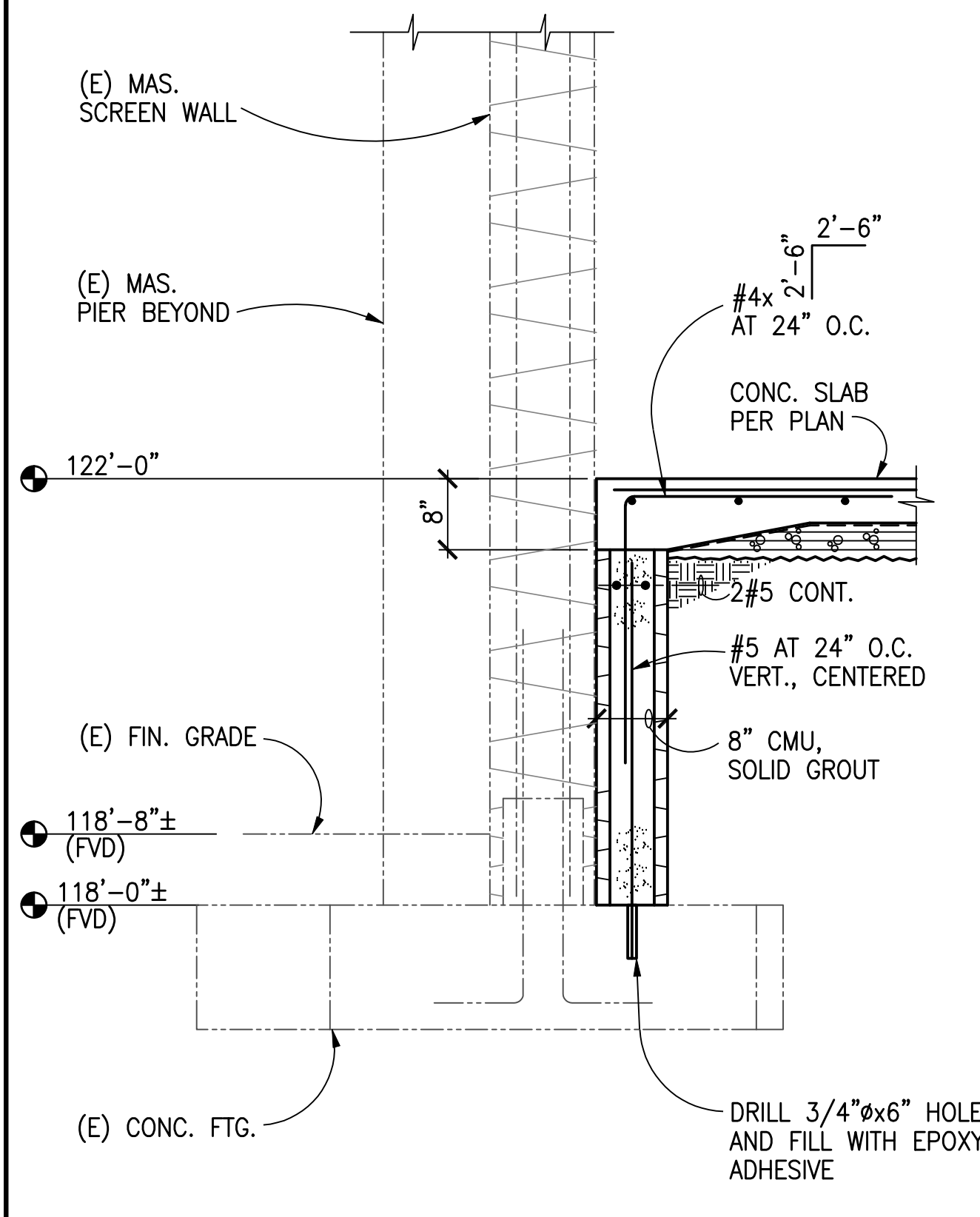


AT COOLER/FREEZER SLAB A

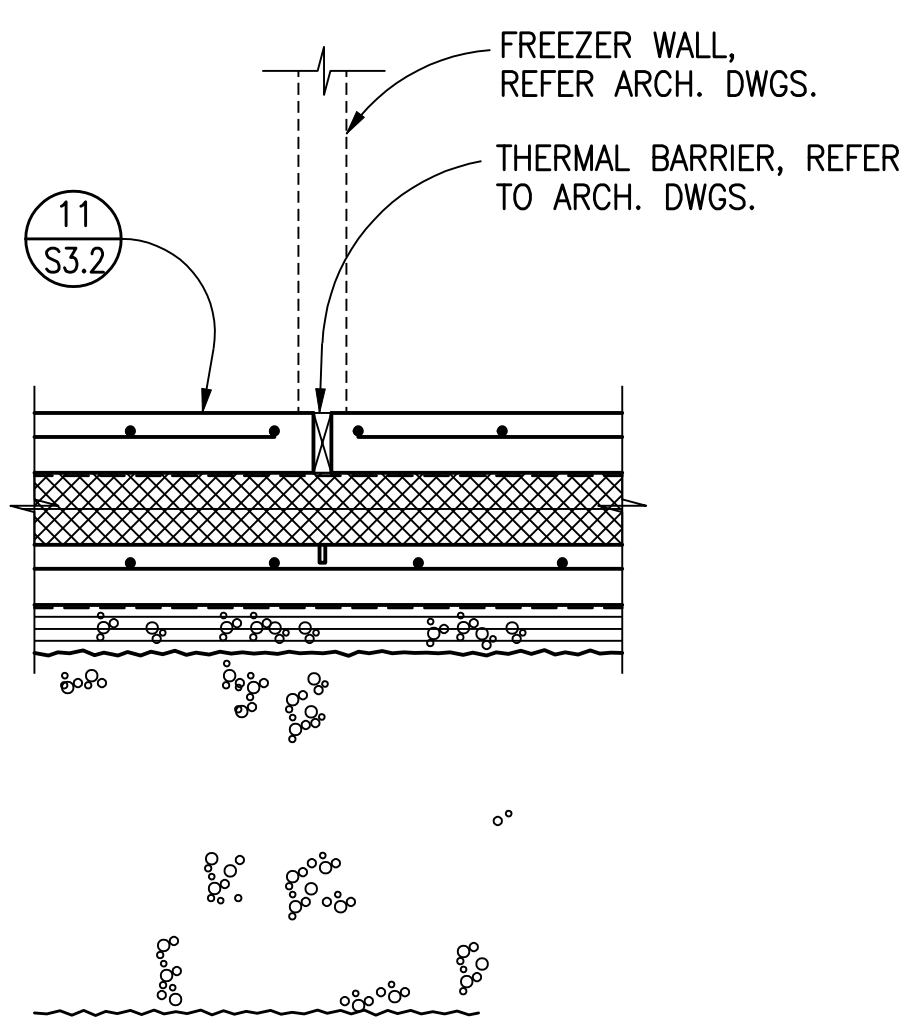
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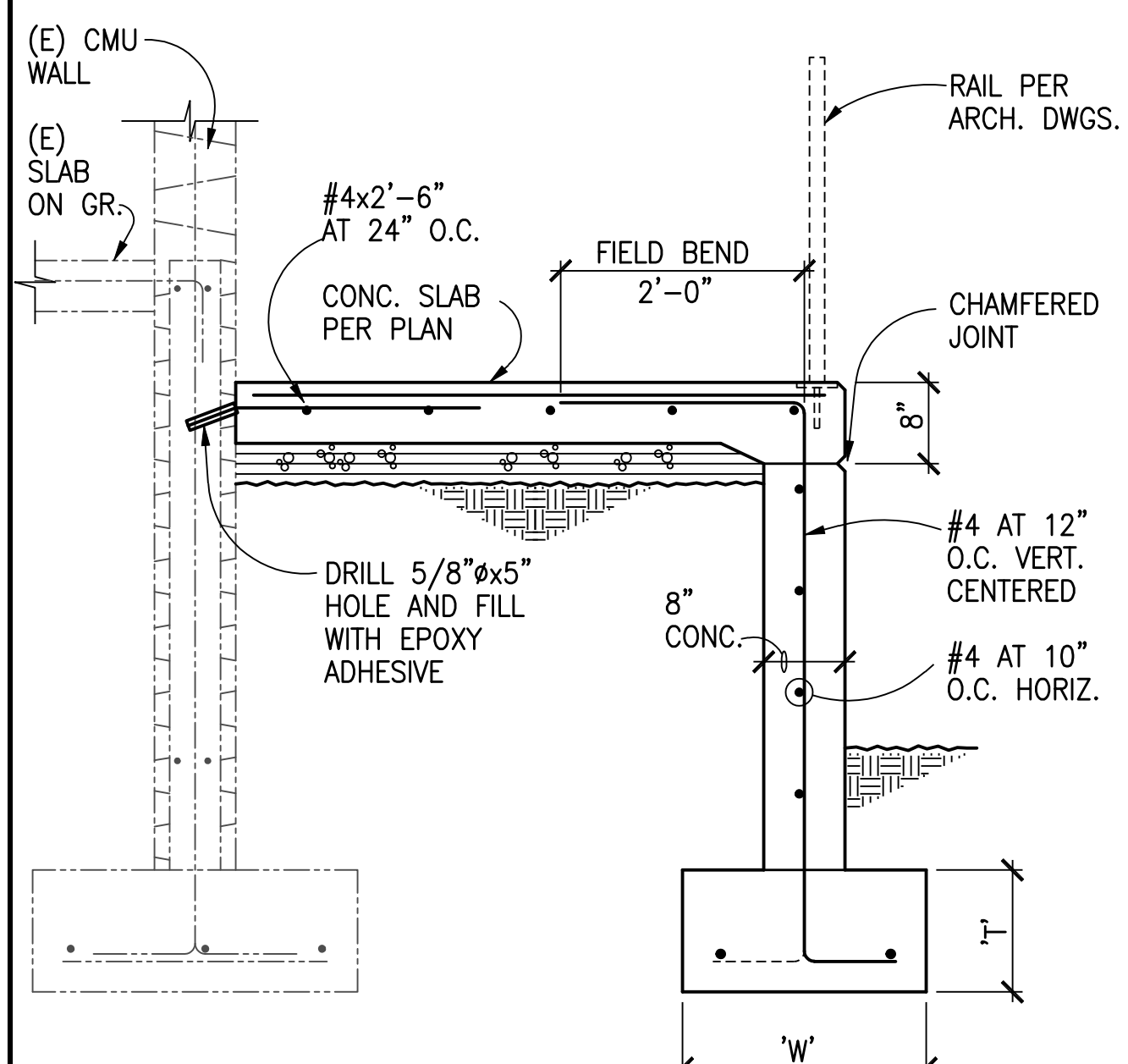
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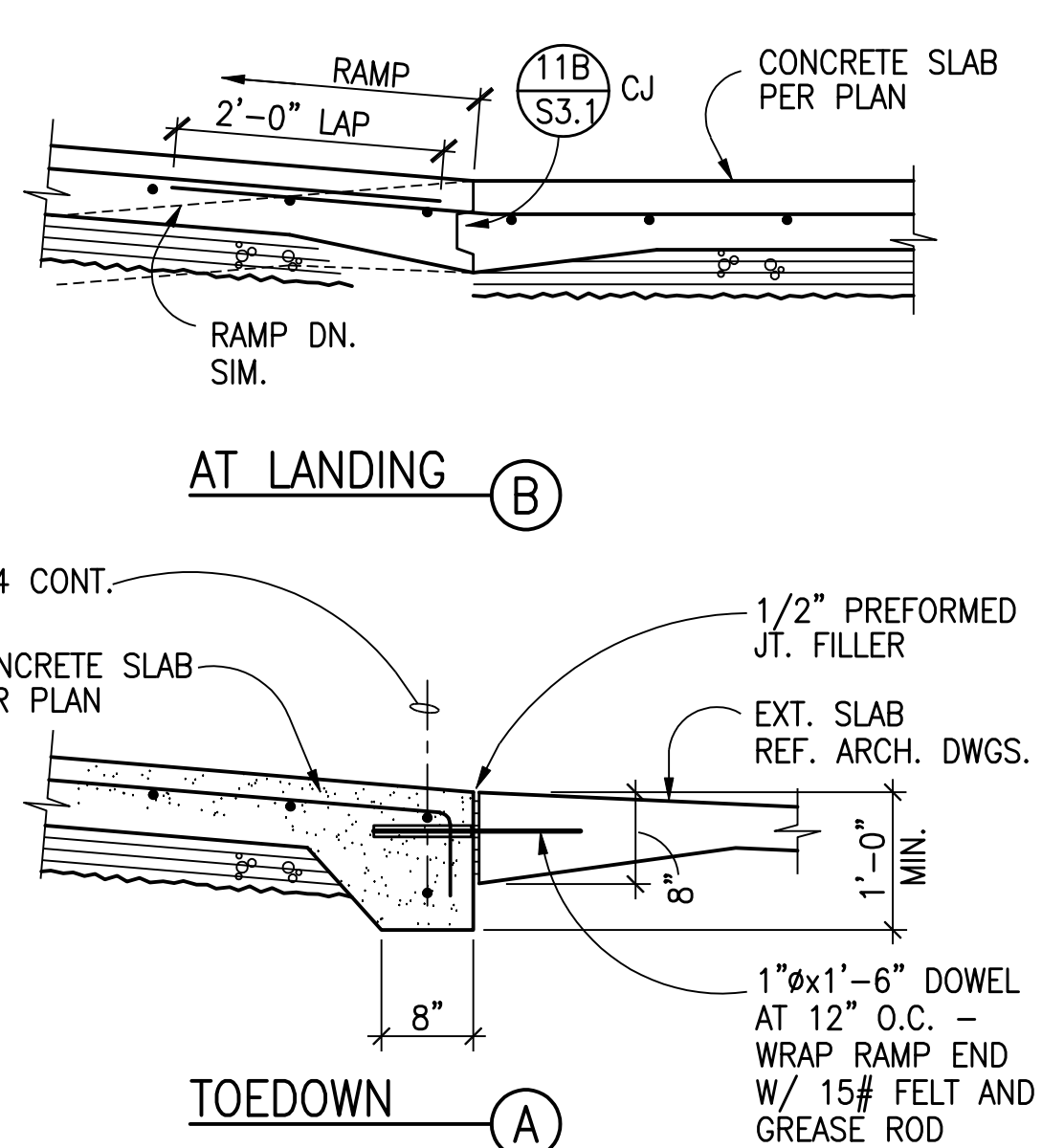
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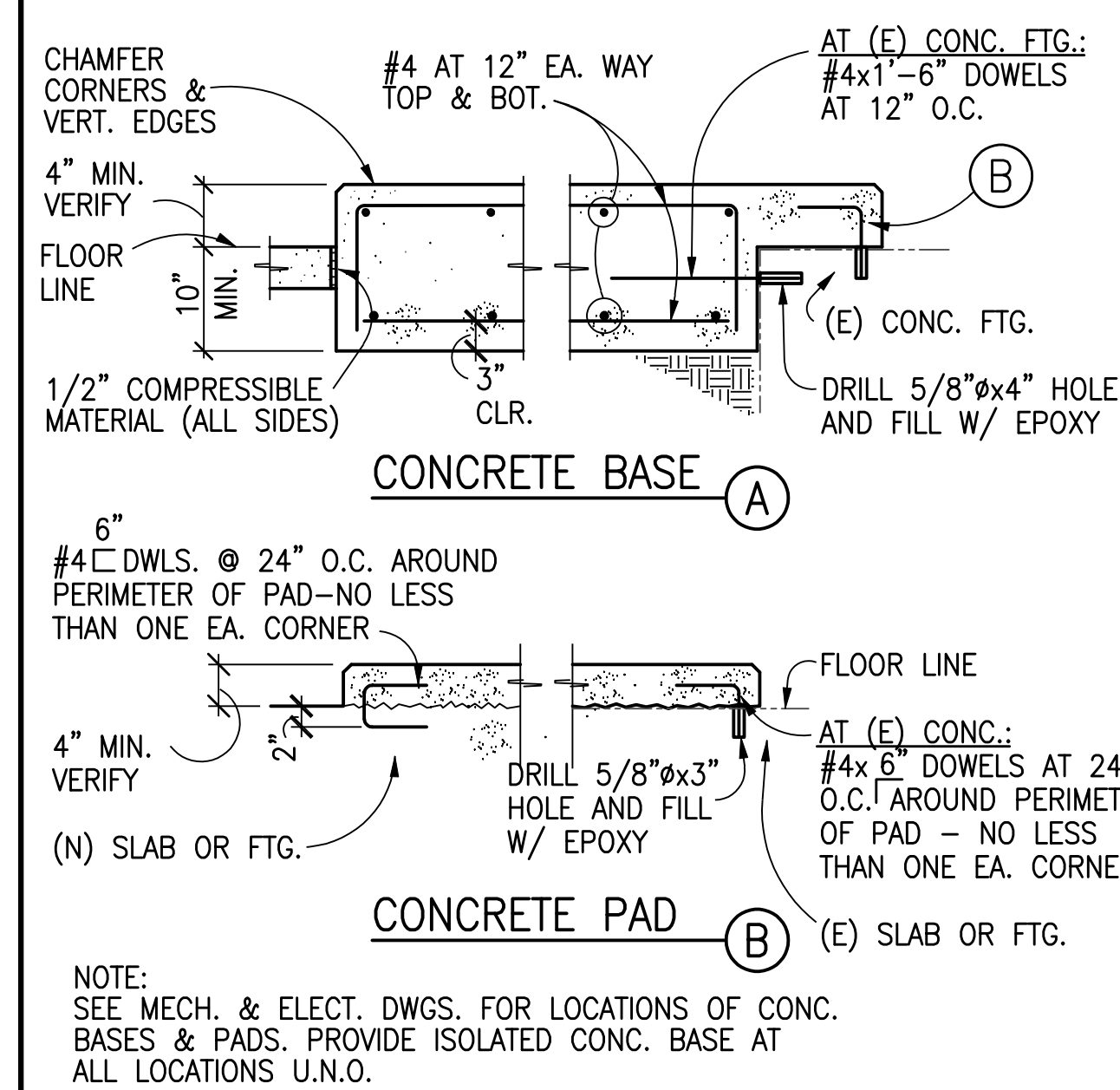


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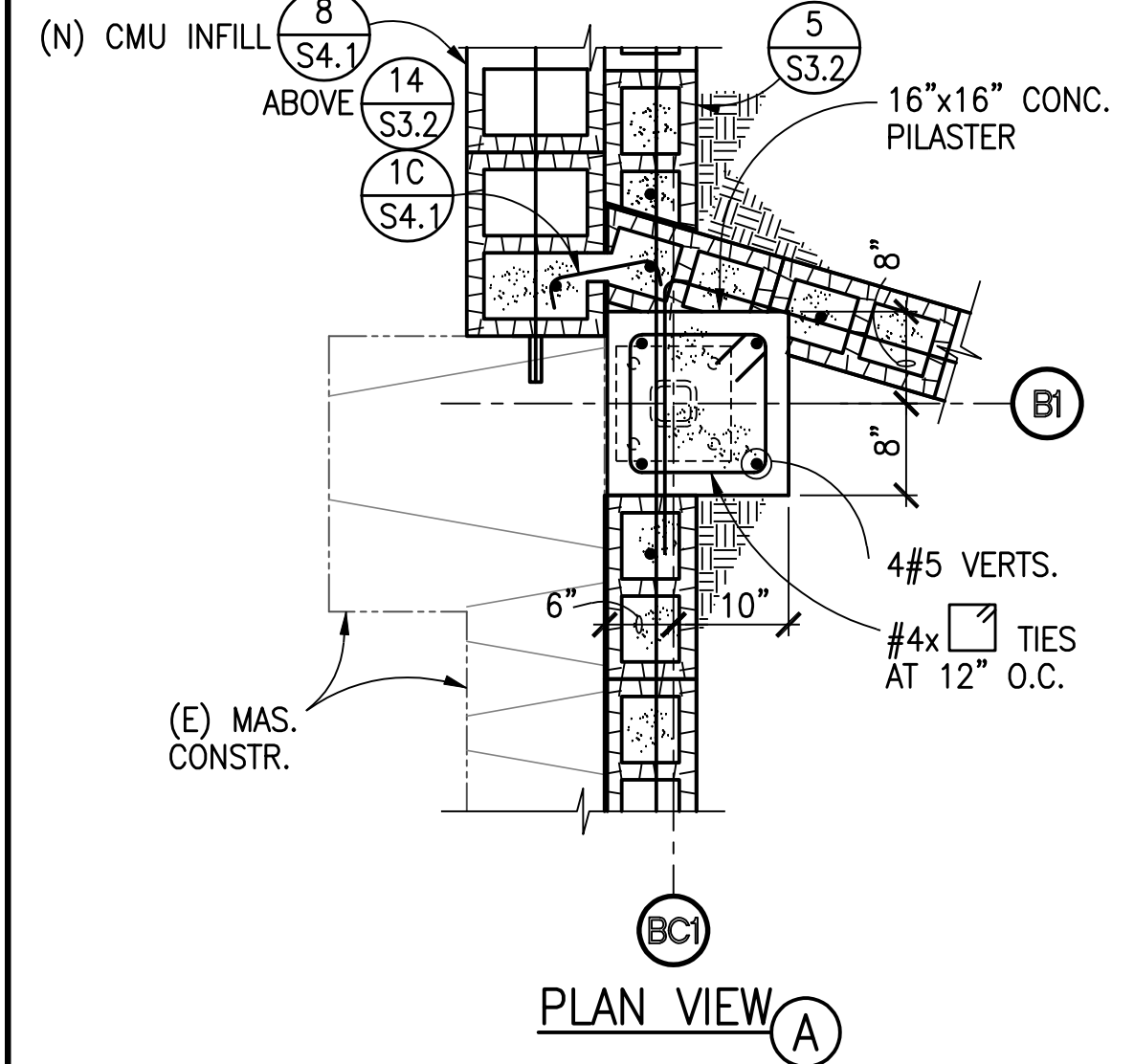
TYP. RAMP SLAB DETAILS

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TYP. CONC. BASE & PAD FOR EQUIP.

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PLAN VIEW A

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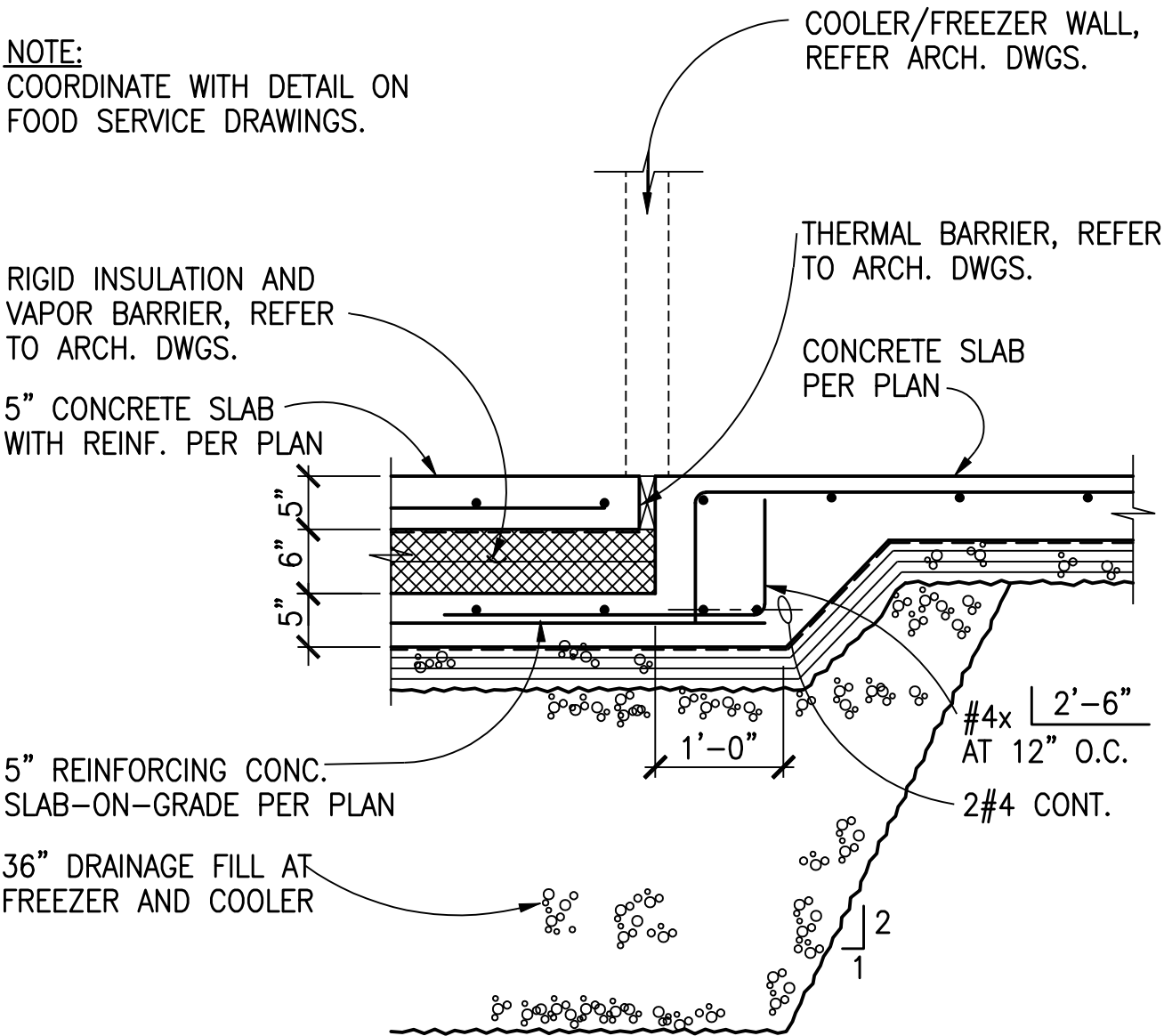
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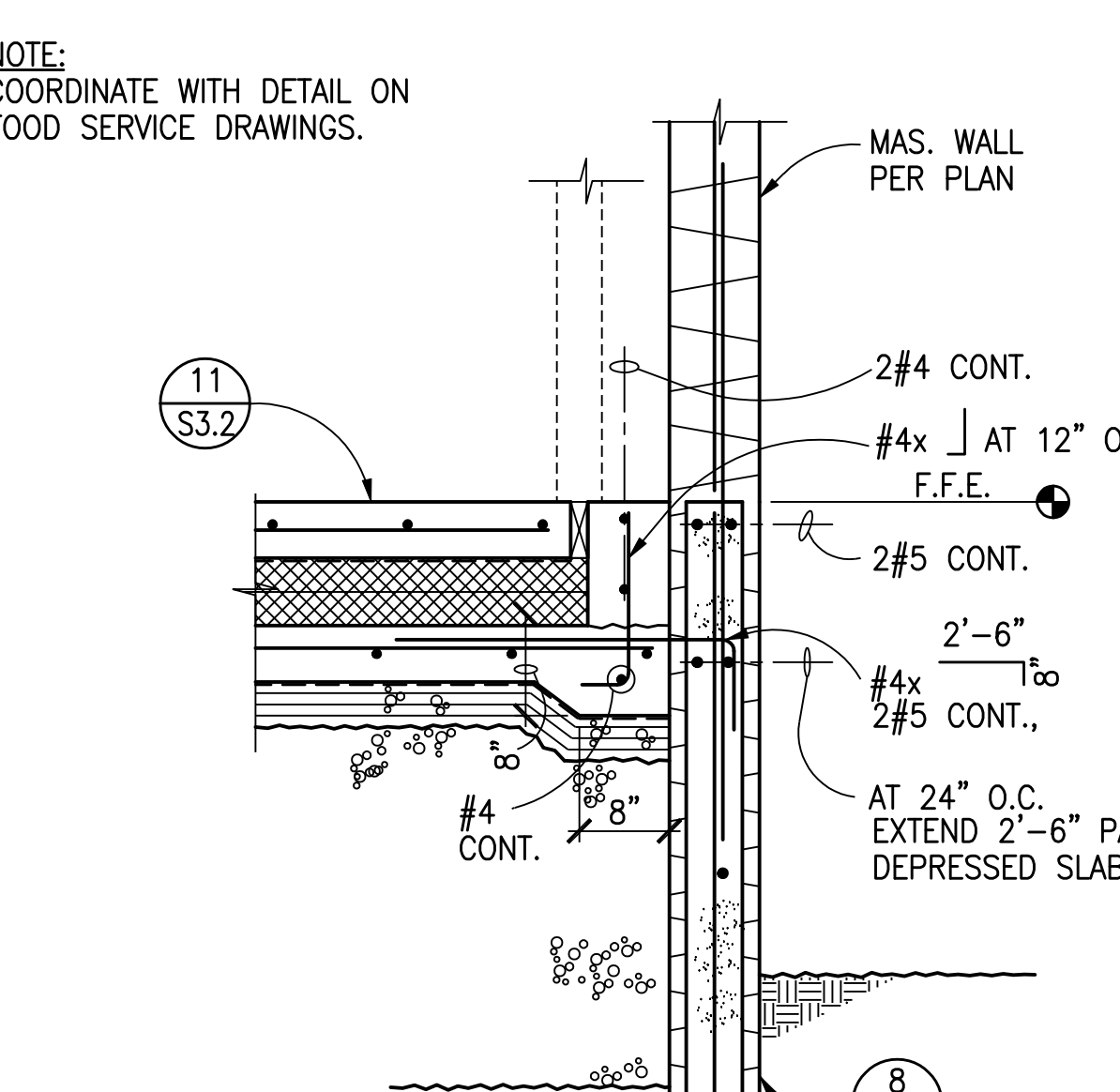
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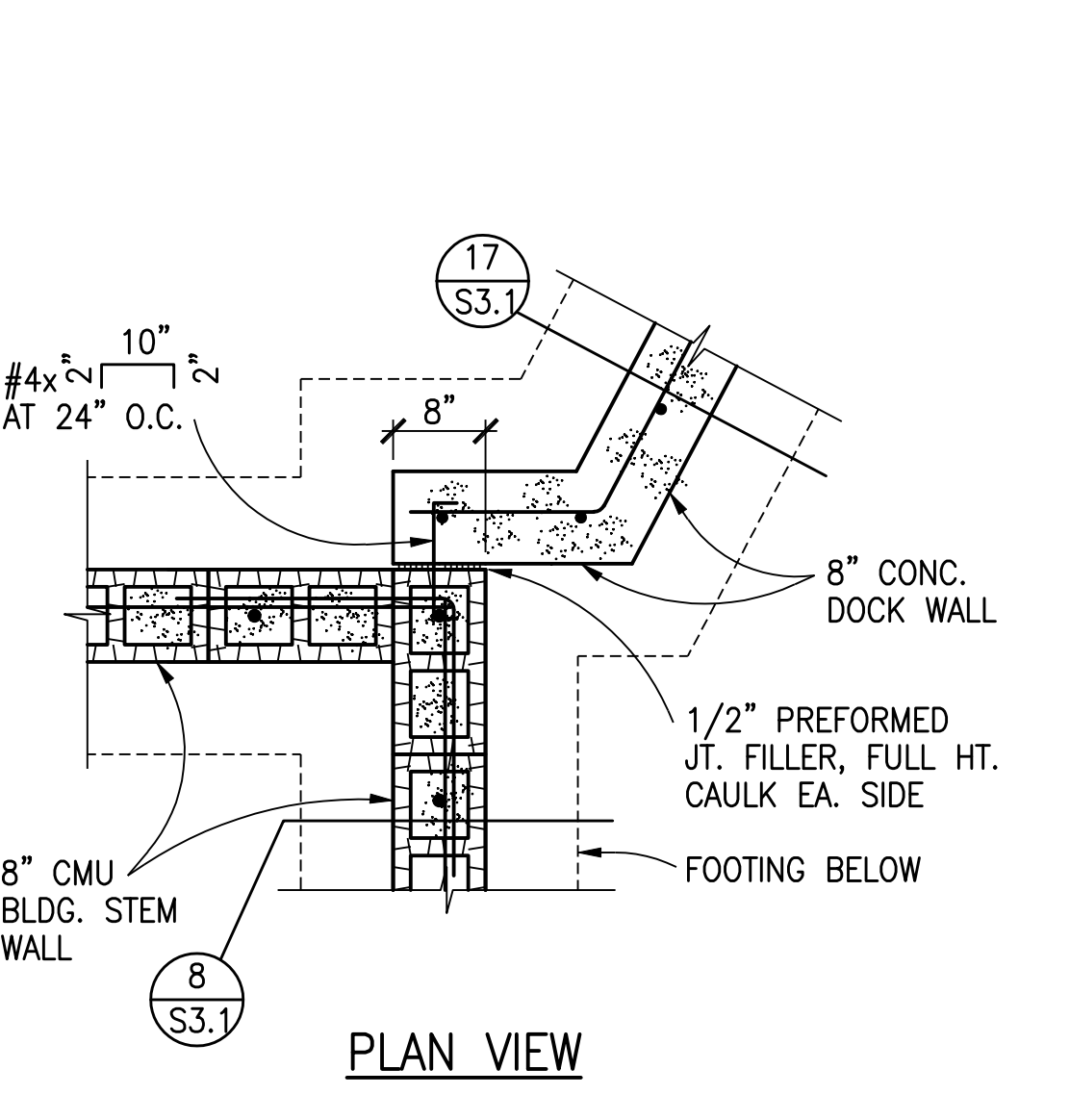


TYP. REFRIGERATOR/COOLER SLAB

11

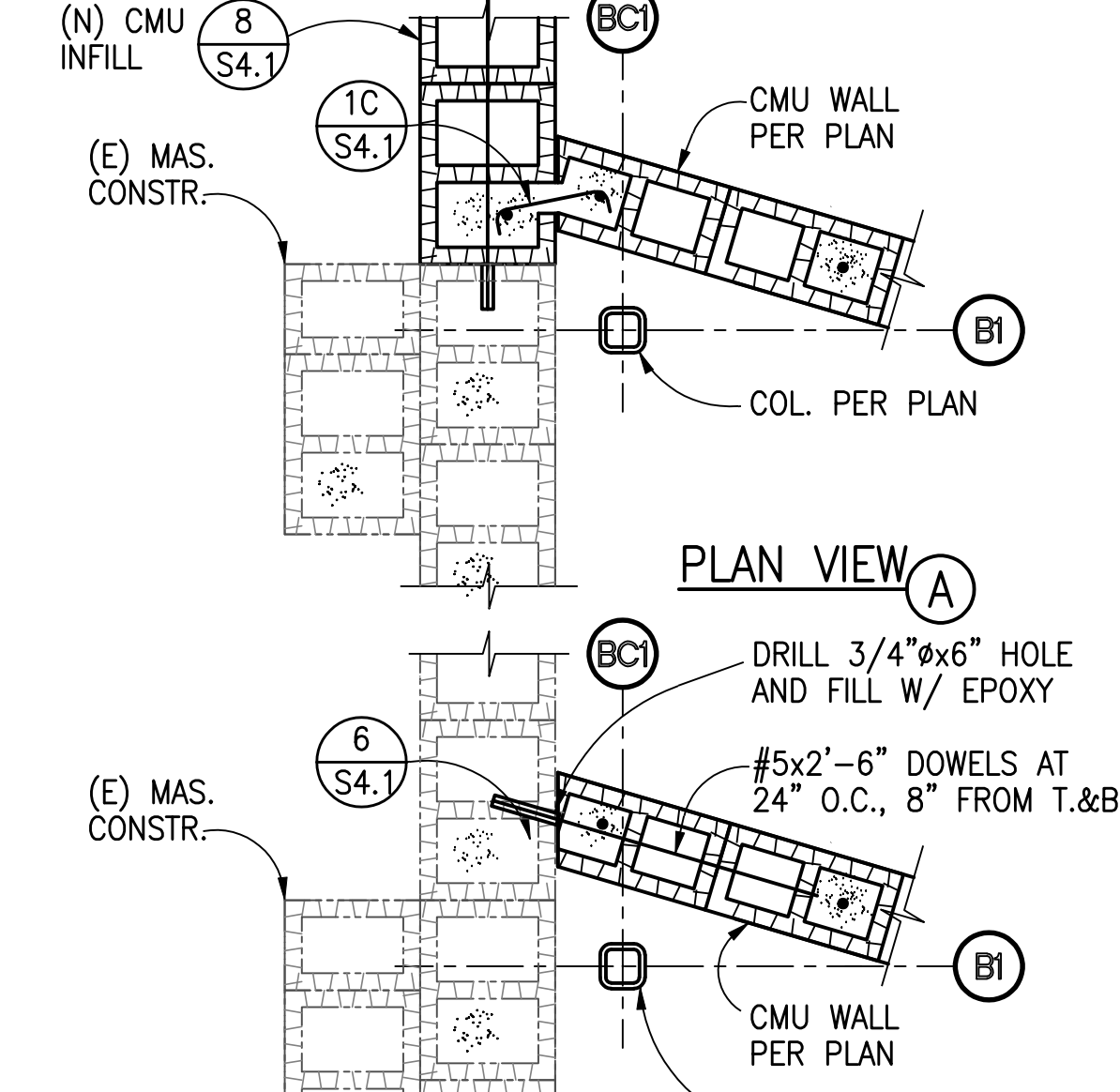


12



PLAN VIEW

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PLAN VIEW A

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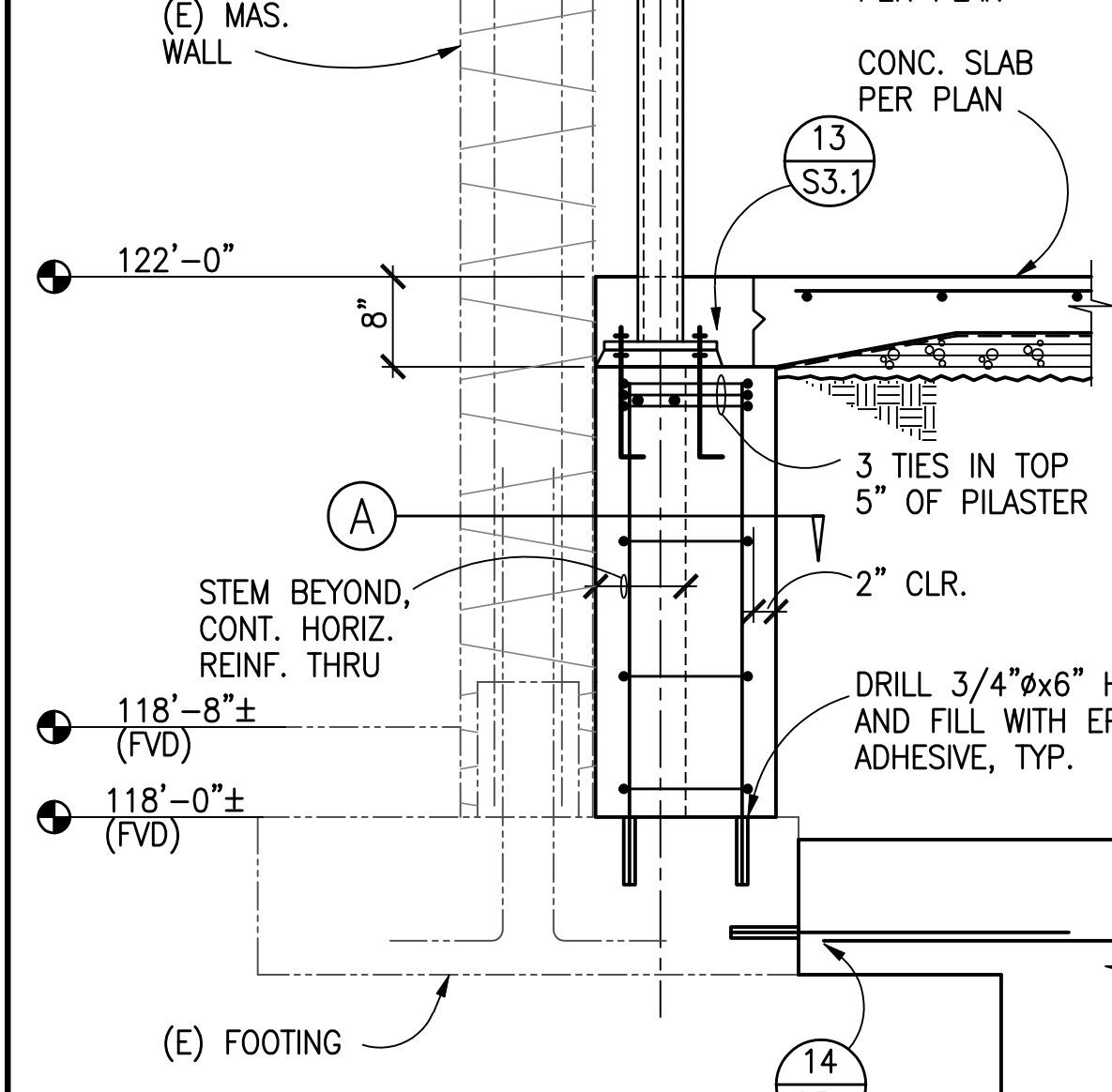
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PLAN VIEW B

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HOLBEN
CONSULTING STRUCTURAL ENGINEERS, INC.

