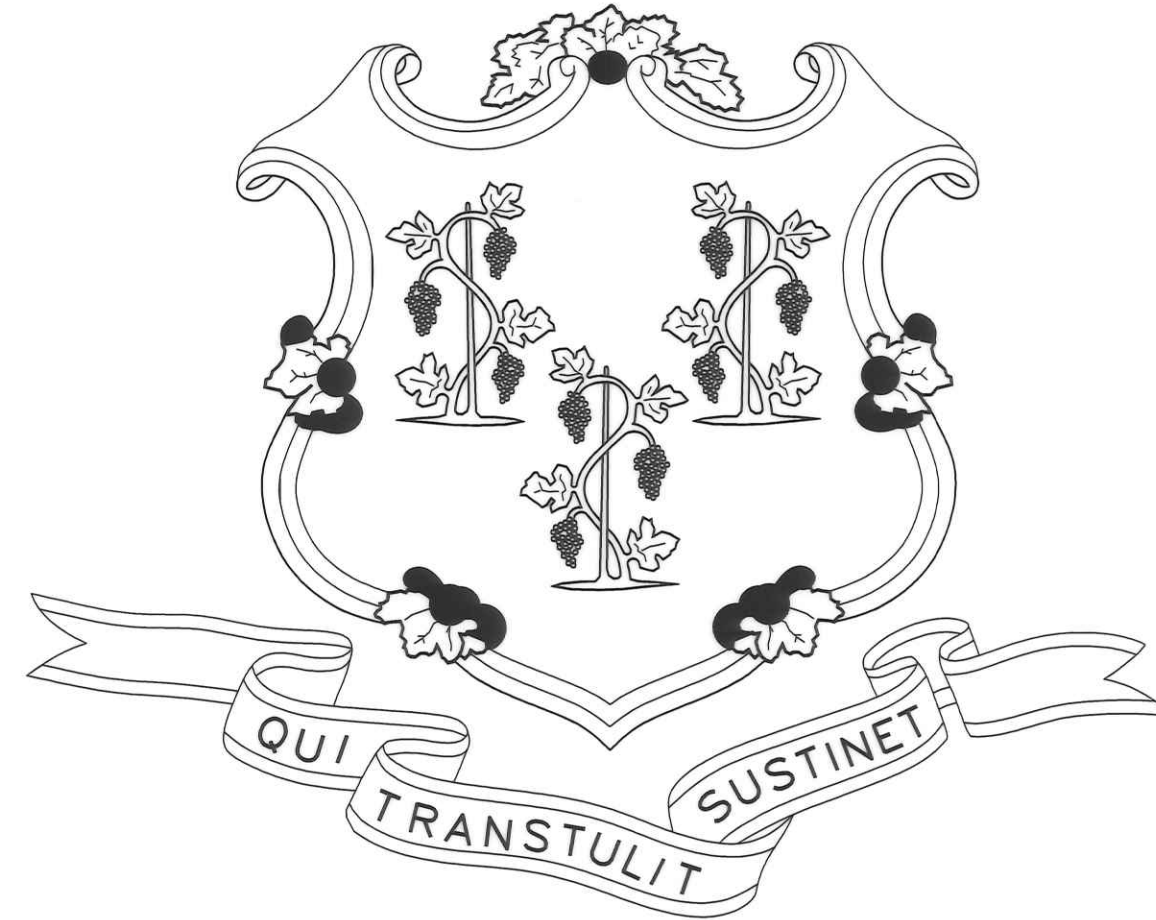


# STATE OF CONNECTICUT



**DANNEL P. MALLOY GOVERNOR**

DEPARTMENT OF ADMINISTRATIVE SERVICES  
MELODY A. CURREY  
COMMISSIONER

DEPARTMENT OF EDUCATION  
DIANNA R. WENTZELL  
COMMISSIONER

21 HAYESTOWN AVE  
HENRY ABBOTT THS NEW GARAGE BUILDING  
DANBURY, CONNECTICUT

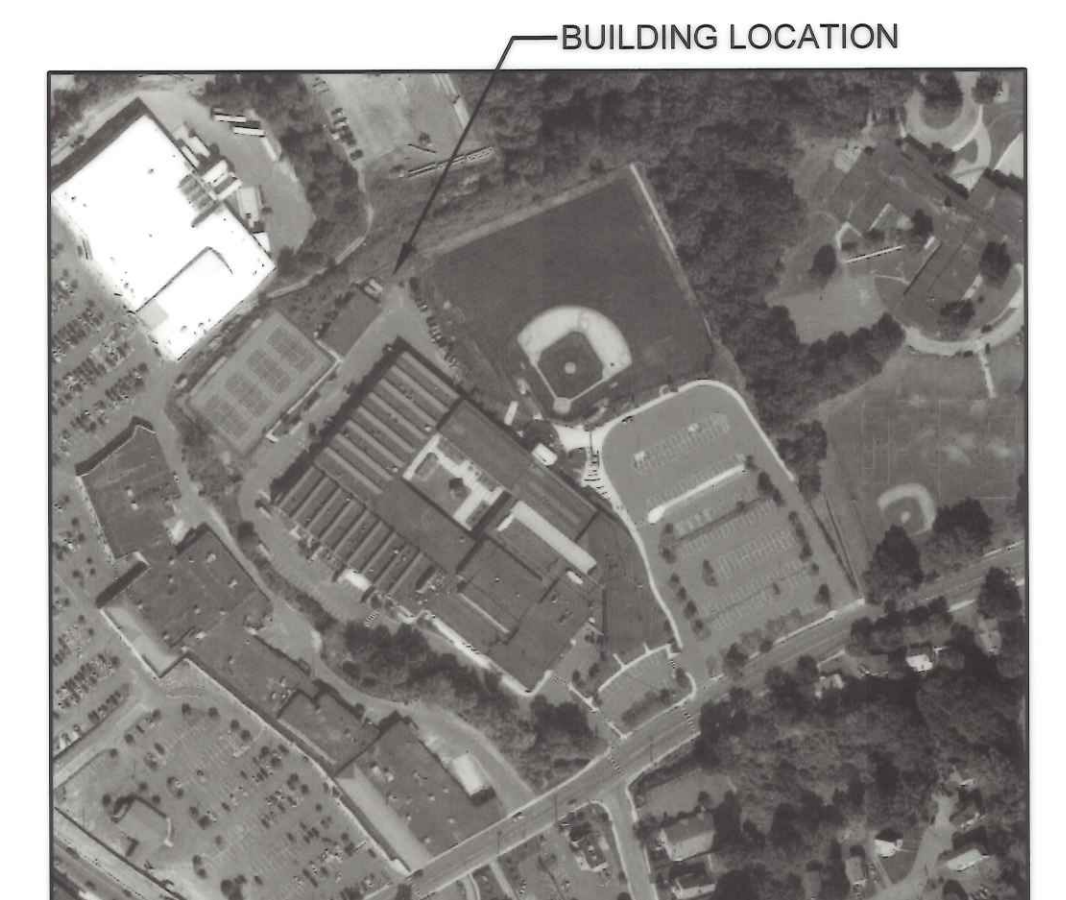
PROJECT NO. BI-RT-888

BID DOCUMENT SUBMISSION  
AUGUST 21, 2018  