2950 North Country Club
TUCSON, ARIZONA 85716
(602) 327-9491

HW# 10048 / 10049

SEAL

15325
WARREN L. WHITE
TUCSON, ARIZONA

Expires 12-31-13

PROJECT: CFSD HIGH SCHOOL

KITCHEN AND PERFORMING

ARTS EXPANSION

DRAWING TITLE

STRUCTURAL DETAILS

NO. DATE ISSUE

DRAWN BY: ERW

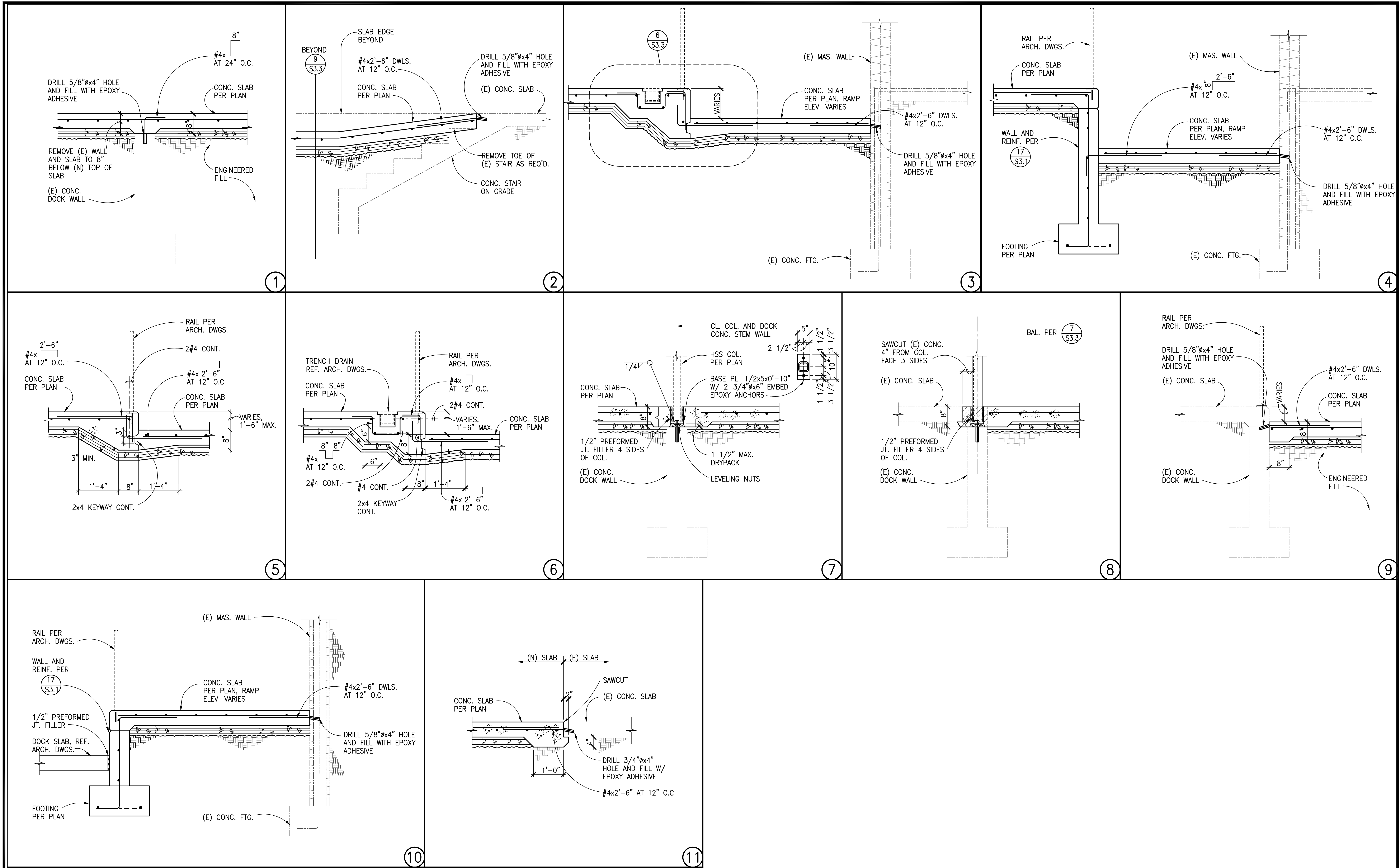
CHECKED BY: WLV

DRAWING NO.

PROJECT NO. 2010-0138-00 / 2010-0323-00

DATE 4-8-2011

S3.2



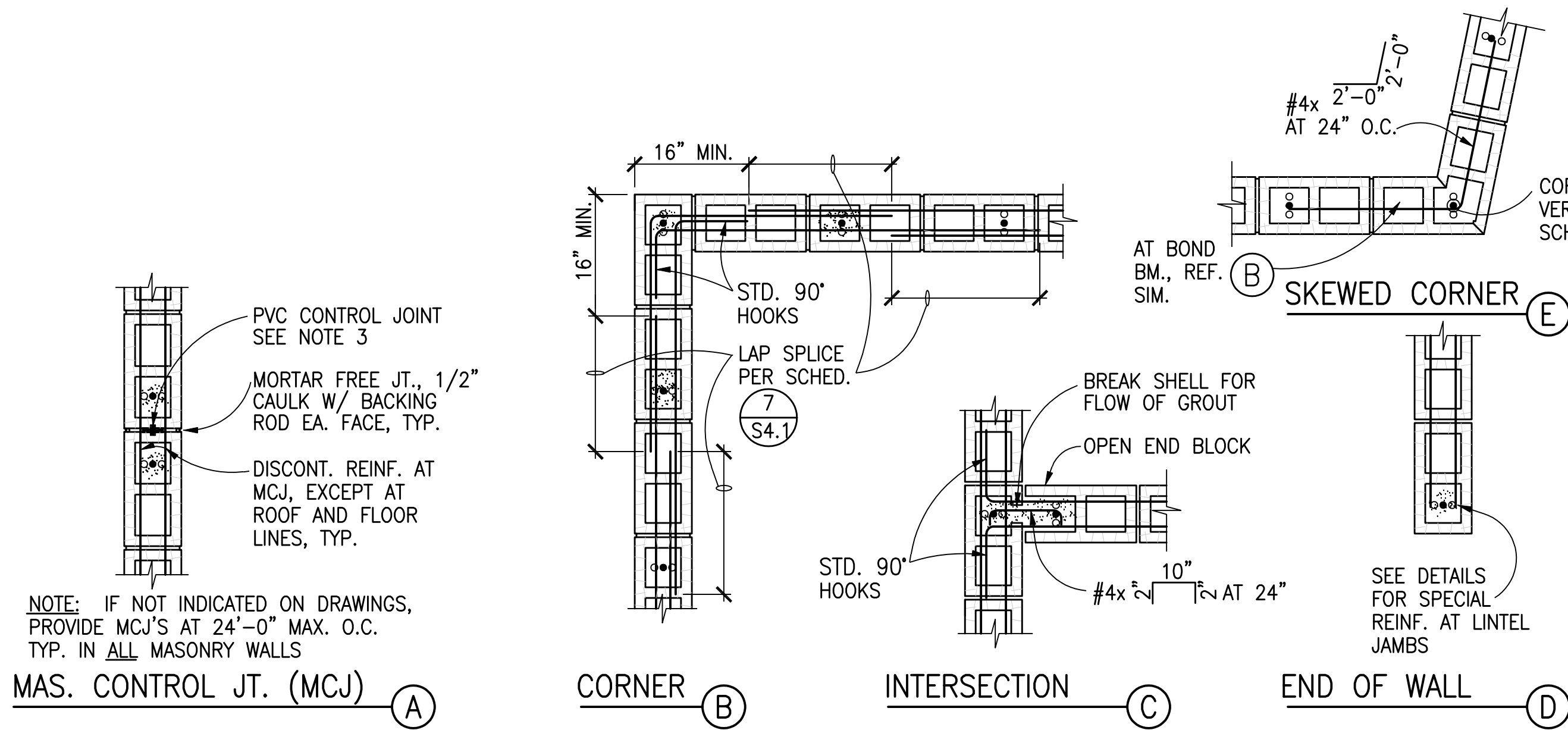
TYPE	REINF. LOCATION	WALL MARK	
		W1-8" CMU	W2-8" CMU
VERT.	FOOTING TO F.F.E.	#5 AT 16" O.C.	#5 AT 16" O.C.
VERT.	F.F.E. TO TOP OF WALL	#5 AT 32" O.C.	#5 AT 16" O.C.
VERT.	CORNERS, INTERSECTIONS	#5	#5
VERT.	EA. SIDE OF MCJ	#5	#5
VERT.	JAMB OF OPENING	SEE 4/S4.1	
HORIZ.	TOP OF WALL	2#5 CONT.	2#5 CONT.
HORIZ.	ROOF LINES	2#5 CONT.	2#5 CONT.
HORIZ.	LINTELS	SEE 5/S4.1	
HORIZ.	SILLS	SEE 4/S4.1	
HORIZ.	JOINT REINF.	AT 16" MAX.	AT 16" MAX.

- NOTES:
1 WHERE MASONRY WALL REINFORCING NOT SPECIFICALLY CALLED OUT ON THE STRUCTURAL DRAWINGS, USE WALL TYPE "W1".
2 FOR TYP. MASONRY WALL REINF. PLACEMENT, REF. DETAIL 1/S4.1
3 AT TYP. BOND BEAM STEP REF. DETAIL 2/S4.1

1 TYP. STEP IN BOND BM.

2 TYP. MAS. WALL REINF. SCHED.

3



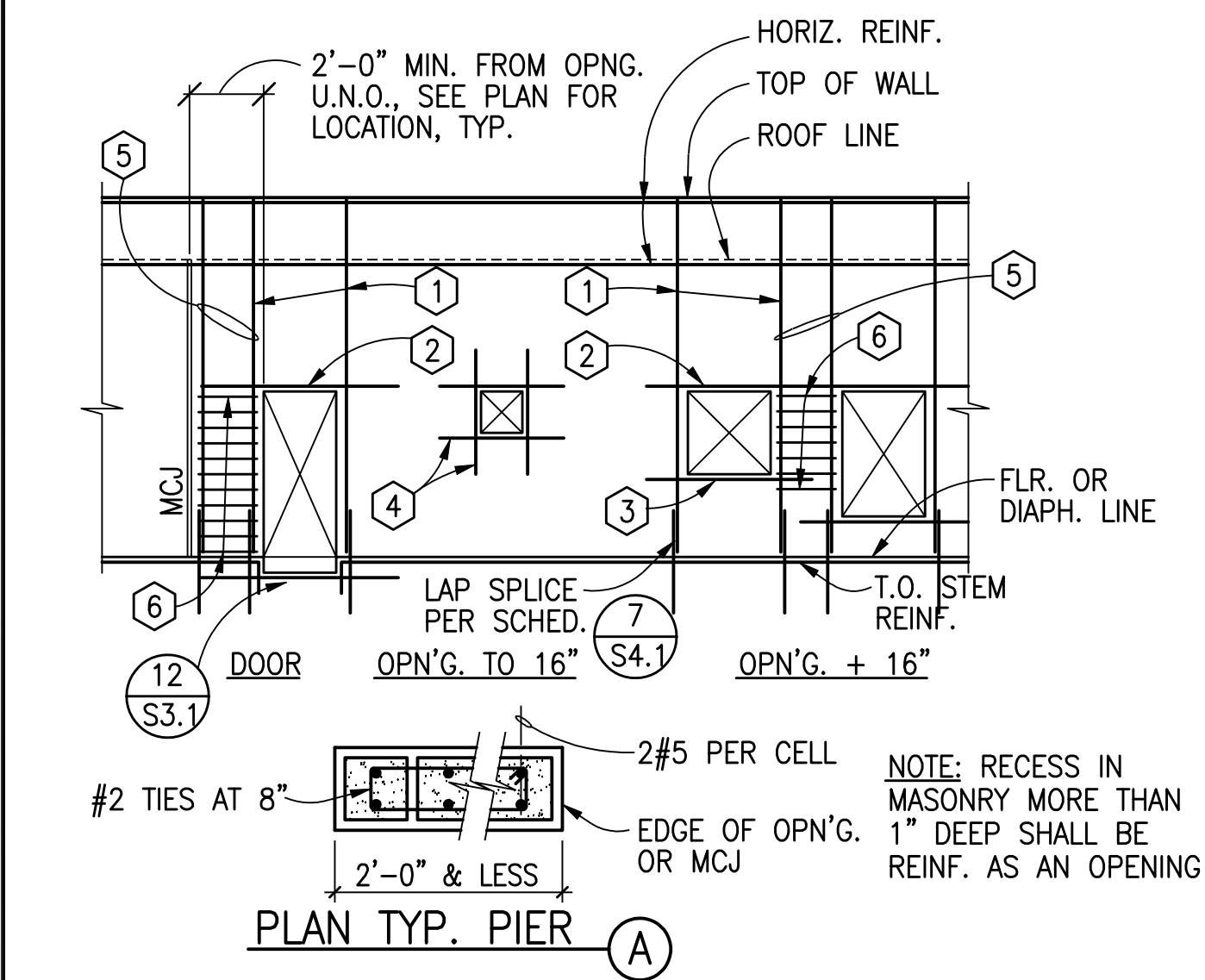
- NOTES:
1. WHERE VERT. OR HORIZ. BARS ARE SHOWN IN THIS DETAIL, PROVIDE BARS OF SAME SIZE AND DETAIL AS SHOWN ON DRAWINGS FOR WALLS. WHERE SIZE IS NOT SHOWN, USE AT LEAST #5 VERTS. AND #4 HORIZ.
2. (*) INDICATES LOCATION OF VERT. BARS PLACED AT CENTERLINE OF WALL. (1 BAR PER CELL)
(o) INDICATES LOCATION OF VERT. BARS PLACED AT EACH FACE OF WALL. (2 BARS PER CELL)
SEE DRAWINGS FOR VERTICAL REINFORCING.
POSITION VERT. BARS IN CELLS AS FOLLOWS:
EQ. 2 5/8"
SINGLE BAR/CELL DOUBLE BAR/CELL
3. EXTEND MCJ FULL HEIGHT OF MASONRY WALL. ALL HORIZONTAL REINF. TERMINATES AT MCJ EXCEPT FOR BOND BEAM REINF. AT FLOORS AND ROOFS, WHICH EXTEND CONTINUOUS THRU. LOCATE MCJ'S PER PLAN, (DO NOT LOCATE WITHIN 2'-0" OF OPENING)

1 TYP. STEP IN BOND BM.

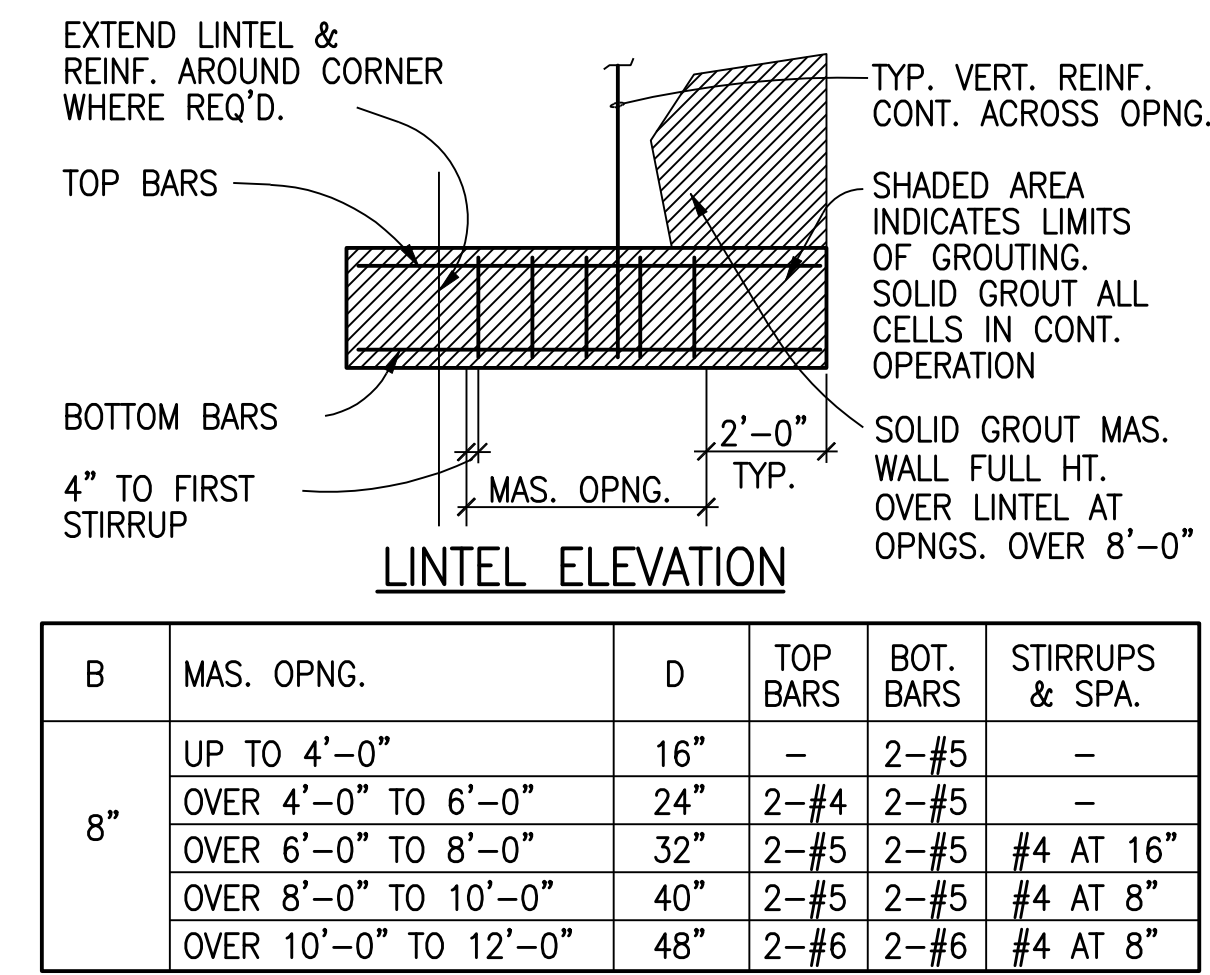
2 TYP. MAS. WALL REINF. SCHED.

3

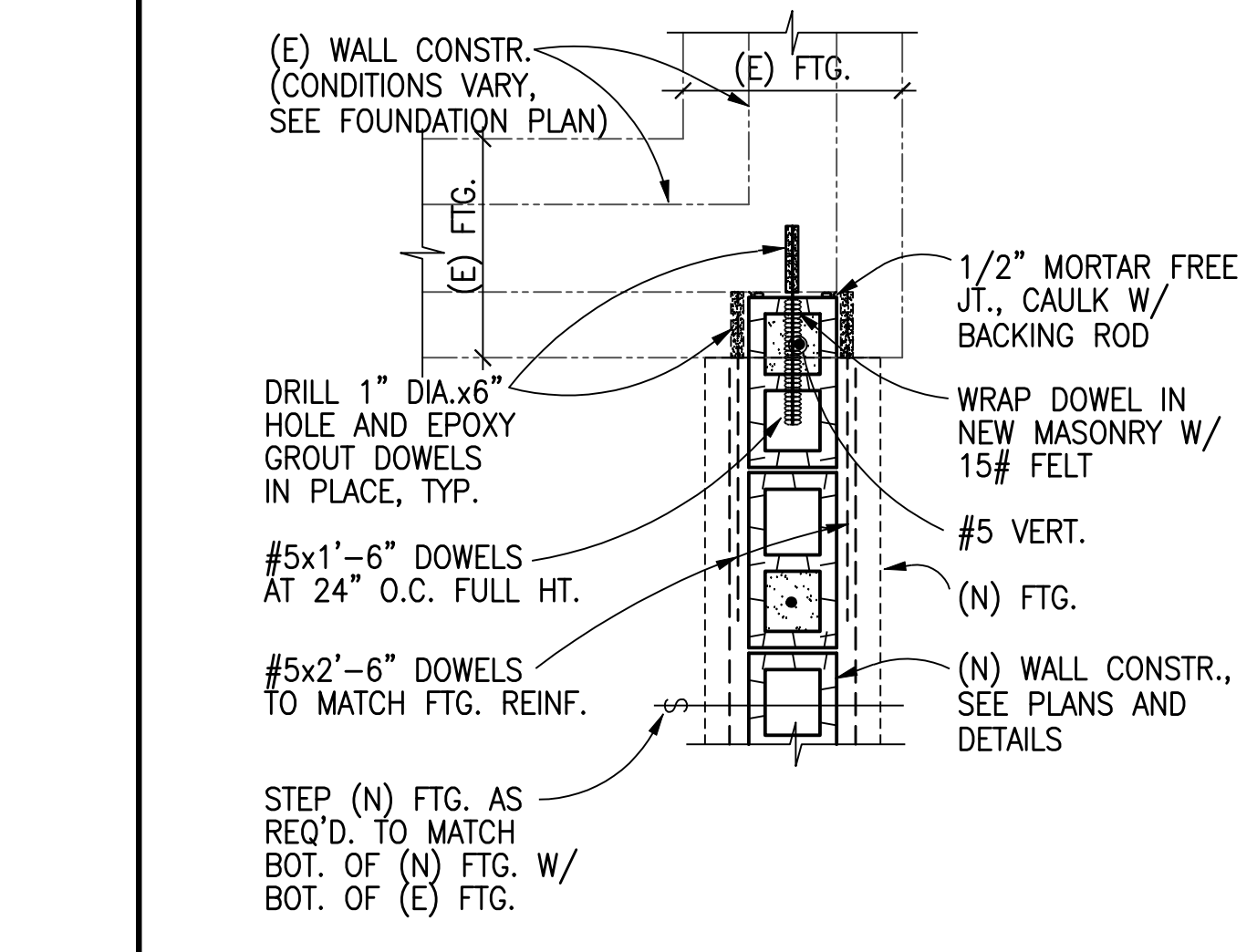
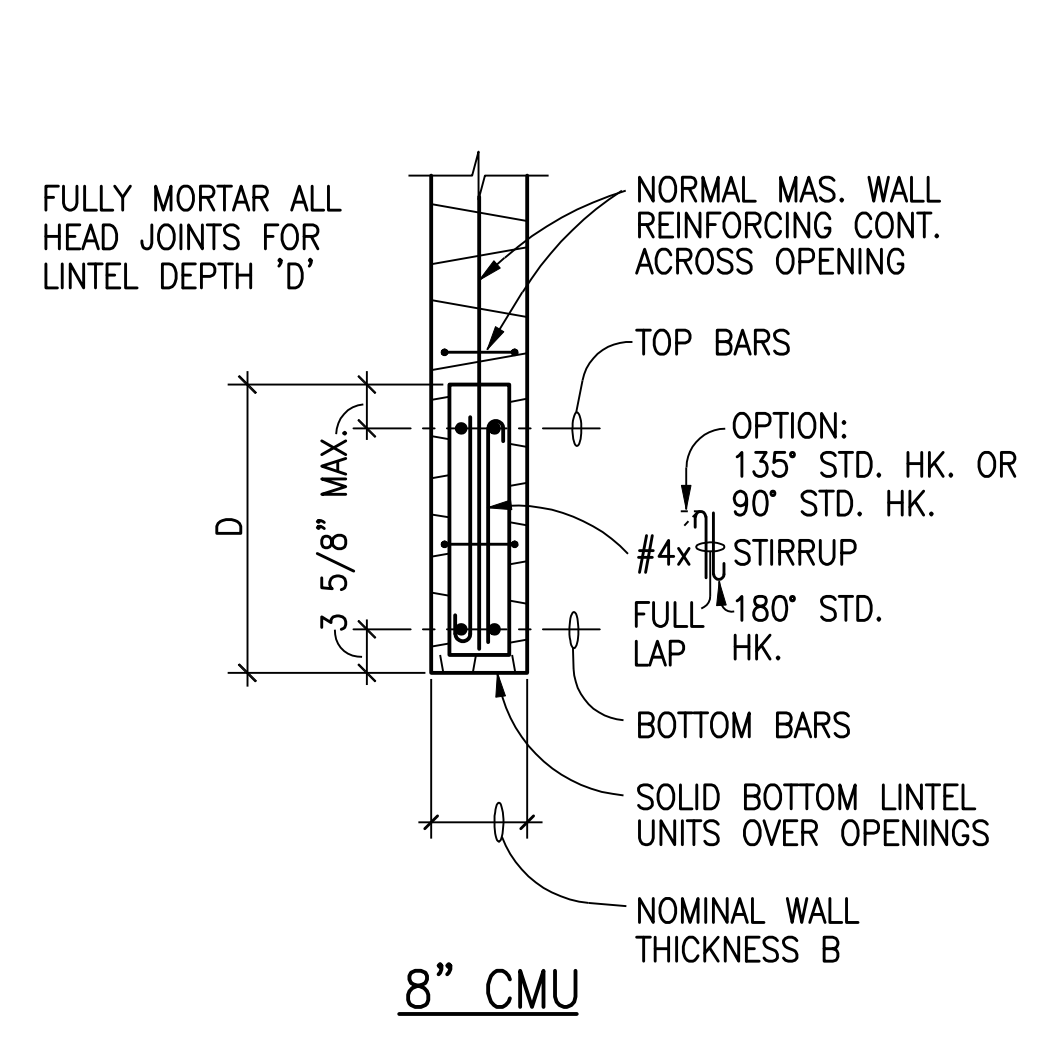
TYP. MIN. MASONRY REINF. DETAILS



- 1 JAMB BARS (RUN FULL HT. FROM DIAPH. TO DIAPH.):
OPNG. WIDTH WALL VERTS.
UP TO 4'-0" 2#5
OVER 4'-0" TO 7'-4" 4#5
OVER 7'-4" TO 12'-0" 6#5
2 LINTEL PER SCHEDULE 5/S4.1, U.N.O.
3 SILL BARS: 2-#4 IN 8" DEEP BOND BM., PROJECT 2'-0" PAST JAMBS.
4 1-#4 EACH SIDE, PROJECT 2'-0" PAST OPNG. IN SOLID GROUTED 8" CELL OR 8" DEEP BOND BM.
5 PIER REINF. REQUIRED AT 2'-0" OR LESS IN WALL WIDTHS PER DETAIL (A). PIER VERTS. TO RUN FULL HT. FROM DIAPH. TO DIAPH., TIES TO RUN FULL HT. OF JAMB(S).
6 #2 TIES AT 8" AT PIER, SEE KEYNOTE 5.



B	MAS. OPNG.	D	TOP BARS	BOT. BARS	STIRRUPS & SPA.
8"	UP TO 4'-0"	16"	-	2-#5	-
	OVER 4'-0" TO 6'-0"	24"	2-#4	2-#5	-
	OVER 6'-0" TO 8'-0"	32"	2-#5	2-#5	#4 AT 16"
	OVER 8'-0" TO 10'-0"	40"	2-#5	2-#5	#4 AT 8"
	OVER 10'-0" TO 12'-0"	48"	2-#6	2-#6	#4 AT 8"



TYP. SPECIAL WALL REINFORCING AT OPNGS. IN MAS. WALLS

4 TYP. LINTEL REINF. IN MAS. WALLS

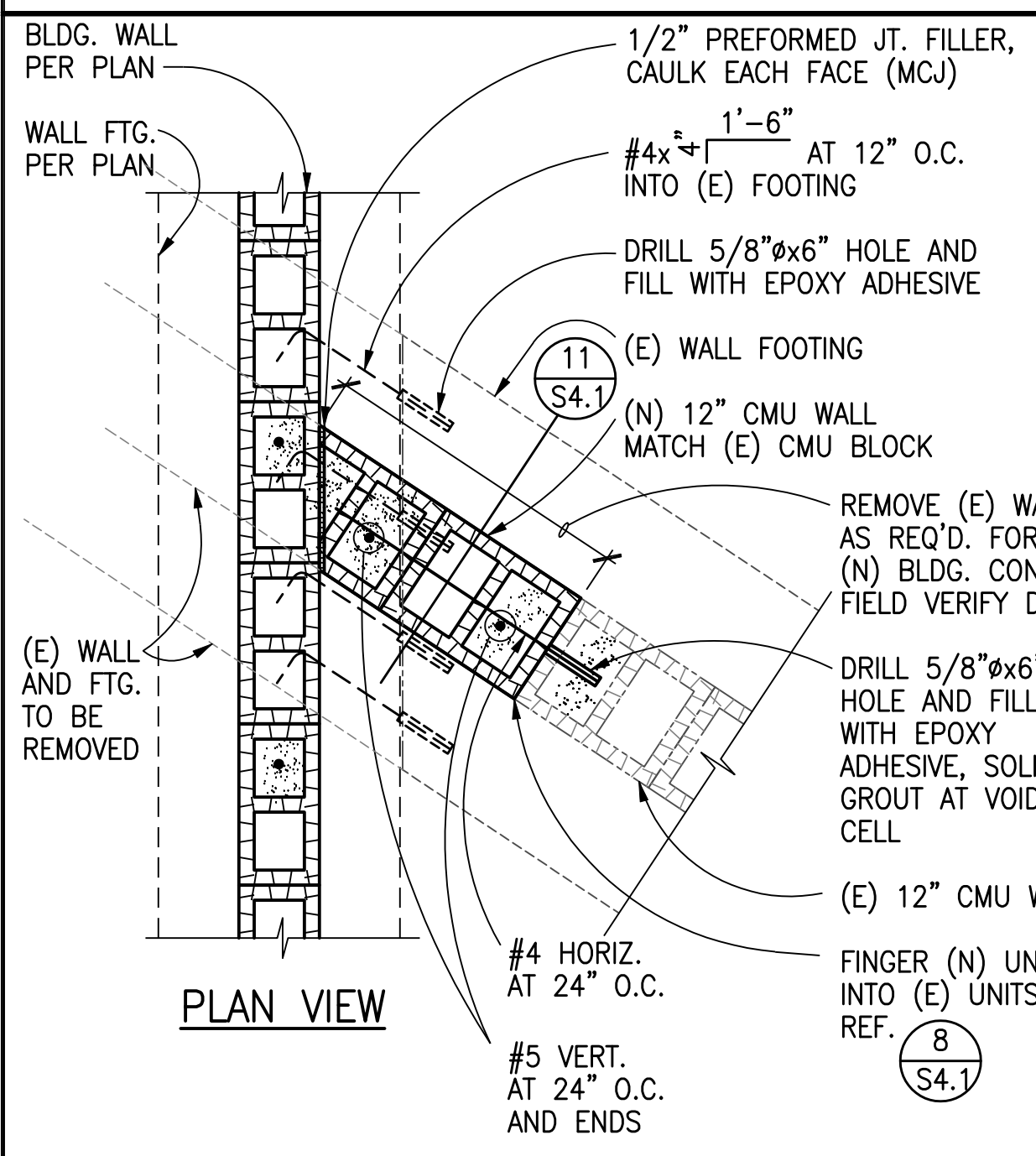
5 TYP. (N) MAS. TO (E) CONN.

6

BAR SIZE	LAP SPLICE LENGTH IN INCHES
#4	24
#5	30
#6	36

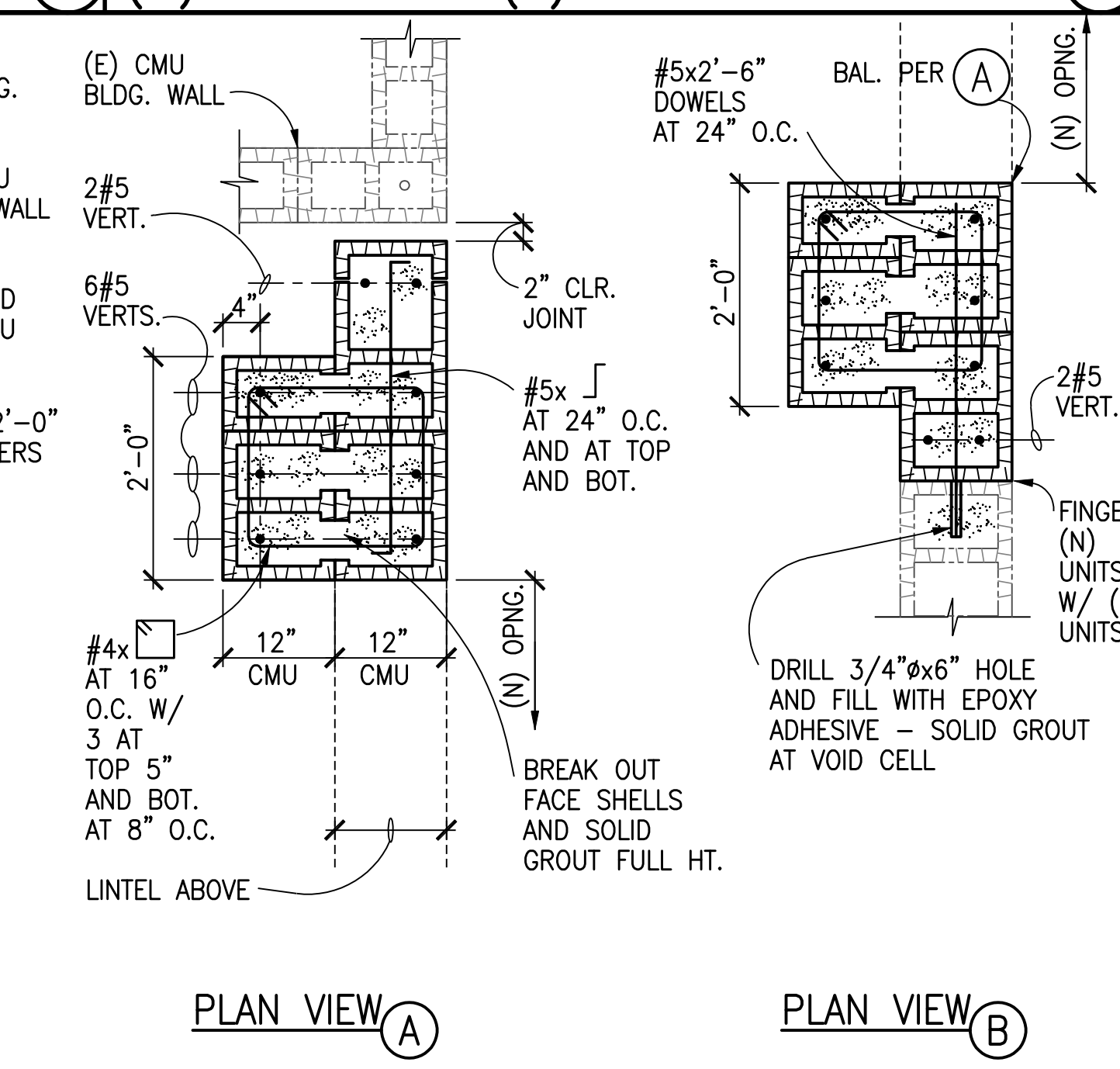
- NOTES:
1 MASONRY DESIGN AND LAP SPLICE BASED ON GRADE 40 REINFORCING, (GRADE 60 REINFORCING TO BE USED).
2 PROVIDE THE SCHEDULED LAP SPLICE UNLESS SPECIFICALLY DETAILED OTHERWISE ON STRUCTURAL DRAWINGS.

MASONRY REINFORCING LAP SPLICE SCHEDULE

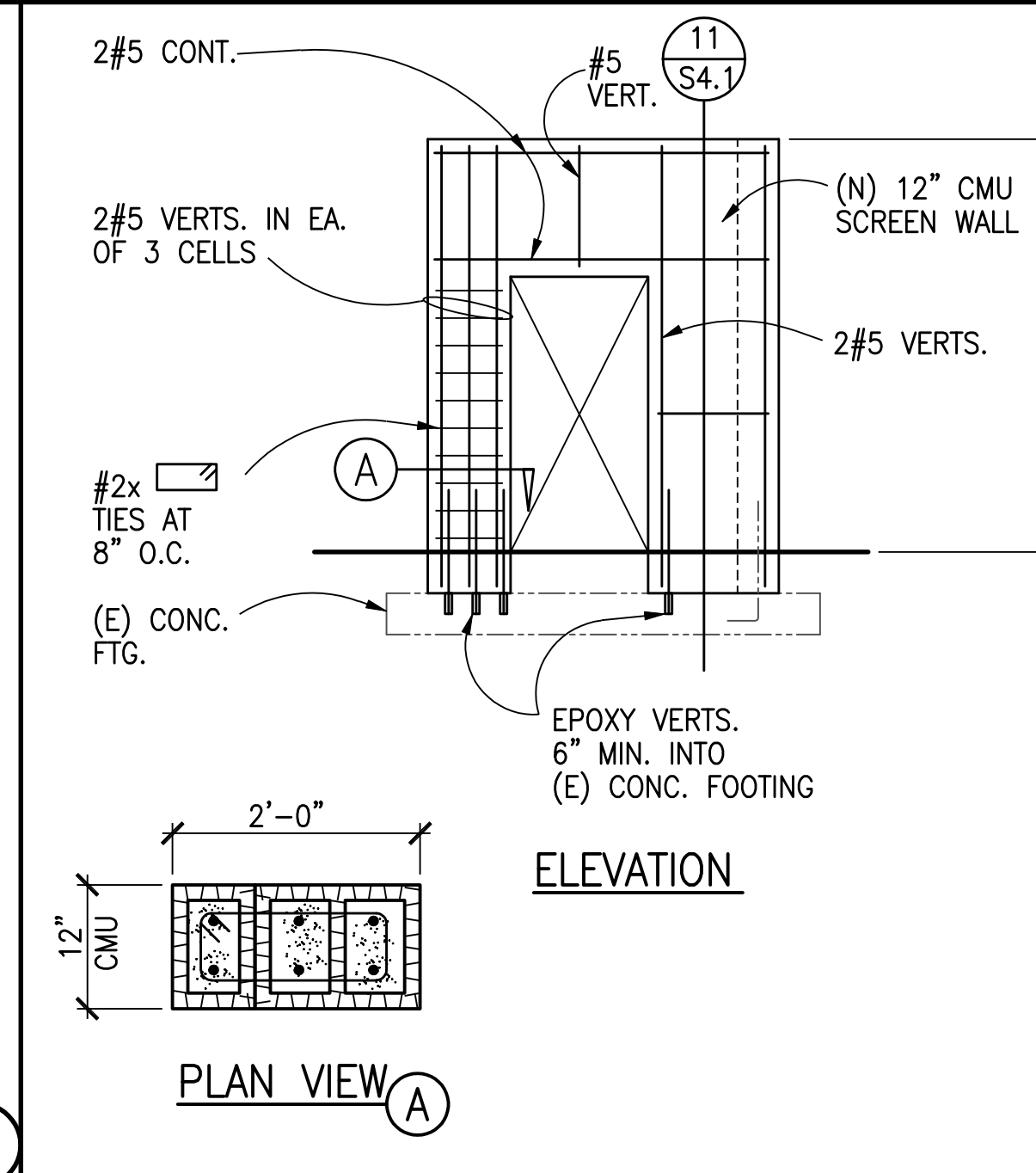


7 TYP. MAS. CLOSURE DETAIL

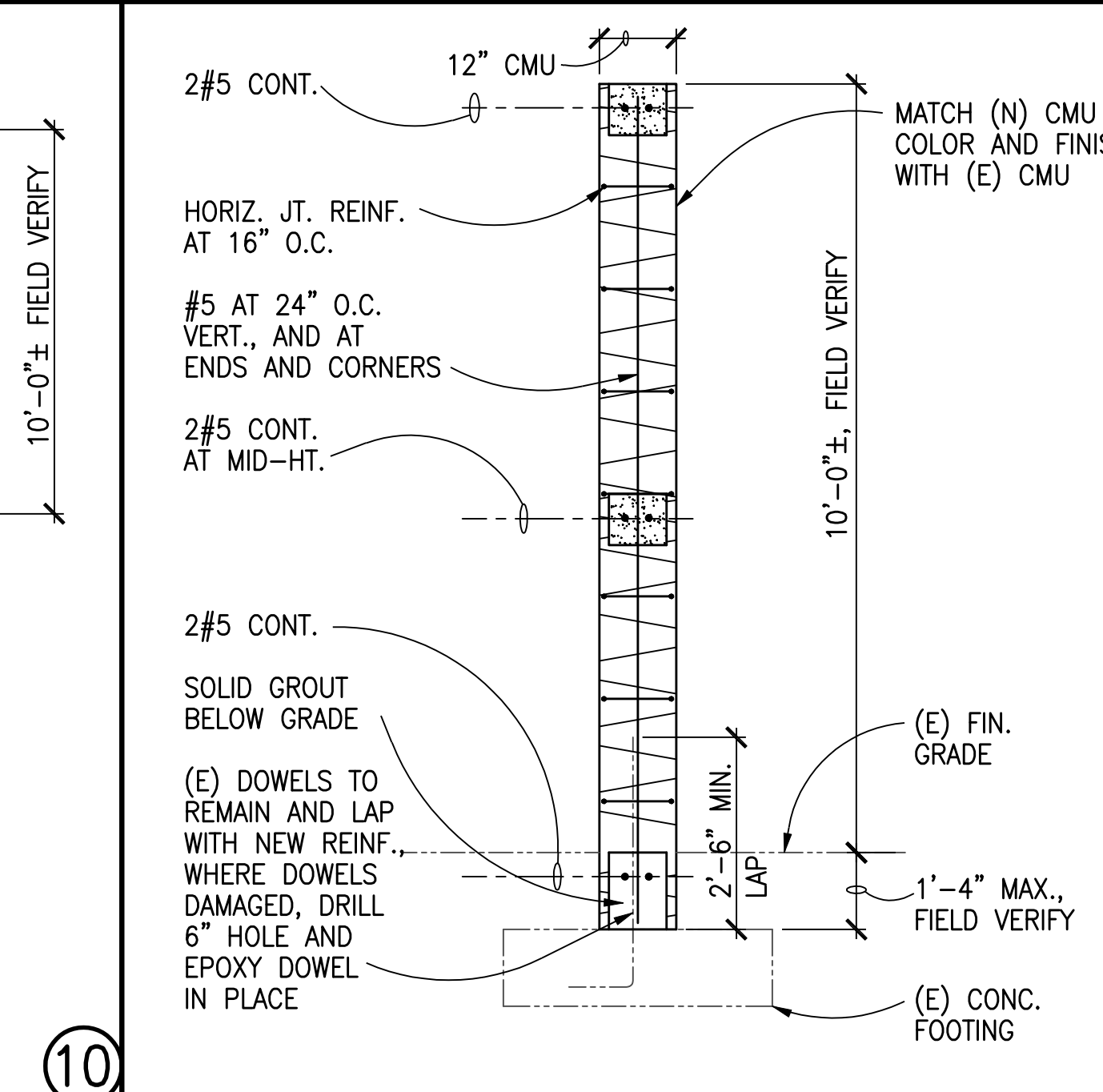
8 TYP. LINTEL FOR (N) OPNG. IN (E) MAS.