CLOHESSY HARRIS & KAISER, LLC  
573 HOPMEADOW STREET  
SIMSBURY, CT, 06070  
860.651.3777

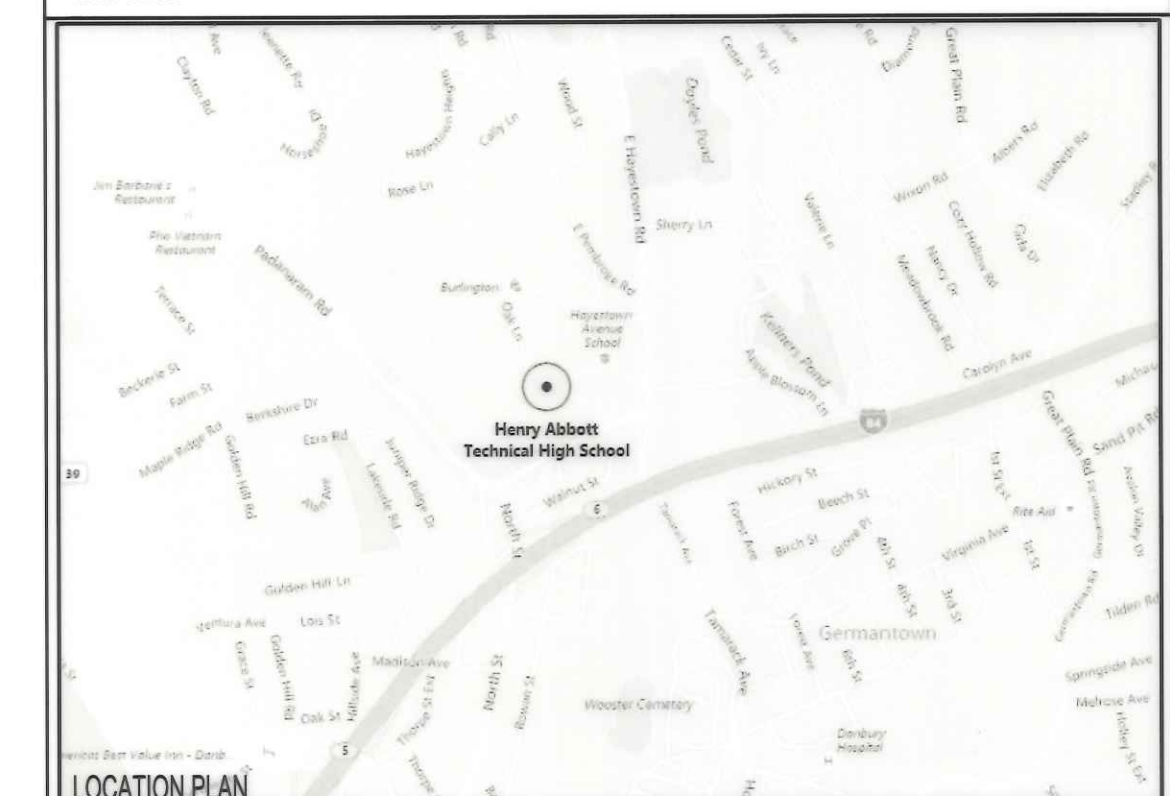
## CONTRACT DRAWINGS

NO.	TITLE
	COVER SHEET
C101	CODE DATA AND EGRESS PLAN
C.01	SITE PLAN
C.02	SITE DETAILS
A1.01	FLOOR PLAN, ELEVATIONS AND BUILDING SECTIONS
A1.02	BUILDING SECTION AND WALL SECTIONS
A1.03	DOOR SCHEDULE AND DETAILS
S1.01	FOUNDATION PLAN
S2.01	STRUCTURAL SECTIONS
E1.01	ELECTRICAL PLAN

D.C.S LAND NUMBER 01808  
D.C.S MAIN BUILDING NUMBER 07344



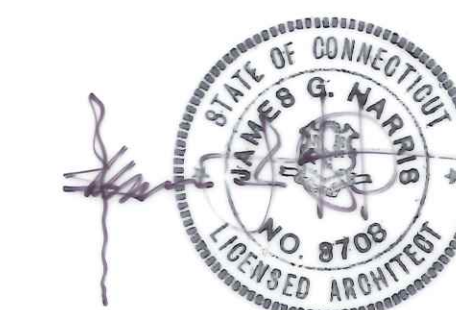
SITE PLAN

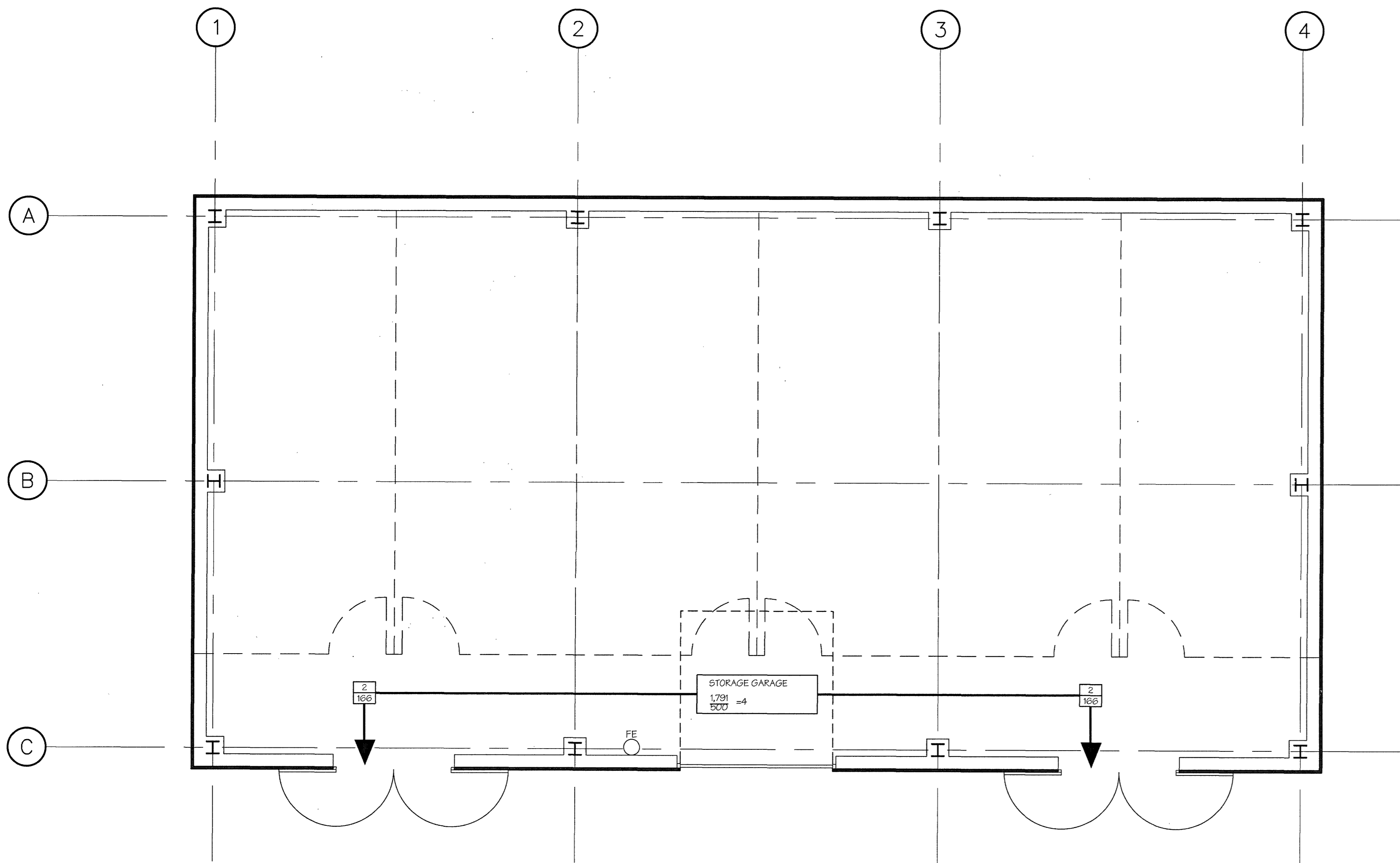


LOCATION PLAN

## APPROVALS

*Jessie M. Fatone* 8-23-18  
DEPT. OF ADMINISTRATIVE SERVICES DATE  
*Dannel P. Malloy* 8/23/18  
AGENCY DATE





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

**APPLICABLE CODES**

ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING APPLICABLE CODES:

EXISTING BUILDING CODE	2012 International Existing Building Code
STATE BUILDING CODE	2016 State of Connecticut Building Code
EXISTING FIRE/ SAFETY CODE	2012 NFPA 101 Life Safety Code
BUILDING/ DWELLING CODE	2016 Connecticut State Building Code
STRUCTURAL CODE	2016 Connecticut State Building Code
PLUMBING CODE	2012 International Plumbing Code
MECHANICAL CODE	2012 International Mechanical Code
ELECTRICAL CODE	2014 National Electrical Code (NFPA 70)
FIRE/ SAFETY CODE	2016 Connecticut Fire Safety Code 2012 ICC- International Fire Code (IFC), NFPA 1 Fire Code- 2012 Edition (New Construction, Renovations or Change of Use)
ACCESSIBILITY CODE	ICC/ANSI A117.1-2009 Accessible and Usable Building and Facilities
ENERGY CODE	2012 International Energy Conservation Code
GAS CODE	2016 Connecticut Fire Safety Code; NFPA 2, 54 & 58 -2012 Edition
ELEVATORS AND ESCALATORS	CGS Sections 29-192-1d to 29-192-6d; ASME A17.1-1996; ASME A17.1a-1997- Addenda; ASME A17.1b-1998- Addenda; ANSI A10.4-1990
BOILER CODE	N/A
DEPT. OF HEALTH CODE	N/A