9



10



11

12

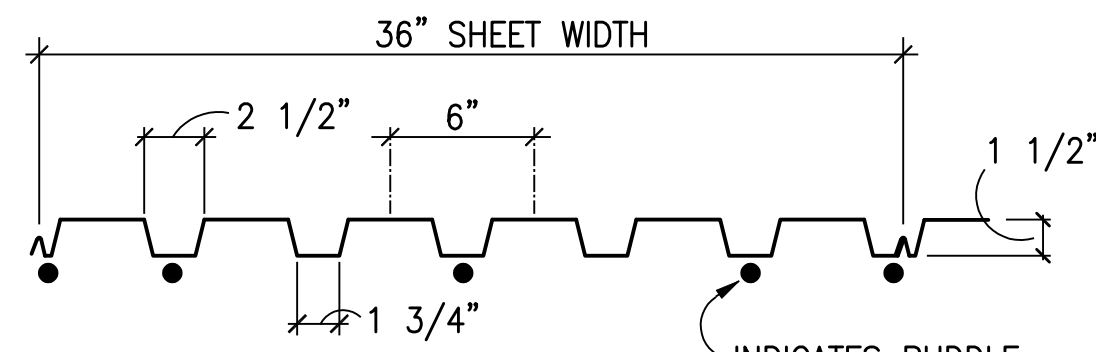
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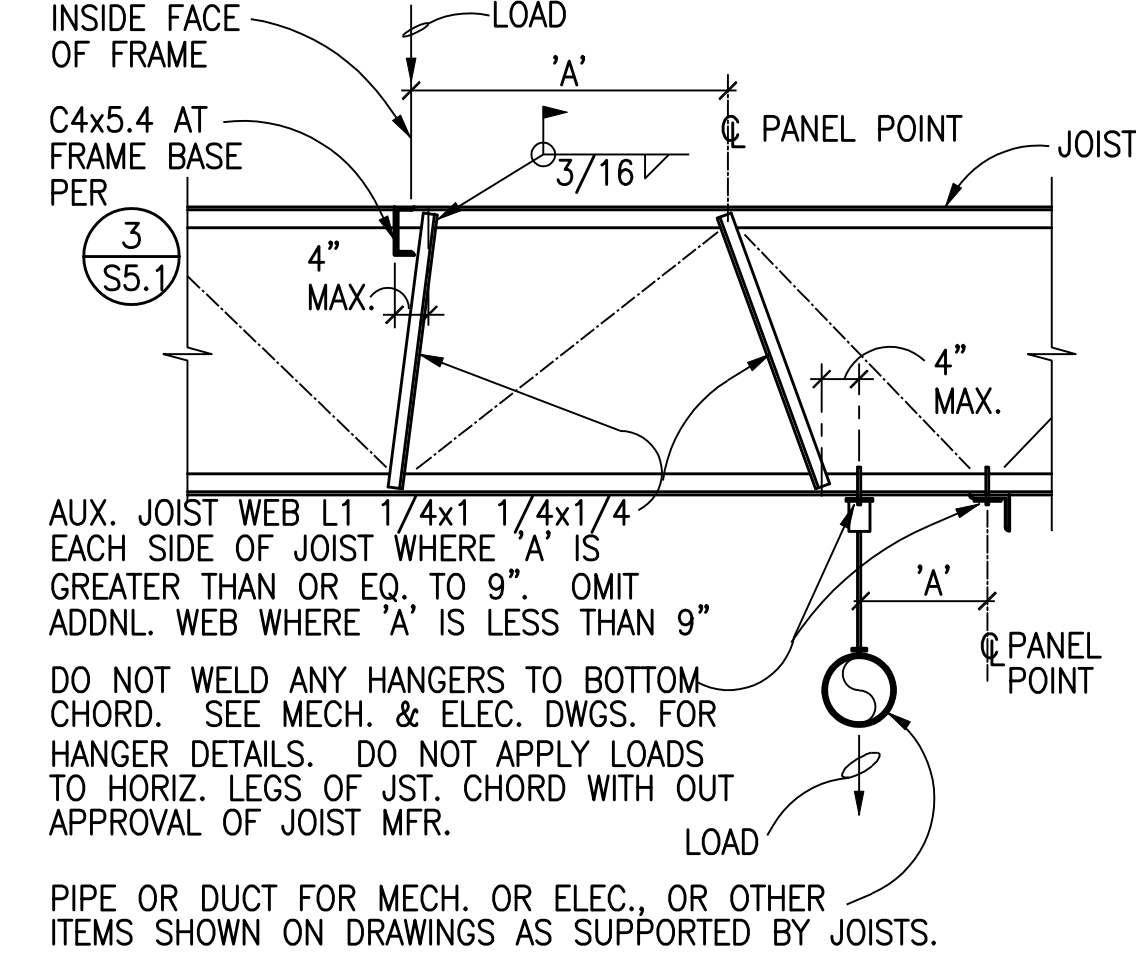


MIN. DECK CONN. ALL SUPPORTS:
5-5/8" P UDDLE WELDS PER SHEET.
5/8" AT 12" O.C. AT PARALLEL SUPPORTS AND BOUNDARIES.
BUTTON PUNCH SEAM CONN. AT 12" O.C.

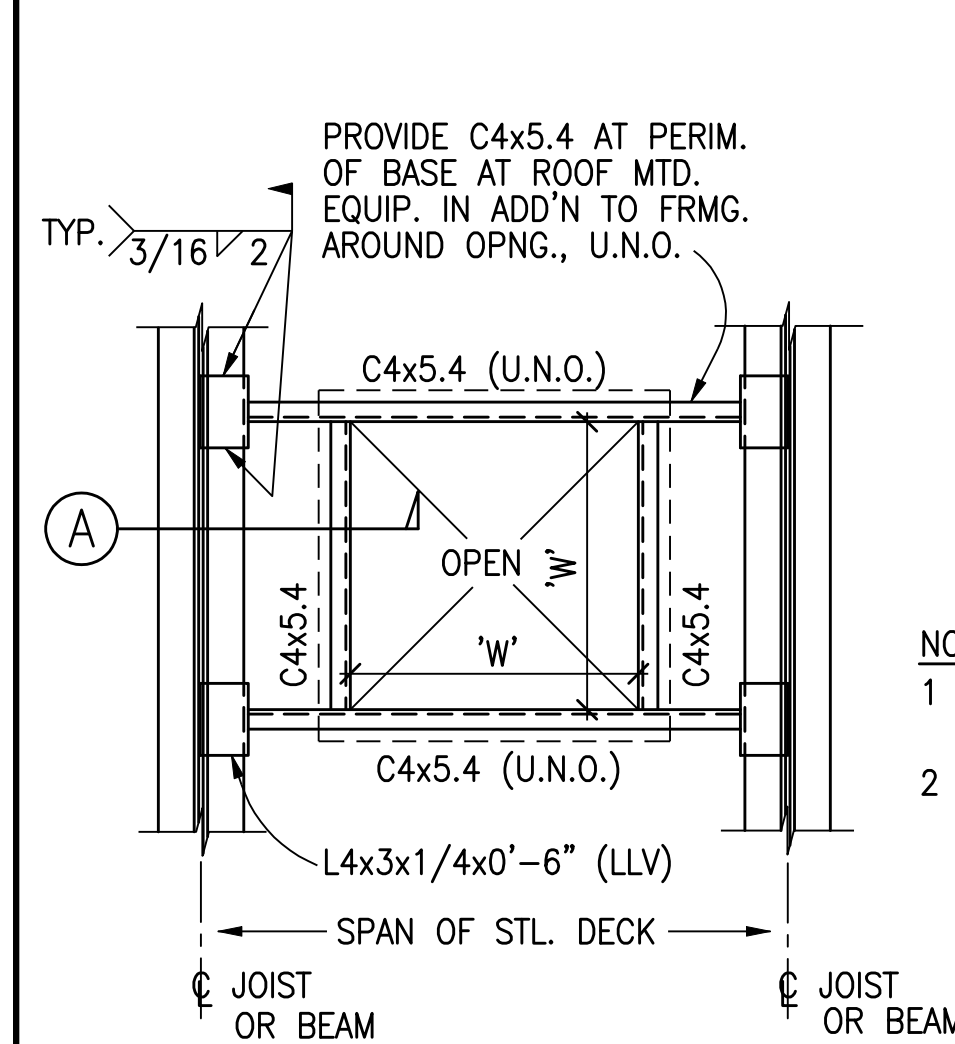
1 1/2" DECK - SECTION

STL. DECK MIN. SECTION PROPERTIES & DATA			
DECK DEPTH		1 1/2"	
GAUGE		20	
MOMENT OF INERTIA, I	(IN ⁴)	0.216	
SECTION MODULUS S (+)	(IN ³)	0.235	
S (-)	(IN ³)	0.248	
FINISH		PAINTED	

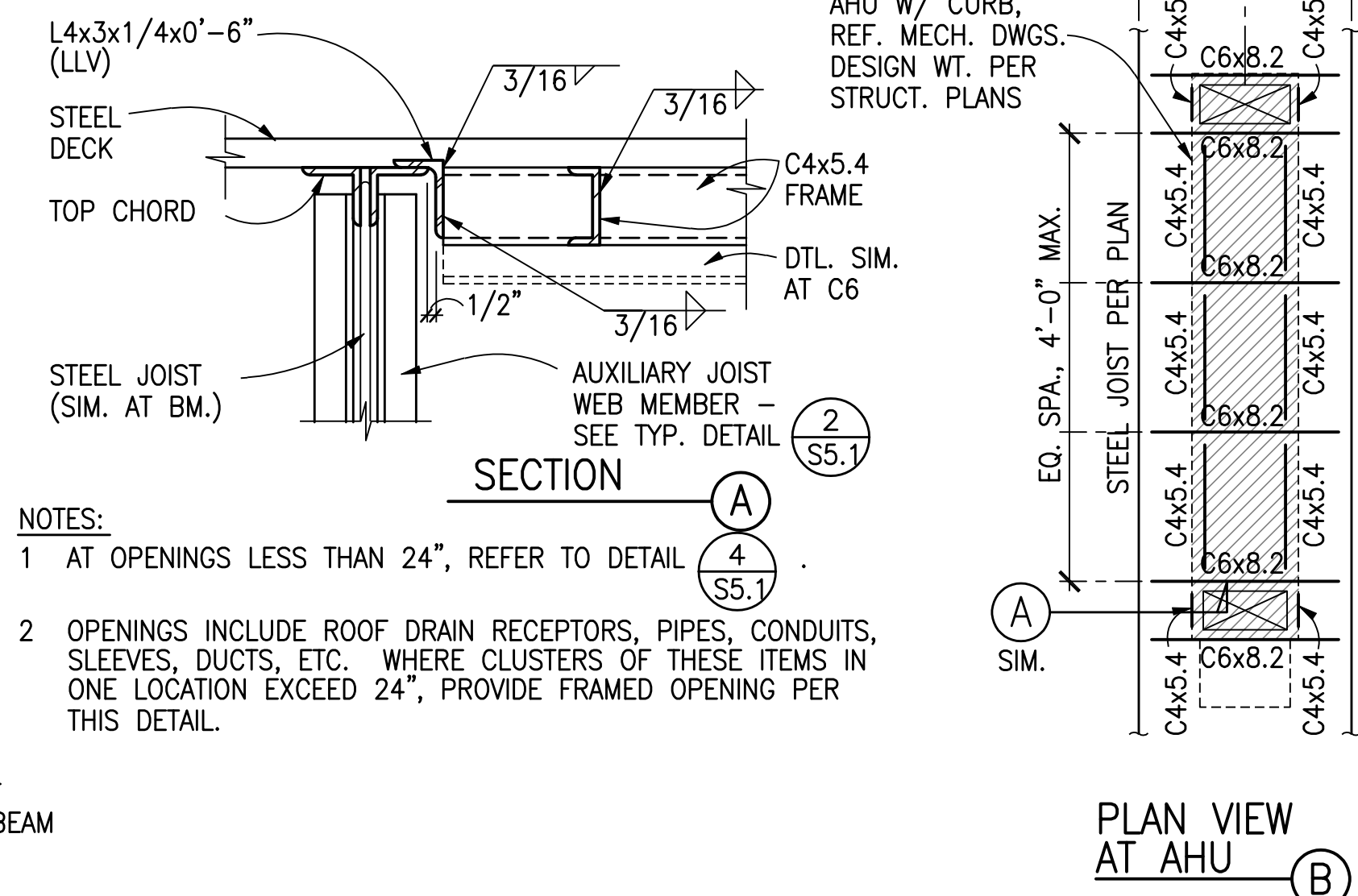
- NOTES:
- 1 DECK LAYOUT SHALL PROVIDE ALL DECK SHEETS OF SUFFICIENT LENGTH TO EXTEND CONTINUOUSLY OVER AT LEAST 3 SPANS.
 - 2 ENDS OF ADJOINING DECK SHEETS SHALL BE CENTERED OVER SUPPORTS & ABUTTED OR ACCEPTABLY LAPPED 2". ABUTTED SHEETS REQUIRE 2 TYPICAL WELDS AT EACH WELD LOCATION.
 - 3 P UDDLE WELDS INDICATED AS 5/8" SHALL MEET THE WELD REQUIREMENTS FOR A FULL EFFECTIVE 1/2" DIAMETER FUSION AREA AT THE FACE OF THE SUPPORT MEMBER, & THE BURNED OUT PORTION OF THE DECK SHEET SHALL BE FILLED WITH MELTED WELD ROD MATERIAL TO THE THICKNESS OF THE SHEET WITHOUT POROSITY AT THE EDGE OF THE WELD TO THE SHEET.
 - 4 DO NOT SUSPEND CEILINGS, LIGHT FIXTURES & CONDUITS, DUCTS, PIPING, OR OTHER UTILITIES & UTILITY COMPONENTS FROM DECK.
 - 5 SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



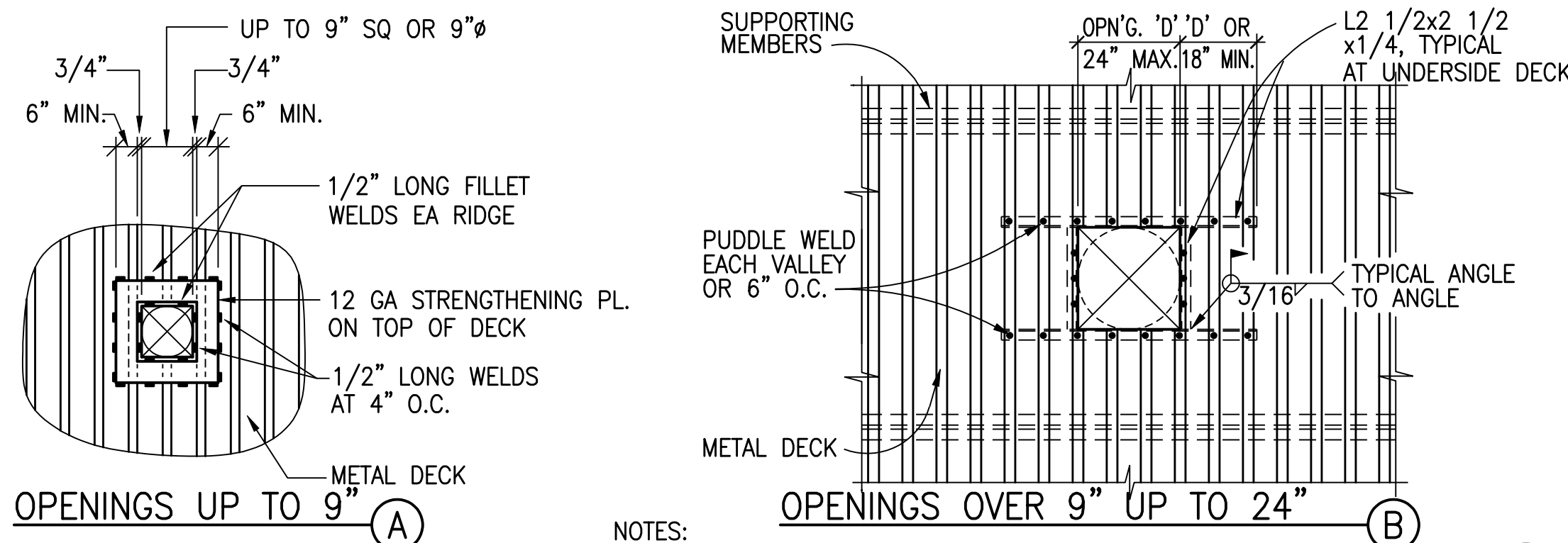
TYP. AUXILIARY JOIST WEB MEMBER & HANGER



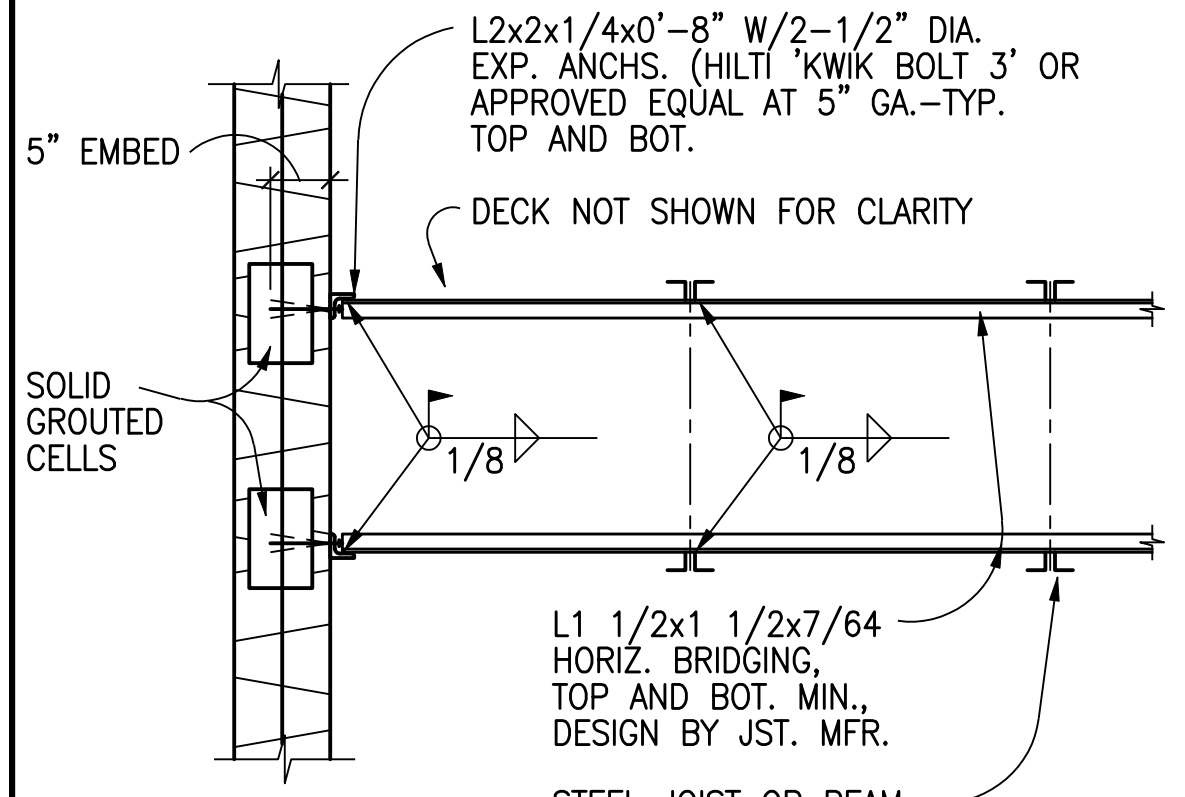
TYP. ROOF DECK FRAMING AT OPENINGS & MECH. EQUIP.



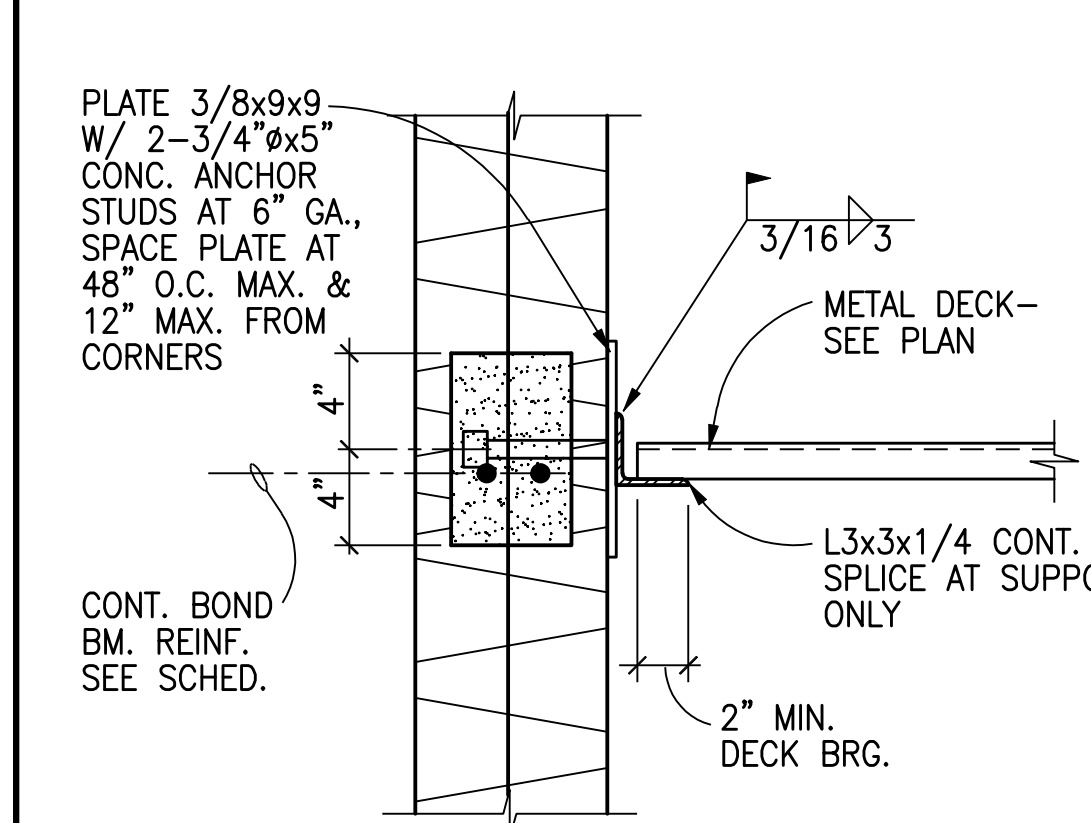
TYP. PLAN VIEW AT AHU



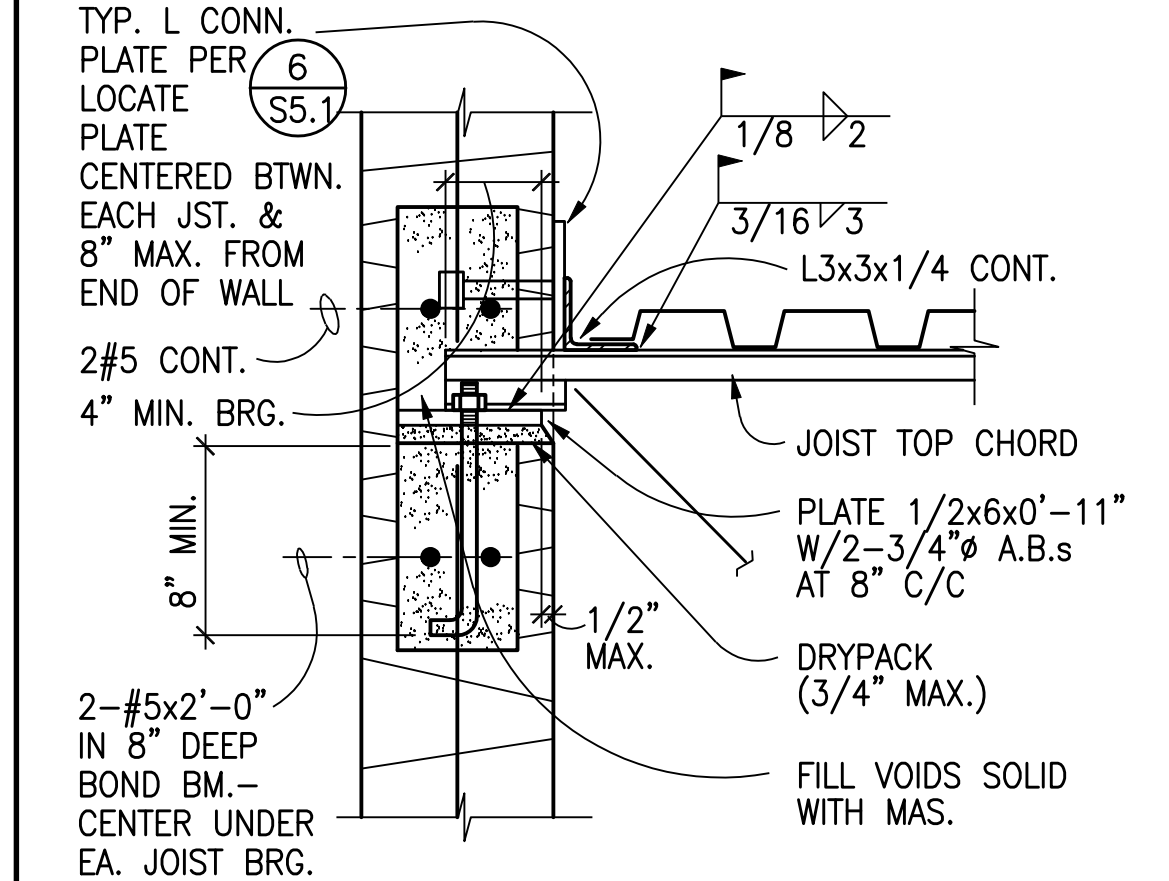
TYP. OPENINGS IN ROOF DECK



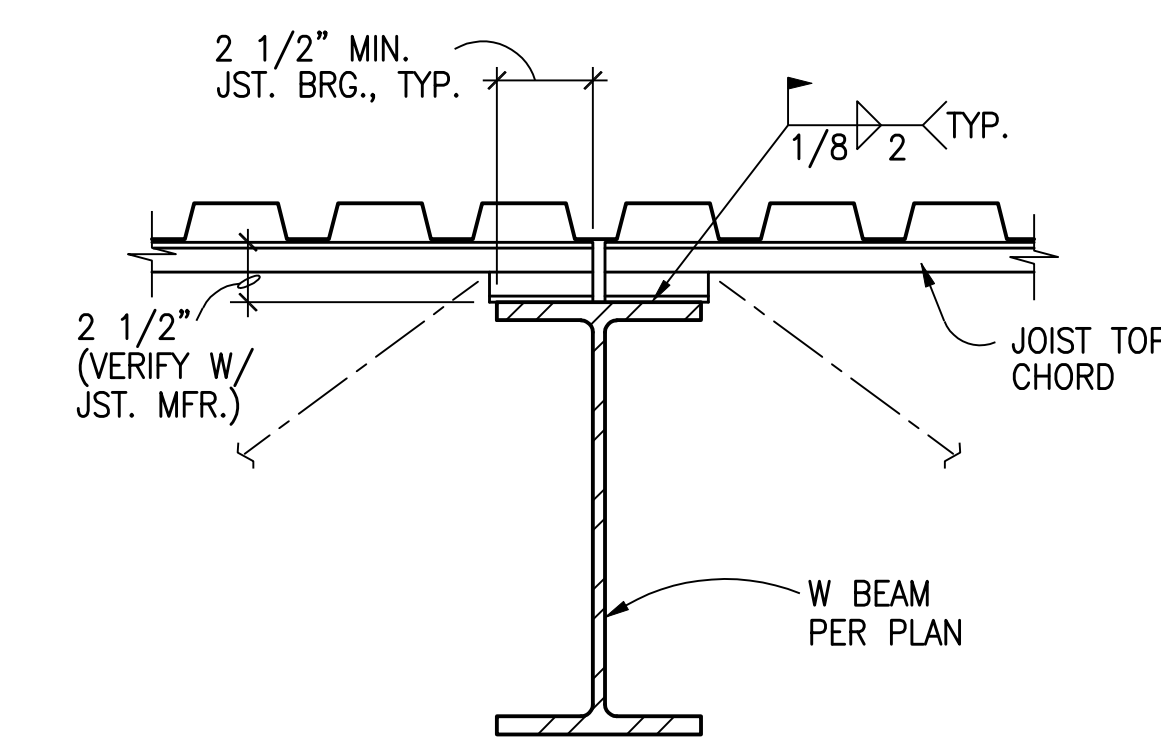
TYP. MIN. JOIST BRIDGING



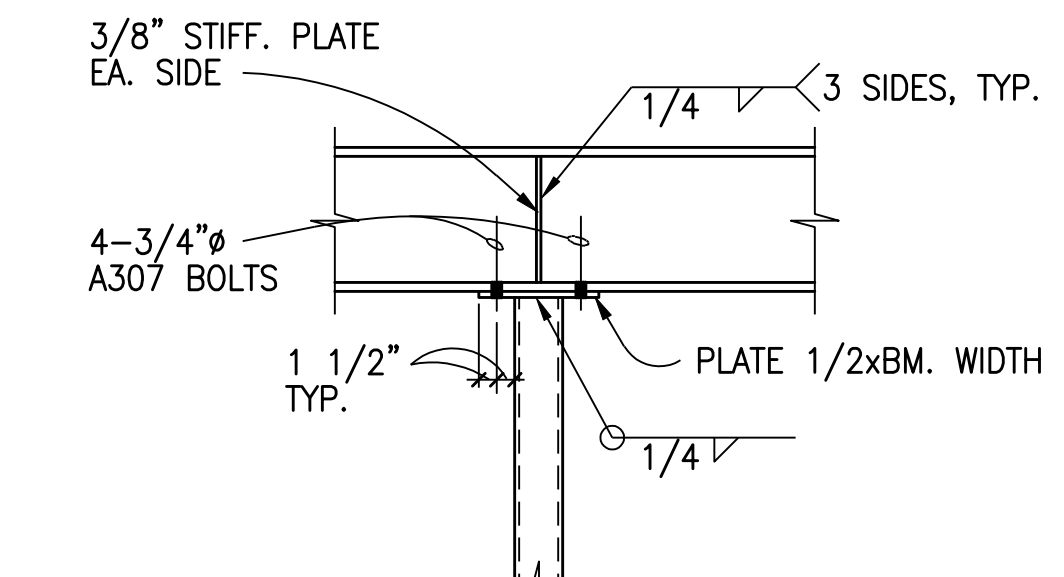
TYP. DECK BRG. ON MASONRY WALL



TYP. OWSJ (K SERIES) BRG. ON MASONRY WALL



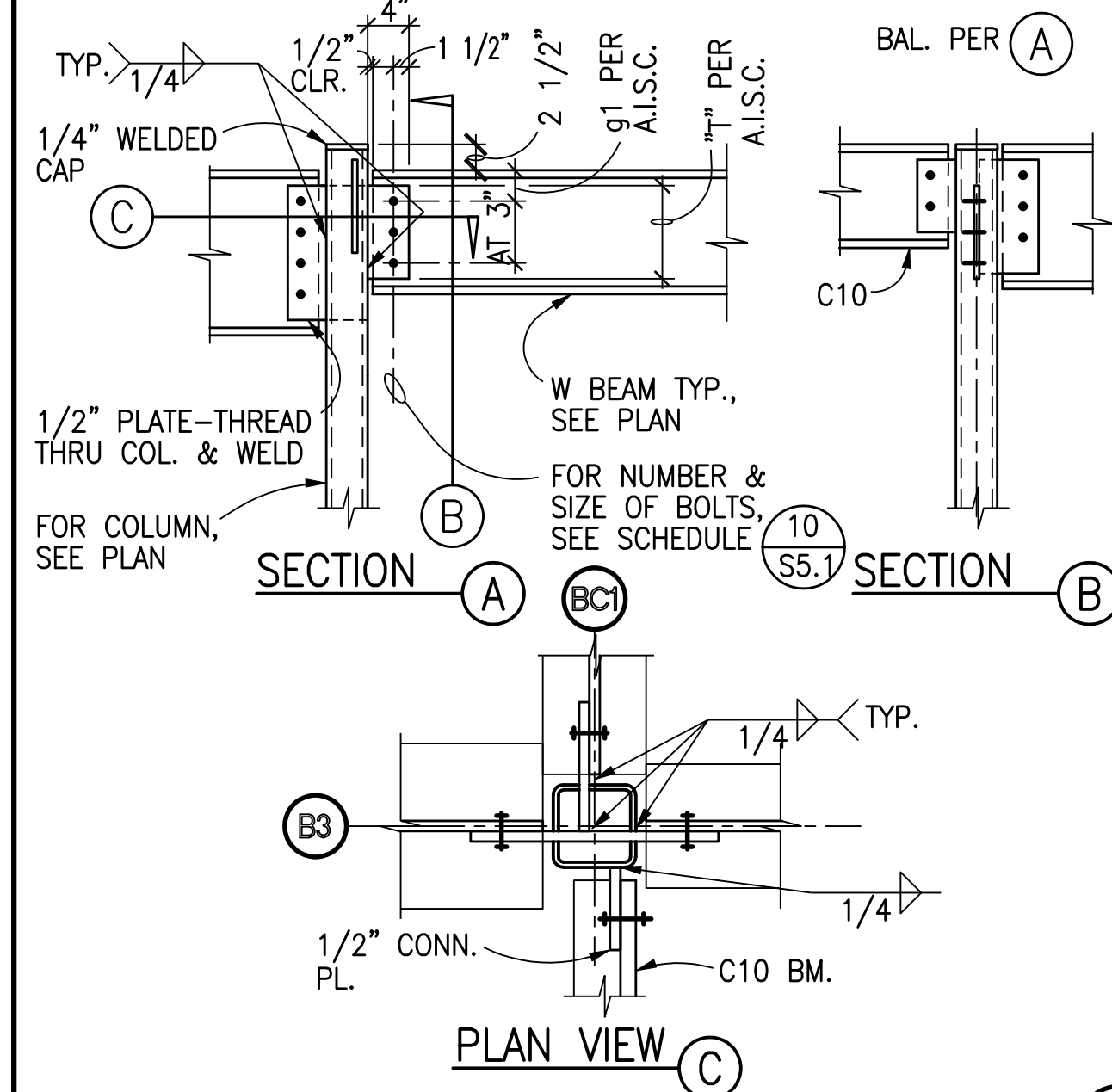
TYP. OWSJ (K SERIES) BRG. ON STEEL BEAM



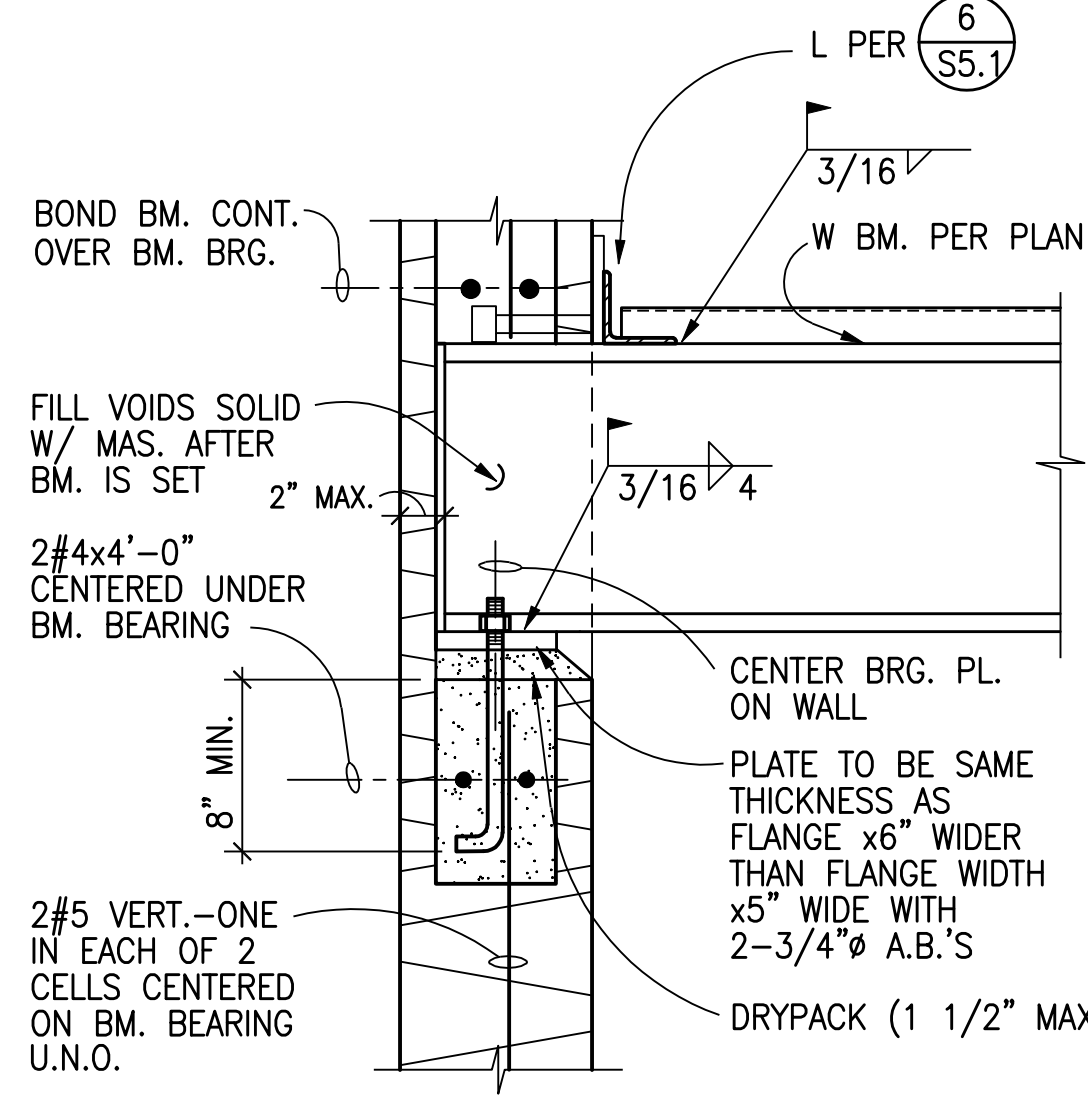
TYP. BEAM CONT. OVER COL.

BEAM DEPTH (INCHES)	NO. OF 3/4" DIAM. A325-N BOLTS
21 & 24	6
18	5
16	4
12 & 14	3
8 & 10	2
5 & 6	2

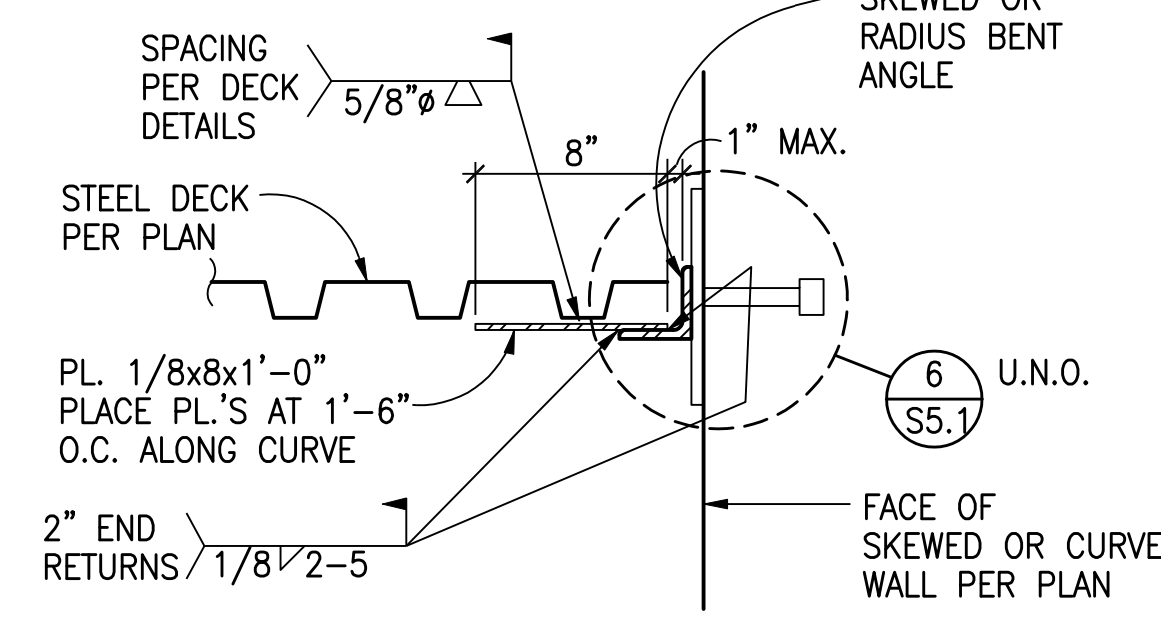
TYP. STL. BM. BOLT SCHED.



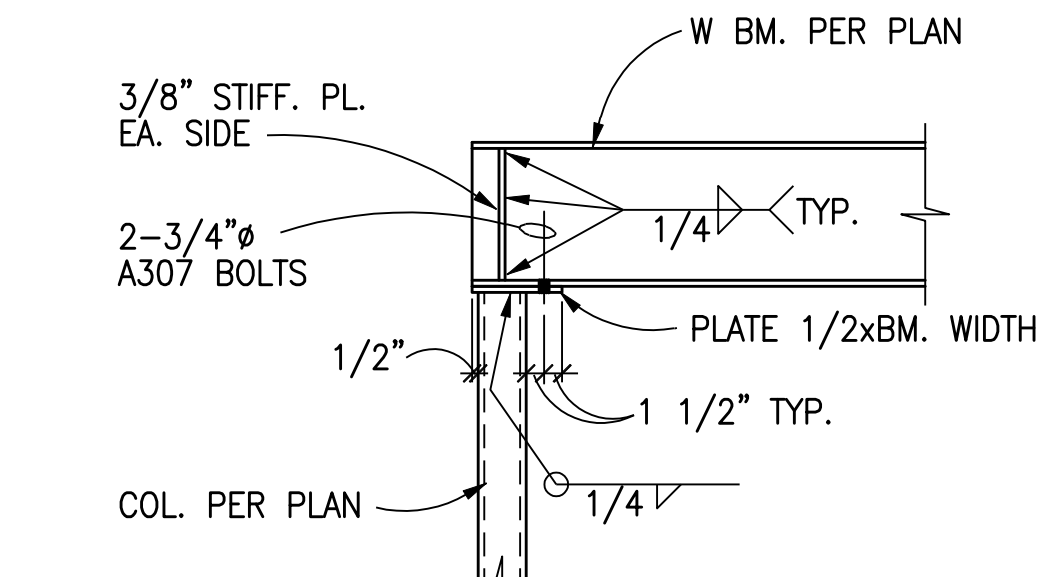
TYP. STL. BM. TO COL. CONN.