- NOTE:**
- A. PLEASE DO NOT SCALE DRAWINGS. PLEASE USE DIMENSIONS.
  - B. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND SHALL BE RESPONSIBLE FOR SAME.
  - C. THESE DOCUMENTS ARE THE SOLE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED FOR CONSTRUCTION ON ANY OTHER SITE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
  - D. CONSTRUCTION DOCUMENTS ARE TO BE USED AS A COMPLETE SET. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ERRORS OR MISINTERPRETATIONS RESULTING FROM THE USE OF AN INCOMPLETE SET OF DOCUMENTS. CONTRACT DOCUMENTS ARE COMPLIMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL.

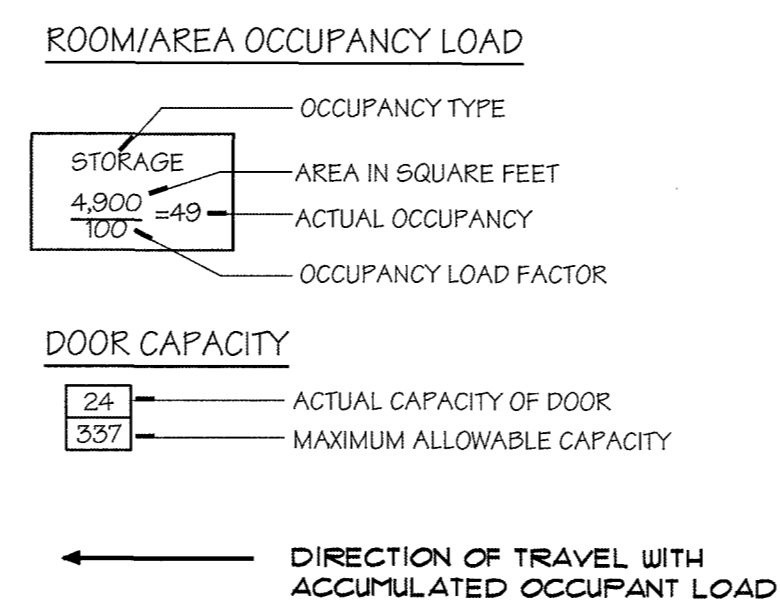
**CODE DATA NOTES**

1. A VALUE OF 0.2 INCHES OF WIDTH PER OCCUPANT HAS BEEN USED TO CALCULATE DOOR AND CORRIDOR EGRESS CAPACITY. IN ALL CASES, THE ACTUAL CLEAR OPENING OF THE DOORS AND ACTUAL CLEAR WIDTH OF CORRIDORS IS USED.
2. A VALUE OF 0.3 INCHES OF WIDTH PER OCCUPANT HAS BEEN USED TO CALCULATE STAIR EGRESS CAPACITY.

**DOOR CLEAR OPENING AND OCCUPANT TABLE**

3'-0" DOOR	= 33.25' / .2 = 166 OCCUPANTS
3'-4" DOOR	= 37.25' / .2 = 186 OCCUPANTS
3'-6" DOOR	= 39.25' / .2 = 196 OCCUPANTS
4'-0" DOOR	= 45.25' / .2 = 226 OCCUPANTS
PAIR 3'-0" DOORS	= 67.5' / .2 = 337 OCCUPANTS

**CODE DATA LEGEND**

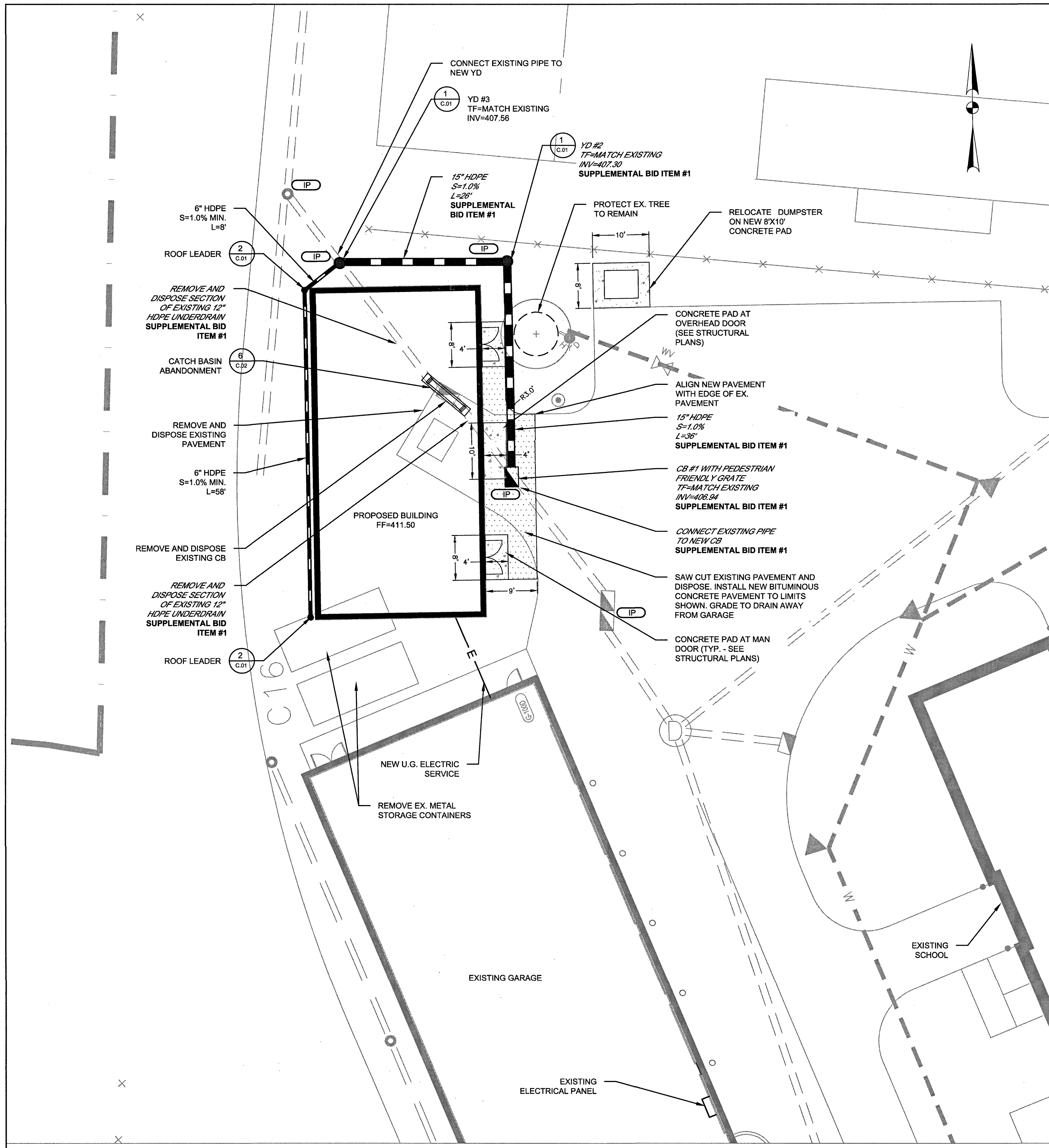


**CODE DATA**

- I. USE GROUP: (302.1) S-2 (LOW HAZARD STORAGE)
- II. CONSTRUCTION CLASSIFICATION: (602.1) 11B (NONCOMBUSTIBLE)
- III. HEIGHT and AREA LIMITATIONS: (503.0 - 508.0)
  - A. Allowable area per floor:
    - 1. Per Table 503 26,000 SF
    - 2. Open Perimeter (506.2 - 75% increase) 8,580 SF
    - 3. Auto Sprinkler Sys. increase (506.3) (200% increase) N/A
  - Total allowable area per floor: 34,580 SF
  - B. Proposed Area Calculations:
    - Storage Building 1,792 SF.
  - C. Number of Stories:
    - 1. Per Table 503 3 Stories
    - 2. Total number of stories proposed: 1 Story
  - D. Height:
    - 1. Per Table 503 55 Feet
    - 3. Total Height Proposed: 13.5 Feet
- IV. FIRE RESISTANCE RATINGS of STRUCTURAL ELEMENTS - (Table 601 & 602)
  - A. Structural frame (including columns, girders & trusses) 0 hour
  - B. Loadbearing walls (Exterior) 0 hour (Interior) 0 hour
  - C. Non loadbearing walls & partitions (Exterior) 0 hour (Interior) 0 hour
  - D. Floor construction (including supporting beams & joists) 0 hour
  - E. Roof construction (including supporting beams & joists) 0 hour
- V. INTERIOR WALL & CEILING FINISH REQUIREMENTS - (Table 803.5)
  - B Use Group:
    - A. Vertical Exits - Class B (Flame Spread 26-75; Smoke Developed 0-450)
    - B. Exit Access Corridors - Class C (Flame Spread 76-200; Smoke Developed 0-450)
    - C. Rooms/Enclosed Spaces - Class C (Flame Spread 76-200; Smoke Developed 0-450)
- VI. INTERIOR FLOOR FINISH REQUIREMENTS - (Table 804.5.1)
  - A. Vertical Exits, Exit Passageways and Exit Access Corridors - Class II
- VII. OCCUPANCY LOAD
  - Allowable per code (Table 1004.1.2)
    - First Floor: 1,792 SF. / 500 = 4 Occupants
- VIII. EGRESS WIDTH PER OCCUPANT (Table 1005.1)
  - STAIRS (.3" PER PERSON)
  - Stairs: (44" min. per sect 1009.1)
  - DOORS, RAMPS AND CORRIDORS (.2" PER PERSON)
  - Doors: (32" clear min. per sect 1008.1.1)
  - Ramps: (44" min. per sect. 1010.5.1 and 1016.2)
  - Corridors: (44" min. per sect. 1016.2)



drawing title <b>CODE DATA AND EGRESS PLAN</b>			<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by <b>CLOHESSY HARRIS &amp; KAISER, LLC</b> 573 HOPMEADOW SREET SIMSBURY, CT	
mark	date	description	date	drawn by
1	2/28/18	CS/ID SUBMISSION	2/28/18	RAM
2	5/8/18	CS/ID RESUBMISSION	5/8/18	approved by JH
3	6/4/18	CD SUBMISSION	6/4/18	drawing no.
4	8/21/18	FINAL BID DOCUMENTS		<b>C1.01</b>
CAD no. 031739200017392.DWG			project no. BI-RT-888	