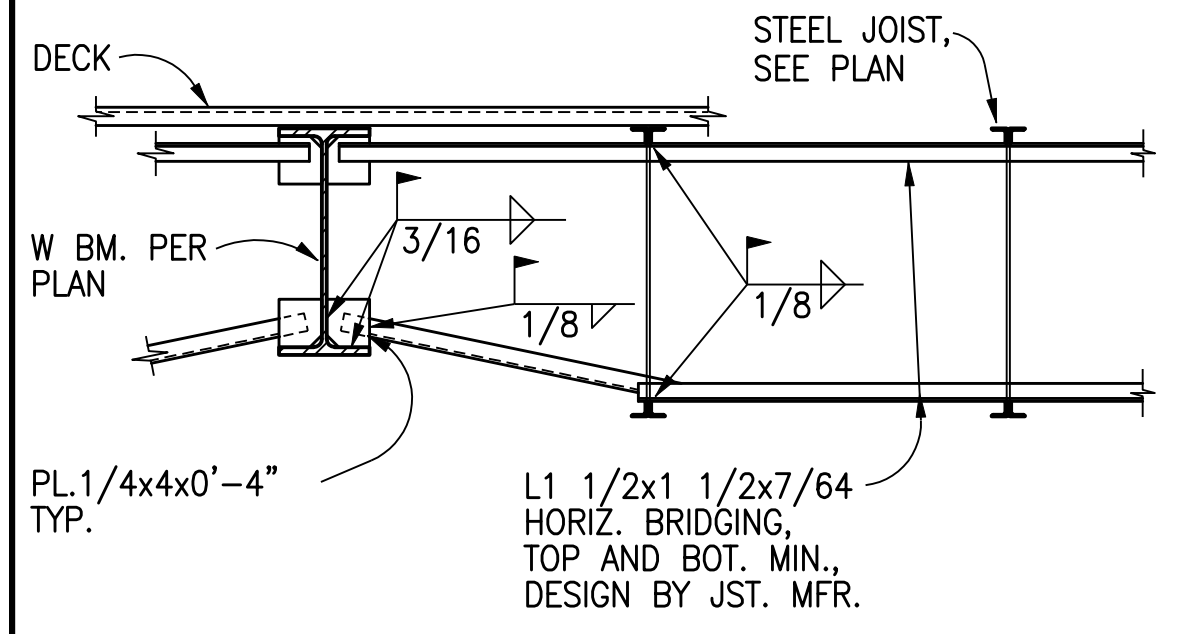
TYP. STL. BM. BRG. ON MASONRY WALL



TYP. SKEWED DECK BRG. AT WALL



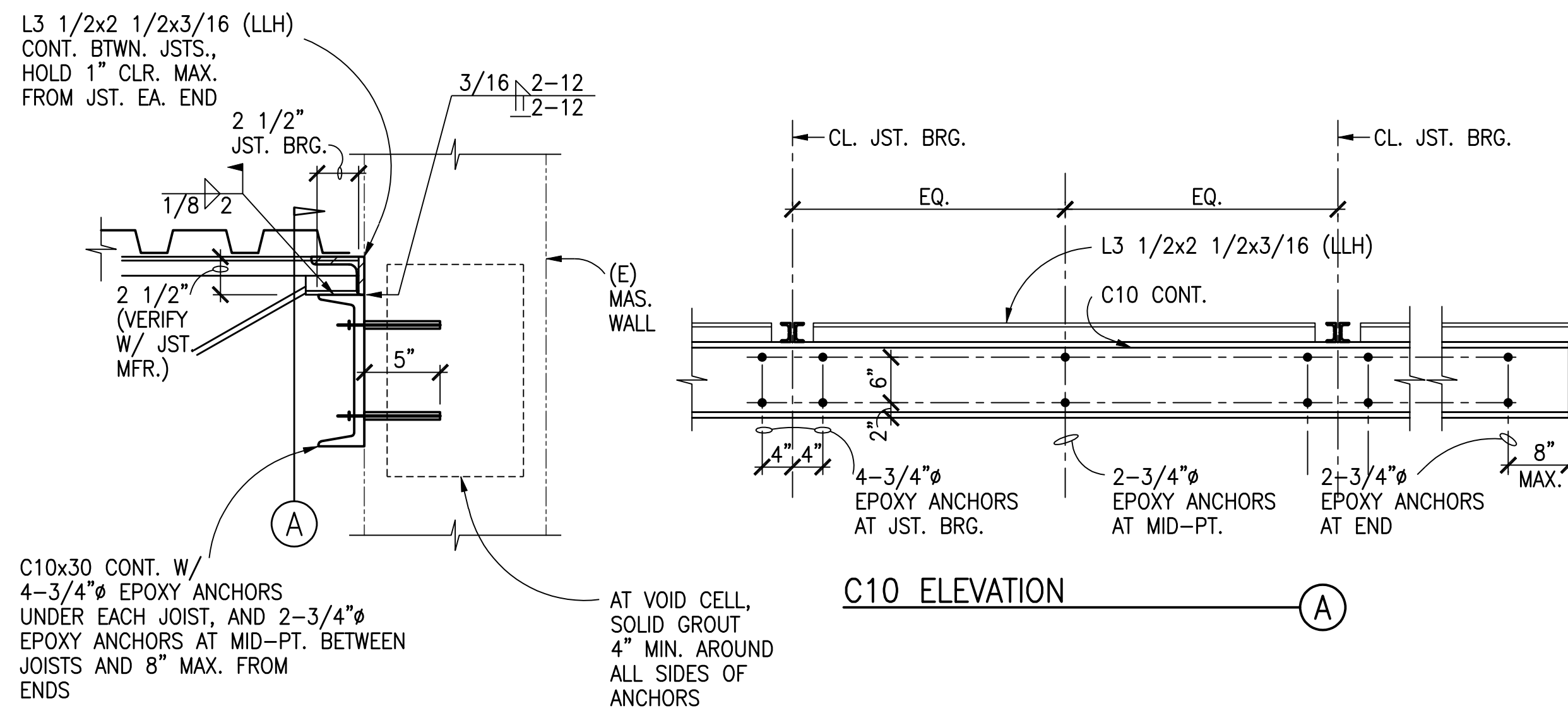
TYP. BEAM BRG. ON COL.



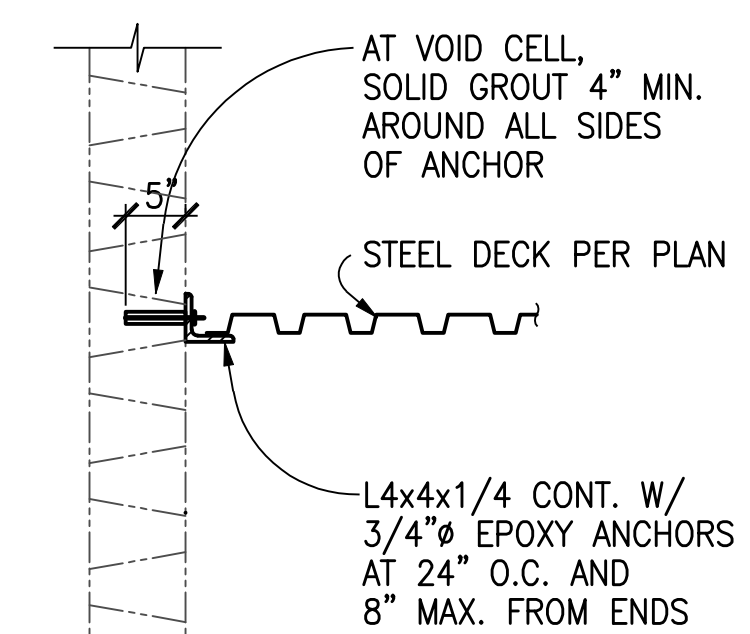
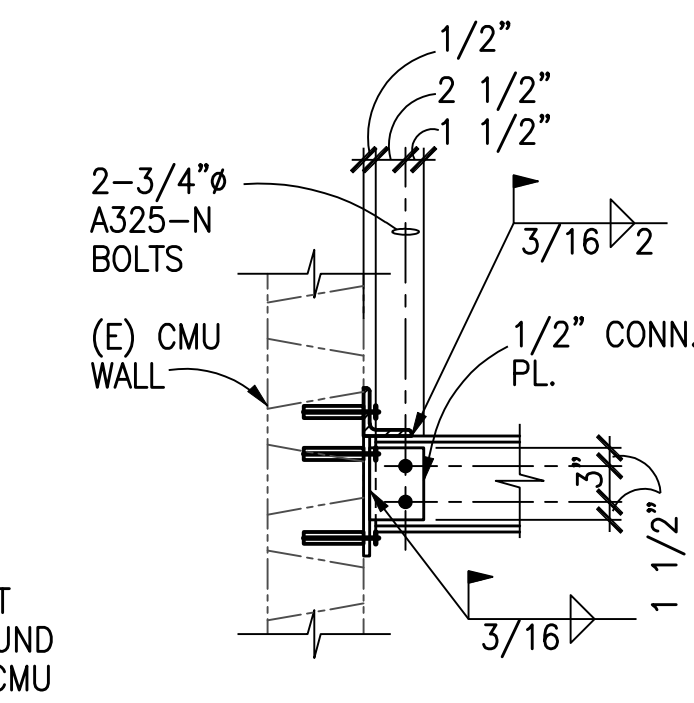
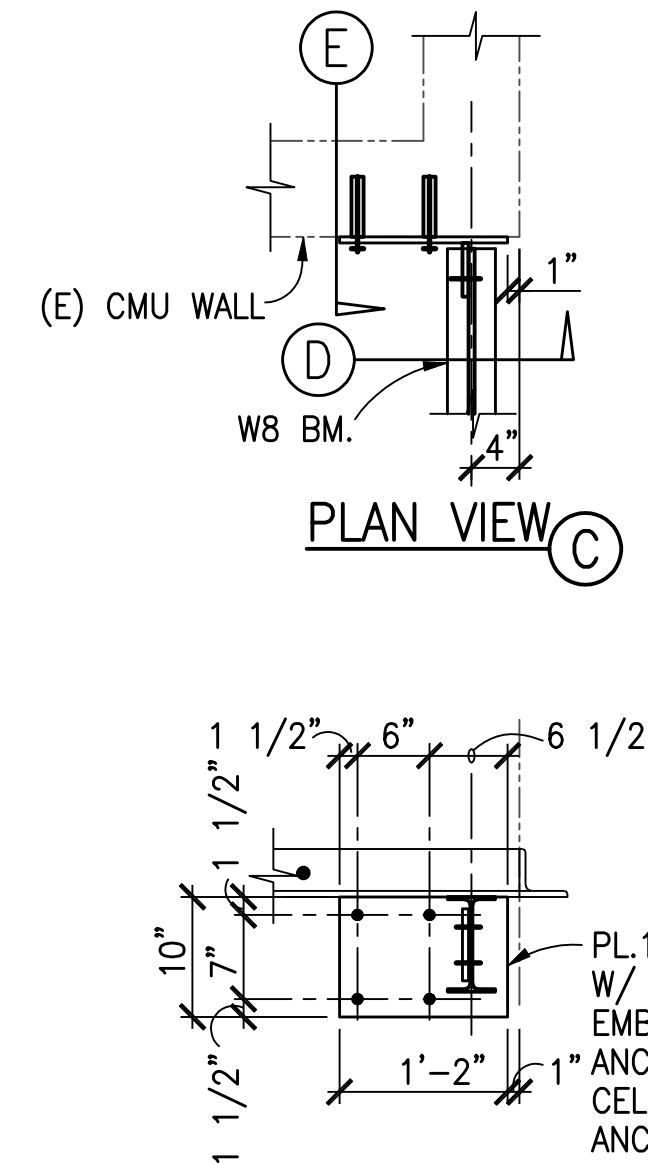
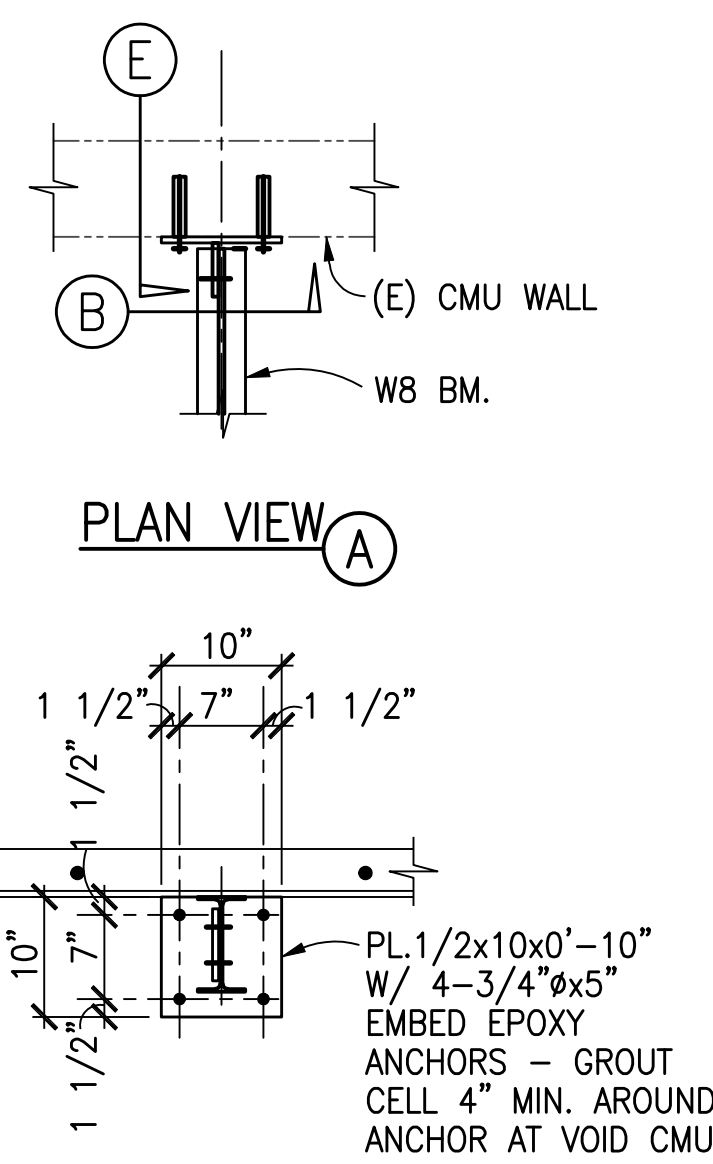
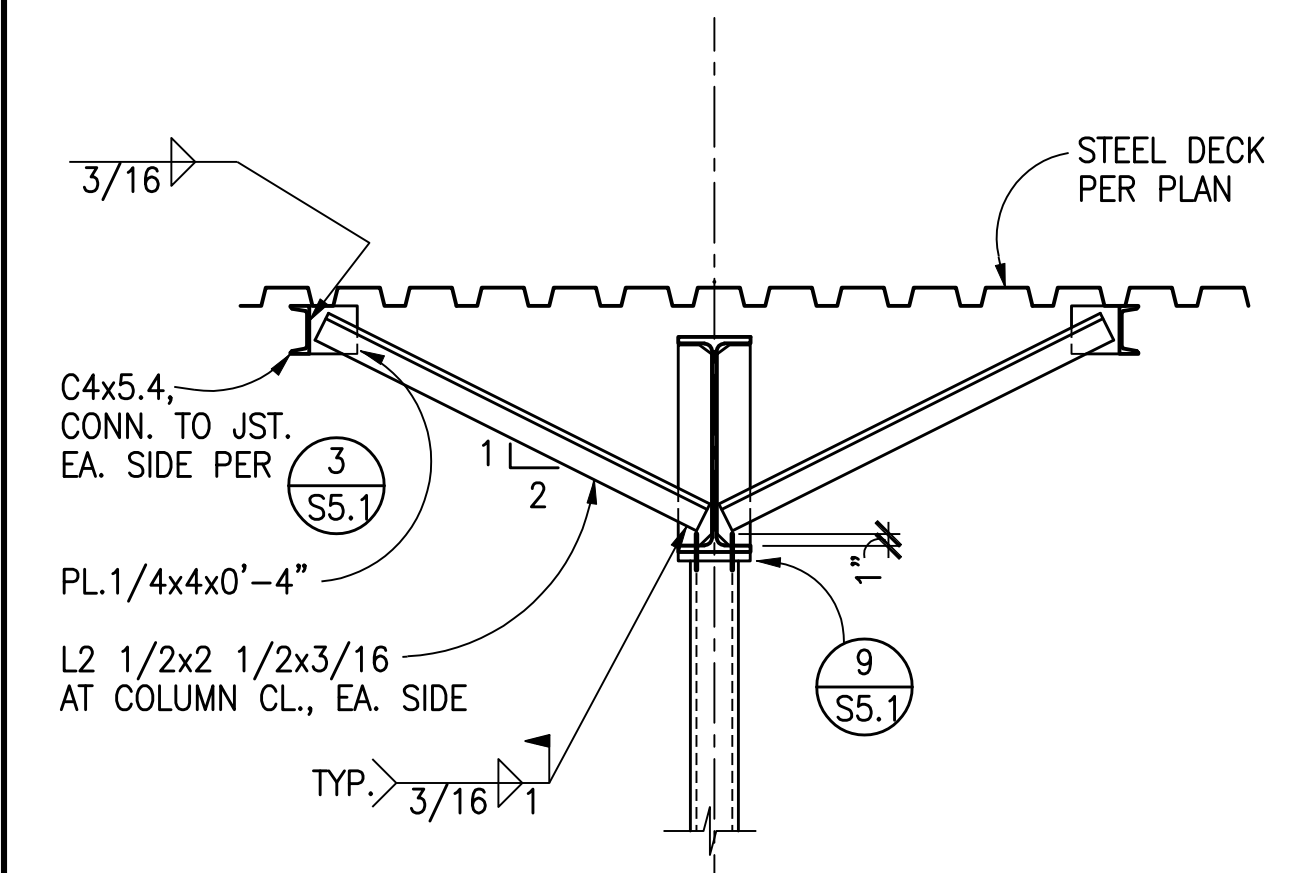
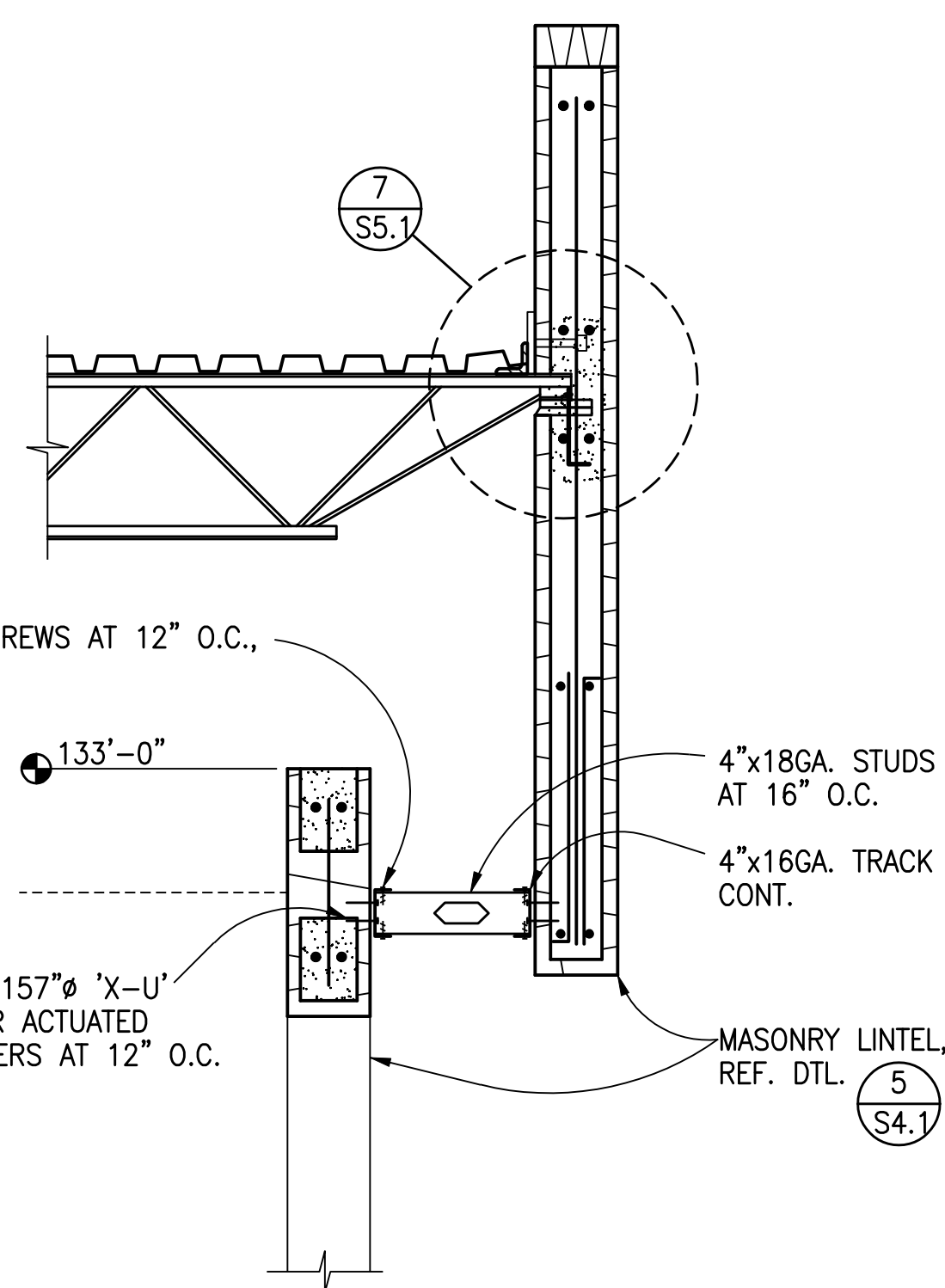
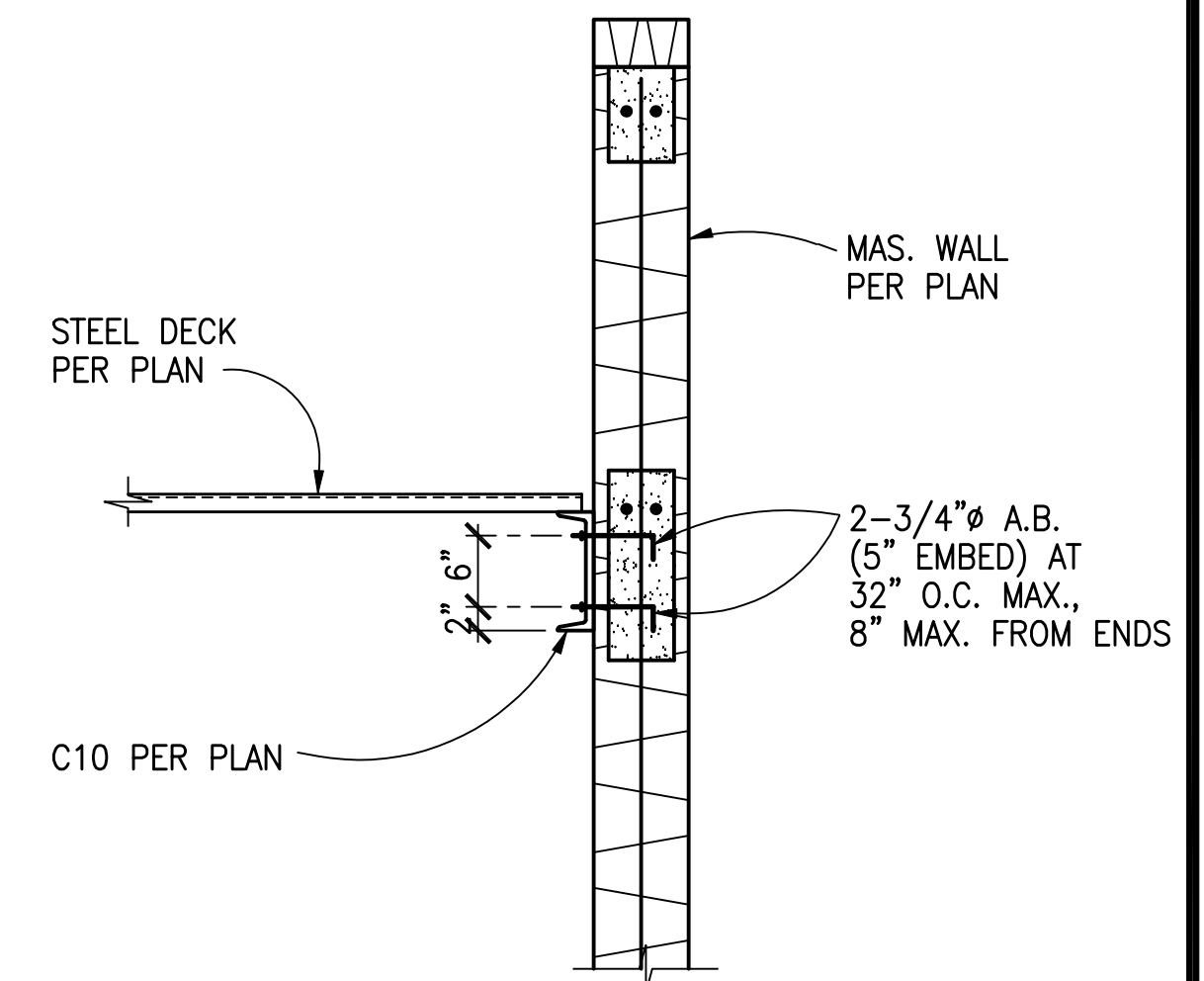
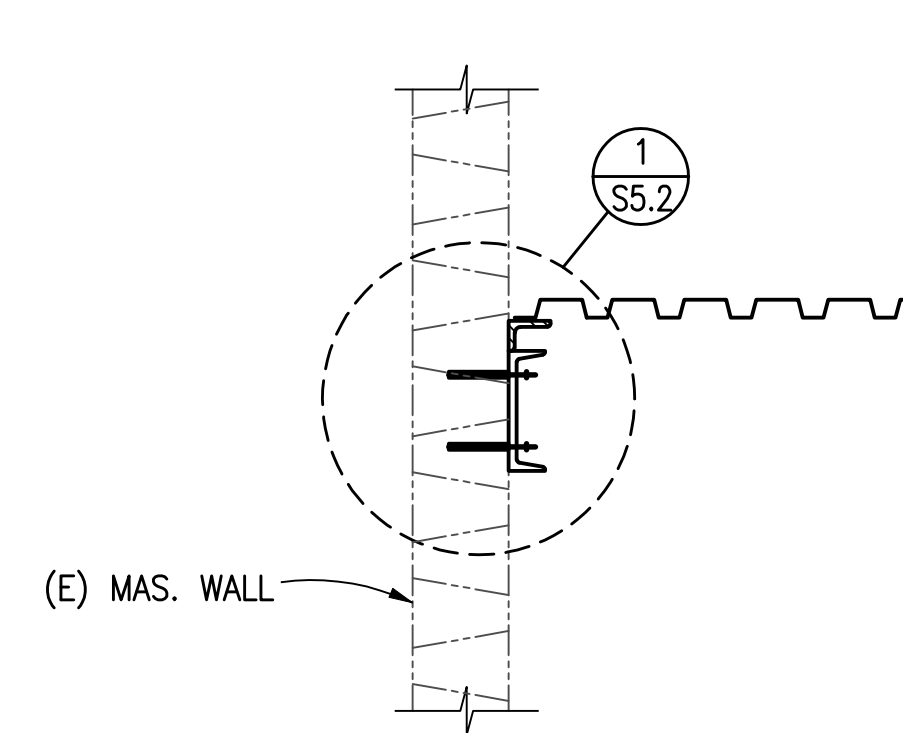
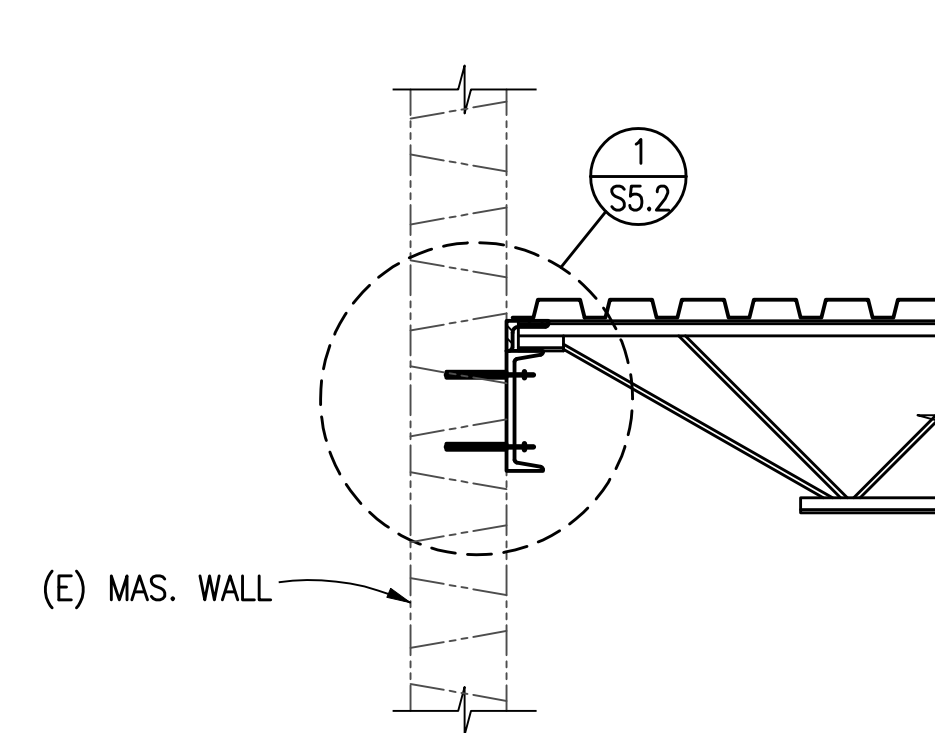
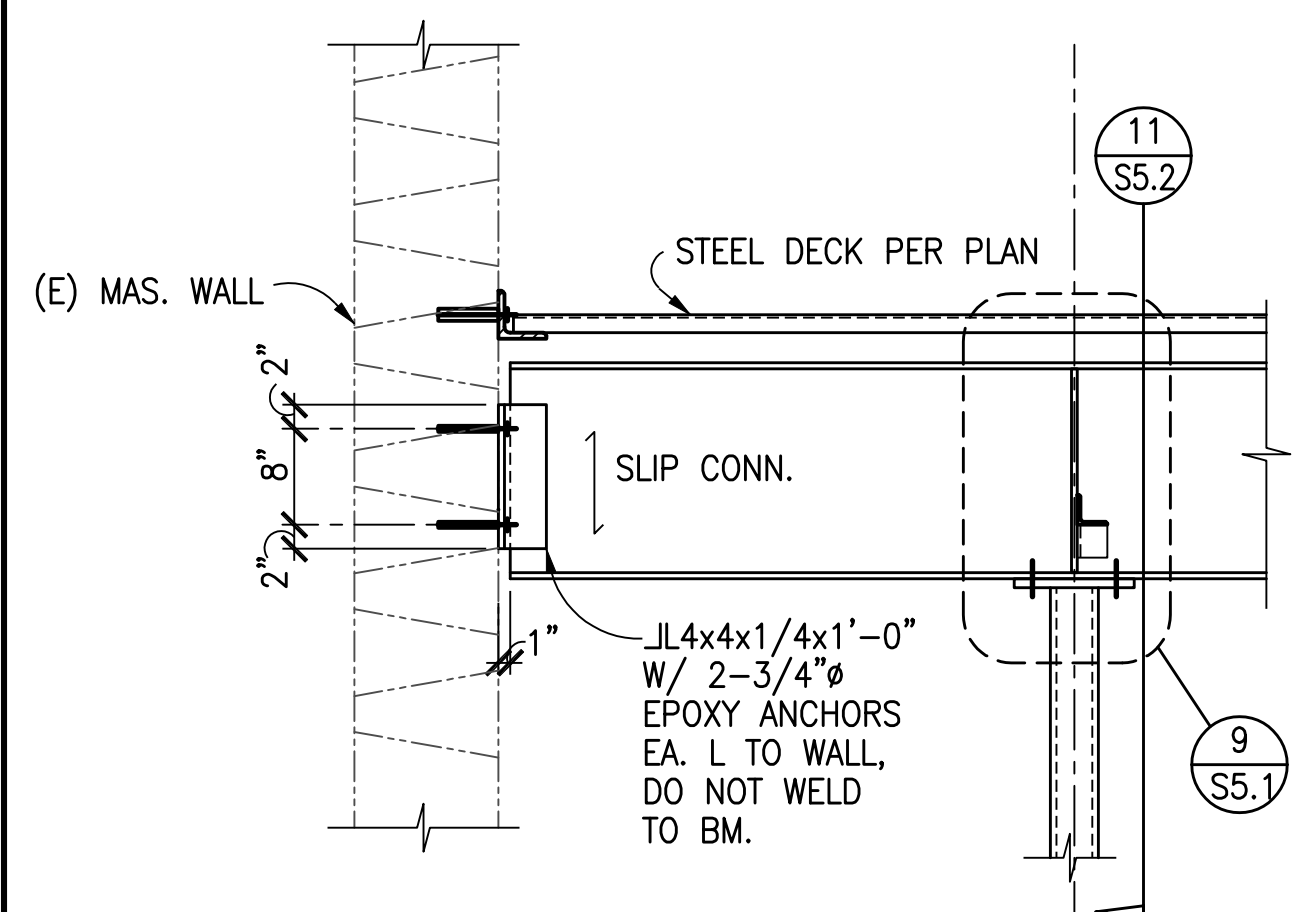
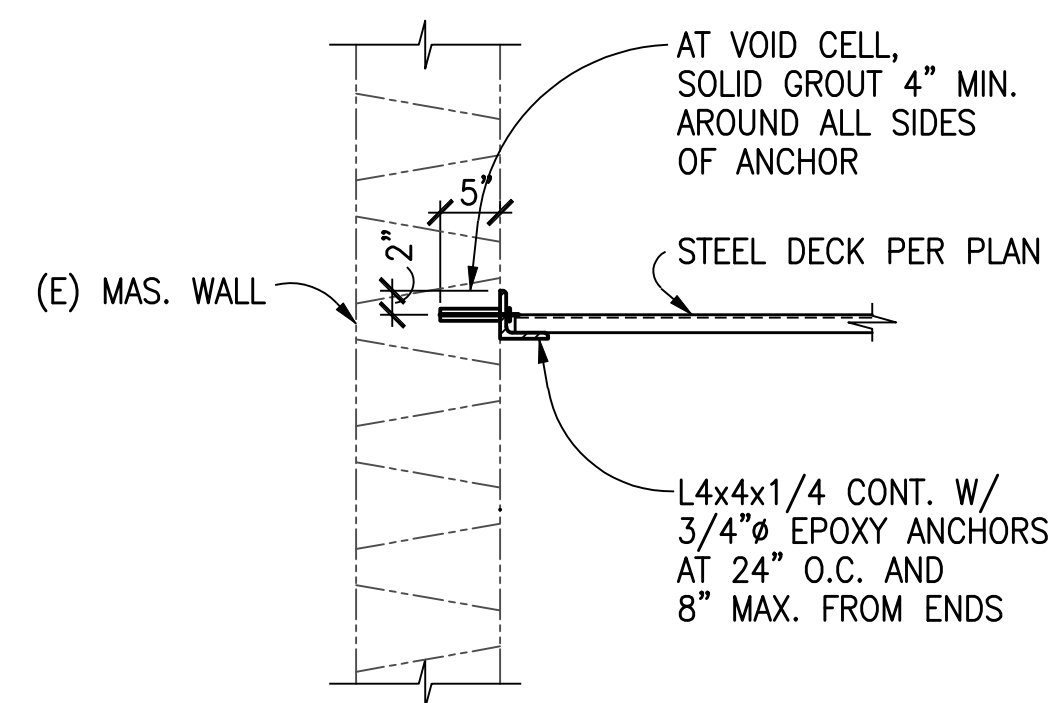
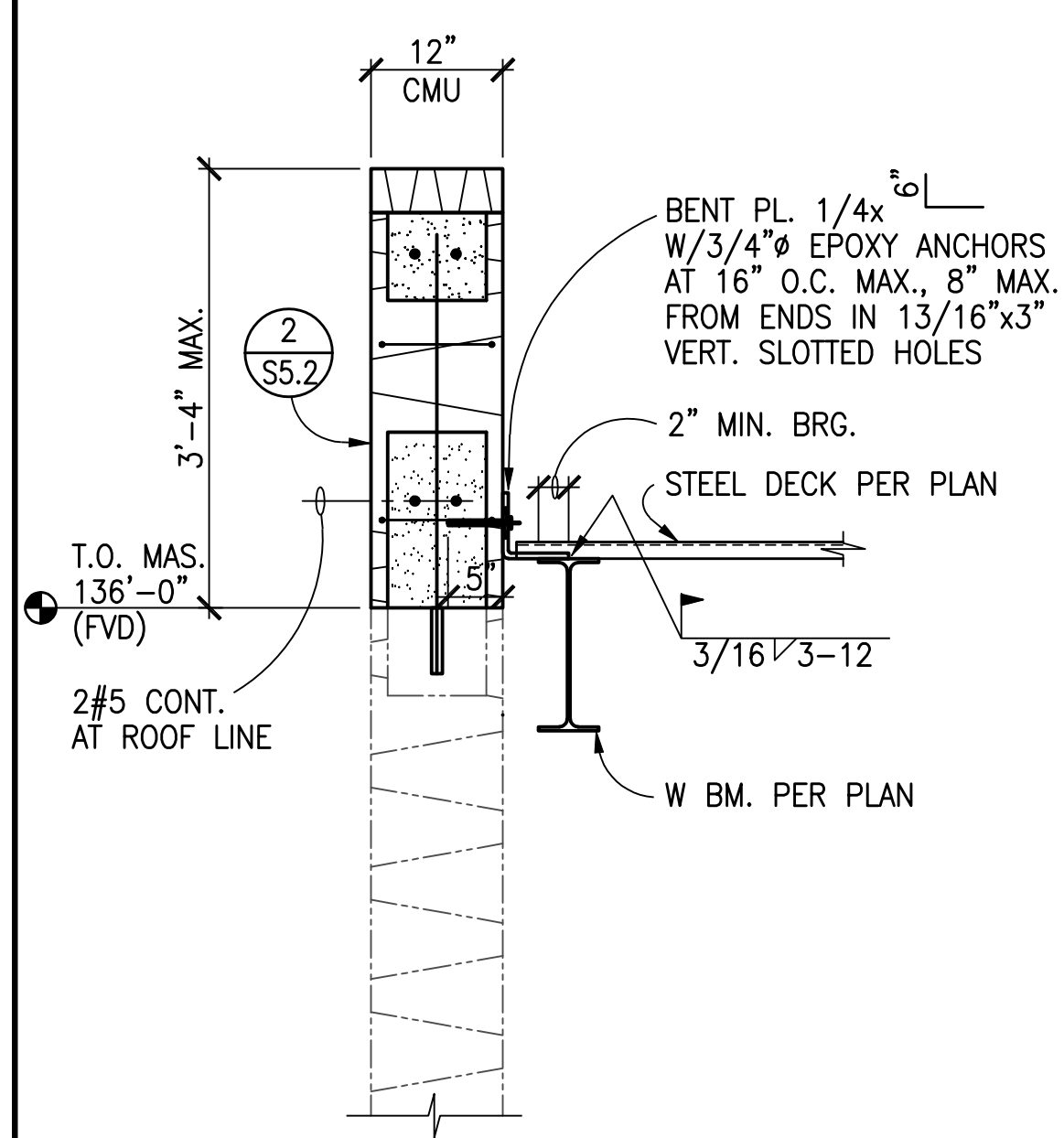
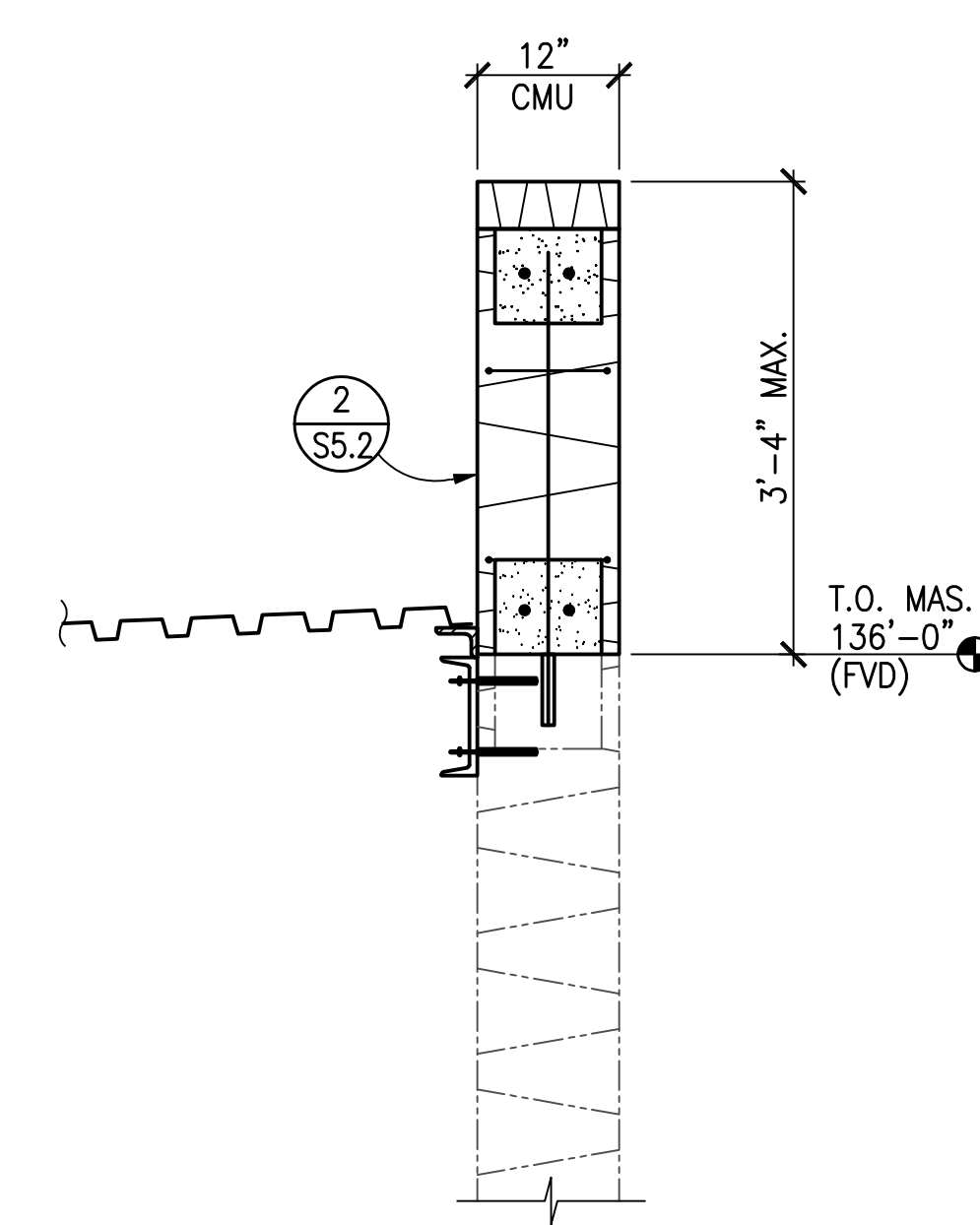
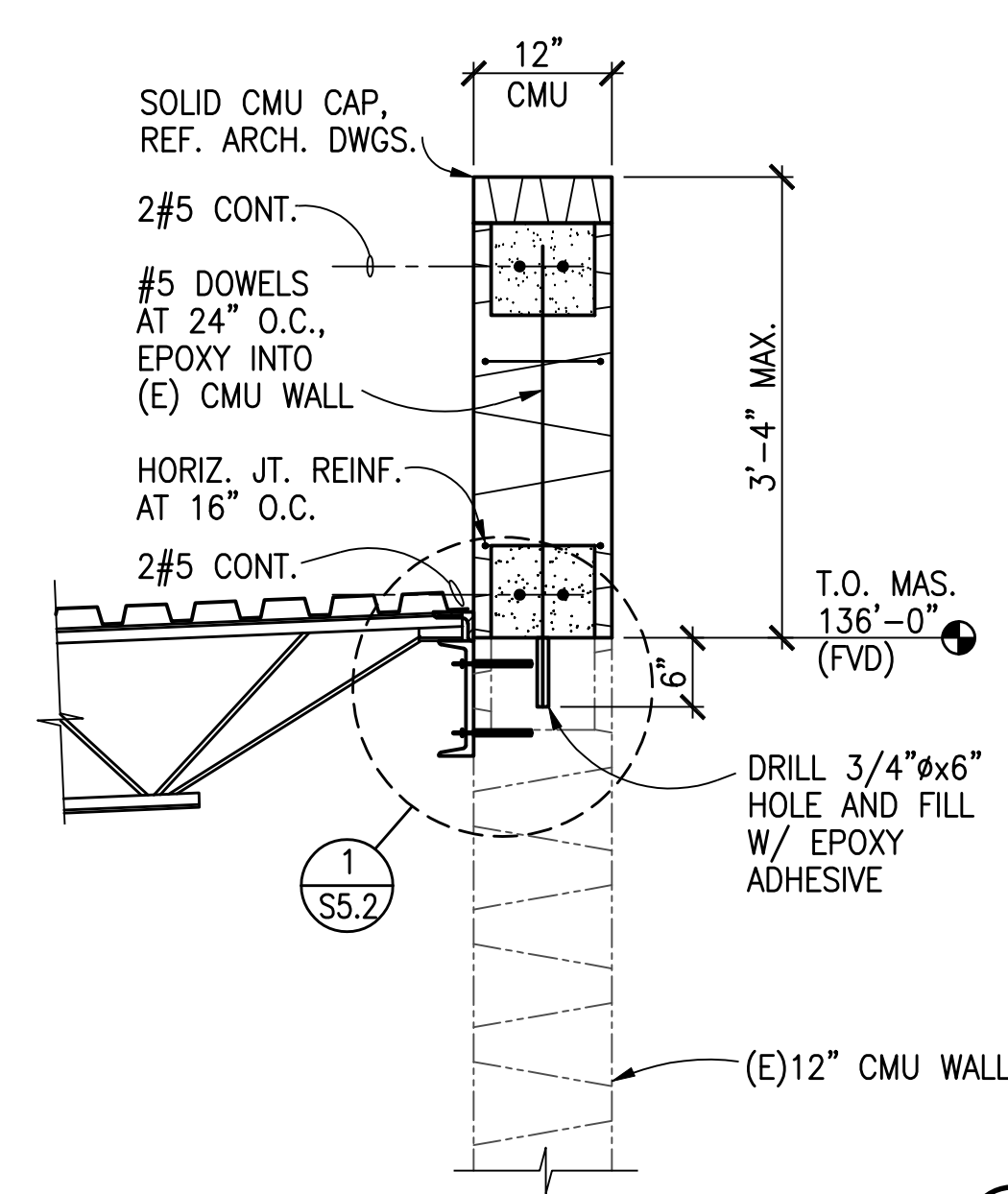
TYP. MIN. JOIST BRIDGING AT W. BM.



TYP. STL. BM. TO COL. CONN.



TYP. JOIST BRG. AT (E) WALL



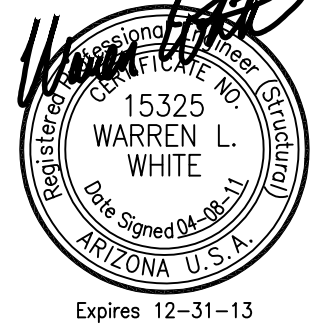
\\HAW\SIS\Drawings\CHS KITCHEN REMODEL\1048 S52.dwg 04/07/11 2:44:35pm 1 Randy

MARTIN & WHITE
HOLBEN, MARTIN & WHITE

CONSULTING STRUCTURAL ENGINEERS, INC.
2950 North Country Club
TUCSON, ARIZONA 85716
(520) 327-9491

HMW# 10048 / 10049

SEAL AGENCY REVIEW



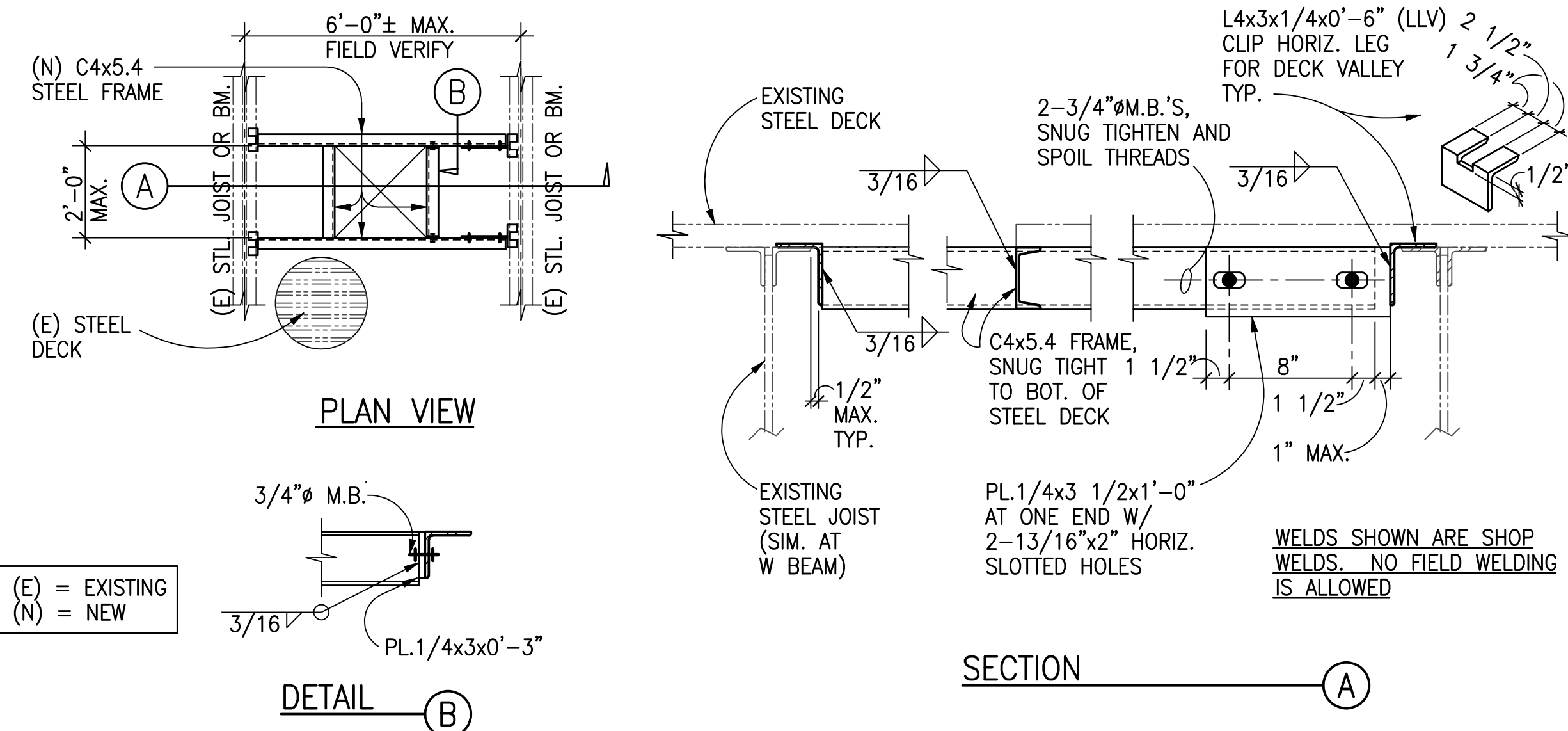
PROJECT: CFSD HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION

DRAWING TITLE

STRUCTURAL DETAILS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1			ERW	2010-0138-00 / 2010-0323-00
2			WLV	4-8-2011
3				
4				
5				

S5.2



TYP. FRAMING AT NEW MECH. UNITS AND OPENINGS IN EXISTING ROOF

1 TYP. MECH. DUCT OPNG. LINTEL FOR (N) OPNG IN (E) MAS

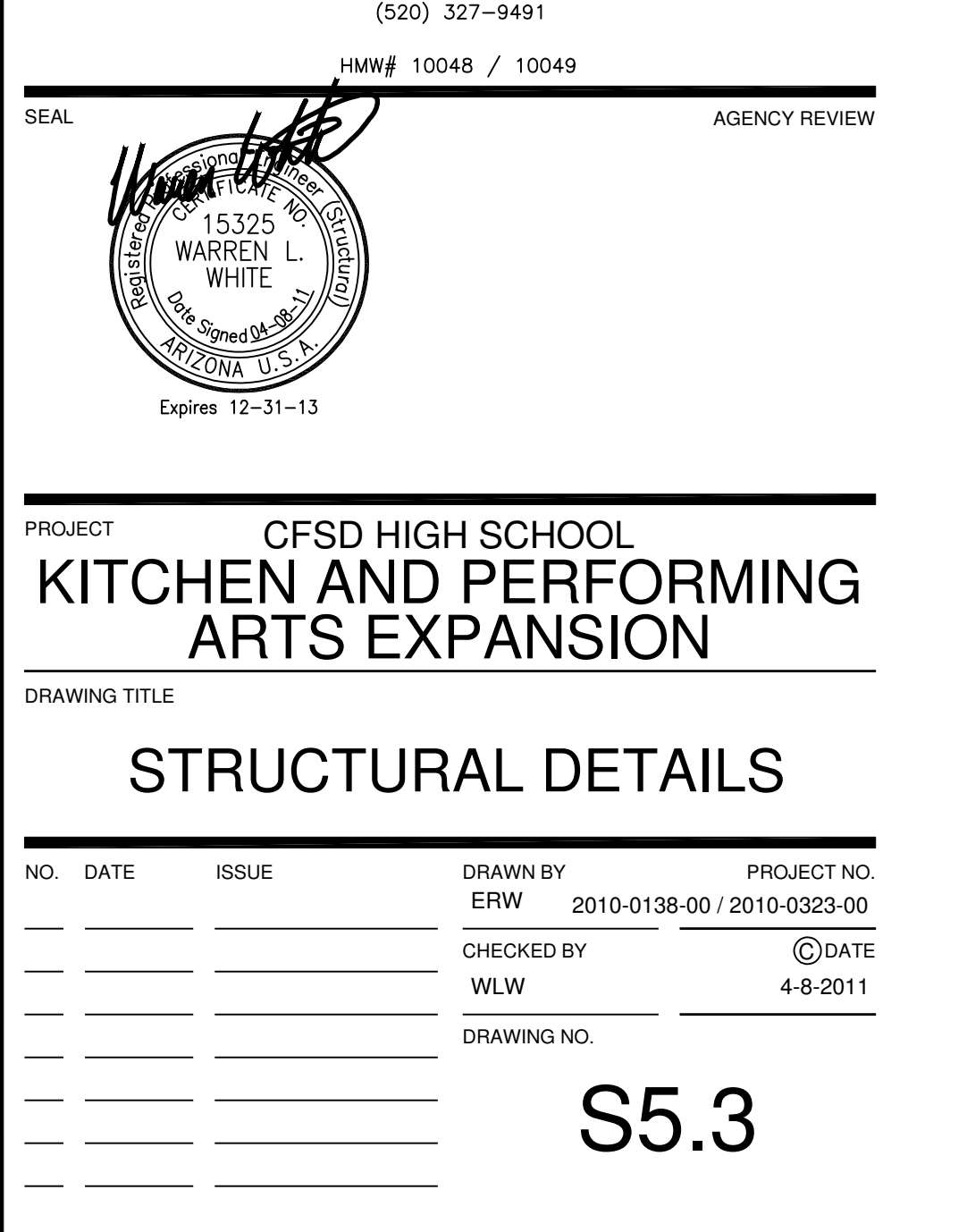
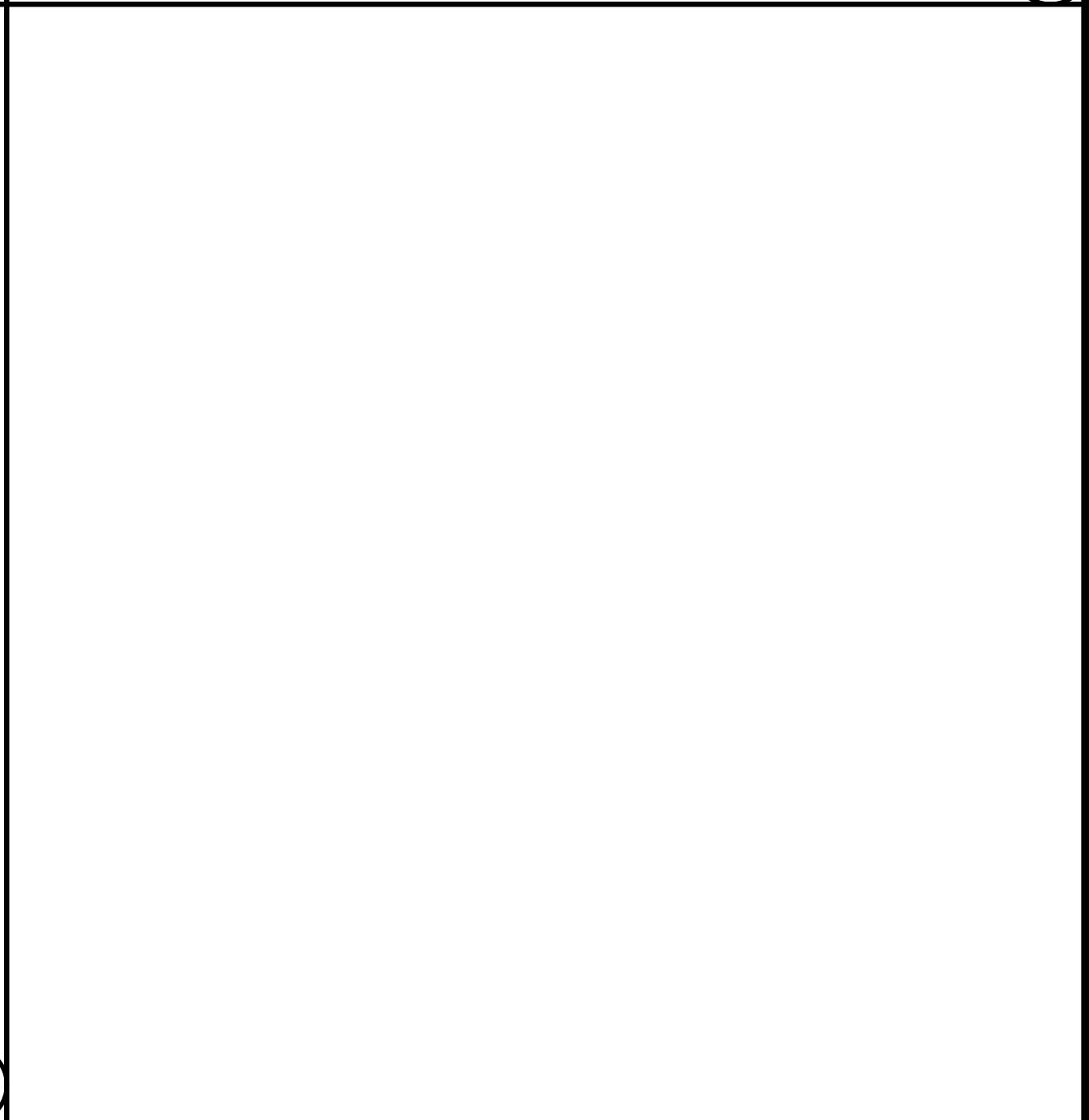
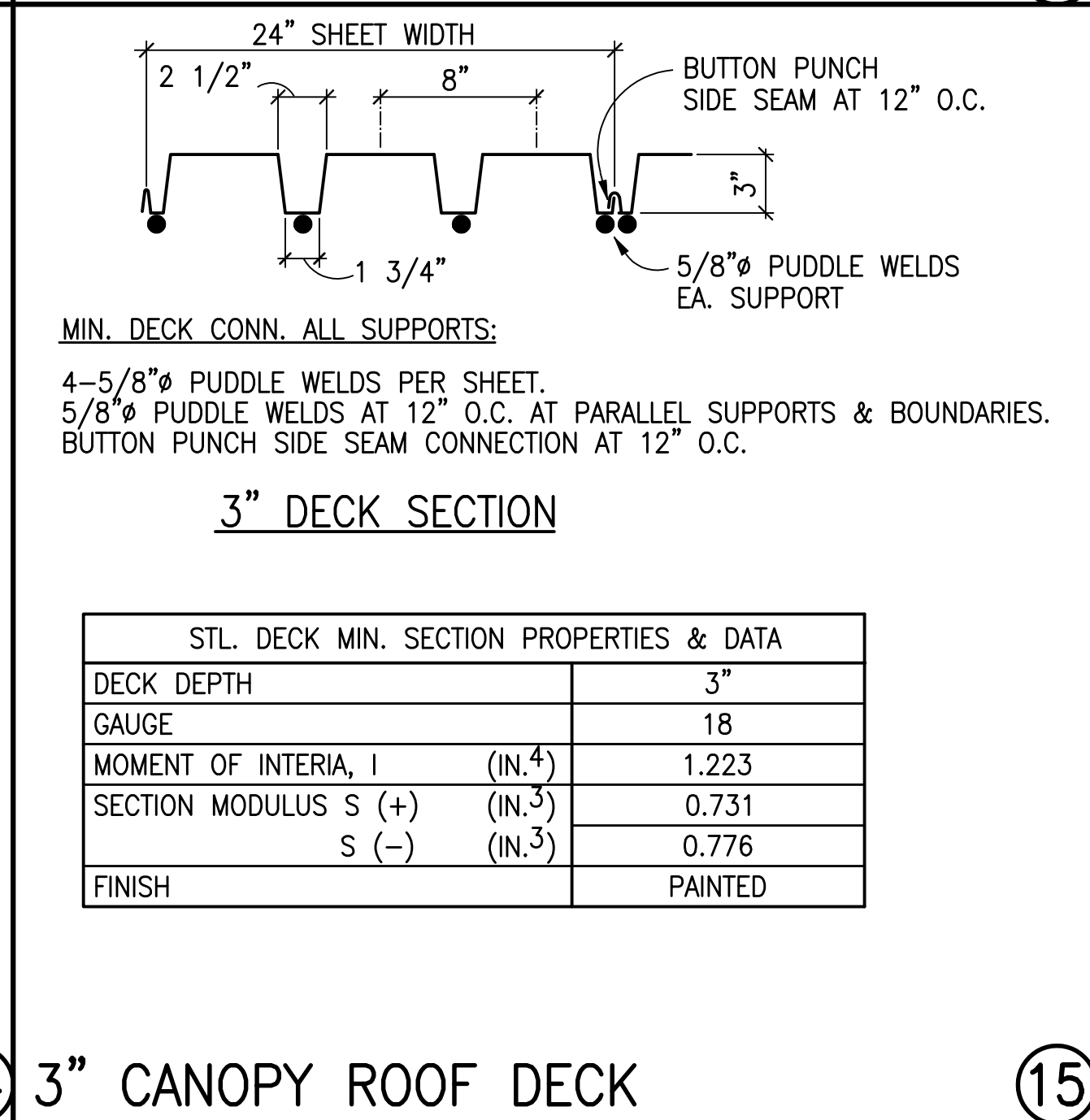
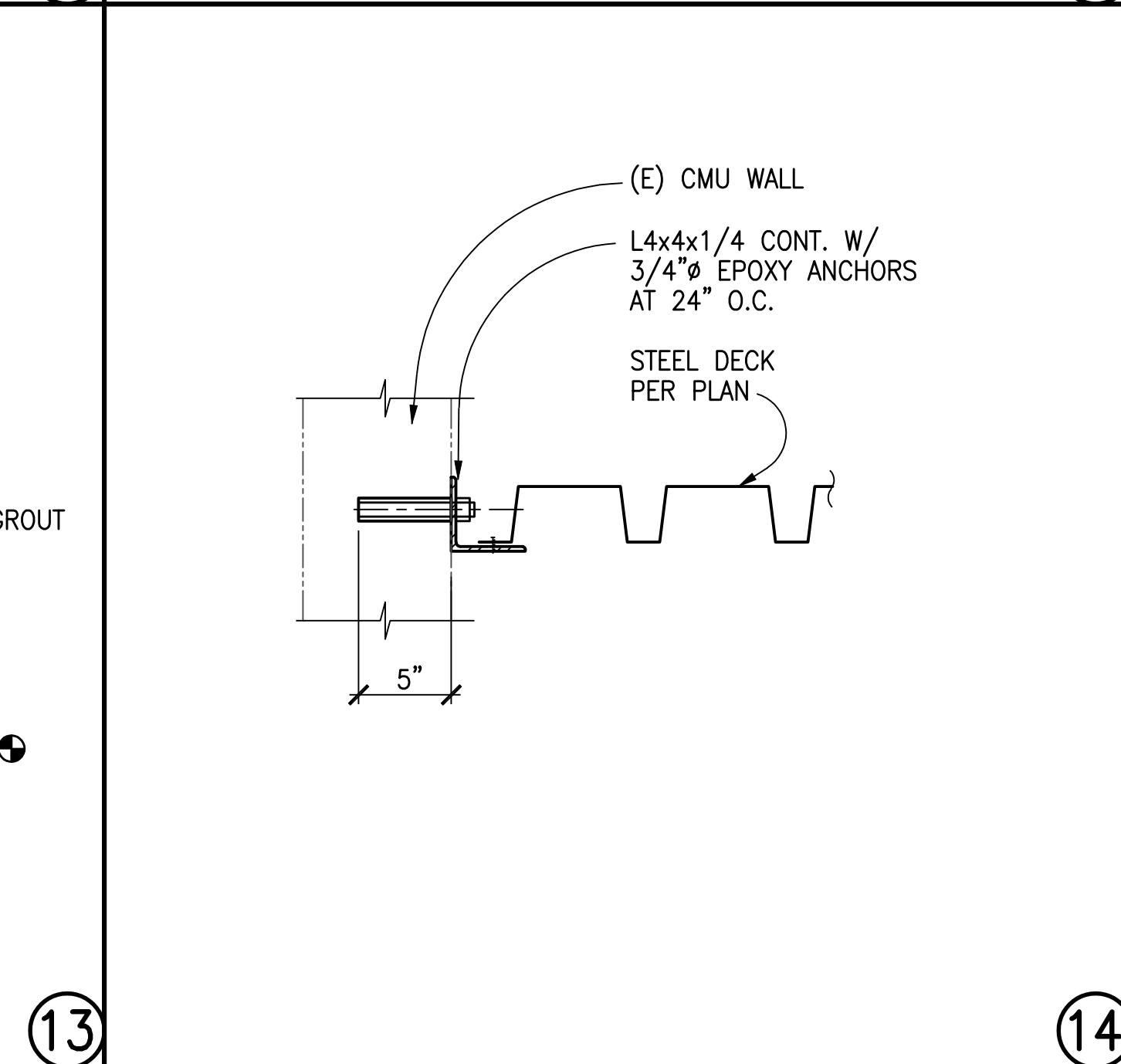
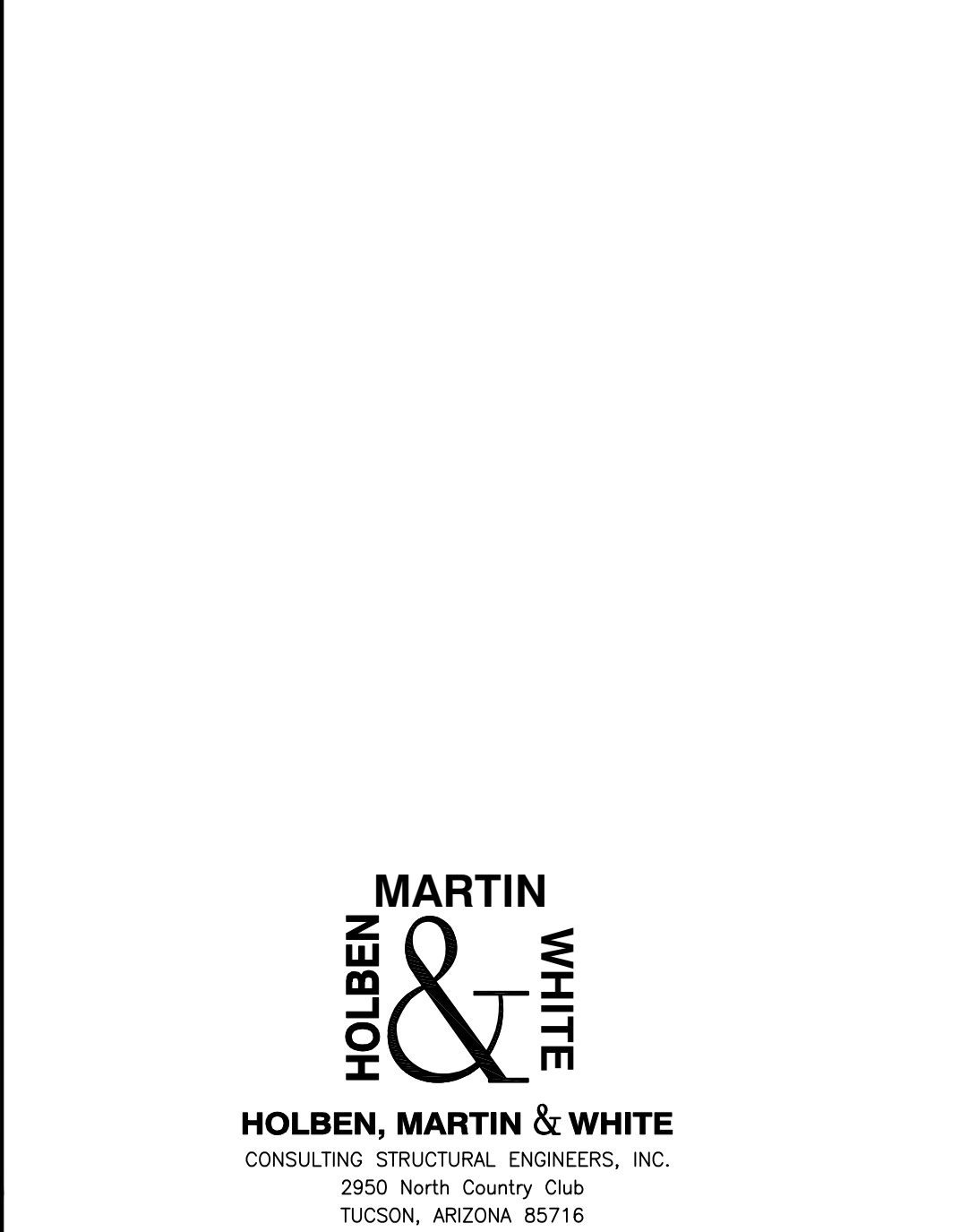
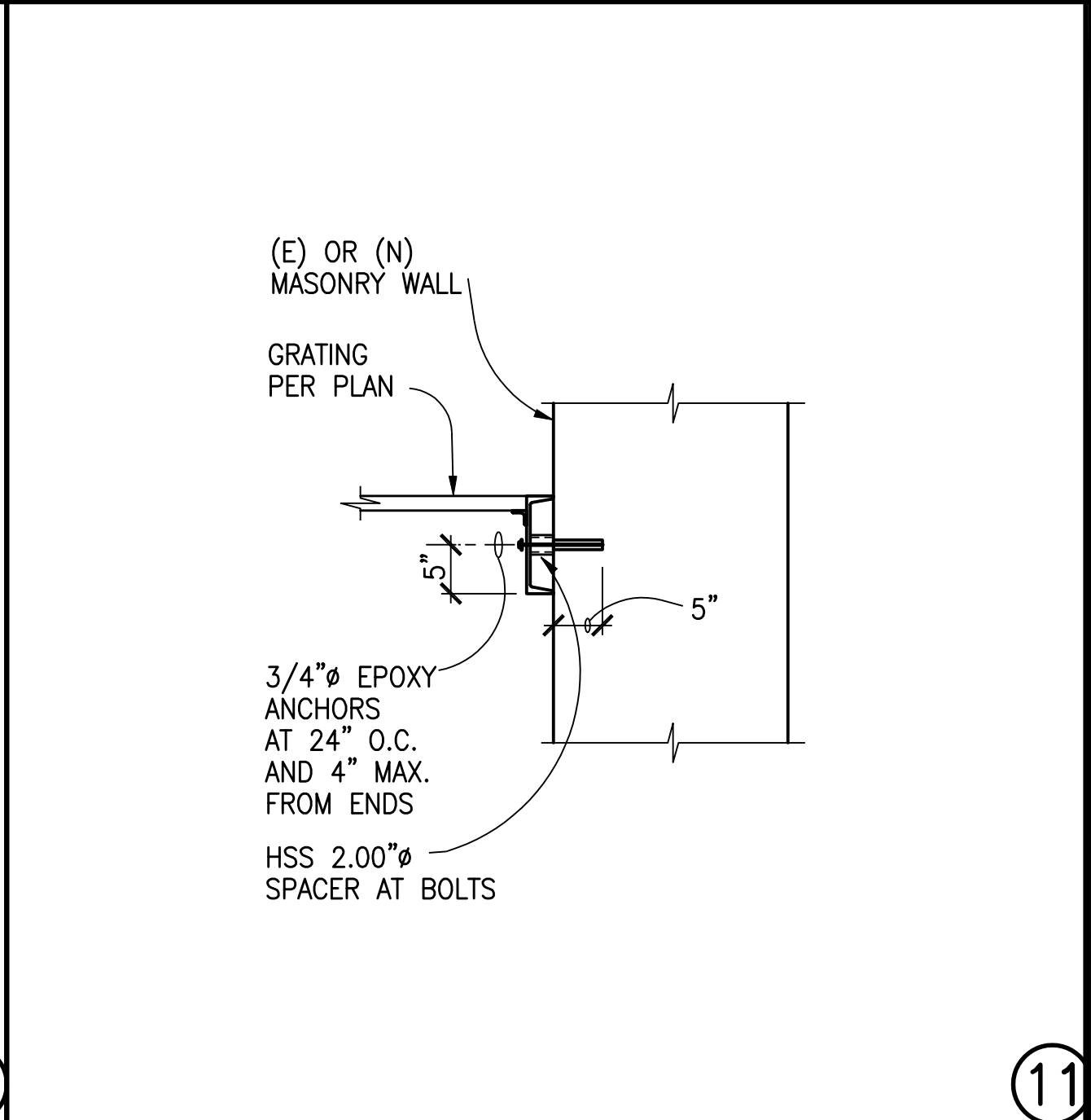
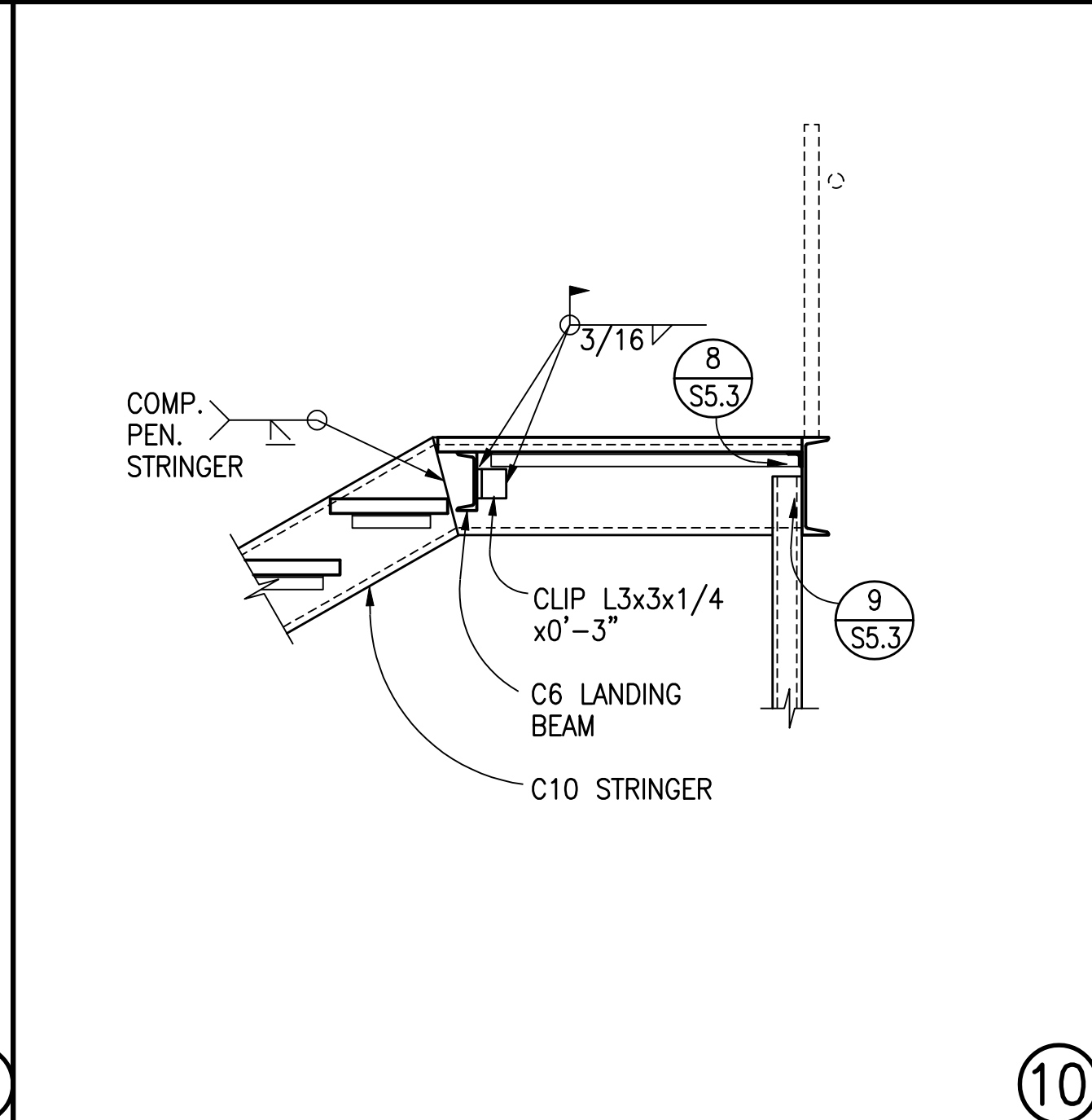
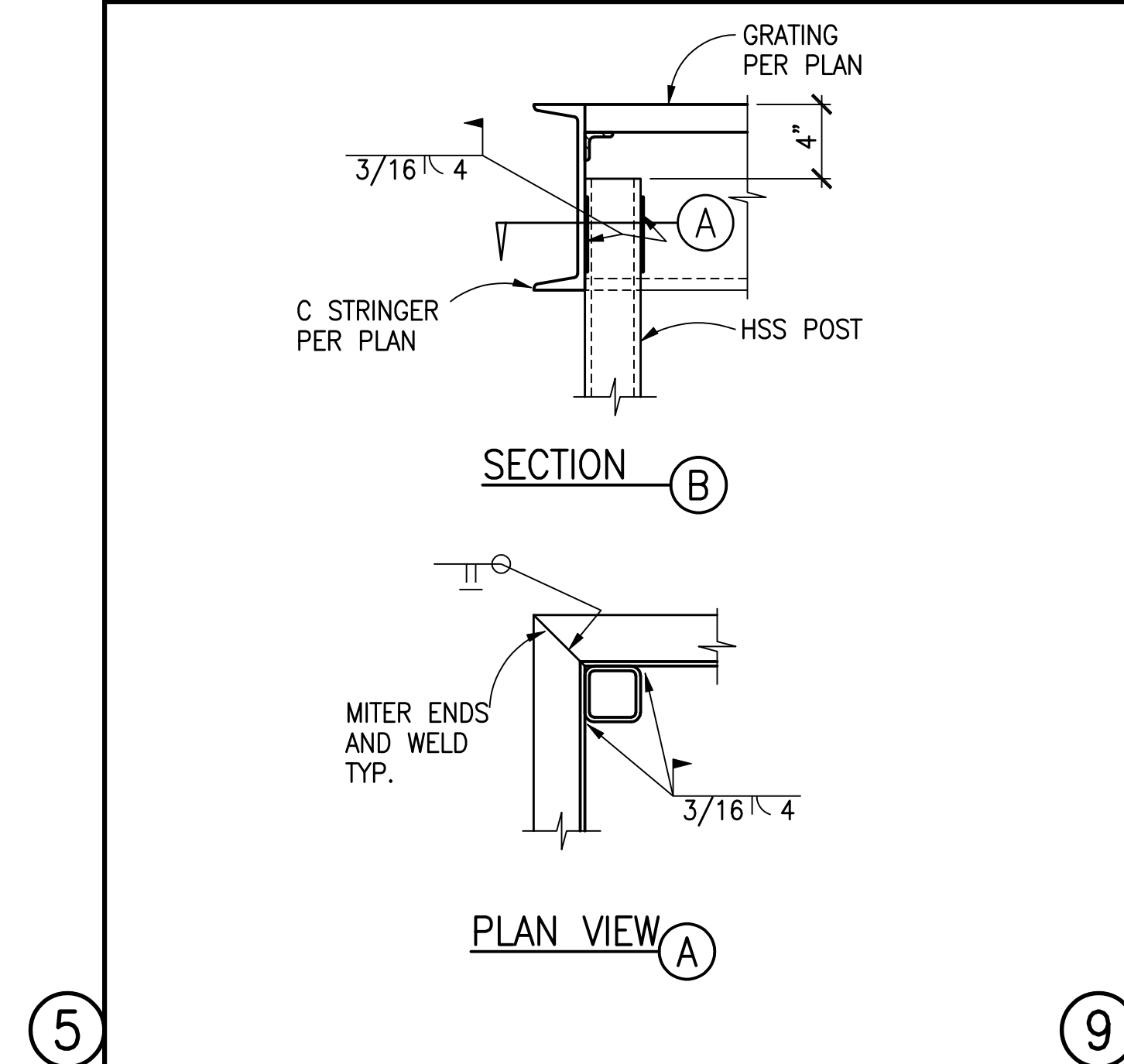
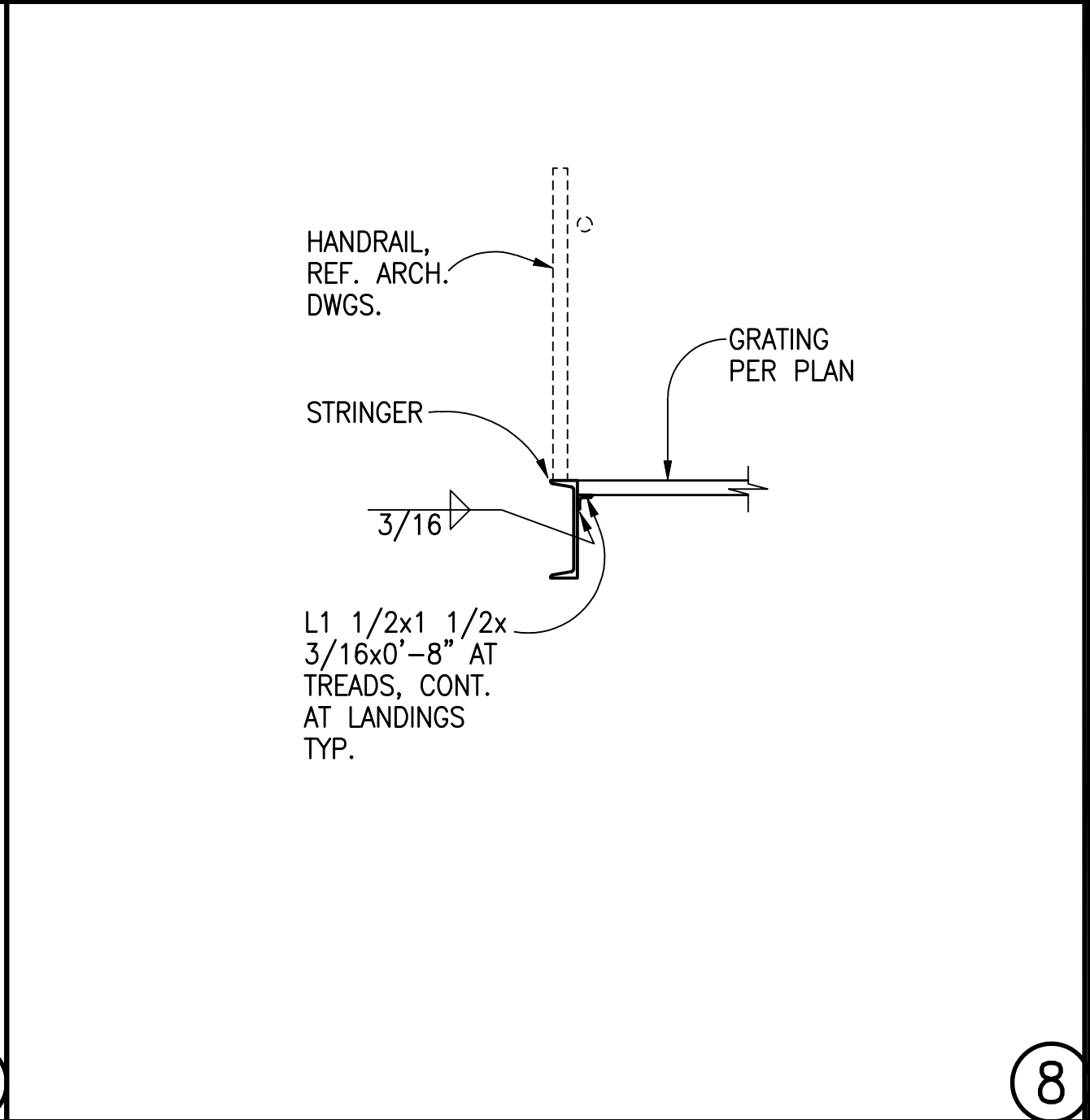
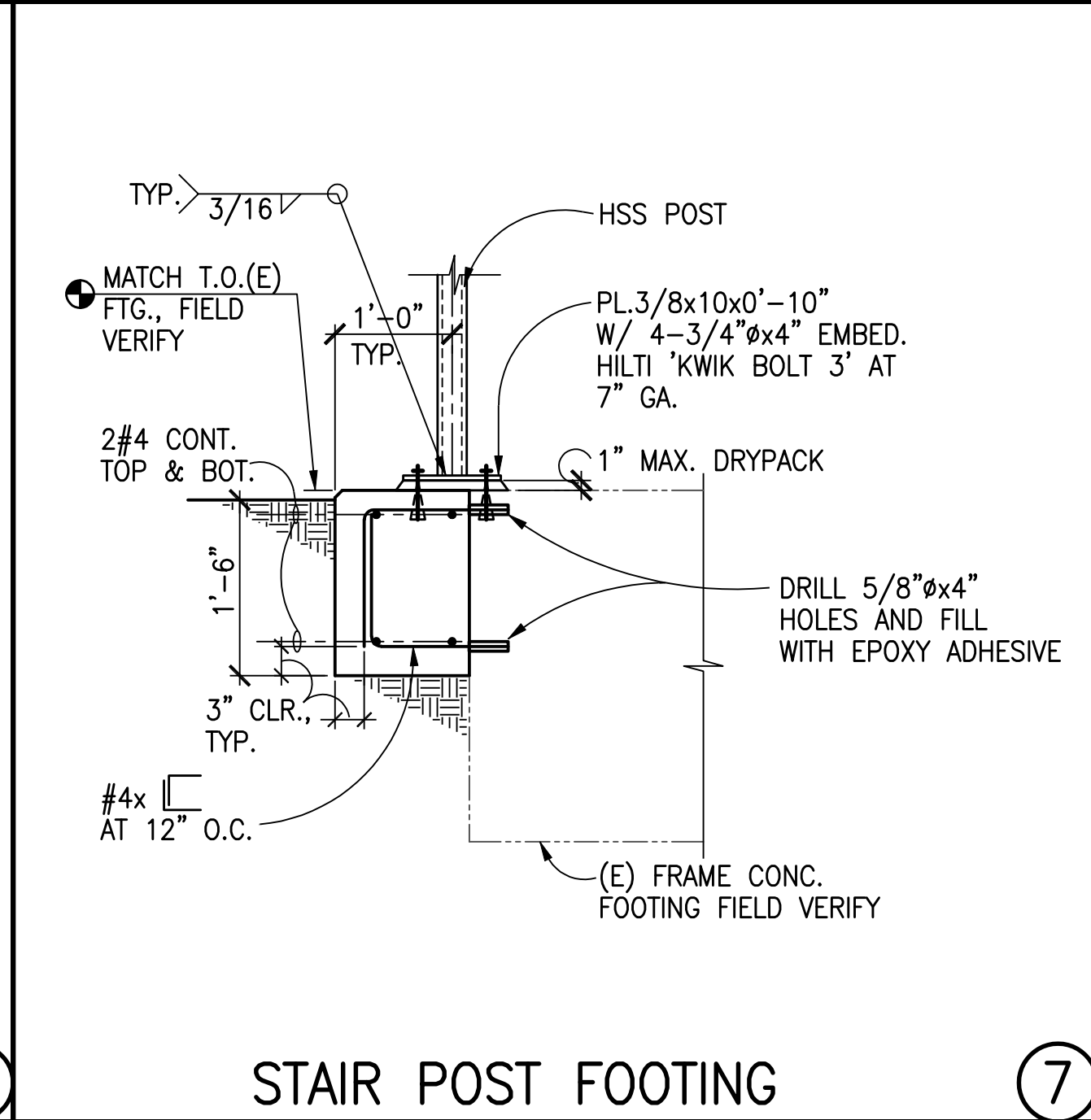
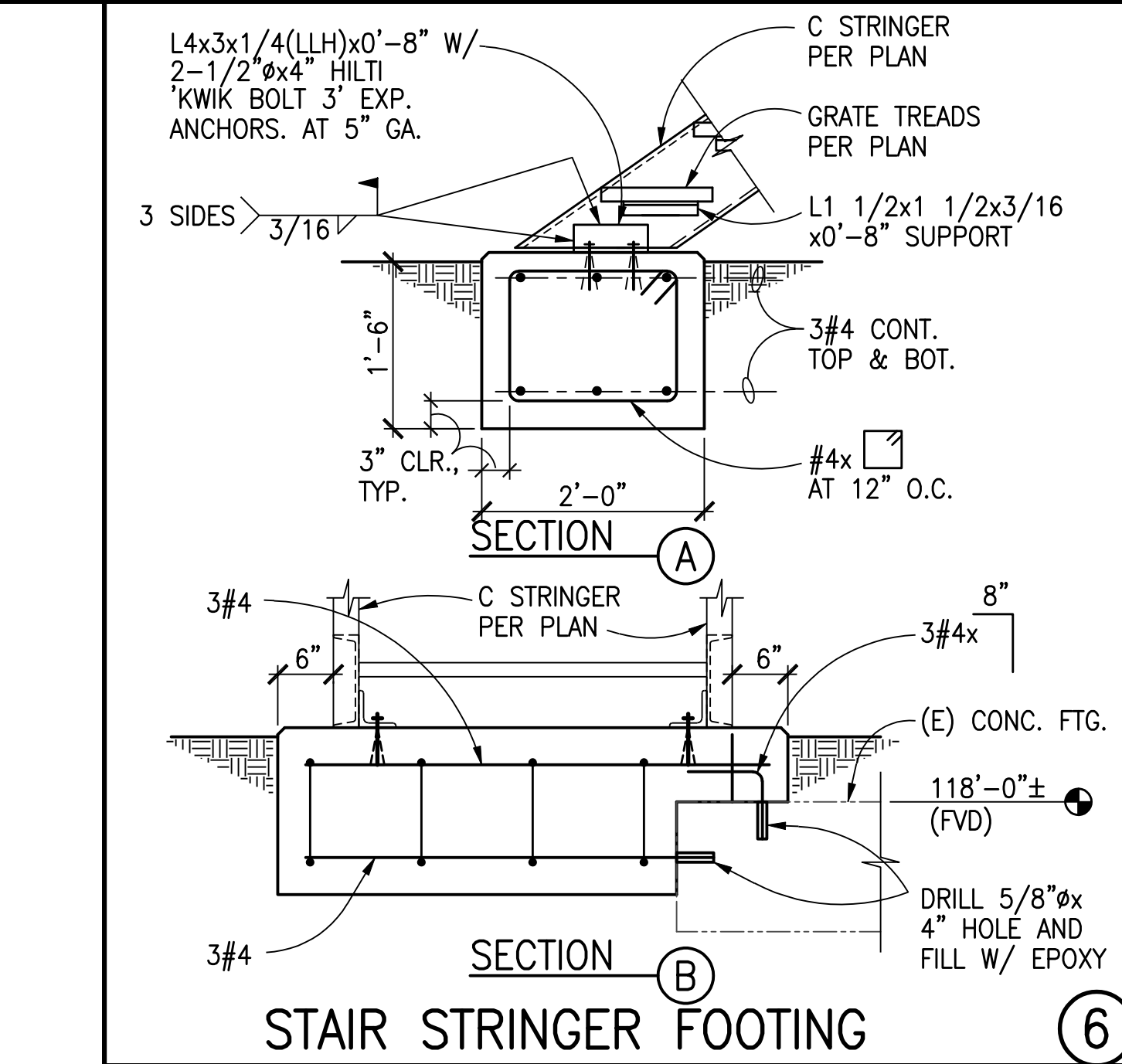
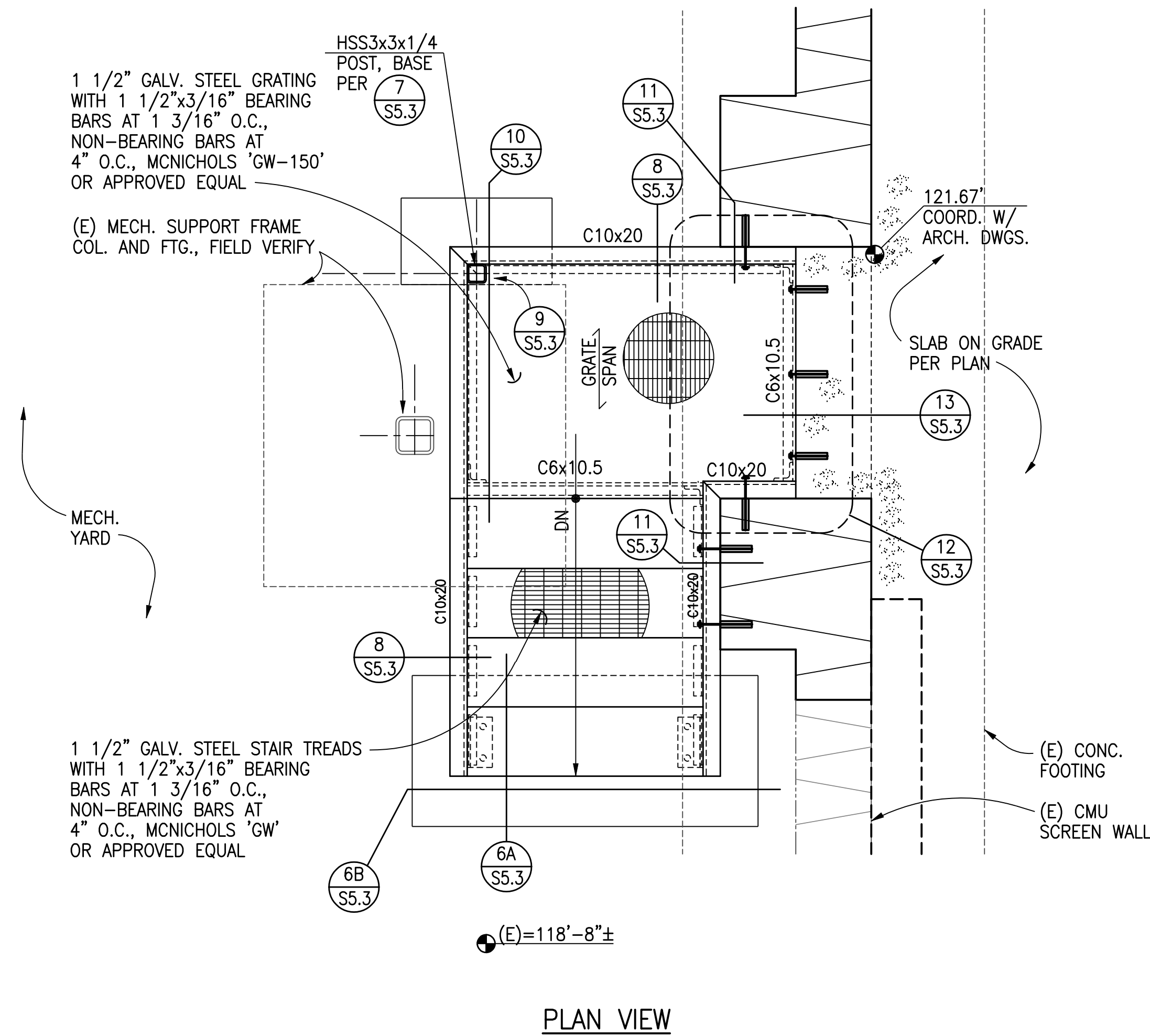
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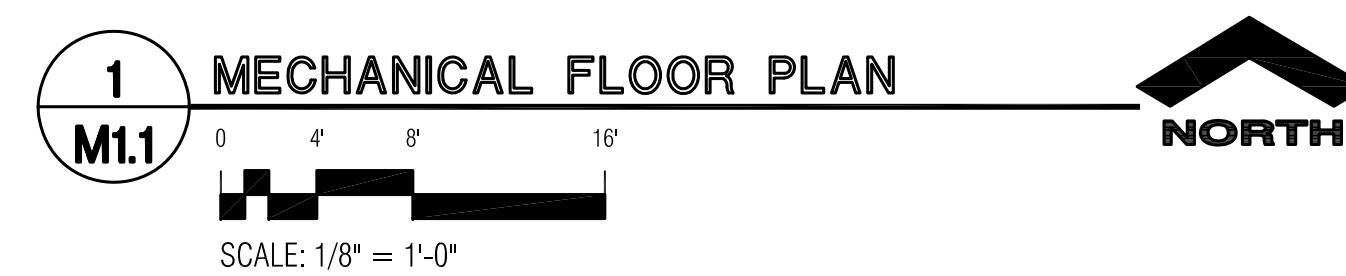
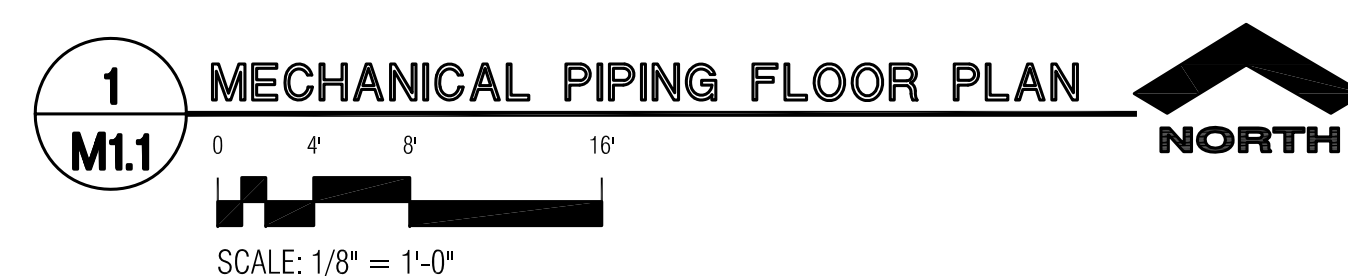
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4