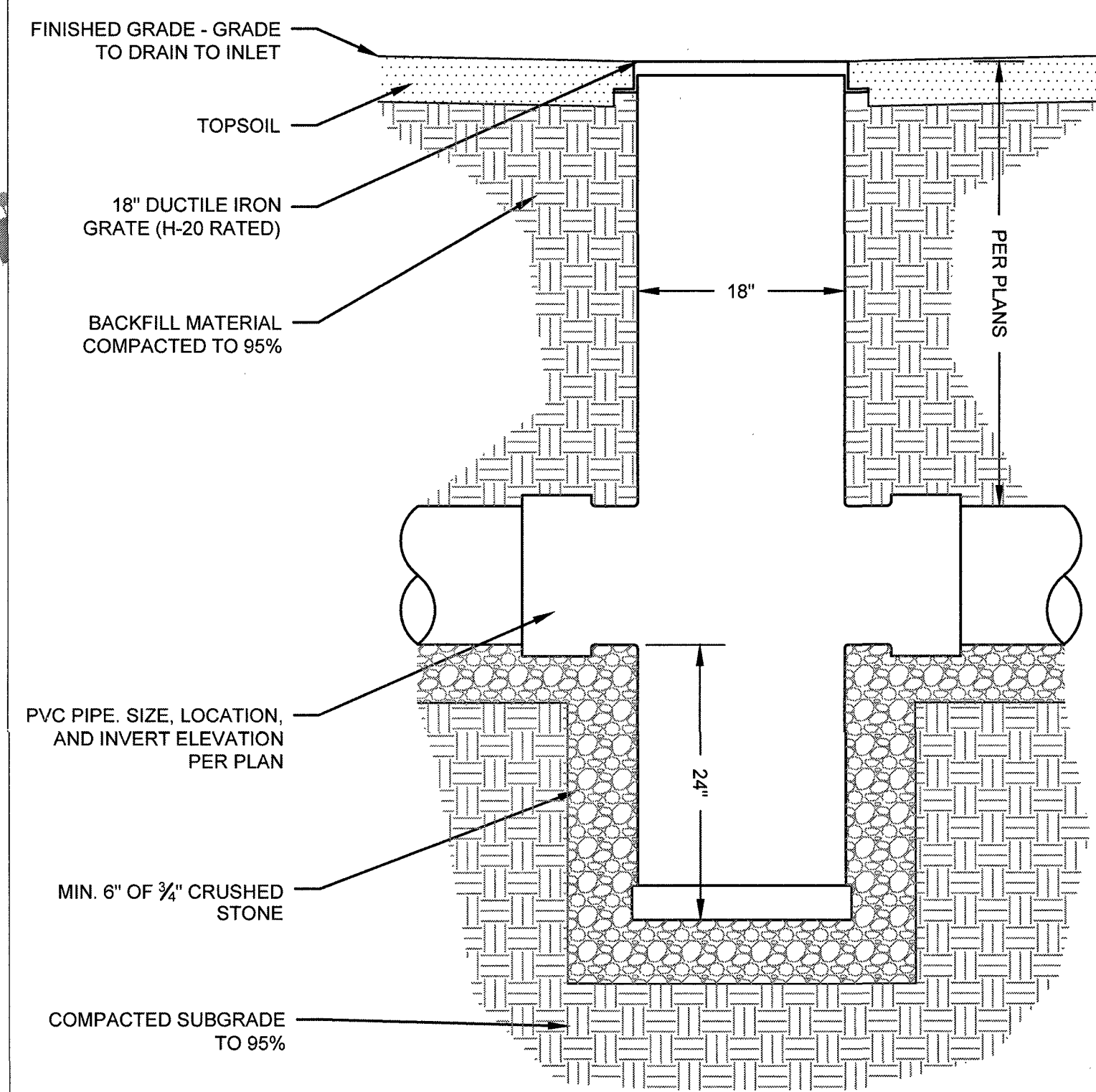
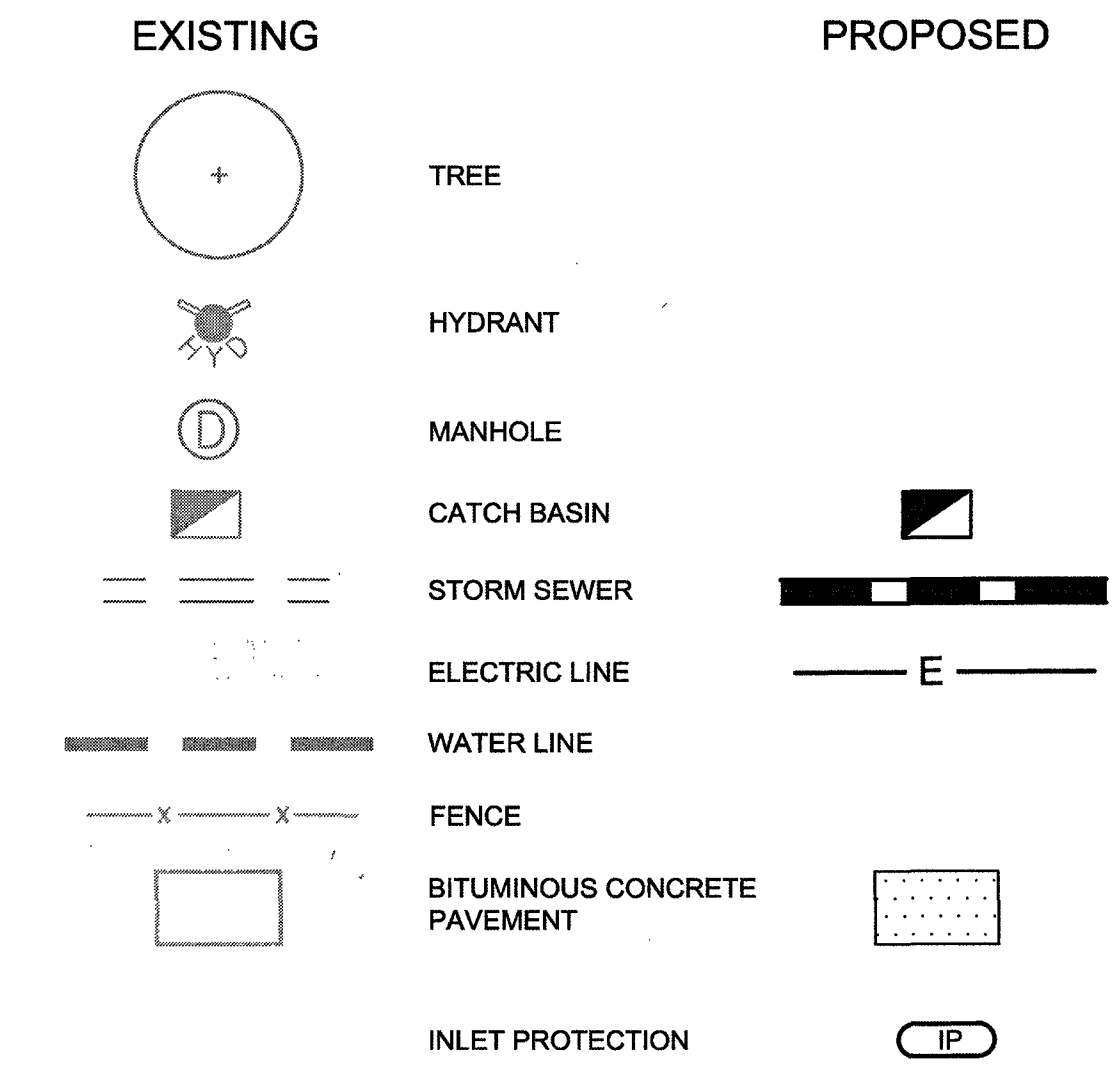