NOTES:

- REFER TO ARCH. DWGS. FOR LAYOUT AND DIMS. OF STAIR.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION OR CONSTRUCTION.



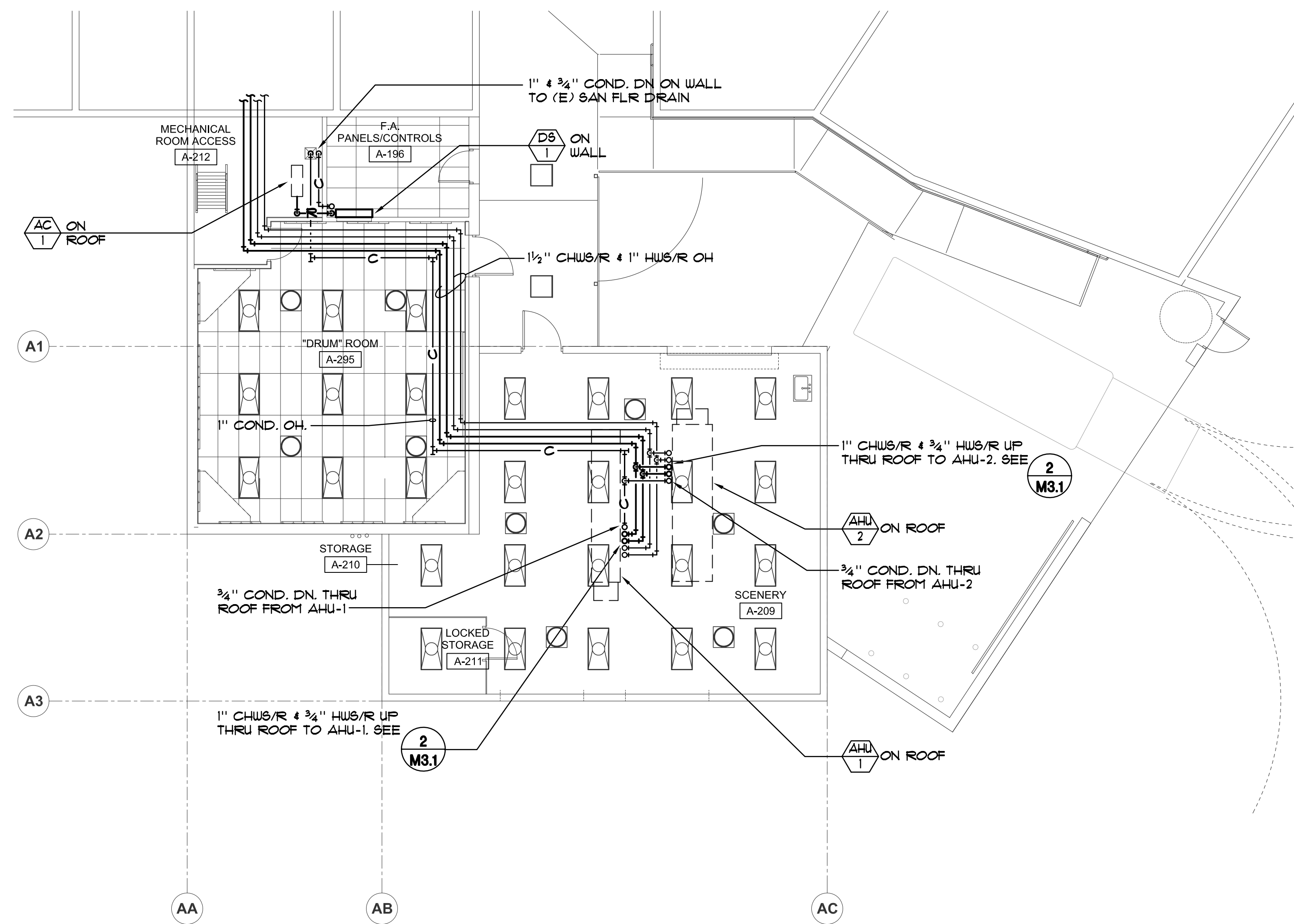


SEAL AGENCY REVIEW

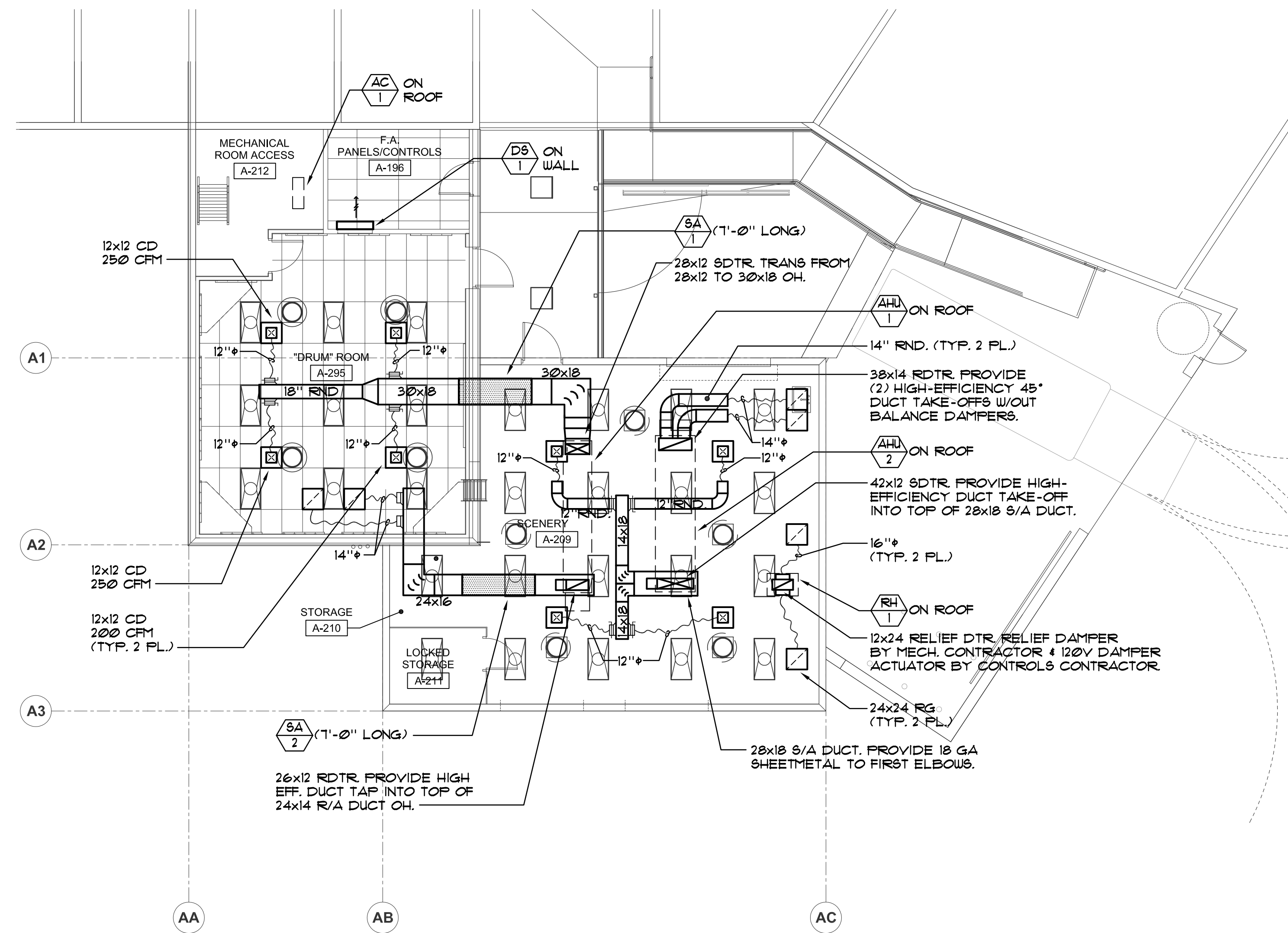


DRAWING TITLE BUILDING ID
MECHANICAL FLOOR
PLANS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
____	____	____	2010-0138-00 / 2010-0323-00	
____	____	____	CHECKED BY	© DATE
____	____	____	CHECKED BY	04/06/11
____	____	____	DRAWING NO.	
____	____	____	M1.1	
____	____	____		



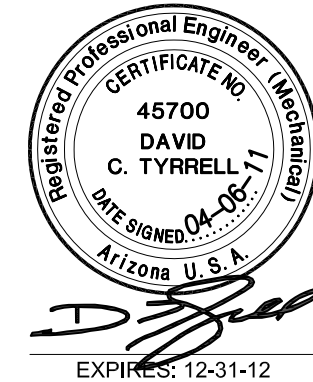
2 MECHANICAL PIPING FLOOR PLAN
M1.2
SCALE: 1/8" = 1'-0"
NORTH



1 MECHANICAL FLOOR PLAN
M1.2
SCALE: 1/8" = 1'-0"
NORTH

ADAMS
DESIGNED BY: D.T.
CHECKED BY: D.T.
DATE: 08/11/06

SEAL AGENCY REVIEW



PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION

DRAWING TITLE BUILDING ID
MECHANICAL FLOOR
PLANS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1				2010-0138-00 / 2010-0323-00
2			CHECKED BY	DATE
3			CHECKED BY	04/06/11
4			DRAWING NO.	

M1.2

T:\DWG\10206 - Catalina Foothills Kitchen & Loading Dock\M2-1.dwg 04/07/11 7:44:28am 1 dave

AIR HANDLING UNIT SCHEDULE																							
MARK NO.	MFR	MODEL	UNIT SIZE	FAN DATA				COOLING COIL DATA							HEATING COIL DATA					ELECTRICAL VOLTAGE	OPERATING WEIGHT (LBS)	REMARKS	
				CFM @ 2.400 ft.	OSA CFM	ESP (IN)	HP	MAX PD (IN)	EDB (F)	EWB (F)	LDB (F)	EWT (F)	GPM	MAX PD (FT)	MAX PD (IN)	EAT (F)	LAT (F)	EWT (F)	GPM				MAX PD (FT)
AHU 1	CARRIER	AERO OUTDOOR SERIES 38MU	03	900	375	1.0	1.0	0.75	91	68	54	45	8	5	0.25	53	85	160	3	5	480/3/60	2300	
AHU 2			06	2,000	575	0.5	1.5		86	66			14			59	83		6			2,850	

NOTES: UNIT COMPLETE WITH FACTORY ROOF CURB.

VRV FAN COIL UNIT SCHEDULE															
UNIT MARK	MANUFACTURER	MODEL	SUPPLY AIR CFM	OUTSIDE AIR CFM	TMF C	TC	SC	TMF H	HC	ELECTRIC			UNIT WEIGHT	SMOKE DETECT	REMARKS
					F*	BTU/h	BTU/h	F*	BTU/h	VOLTAGE	MCA (A)	MOCP			
FC 1	DAIKIN	FXZQ01MTVJU	250	25	80.0 / 61.0 / 95.0	7,500	5,300	70.0 / 47.0	8,700	208/1/60	0.8	15	50 LBS.	NO	AREA SERVED: STORAGE B-200
FC 2		FXZQ01MTVJU	250	25		7,500	5,300		8,700		0.8		50 LBS.		AREA SERVED: STORAGE B-201
FC 3		FXZQ03MTVJU	325	25		9,500	6,700		11,100		0.8		50 LBS.		AREA SERVED: STORAGE B-202
FC 4		FXZQ03MTVJU													AREA SERVED: OFFICE B-204
FC 5		FXZQ03MTVJU													AREA SERVED: OFFICE B-205
FC 6		FXZQ12MTVJU	500	25		12,000	8,000		14,000		0.8		75 LBS.		AREA SERVED: OFFICE B-206
FC 7		FXM12PVJU	675	75		24,000	18,766		27,000		1.8		80 LBS.		AREA SERVED: CORRIDOR B-203 / VENTILATION

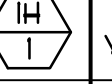
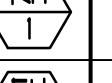
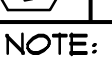
NOTES: CASSETTE STYLE UNITS COMPLETE WITH CONDENSATE DRAIN PUMP.
UNIT EQUIVALENT: MITSUBISHI

VRV OUTDOOR UNIT SCHEDULE														
UNIT MARK	MANUFACTURER	MODEL	COMB.	TMF C	CC	TMF H	HC	ELECTRIC					UNIT WEIGHT	REMARKS
			%	F*	BTU/h	F*	BTU/h	VOLTAGE	MCA	RLA	MSC	MOP		
	DAIKIN	RXYQ12PAYD	110	102.5	62,400	32.0	72,000	460/3/60	20.2	7.1	65	25	513 LBS.	

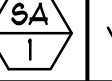
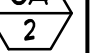
NOTES: UNIT EQUIVALENT: MITSUBISHI

DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE															
OUTDOOR UNIT MARK	INDOOR UNIT MARK	OUTDOOR UNIT MANUFACTURER	INDOOR UNIT MANUFACTURER	SYSTEM TYPE	OUTDOOR UNIT MODEL	INDOOR UNIT MODEL	CFM HIGH/MED/LOW	• COOLING @ ARI (95/80/67) TOTAL	MIN. SEER	ELECTRIC	COMPRESSOR RLA	FUSE SIZE	OUTDOOR UNIT WEIGHT	INDOOR UNIT WEIGHT	REMARKS
AC A	DS A	SANYO	SANYO	HI WALL	CL 24 T2	KS 24 T2	600 / 550 / 475	24,000	16.0	208/1/60	12.1	20	150 LBS.	50 LBS.	

NOTE: UNIT COMPLETE WITH LOW AMBIENT CONTROL, MICROPROCESSOR CONTROLLER, WIRED REMOTE CONTROLLER, AND LOCKING BRACKET FOR REMOTE CONTROLLER.
UNIT EQUIVALENT: MITSUBISHI, CARRIER

HOOD SCHEDULE								
MARK	MFR	SERVICE	MIN. THROAT SIZE	CFM	THROAT VEL (FFM)	P.D.	OPER. WEIGHT	REMARKS
	WESTERN VENT & CURB	FC INTAKE	10" RND	150	275	0.1"	30 lbs.	UNIT COMPLETE WITH FACTORY ROOF CURB, BIRDSCREEN AND ALUMINUM CONSTRUCTION.
		AHU-2 RELIEF	12" x 24"	2,000	400	0.02"	125 lbs.	
		(E) EF-B4 EXH	12" x 12"	900	300	0.01"	100 lbs.	
		(E) EF-B5 EXH	18" x 42"	4,000	600	0.05"	175 lbs.	

NOTE: RELIEF AIR DAMPER BY MECH. CONTRACTOR. 120 V DAMPER ACTUATOR BY CONTROL CONTRACTOR.

SOUND ATTENUATOR SCHEDULE																
MARK	MFR	MODEL	OCTAVE BAND NUMBER									SOUND TRAP SIZE W X H X L	MAX AIR ΔP	FACE VELOCITY FPM	CFM	REMARKS
			1	2	3	4	5	6	7	8						
			OCTAVE BAND MID-FREQUENCY (HZ)													
			63	125	250	500	1000	2000	4000	8000						
	VIBRO ACOUSTICS	RD-ULV-F6	13	22	34	46	55	52	34	21	30" x 18" x 84"	0.2"	- 500	900		
	↓	↓	11	20	32	45	55	55	39	26	24" x 16" x 84"	↓	+ 500	525		



2940 North Swan Road, Suite 214
Tucson, Arizona 85712
520/784.0975
www.ntd.com
San Diego • Los Angeles • Auburn • Visalia • Salinas • Phoenix • Tucson
KEYNOTES

SEAL

AGENCY REVIEW

PROJECT

CFSH HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION

DRAWING TITLE

BUILDING ID
MECHANICAL
SCHEDULES

NO. DATE ISSUE

DRAWN BY

CHECKED BY

CHECKED BY

DRAWING NO.

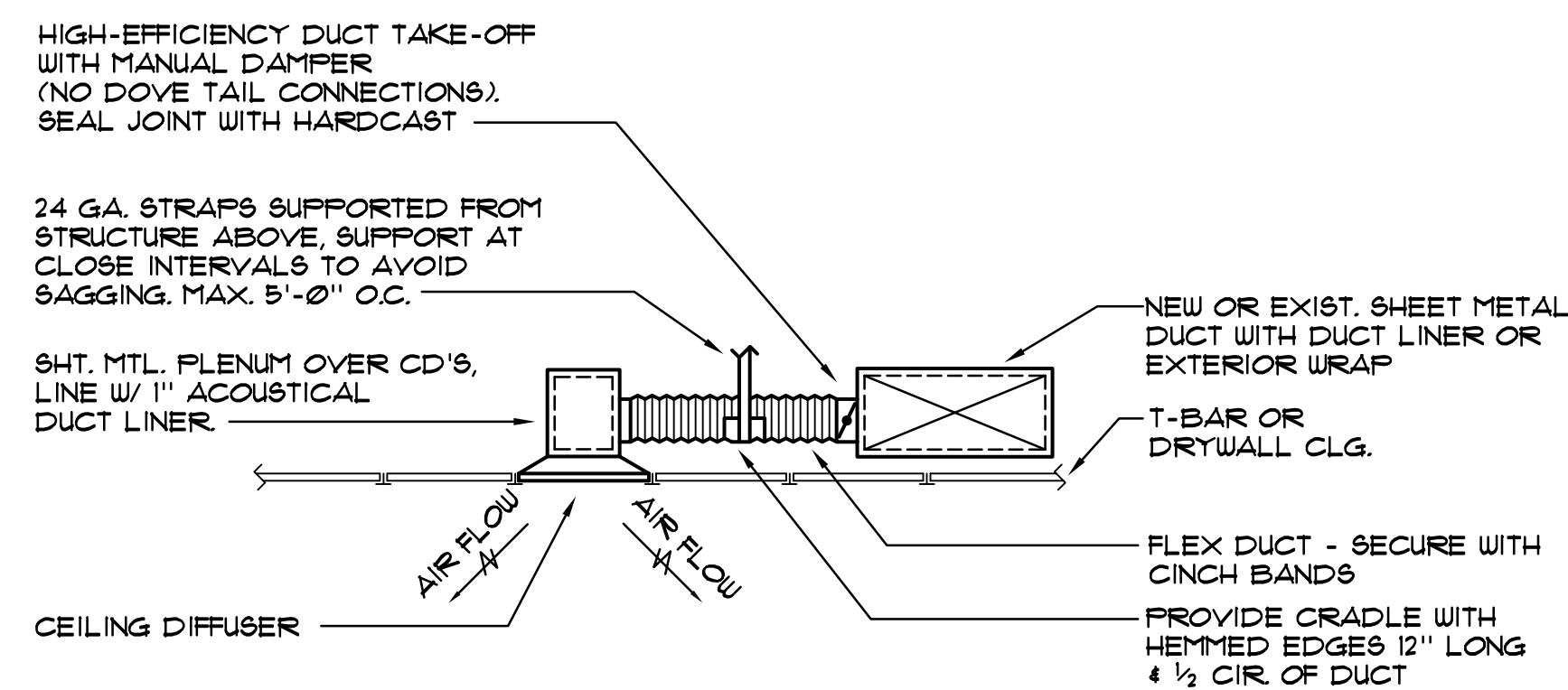
PROJECT NO.

2010-0138-00 / 2010-0323-00

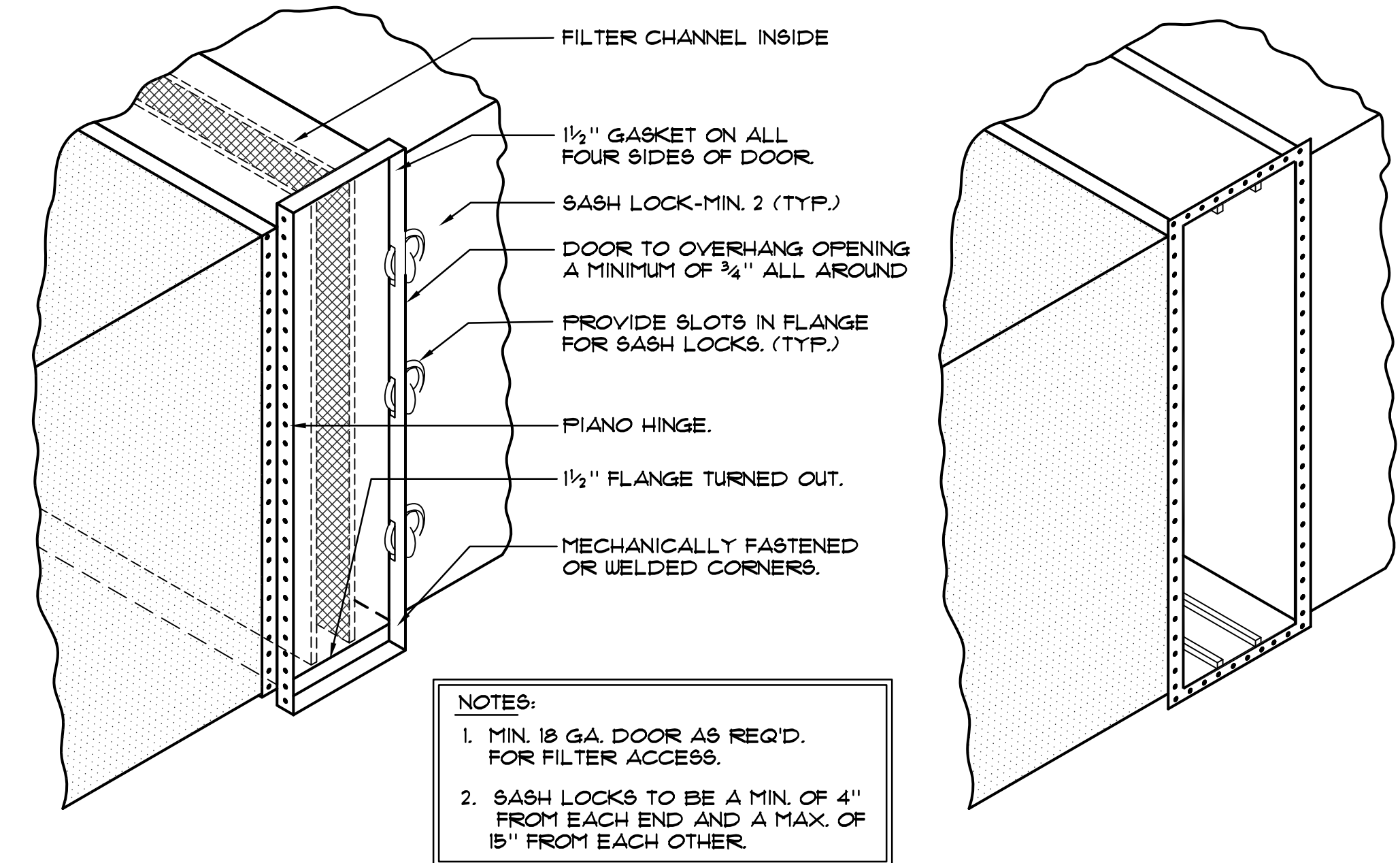
DATE

04/06/11

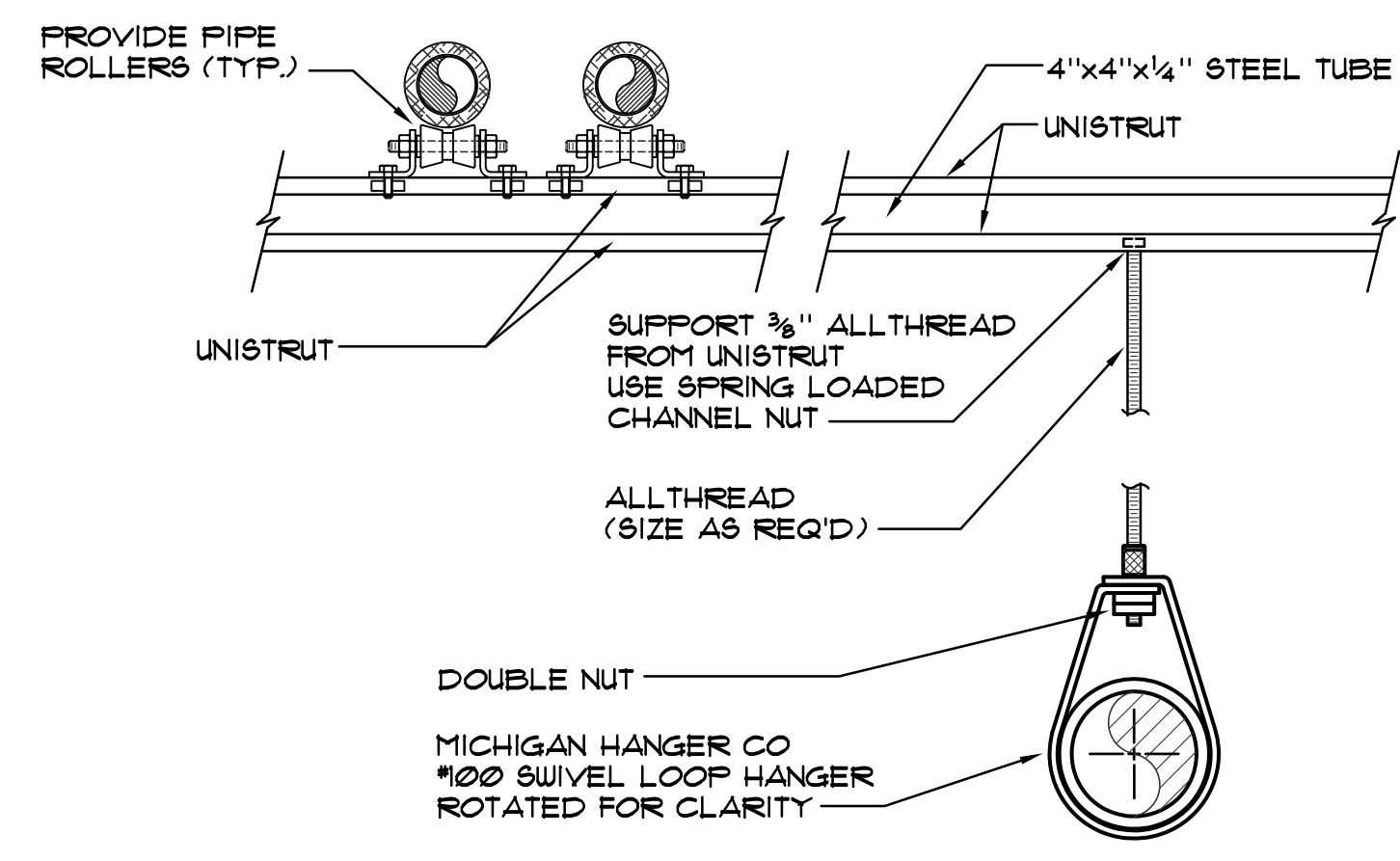
M2.1



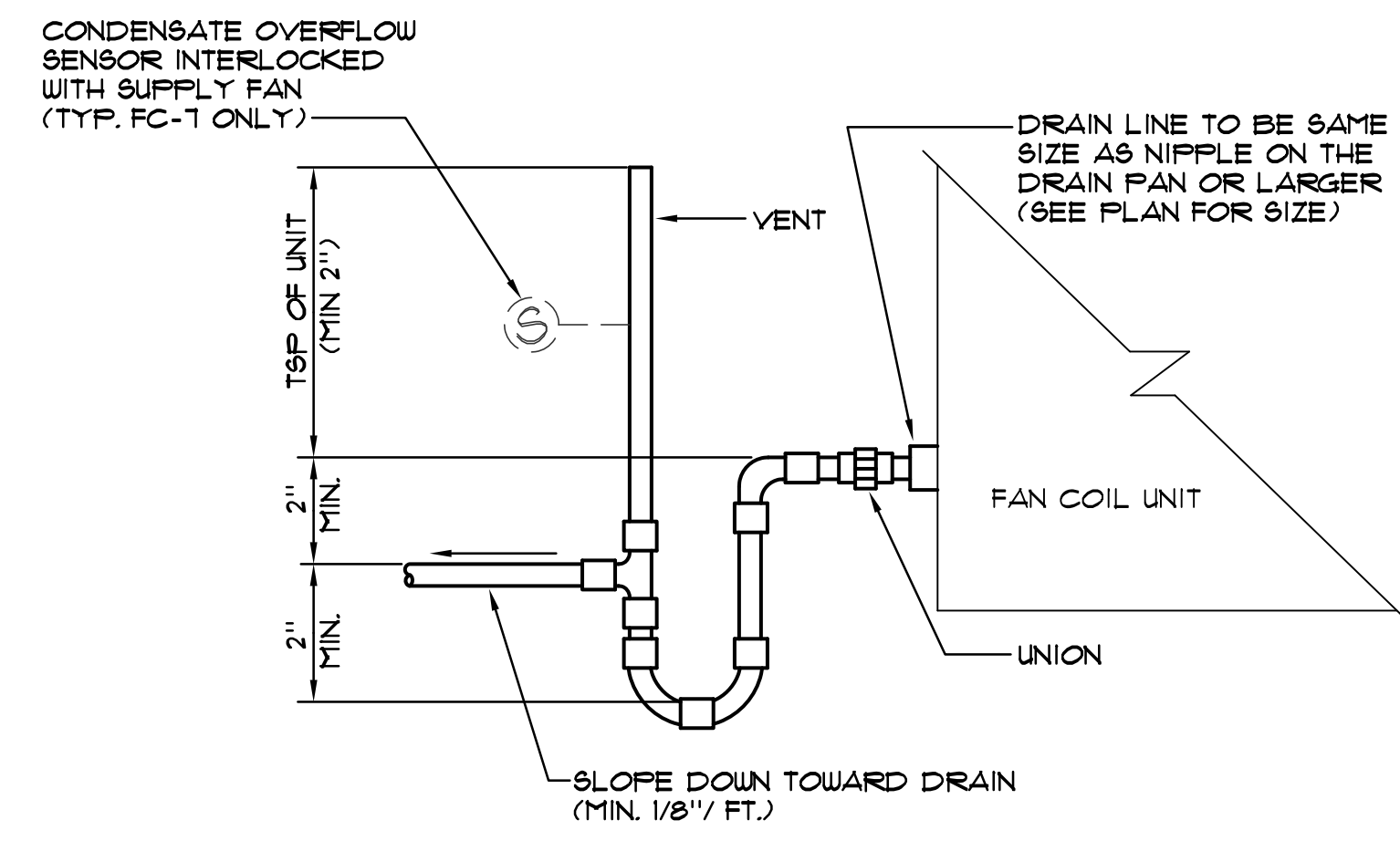
9 CEILING DIFFUSER WITH FLEX DUCT DETAIL
M3.1 SCALE: NTS.



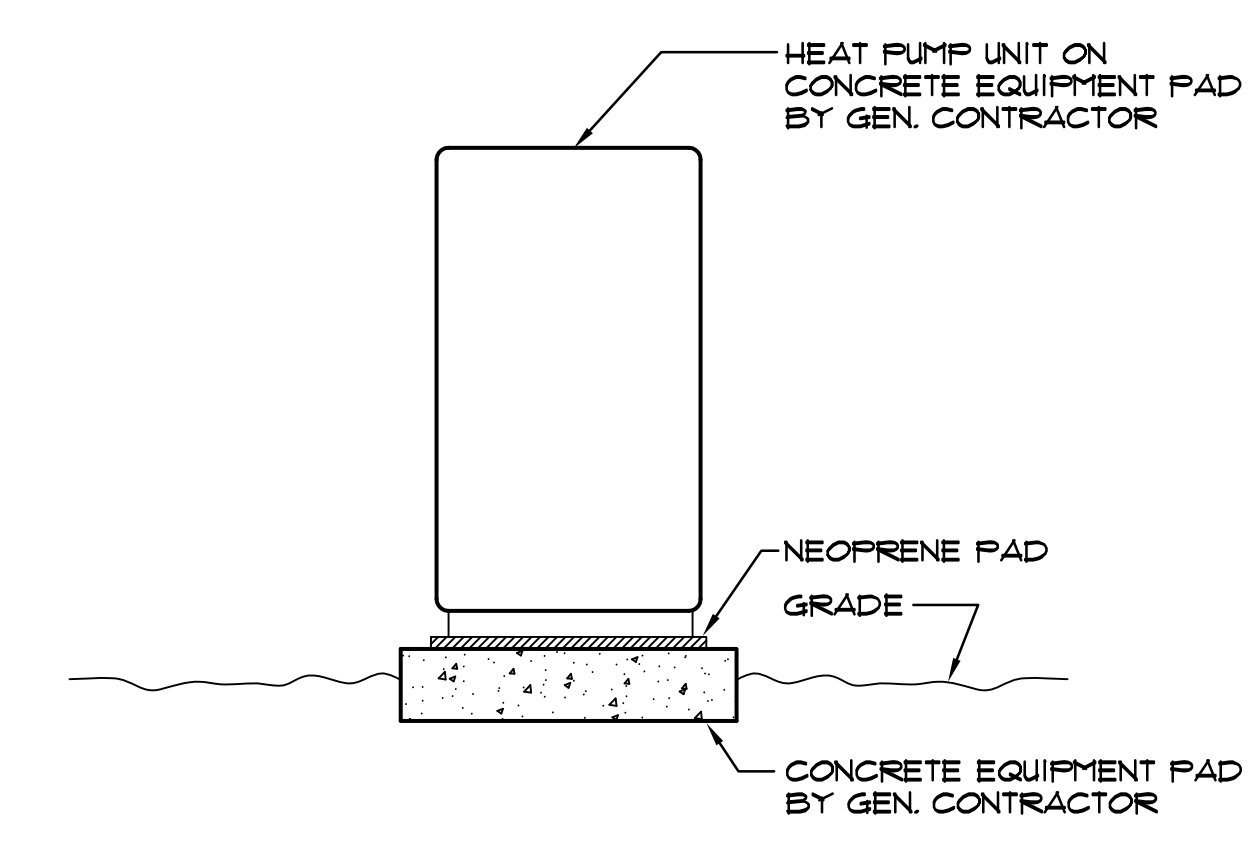
10 FILTER RACK DETAIL
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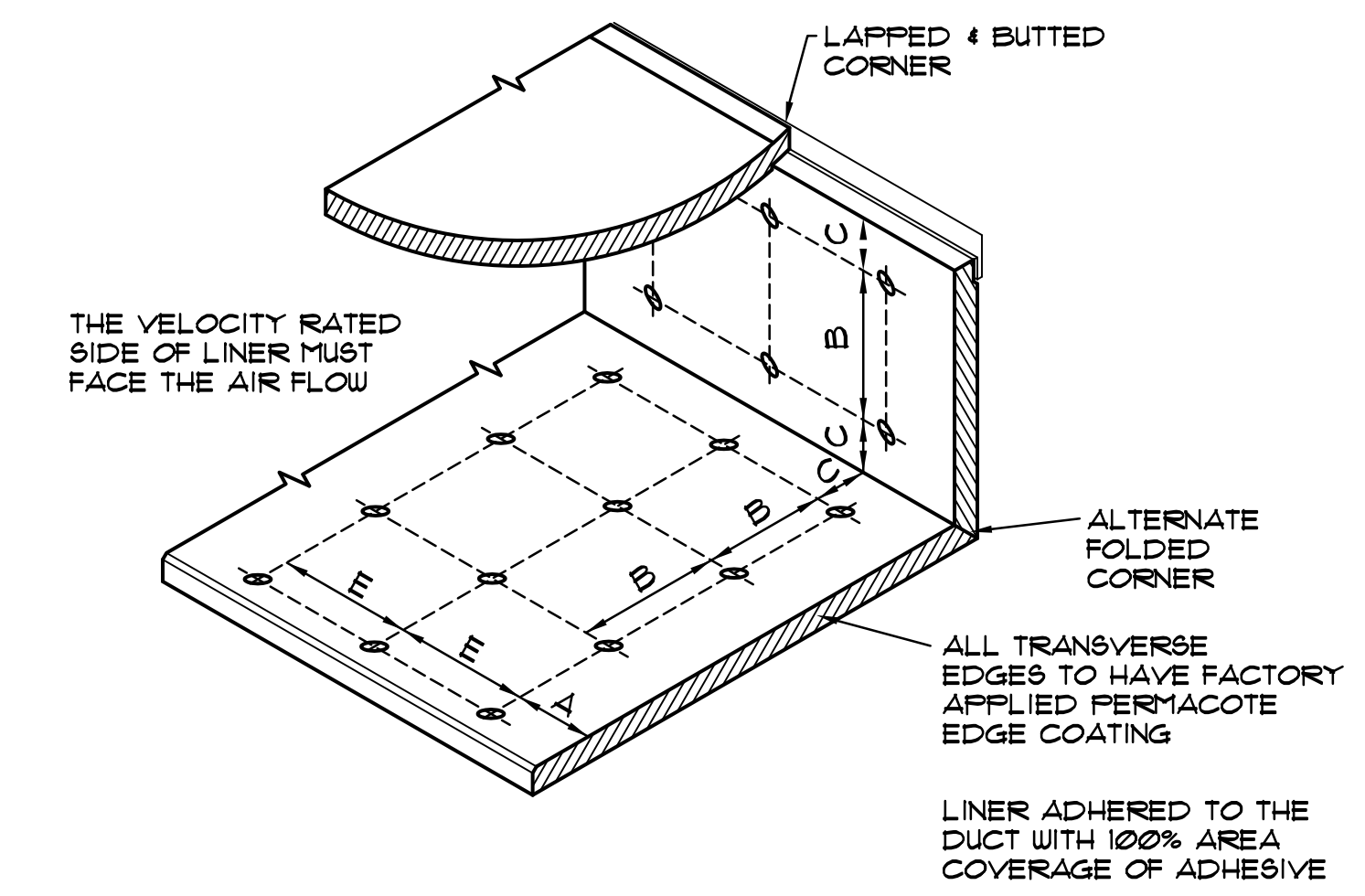
11 TYP. PIPE SUPPORT DETAIL
M3.1 SCALE: NTS.



12 CONDENSATE P-TRAP DETAIL
M3.1 SCALE: NTS.

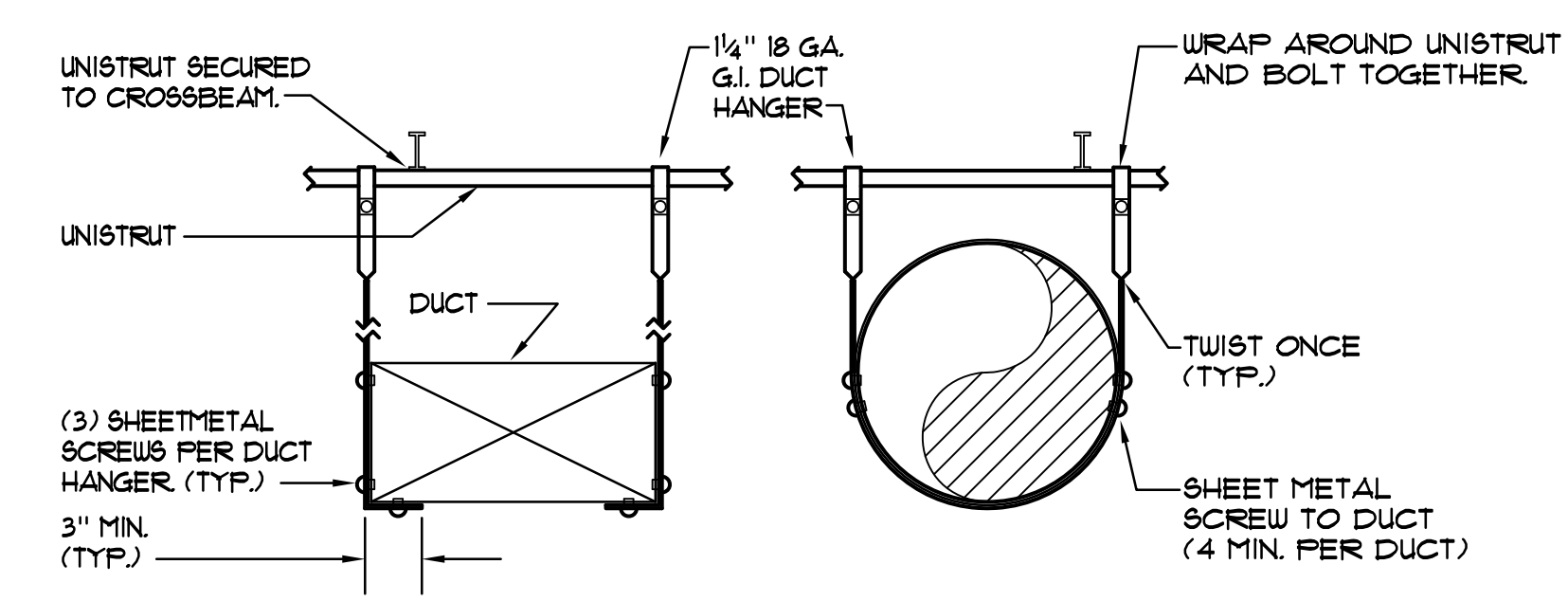


5 HEAT PUMP UNIT ON ROOF MOUNTING DETAIL
M3.1 SCALE: NTS.

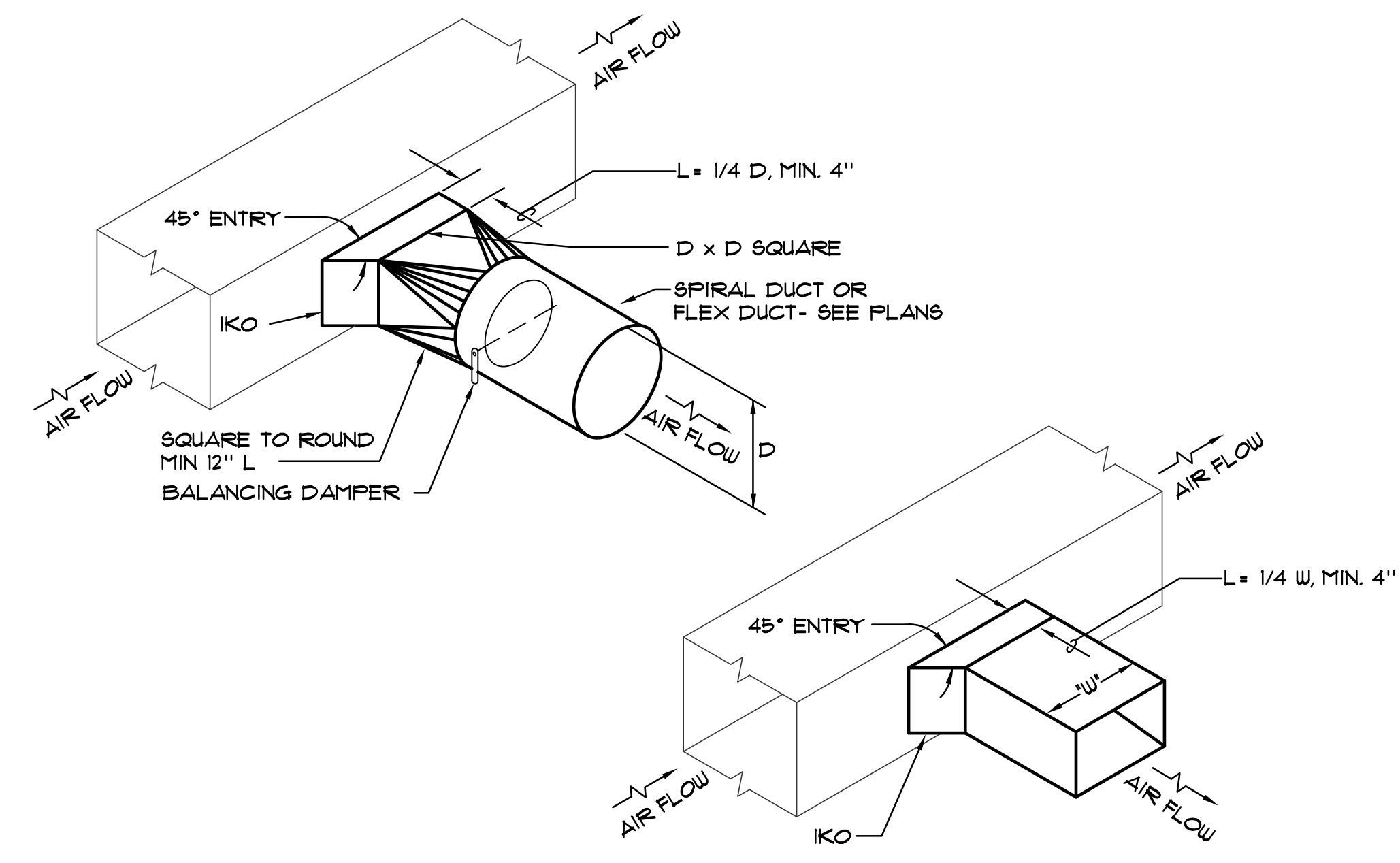


VELOCITY	MAXIMUM SPACING FOR FASTENERS			
	A	B	C	E
0-4000 FPM	3"	6"	4"	16"

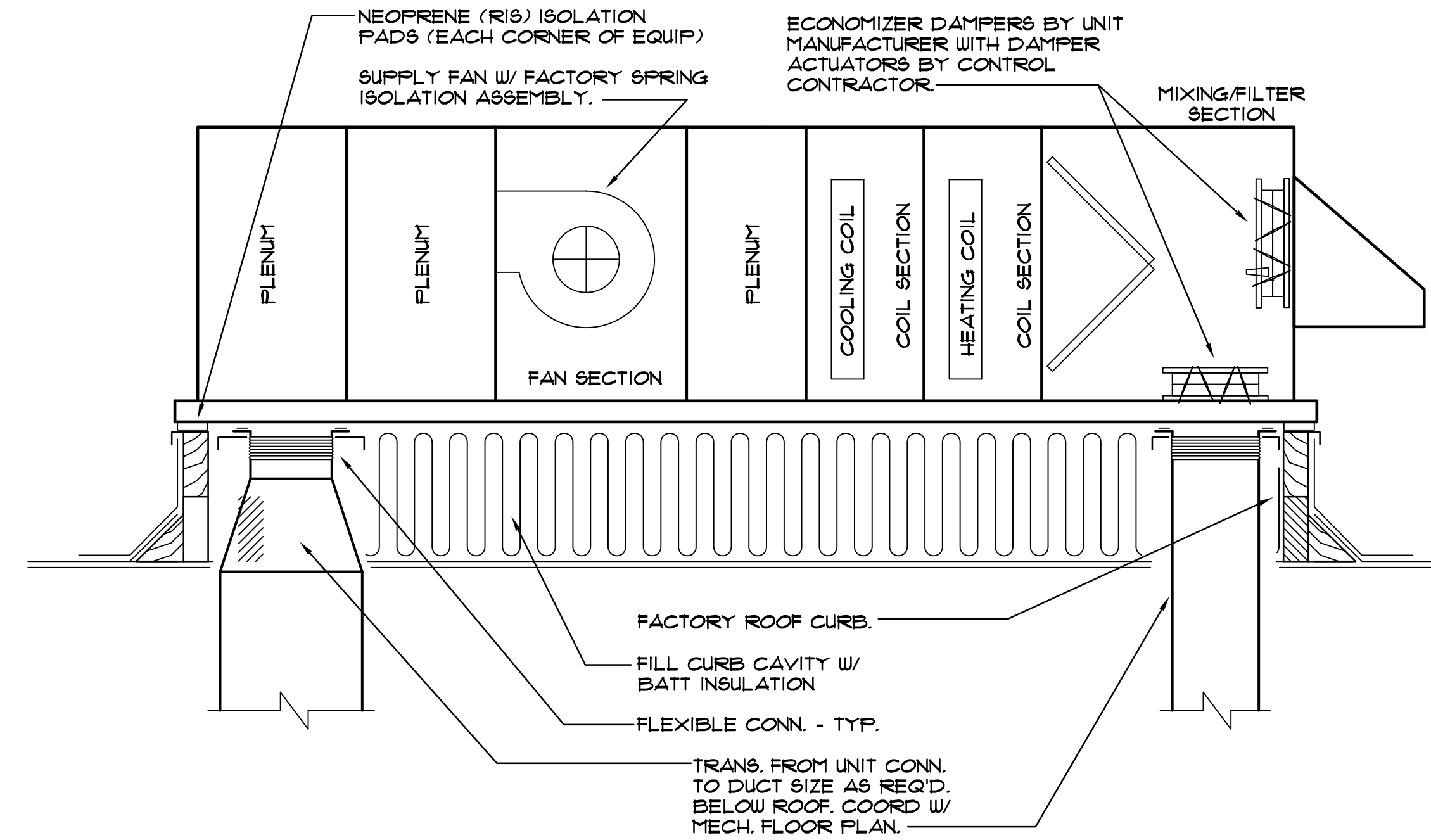
6 ACOUSTICAL LINER DETAIL
M3.1 SCALE: NTS.



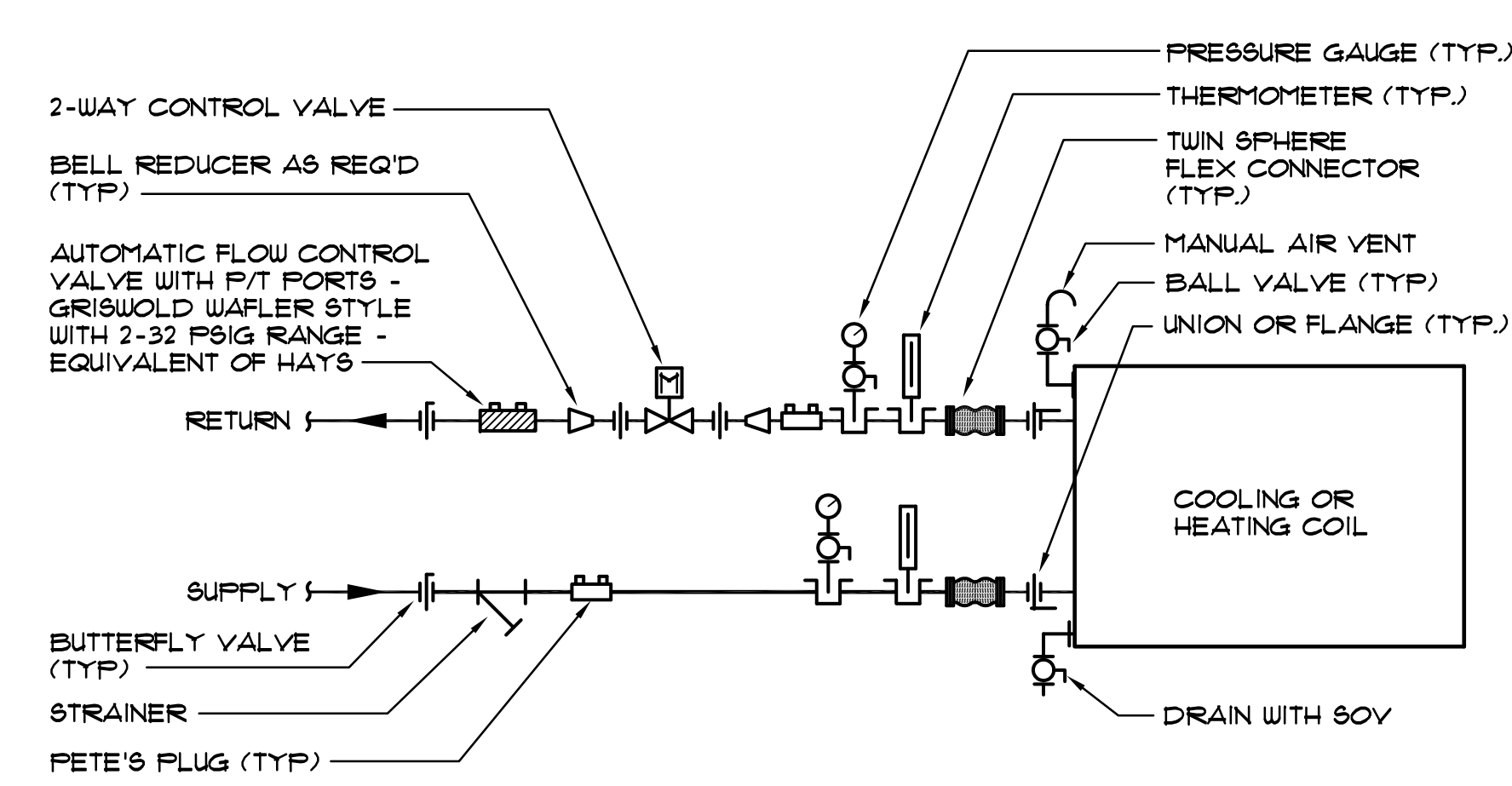
7 TYP. DUCT SUPPORT DETAIL
M3.1 SCALE: NTS.



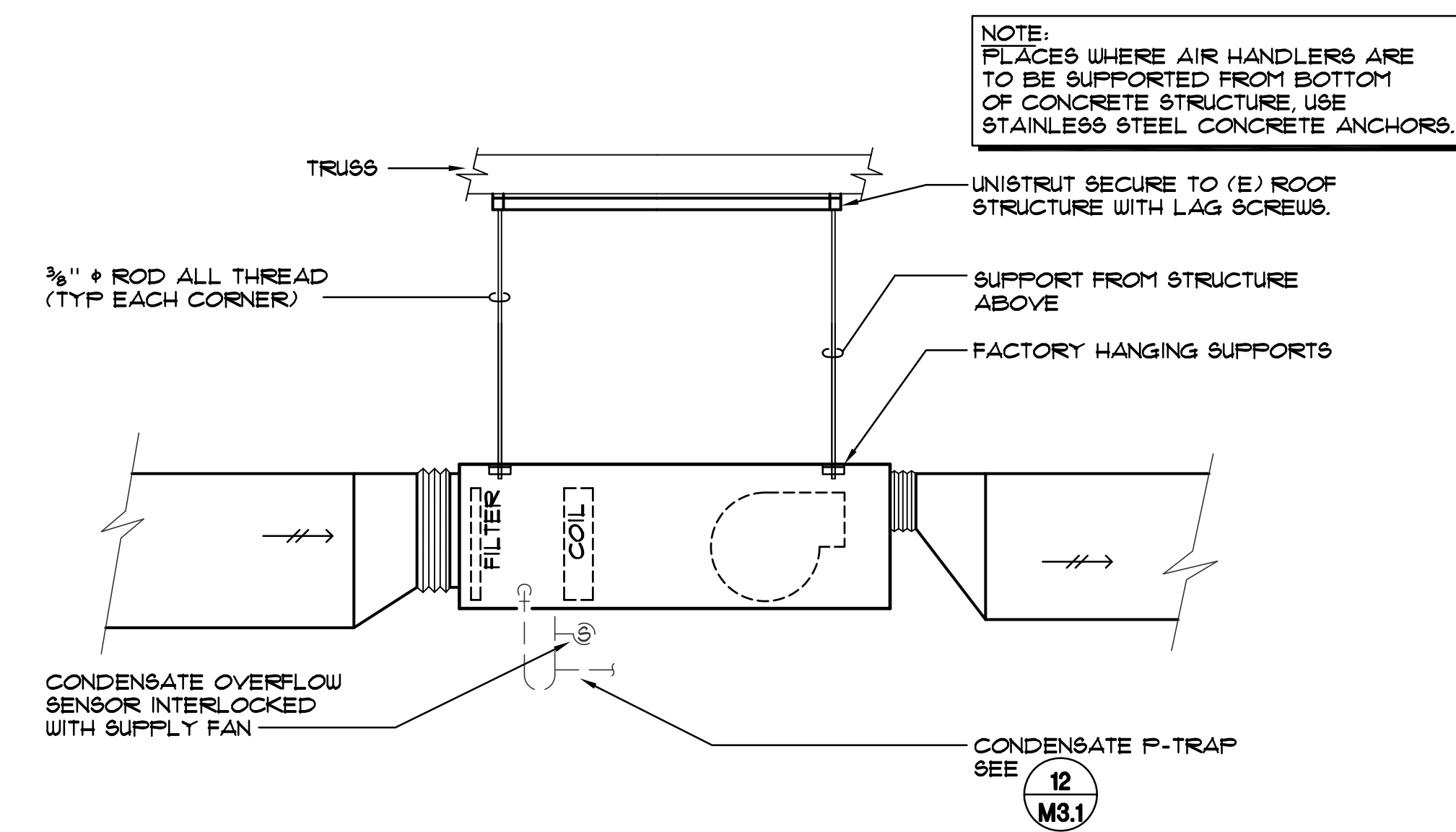
8 TYP. DUCT TAKE-OFF DETAIL
M3.1 SCALE: NTS.



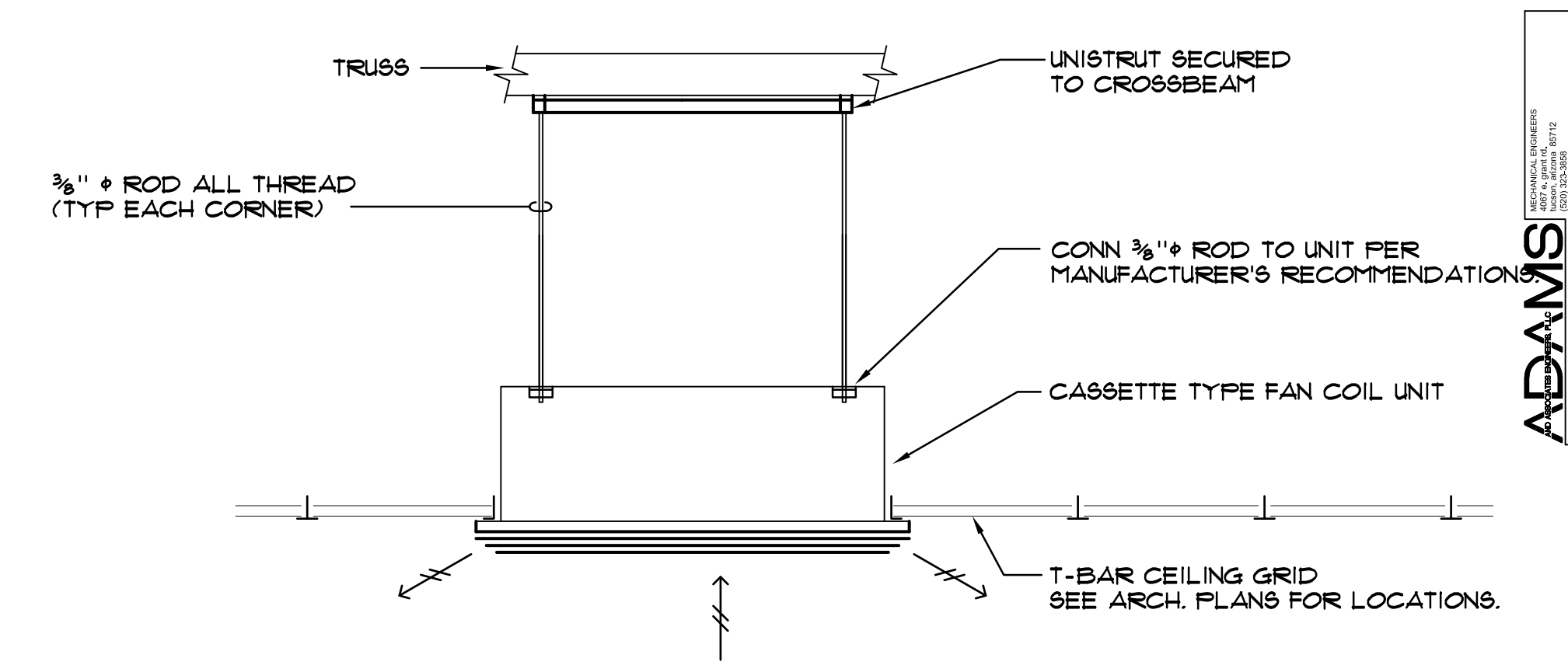
1 TYP. AHU DETAIL
M3.1 SCALE: NTS.



2 TYP. COIL PIPING SCHEMATIC
M3.1 SCALE: NTS.



3 ABOVE CEILING FAN COIL HANGING DETAIL
M3.1 SCALE: NTS.



4 CEILING CASSETTE HANGING DETAIL
M3.1 SCALE: NTS.

ADAMS
DESIGNED BY: D.T.
CHECKED BY: D.T.
DRAWN BY: D.T.
DATE: 08/11/2006

SEAL
AGENCY REVIEW
CERTIFICATE NO. 45700
DAVID C. TYRRELL
REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 12-31-12

PROJECT: CFSD HIGH SCHOOL
BUILDING ID: KITCHEN AND PERFORMING ARTS EXPANSION
DRAWING TITLE: MECHANICAL DETAILS

NO. DATE ISSUE
DRAWN BY: PROJECT NO. 2010-0138-00 / 2010-0323-00
CHECKED BY: DATE 04/06/11
CHECKED BY: DATE
DRAWING NO. M3.1

BMCS	- ENERGY MONITORING & CONTROL SYSTEM
DB	- DRY BULB
LCI	- LOCAL CONTROL INTERLOCK
LLC	- LOCAL LOOP CONTROL
DB	- DRY BULB
SA	- SUPPLY AIR
RA	- RETURN AIR
OA	- OUTSIDE AIR
M	- ELECT. DMP. OPERATOR
DP	- DIFFERENTIAL PRESSURE SWITCH
S	- START / STOP INTERFACE
PO	- POSITION INDICATION AND ADJUSTMENT
STR	- MOTOR STARTER
T	- TEMPERATURE
C	- CURRENT SWITCH
S	- START / STOP INTERFACE
O	- ON/OFF INDICATION
F	- FREEZE STAT
S	- SPACE TEMPERATURE SENSOR
CO ₂	- CARBON DIOXIDE SENSOR

[illegible]

AIR HANDLING UNIT (AHU-2):

THE ROOFTOP AIR HANDLING UNITS SHALL BE STARTED ON AN OPTIMIZED START/STOP BASIS AND RUN CONTINUOUSLY DURING OCCUPIED HOURS. A DIFFERENTIAL PRESSURE SWITCH SHALL BE INSTALLED ACROSS THE SUPPLY FAN TO PROVIDE ON/OFF STATUS. IF THE SUPPLY FAN DOES NOT PROVIDE STATUS, AN ALARM SHALL BE SENT TO THE EMCS. ELECTRONIC ACTUATORS SHALL BE PROVIDED ON THE OUTSIDE AIR DAMPER. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING MORNING WARM-UP OR COOLING DOWN OPERATIONS.

TWO-WAY MODULATING CONTROL VALVES FOR THE HEATING AND COOLING COILS SHALL BE POSITIONED TO MAINTAIN SPACE TEMPERATURE. THE EMCS SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND HEATING/COOLING VALVE POSITIONS.

THE EMCS SHALL MAINTAIN A MINIMUM OUTSIDE AIR DAMPER POSITION OF 10% WHEN THE ROOM CO2 CONCENTRATION IS 800 PPM OR BELOW. THE OUTSIDE AIR DAMPER SHALL BE OPENED TO THE DESIGN FRESH AIR RATIO TO CLOSE THE ROOM CO2 CONCENTRATION EXCEEDS 800 PPM. THE EMCS SHALL RE-POSITION THE OUTSIDE AIR DAMPER UNIT THE ROOM CO2 CONCENTRATION HAS NOT EXCEEDED 800 PPM FOR A MINIMUM OF 30 MINUTES.

A DIFFERENTIAL PRESSURE SENSOR SHALL BE PROVIDED ACROSS THE AIR FILTER TO MEASURE PRESSURE DROP AND ALARM THE EMCS WHEN THE PRESSURE DROP ACROSS THE FILTER EXCEEDS 15 TIMES THE INITIAL PRESSURE DROP.

THE TEMPERATURE SENSOR SHALL PROVIDE TEMPERATURE ADJUSTMENT (USER ADJUSTABLE) AND OVERRIDE (USER ADJUSTABLE).

AIR HANDLING UNIT (AHU-2):

THE ROOFTOP AIR HANDLING UNITS SHALL BE STARTED ON AN OPTIMIZED START/STOP BASIS AND RUN CONTINUOUSLY DURING OCCUPIED HOURS. A DIFFERENTIAL PRESSURE SWITCH SHALL BE INSTALLED ACROSS THE SUPPLY FAN TO PROVIDE ON/OFF STATUS. IF THE SUPPLY FAN DOES NOT PROVIDE STATUS, AN ALARM SHALL BE SENT TO THE EMCS. ELECTRONIC ACTUATORS SHALL BE PROVIDED ON THE OUTSIDE, RETURN AND CHILLED WATER DAMPERS. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING MORNING WARM-UP OR COOLING DOWN OPERATIONS.

TWO-WAY MODULATING CONTROL VALVES FOR THE HEATING AND COOLING COILS SHALL BE POSITIONED TO MAINTAIN SPACE TEMPERATURE. THE EMCS SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND HEATING/COOLING VALVE POSITIONS.

THE EMCS SHALL OPERATE IN AIR SIDE ECONOMIZER MODE ANYTIME THE OUTSIDE AIR TEMPERATURE IS 5°F BELOW THE SPACE TEMPERATURE SET POINT. THE EMCS SHALL CLOSE THE CHILLED WATER VALVE AND OPEN THE RELIEF AIR DAMPERS TO RELIEF THE PRESSURE WITHIN THE BUILDING. THE RETURN AND OUTSIDE AIR DAMPERS SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE SET POINT. IF THE SPACE TEMPERATURE SET POINT IS NOT SATISFIED WITHIN 5 MINUTES, THE EMCS SHALL MODULATE THE CONTROL VALVE TO RE-POINT TO CLOSE THE ECONOMIZER OPERATIONS WITH MECHANICAL COOLING. THE CHILLED WATER CONTROL VALVE SHALL BE CLOSED IN ECONOMIZER MODE ANYTIME THE OUTSIDE AIR DAMPER CLOSURE BELOW 80% WHEN NOT IN ECONOMIZER MODE, THE RELIEF AIR DAMPERS SHALL CLOSE AND THE OUTSIDE AIR AND RETURN SHALL RE-POSITION TO MAINTAIN THE MINIMUM OUTSIDE AIR REQUIREMENTS.

THE RETURN AND OUTSIDE AIR DAMPERS SHALL BE MODULATED IN DEMAND CONTROL VENTILATION MODE TO MAINTAIN THE ROOM CO2 CONCENTRATION OF 1000 PPM. THE EMCS SHALL OPEN THE RELIEF AIR DAMPERS ANYTIME THE AHU IS IN DEMAND CONTROL VENTILATION MODE. THE EMCS SHALL MAINTAIN A MINIMUM OUTSIDE AIR DAMPER POSITION OF 10% WHEN THE AHU IS NOT IN DEMAND CONTROL VENTILATION MODE.

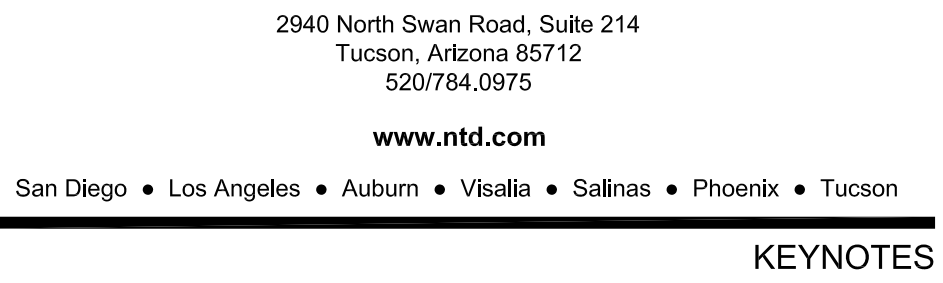
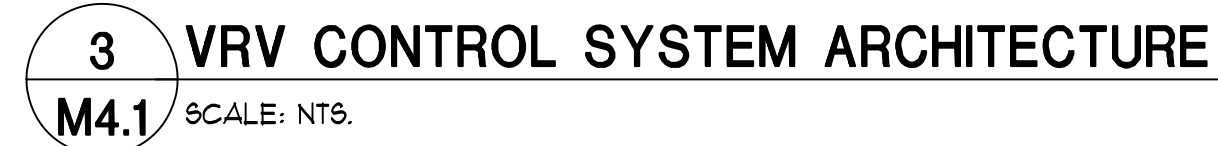
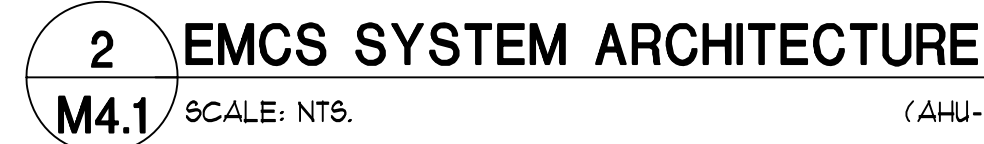
A FREEZE STAT SHALL BE PROVIDED UPSTREAM OF THE COOLING COIL TO SHUT DOWN THE SUPPLY FAN IF THE MIXED AIR TEMPERATURE REACHES 40 DEGREES F. THE EMCS SHALL MONITOR THE STATUS OF THE FREEZE STAT TO CLOSE THE OUTSIDE AIR DAMPER, OPEN THE RETURN AIR DAMPER AND OPEN BOTH THE HEATING AND CHILLED WATER CONTROL VALVES. A DIFFERENTIAL PRESSURE SENSOR SHALL BE PROVIDED ACROSS THE AIR FILTER TO MEASURE PRESSURE DROP AND ALARM THE EMCS WHEN THE PRESSURE DROP ACROSS THE FILTER EXCEEDS 15 TIMES THE INITIAL PRESSURE DROP.

THE TEMPERATURE SENSOR SHALL PROVIDE TEMPERATURE ADJUSTMENT (USER ADJUSTABLE) AND OVERRIDE (USER ADJUSTABLE).

GENERAL:

AN OUTSIDE AIR DRY BULB TEMPERATURE SENSOR SHALL BE MOUNTED ON THE NORTH SIDE OF THE BUILDING TO MONITOR AMBIENT AIR CONDITIONS.

SUBMIT ALL ALARM TEMPERATURES FOR APPROVAL WITH THE CONTROL SHOP DRAWINGS. ALL ALARM AND CONTROL SET POINTS SHALL BE USER ADJUSTABLE.



ADAMS
MECHANICAL ENGINEERS
4507 4th Street, S.E.
Atlanta, GA 30316
404/525-6512
FAX 404/525-6598

DESIGNED BY D.T. CHECKED BY D.T.