**PLAN**  
1"=10'

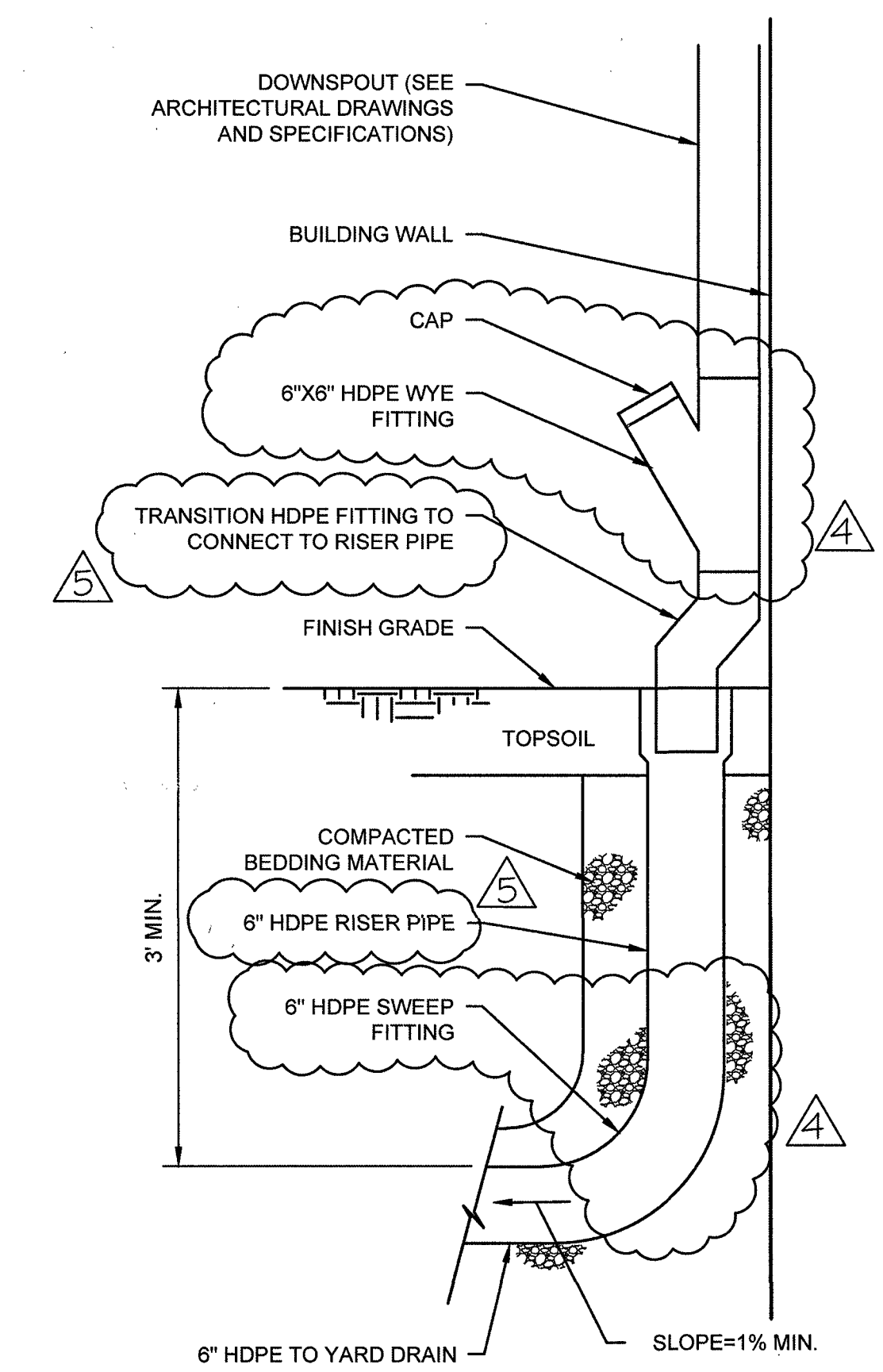
**GRADING AND UTILITY NOTES**

1. CONTRACTOR TO VERIFY CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS PRIOR TO THE START OF CONSTRUCTION.
3. ALL EXISTING UTILITY FRAMES, VALVE COVERS, MANHOLES ETC. SHALL BE ADJUSTED TO MEET PROPOSED GRADES AS REQUIRED.
4. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLAN SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
5. ANY DAMAGE TO EXISTING UTILITIES WHICH OCCURS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING REQUIRED FOR CONSTRUCTION.
6. AFTER THE SITE IS STABILIZED THE CONTRACTOR SHALL CLEAN OUT ALL EXISTING STORM DRAINS AND CATCH BASINS.
7. ALL DISTURBED AREAS SHALL BE PROVIDED WITH A MINIMUM OF 6" OF APPROVED TOPSOIL, SEEDED, AND MAINTAINED AS OUTLINED IN THE SPECIFICATIONS.