DRAWN BY D.T. JOB # 10206

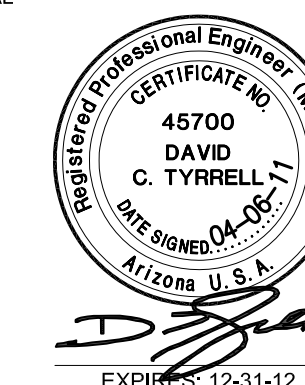
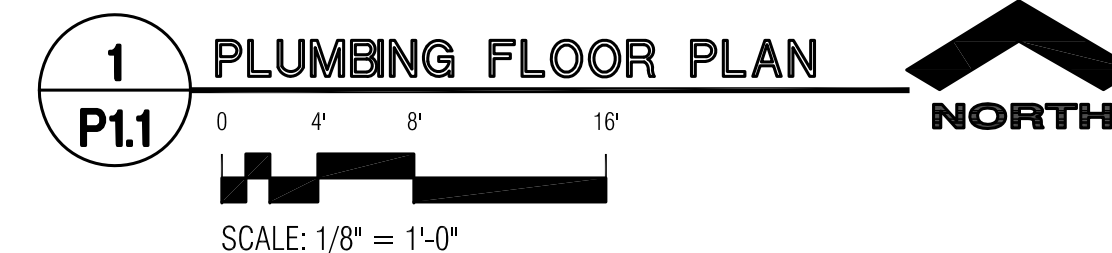


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BUILDING ID

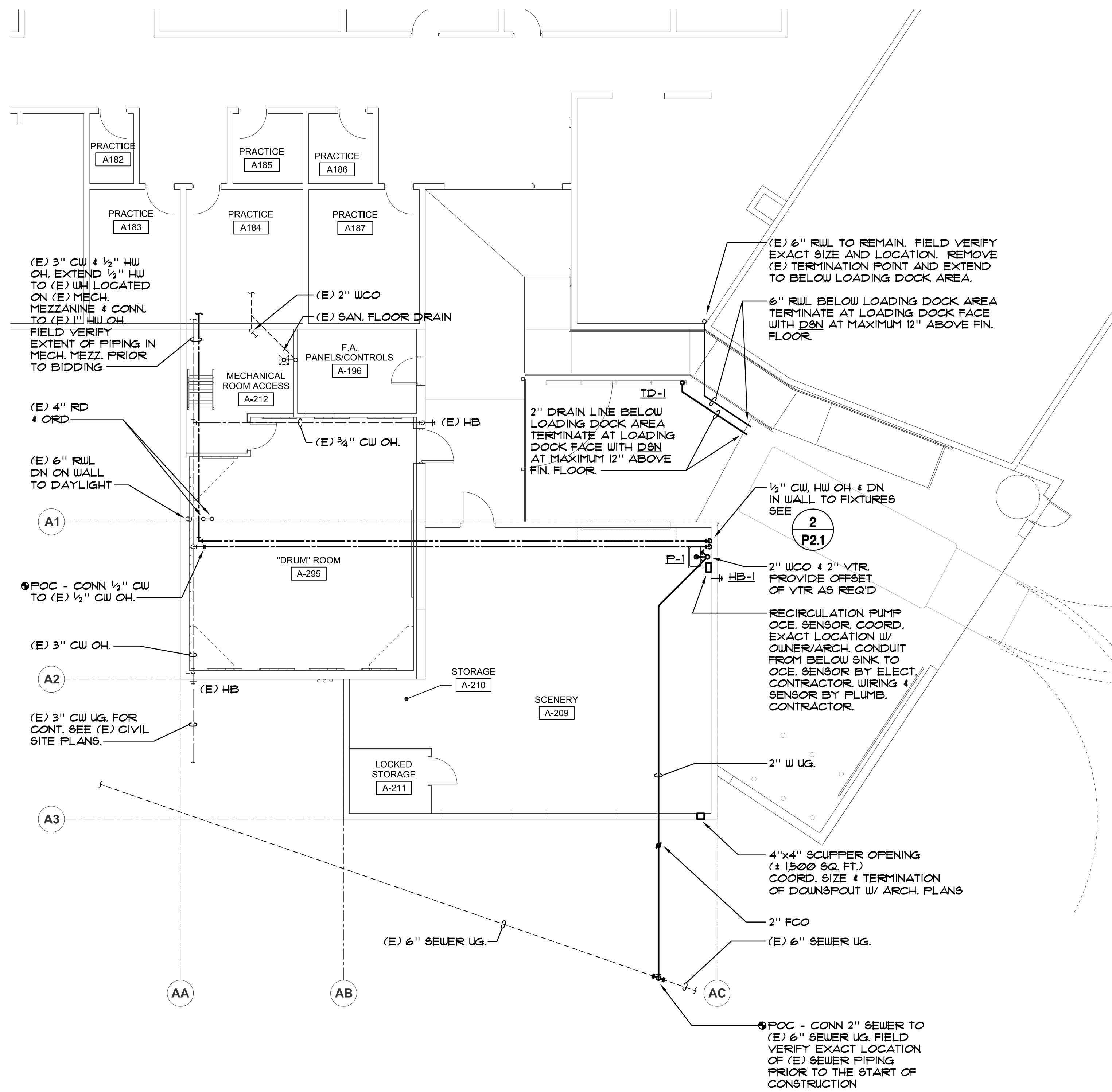
MECHANICAL
CONTROLS

M4.1

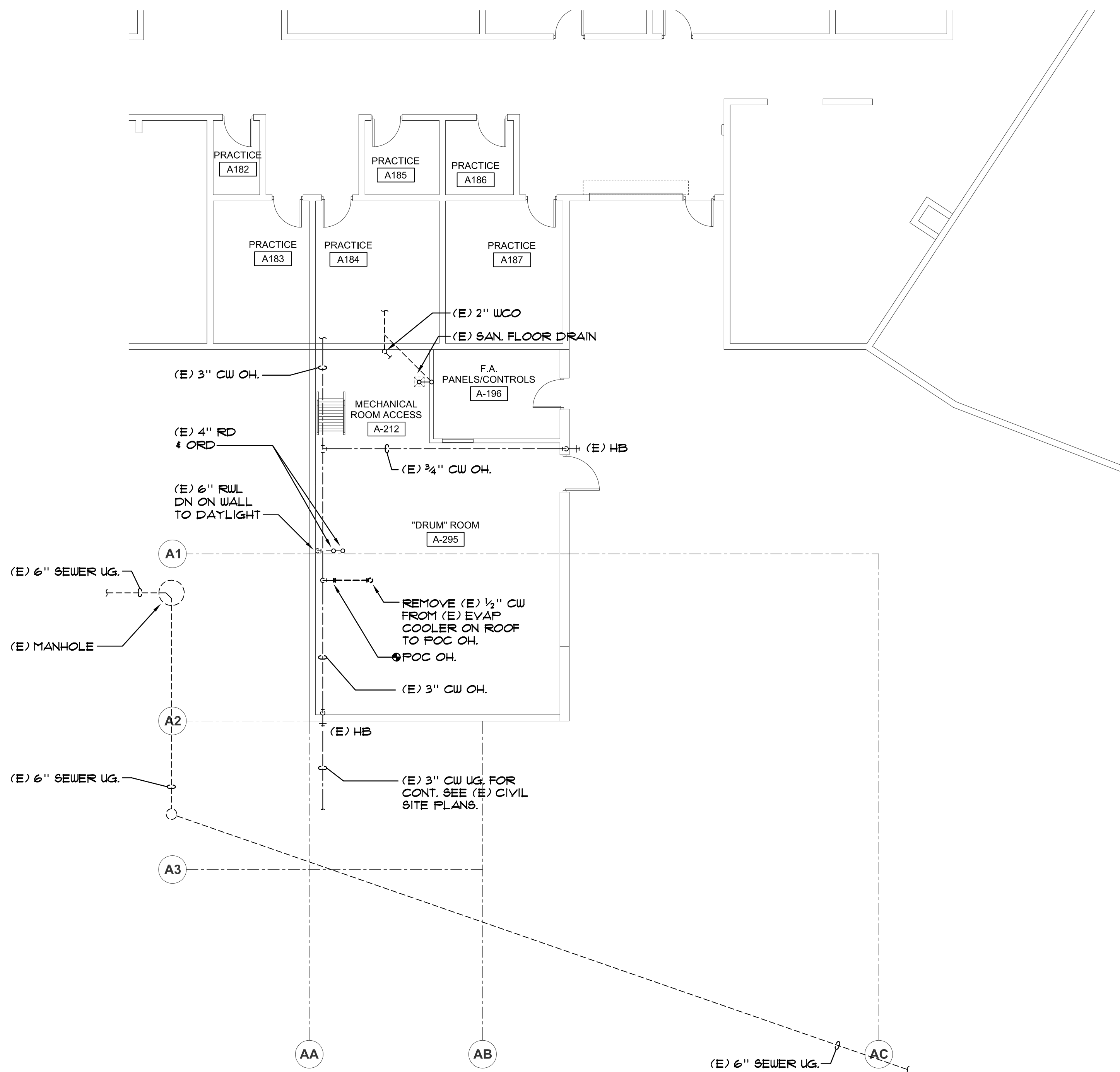


DRAWING TITLE BUILDING ID
PLUMBING FLOOR
PLAN

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
_____	_____	_____	2010-0138-00 / 2010-0323-00	_____
_____	_____	_____	CHECKED BY	© DATE
_____	_____	_____	CHECKED BY	04/06/11
_____	_____	_____	DRAWING NO.	_____
_____	_____	_____	P1.1	_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____



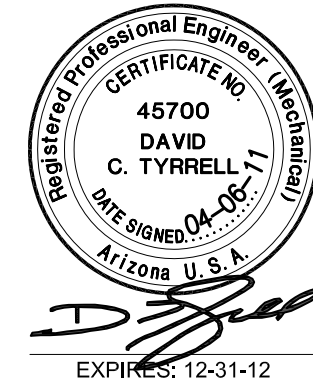
2 PLUMBING FLOOR PLAN
P1.2
SCALE: 1/8" = 1'-0"
NORTH



1 PLUMBING DEMO FLOOR PLAN
P1.2
SCALE: 1/8" = 1'-0"
NORTH

ADAMS
DESIGNED BY: D.T.
CHECKED BY: D.T.
DATE: 05/11/2006

SEAL AGENCY REVIEW



PROJECT CFSD HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION

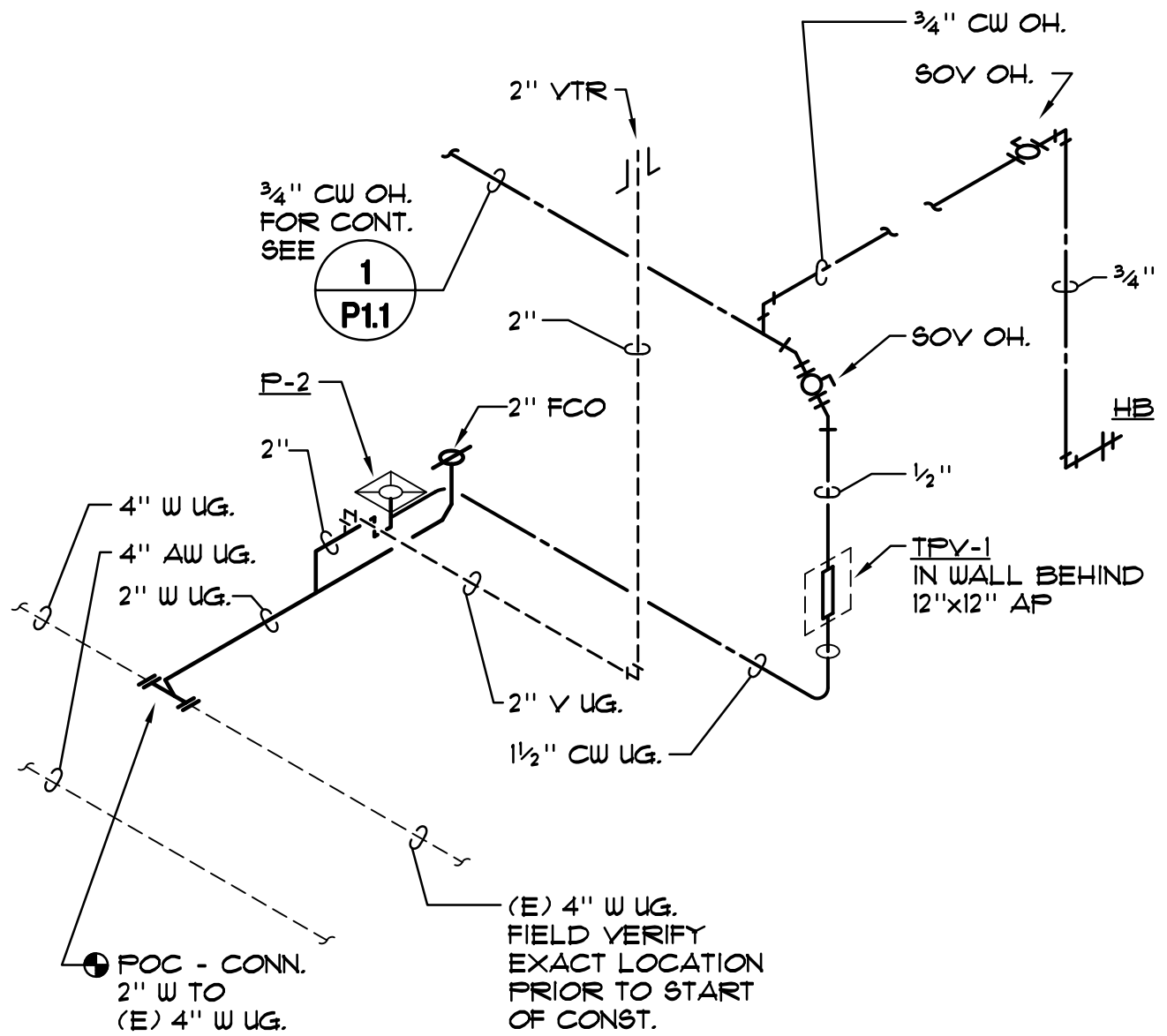
DRAWING TITLE BUILDING ID
PLUMBING FLOOR
PLAN

NO. DATE ISSUE DRAWN BY PROJECT NO.
2010-0138-00 / 2010-0323-00
CHECKED BY
CHECKED BY © DATE
04/06/11
DRAWING NO.

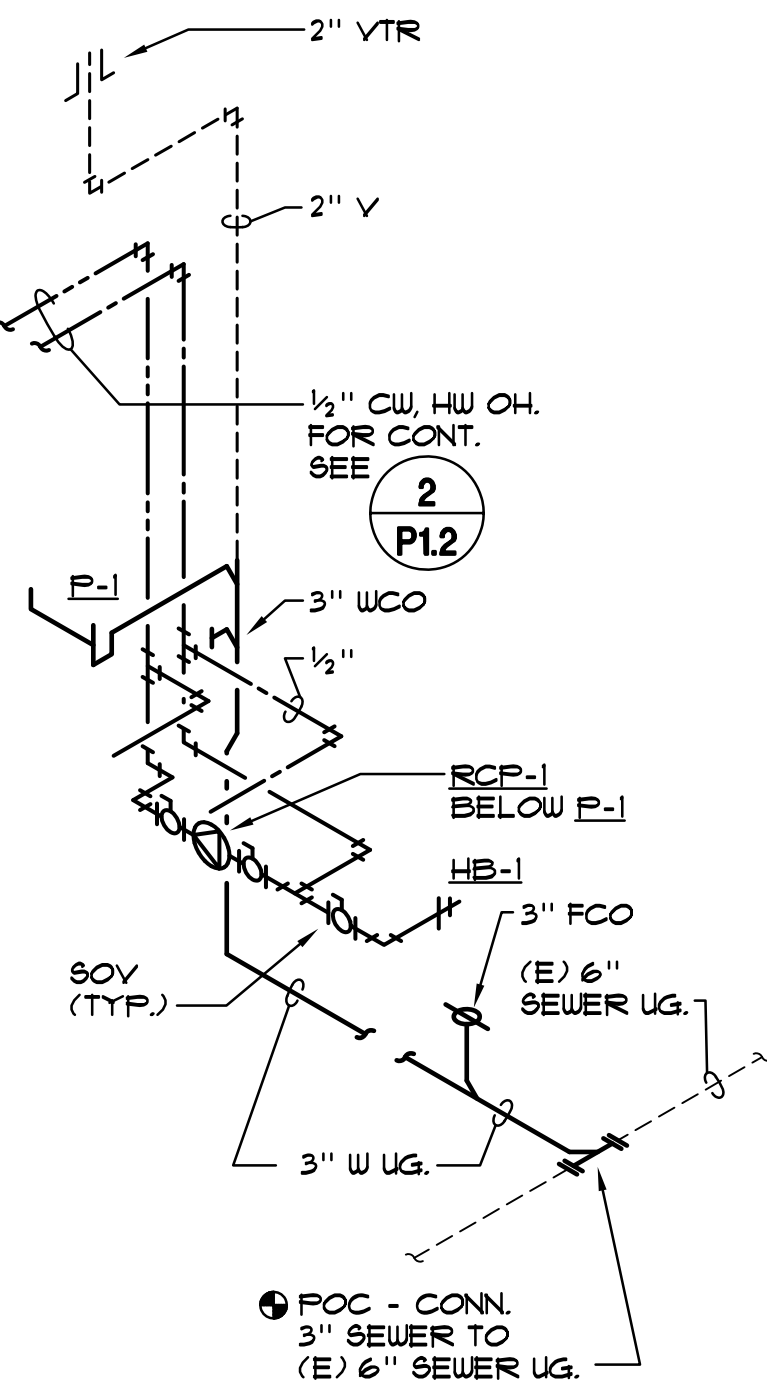
P1.2

T:\DWG\10205 - Catalina Foothills Kitchen & Loading Dock\P2.1.dwg 04/08/11 2:28:48pm 1 CADD\16

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	ITEM
---	CW	COLD WATER
---	HW	HOT WATER
---	HWR	HOT WATER RETURN
---	W	WASTE PIPING
---	GCO	GROUND CLEANOUT
---	FCO	FLOOR CLEANOUT
---	WCO	WALL CLEANOUT
---	VTR	VENT THRU ROOF
---	V	VENT PIPING
---	SOV	SHUT-OFF VALVE (1/4-TURN BALL VALVE)
---	HB	HOSE BIBB
---	RD	ROOF DRAIN
---	ORD	OVERFLOW ROOF DRAIN
---	RUL	RAINWATER LEADER
---	ORUL	OVERFLOW RAINWATER LEADER
---	D&N	DOWNSPOUT NOZZLE
---	AP	ACCESS PANEL
---	POC	POINT OF CONNECTION TO EXISTING
---	EXIST.	EXISTING
---	UG	UNDERGROUND
---	OH	OVERHEAD
---	DN	DOWN
---	ABV.	ABOVE
---	BLW.	BELOW
---	CONN.	CONNECT
---	CLG.	CEILING



1 PLUMBING ISOMETRIC
P2.1 NTS



2 PLUMBING ISOMETRIC
P2.1 NTS

PLUMBING FIXTURE SPECIFICATIONS

P-1:
CLASSROOM SINK:
EAGLE GROUP MODEL #2460-2-16/3, 1/2 GAUGE TYPE 304 STAINLESS STEEL TWO-COMPARTMENT UTILITY SINK,
30" X 24" X 13-1/2" DEEP, TWO FAUCET HOLES PUNCHED ON 8" CENTERS. EURO-STYLE EDGING ON FRONT AND 8"
BACKSPLASH. ALL OUTSIDE CORNERS SHALL BE BULLNOSE FOR CLEAN, SAFE EDGES. 1-5/8" OD TUBULAR LEGS
WITH ADJUSTABLE FEET. UNIT COMPLETE WITH 1-1/2" IPS BASKET-TYPE WASTE DRAINS.
FAUCET:
CHICAGO FAUCETS MODEL #631-L2WFCF 12" C-C SWING SPOUT FAUCET ON 8" ADJUSTABLE CENTERS, 4" INDEXED
WRIST BLADE HANDLES, AND 22 GPM PRESSURE COMPENSATING SOFTFLO AERATOR.
TRAP:
MCQUIRE MODEL #8922 CHROME PLATED HEAVY CAST BRASS GROUND JOINT P-TRAP WITH 1/2 GAUGE TUBULAR
BRASS WALL BEND, CAST BRASS CHROME PLATED WALL FLANGE WITH SETSCREW, CLEANOUT PLUG, AND CHROME
PLATED BRASS NUTS. 1-1/2" X 1-1/2" AND 1-1/2" IT GAUGE CONTINUOUS WASTE.
SUPPLIES:
MCQUIRE MODEL #2165-LK-R15 HEAVY FLEXIBLE SUPPLIES, COMPLETE WITH CHROME PLATED 1/2" IPS. X 3/8"
OD ANGLE STOPS WITH LOOSE KEY HANDLES AND BRASS STEMS. PROVIDE 15" OPTIONAL RISER.
SOLIDS TRAP:
WADE MODEL #5142 CAST IRON SOLIDS INTERCEPTOR WITH ACID RESISTING COATINGS. INTEGRAL DEEP SEAL
TRAP AND CLEANOUT, REMOVABLE PERFORATED STAINLESS STEEL SEDIMENT BUCKET.
P-2:
SANITARY FLOOR DRAIN:
WADE MODEL #U-9142, 12" X 12" X 8" CAST IRON SANITARY FLOOR DRAIN WITH ARE. INTERIOR, ALUMINUM DOME
STRAINER AND NICKEL BRONZE TOP (PROVIDE DEEP SEAL TRAP AND TRAP PRIMER CONNECTION).
HB:
HOSE BIBB:
CHICAGO FAUCET CO. MODEL #81 POLISHED CHROME PLATED 3/4" WITH VANDAL PROOF LOCKSHIELD
REMOVABLE TEE HANDLE AND CHICAGO MODEL #E21 VACUUM BREAKER.
HB-1:
HOSE BIBB:
WATTS MODEL #MBH-RC, CHROME PLATED, 1/2" WITH VANDAL PROOF LOCKSHIELD REMOVABLE TEE HANDLE AND
INTEGRAL VACUUM BREAKER.
AD-1:
AREA DRAIN:
WADE MODEL #U-3214-119 CAST IRON PARAPET DRAIN WITH THREADED 90° SIDE OUTLET, NICKEL BRONZER
FLASHING, CLAMP AND GRATE WITH SECURITY SCREWS. SET AND INSTALL AREA DRAIN IN CONCRETE, AS
REQUIRED.
TD-1:
TRENCH DRAIN:
ABT, INC. "POLYDRAIN" SERIES #210 THROUGH SERIES #240 PRE-SLOPED INTER-LOCKING CHANNELS AND
SERIES #250 PRE-SLOPED INTER-LOCKING CHANNEL WITH VERTICAL OUTLET AS ENDING SEGMENT, TO COMPLETE
A 5 SEGMENT TRENCH DRAIN. END SEGMENTS TO INCLUDE APPROPRIATE END PLATES. CHANNELS SHALL BE
COMPLETE WITH STAINLESS STEEL SERIES #410 PREFORMED, ADA COMPLIANT, HEEL PROOF, GRATES AND
STAINLESS STEEL, VANDAL PROOF, LOCKING DEVICES.
RD:
ROOF DRAIN:
WADE MODEL #U-3020-42-52-53 CAST IRON ROOF DRAIN WITH FLANGE, FLASHING RING WITH GRAVEL STOP AND
CAST IRON MUSHROOM DOME, PROVIDE OPTIONAL DECK CLAMP AND BEARING PAN. (PROVIDE EXTENSION AS
REQUIRED TO ACCOMMODATE ROOF THICKNESS.)
ORD:
OVERFLOW ROOF DRAIN:
SAME AS RD. EXCEPT WADE MODEL #U-3020-D-42-52-53 WITH 2" SOLID DAM.
D&N:
DOWNSPOUT NOZZLE:
ZURN MODEL #2-ZARB-193 BRONZE BODY DOWNSPOUT NOZZLE WITH THREADED OUTLET AND FLANGE TO SECURE
TO WALL.
TPV-1:
TRAP PRIMER VALVE:
PRECISION PLUMBING PRODUCTS MODEL #MPB-520-115V MINI-PRIME ELECTRONIC TRAP PRIMING MANIFOLD WITH
1/2" NPT CONNECTION, 115 V TIMER SOLENOID VALVE PRE-SET TO OPEN FOR 10 SECONDS EVERY 24 HRS. UNIT
COMPLETE WITH 12"x12"x4" BOX WITH MODEL D-81485 STAINLESS STEEL ACCESS DOOR.
RCP-1:
RECIRCULATION PUMP, (UNDER SINK)
TACO "D-MAND" MODEL #2011-D1-PK, INSTANT HOT WATER PUMP WITH BUILT-IN "ACT D-MAND" ELECTRONICS FOR
TEMPERATURE SENSING AND AUTOMATIC SHUT-OFF, PLUMBING ADAPTER KIT, INTEGRAL FLOW CHECK, MOUNTING
BRACKET, AND MODEL #554-4 MOTION SENSOR KIT FOR ACTIVATION TO CIRCULATE HOT WATER THROUGH THE
COLD WATER LINE. INSTALL PUMP AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION
INSTRUCTIONS. (120/1/60, 1/8 HP, 176 FLA, 3250 RPM.)

FIRE FLOW DATA

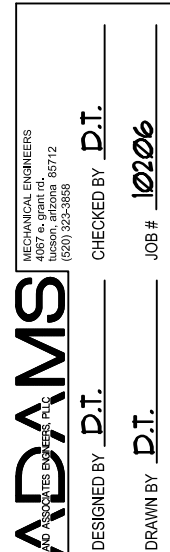
TYPE OF SYSTEM:
AUTOMATIC UET-PIPE FIRE SPRINKLER SYSTEM
HAZARD CLASSIFICATION:
LIGHT HAZARD: ADMIN. AND OFFICE AREAS, MULTI-PURPOSE ROOM
ORDINARY GRP #1: DRUM ROOM, SCENERY SHOP
ORDINARY GRP #2: STORAGE AND SUPPLY ROOMS
CONSTRUCTION STANDARDS:
NFPA 13, 1998 EDITION
2006 INTERNATIONAL BUILDING CODE, CHAPTER 9
HYDRANT TEST DATA:
STATIC PRESSURE: XX PSI
RESIDUAL PRESSURE: XX PSI
FLOW RATE: XXX GPM
TEST LOCATION: 4300 E. SUNRISE DRIVE
TEST DATE: XXXX
SOURCE: RURAL METRO FIRE DEPT.
DESIGN DENSITY:
LIGHT HAZARD - 0.10 GPM / 1500 SQFT
ORDINARY HAZARD, GRP-1 - 0.15 GPM / 1500 SQFT
ORDINARY HAZARD, GRP-2 - 0.20 GPM / 1500 SQFT
AUTHORITIES HAVING JURISDICTION:
STATE FIRE MARSHAL
NOTE:
FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE
HYDRANT FLOW INFORMATION WITH RURAL METRO FIRE
DEPARTMENT PRIOR TO BID AND DESIGN.

PLUMBING GEN. NOTES

- COORDINATE ALL OVERHEAD PIPING WITH HVAC DUCTWORK AND WORK OF OTHER TRADES.
- OFFSET ALL NEW AND/OR EXISTING V.T.R.'s TO TERMINATE A MIN. OF 3'-0" FROM ALL VERTICAL SURFACES AND A MIN. OF 10'-0" FROM, OR AT LEAST 3'-0" ABOVE ALL OUTSIDE AIR INTAKES.
- PLUMBER TO VERIFY EXACT SIZE AND LOCATION OF ALL EXIST. PIPING AND TO VERIFY INVERTS TO ASSURE PROPER SLOPE MAY BE OBTAINED BEFORE BEGINNING WORK.
- RUN ALL WASTE LINES AND RAINWATER LEADERS AT 2% SLOPE UNLESS NOTED OTHERWISE.
- TERMINATE ORUL's TO DAYLIGHT WITH D&N. ZURN MODEL DOWNSPOUT NOZZLE WITH NICKEL BRONZE FINISH OR EQUIVALENT.
- COORDINATE EXACT LOCATION OF EACH RUL TERMINATION WITH ARCHITECTURAL DRAWINGS.
- SAWCUT EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION AND CONNECTION OF UG PIPING TO EXISTING UG PIPING. BACKFILL AND PATCH CONCRETE SLAB TO MATCH EXISTING.
- THIS PROJECT SHALL BE IN CODE COMPLIANCE WITH THE 2006 IBC AND THE 2006 IECC AS ADOPTED BY PIMA COUNTY. THE PROJECT SHALL ALSO COMPLY WITH THE 2006 IFC WITH LOCAL AMENDMENTS.

FIXTURE SCHEDULE

MARK	FIXTURE DESCRIPTION	QTY.	WASTE		WATER		MINIMUM CONNECTION SIZE			
			F.U.	TOT.	F.U.	TOT.	HW	CW	W	V
P-1	CLASSROOM SINK	1	2	2	4	4	1/2"	1/2"	2"	2"
P-2	SANITARY FLOOR DRAIN (WITH TRAP PRIMER)	1	2	2	-	-	-	1/2"	2"	2"
HB	HOSE BIBB	1	-	-	2	2	-	3/4"	-	-
HB-1	HOSE BIBB	1	-	-	2	2	-	1/2"	-	-
TOTAL			4		8					

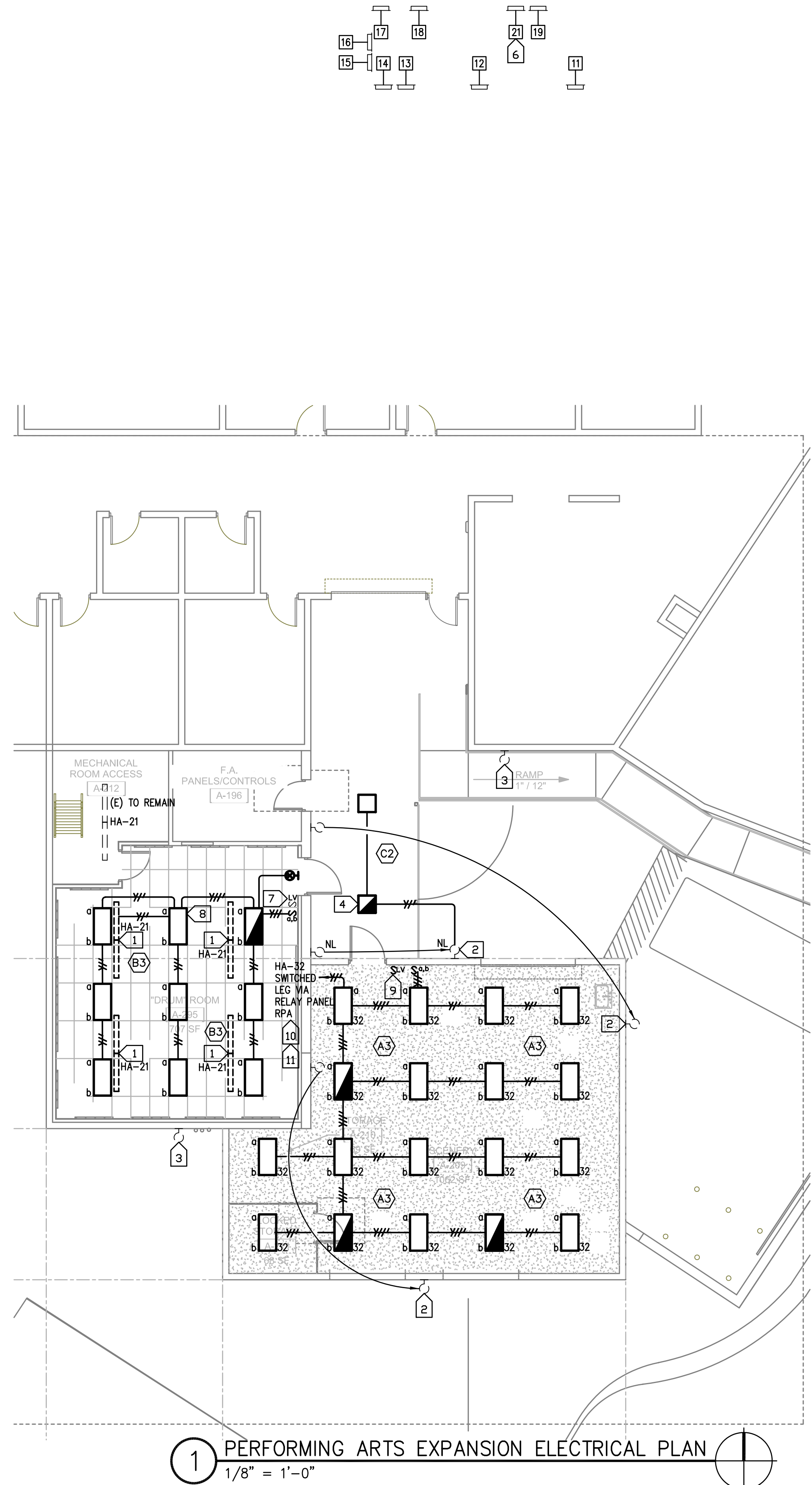
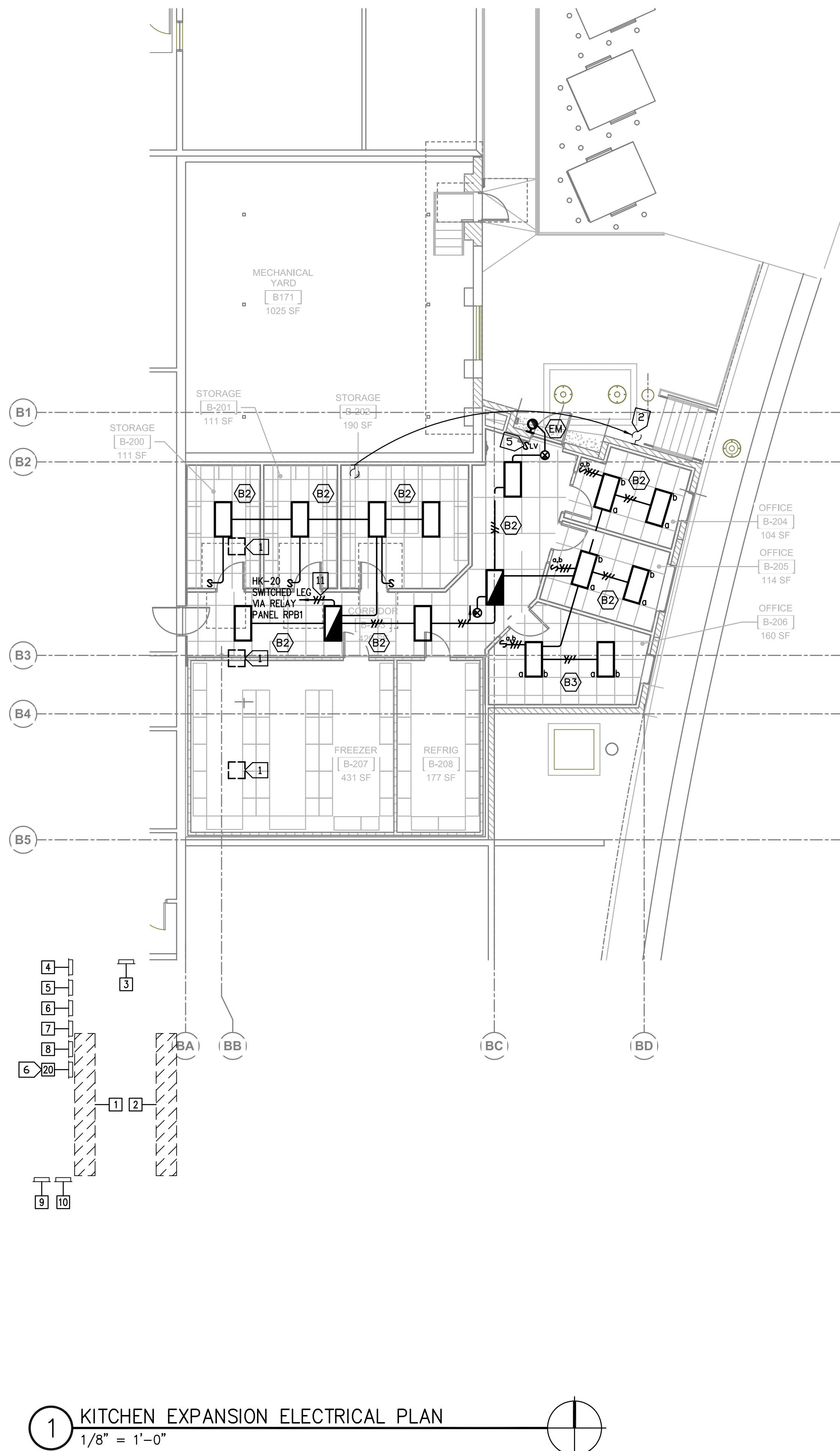


SEAL AGENCY REVIEW

PROJECT: CFSH HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION
DRAWING TITLE: BUILDING ID
PLUMBING DETAILS
AND SPECIFICATIONS

NO. DATE ISSUE
DRAWN BY: 2010-0138-00 / 2010-0323-00
CHECKED BY: ©DATE
CHECKED BY: 04/08/11
DRAWING NO.

P2.1



GENERAL NOTE:

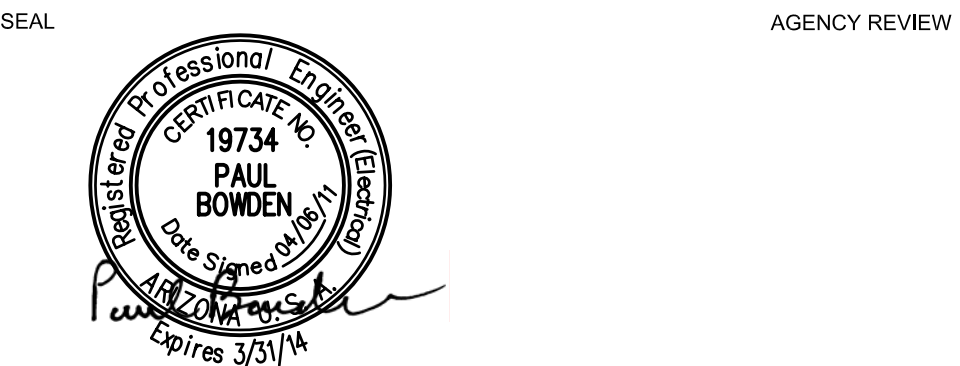
1. MAINTAIN ALL NEC REQUIRED WORKING CLEARANCES FOR ALL ELECTRICAL EQUIPMENT.

ELECTRICAL EQUIPMENT KEYED NOTES:

1. (E) SERVICE ENTRANCE 'SES1'.
2. (E) SERVICE ENTRANCE 'SES2'.
3. (E) PANEL 'EDP'.
4. (E) PANEL 'LB1'.
5. (E) PANEL 'LKA'.
6. (E) PANEL 'LKB'.
7. (E) PANEL 'LKC'.
8. (E) PANEL 'HK'.
9. (E) PANEL 'HB1'.
10. (E) PANEL 'BMR'.
11. (E) SWITCHBOARD 'LDW'.
12. (E) SWITCHBOARD 'HA'.
13. (E) SWITCHBOARD 'LAB'.
14. (E) PANEL 'LAA'.
15. (E) PANEL 'LAA1'.
16. (E) PANEL 'LAC'.
17. (E) PANEL 'LEA'.
18. (E) PANEL 'EA'.
19. (E) PANEL 'HA1'.
20. (E) RELAY PANEL 'RPB1'.
21. (E) RELAY PANEL 'RPA'.
22. (N) PANEL 'LAD'.

KEYED NOTES:

1. (E) FIXTURE SHALL BE REMOVED.
2. (E) AREA LIGHT SHALL BE RELOCATED AS INDICATED. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
3. (E) FIXTURE SHALL REMAIN.
4. CONNECT (N) FIXTURE(S) TO (E) CIRCUIT AS INDICATED. EXTEND SWITCHED AND HOT LEGS.
5. LOW VOLTAGE PUSH BUTTON SWITCH. MATCH (E) SWITCH TYPE AND COLOR. SWITCH SHALL CONTROL CIRCUIT HK-20. PROVIDE LOW VOLTAGE CONDUCTORS BACK TO RELAY PANEL RPB1 AS REQUIRED.
6. PROVIDE (1) NEW RELAY IN (E) GE RELAY PANEL. CONNECT TO RELAY PANEL RPA (SCENE SHOP) OR RPB1 (KITCHEN AREA) AS REQUIRED. PROVIDE ALL CONDUCTORS AS REQUIRED.
7. (E) LOW VOLTAGE SWITCH SHALL REMAIN.
8. CONNECT (N) FIXTURE TO (E) CIRCUIT AS INDICATED. EXTEND UNSWITCHED LEG AS REQUIRED.
9. LOW VOLTAGE PUSH BUTTON SWITCH. MATCH (E) SWITCH TYPE AND COLOR. SWITCH SHALL CONTROL CIRCUIT HA-32. PROVIDE LOW VOLTAGE CONDUCTORS BACK TO RELAY PANEL RPA AS REQUIRED.
10. PROVIDE (N) 20A/1P CIRCUIT BREAKER IN (E) SPACE. MATCH (E) MANUFACTURER AND AIC RATING.
11. UNSWITCHED LEG IS FOR EMERGENCY LIGHTING BALLASTS AND EXIT SIGNS ONLY. ALL LIGHTING SHALL BE CONTROLLED BY THE LIGHTING CONTROL PANEL.



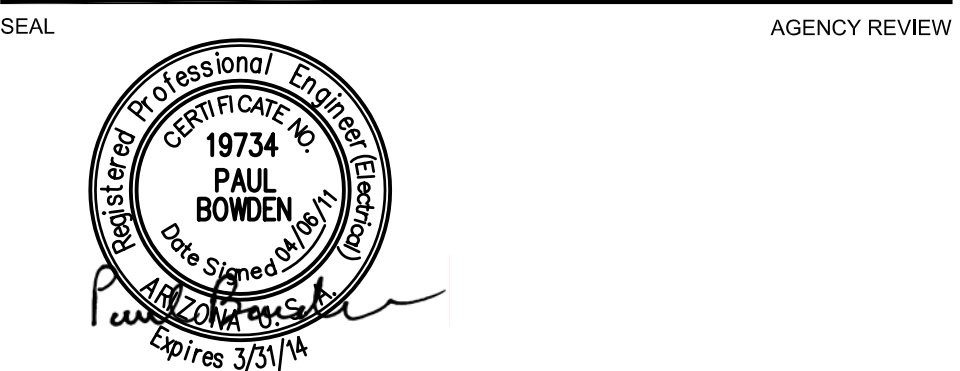
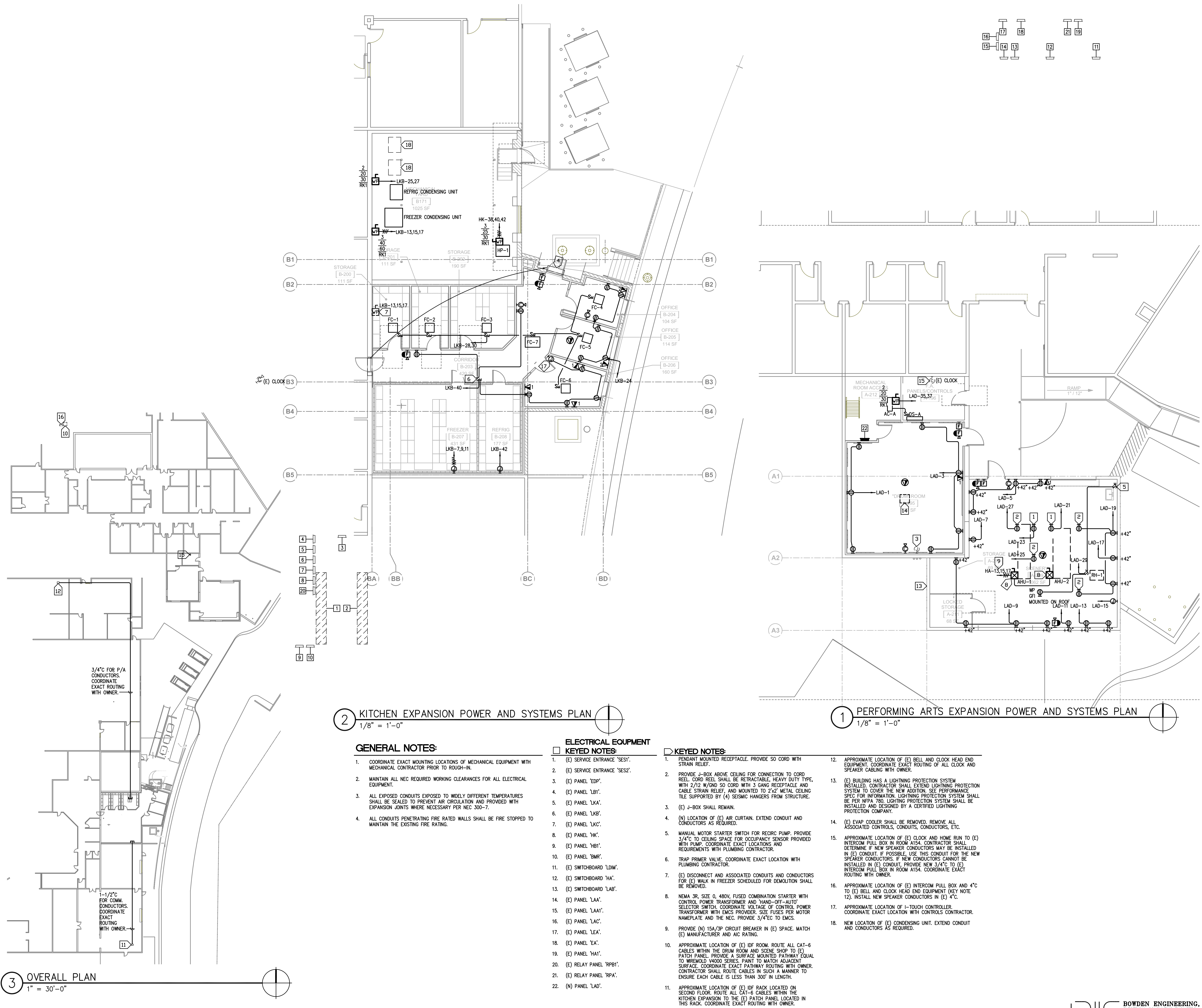
PROJECT: CFSD HIGH SCHOOL
KITCHEN AND PERFORMING
ARTS EXPANSION

DRAWING TITLE: LIGHTING PLANS

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
			MAJ	2010-0138-00 / 2010-0323-00
			CHECKED BY	DATE
			PWB	
			DRAWING NO.	

E1.1

BIE BOWDEN ENGINEERING, INC.
ELECTRICAL CONSULTING ENGINEERS
7337 E. Tanque Verde Road
Tucson, Arizona 85715
Voice (520)328-8020
Fax (520)328-8013
Job Number: 10097



PROJECT: CFSD HIGH SCHOOL
KITCHEN AND PERFORMING ARTS EXPANSION

DRAWING TITLE: **POWER AND SYSTEMS PLANS**

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1			MAJ	2010-0138-00 / 2010-0323-00
2			MAJ	
3			PWB	
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DRAWING NO. **E1.2**

BIE BOWDEN ENGINEERING, INC.
ELECTRICAL CONSULTING ENGINEERS
7337 E. Tanque Verde Road
Tucson, Arizona 85715
Voice (520)328-8020 Fax (520)328-8013
Job Number: 10097