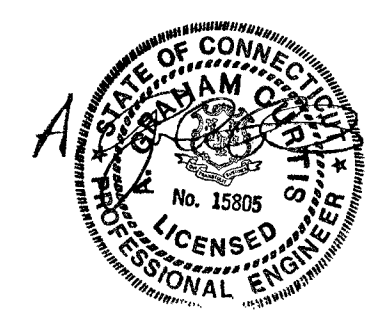
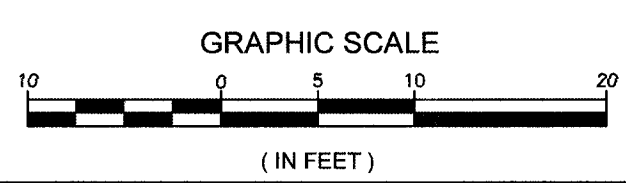
**LEGEND**



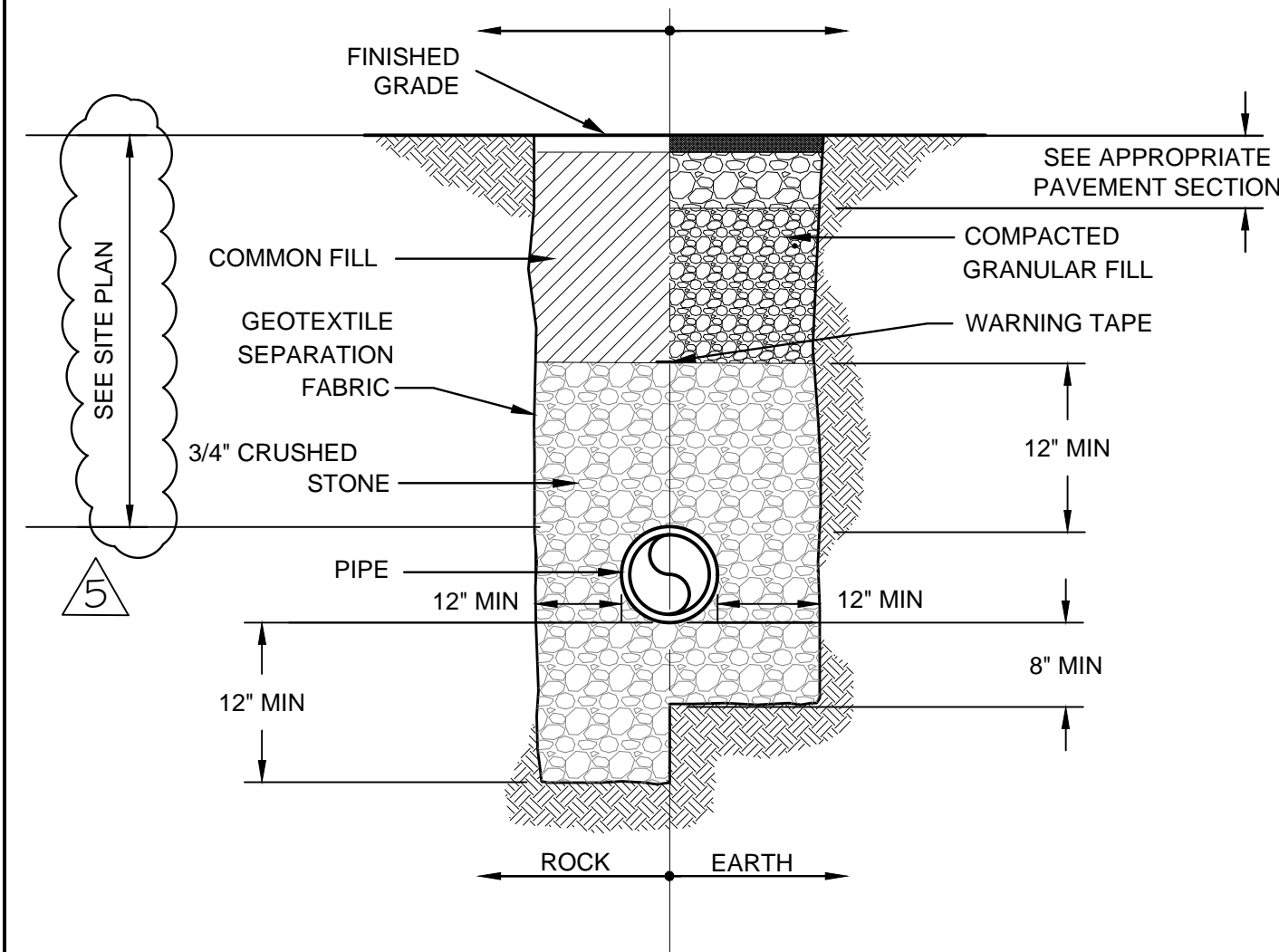
**1 PVC YARD DRAIN BASIN**  
NTS



**2 ROOF LEADER DETAIL**  
NTS

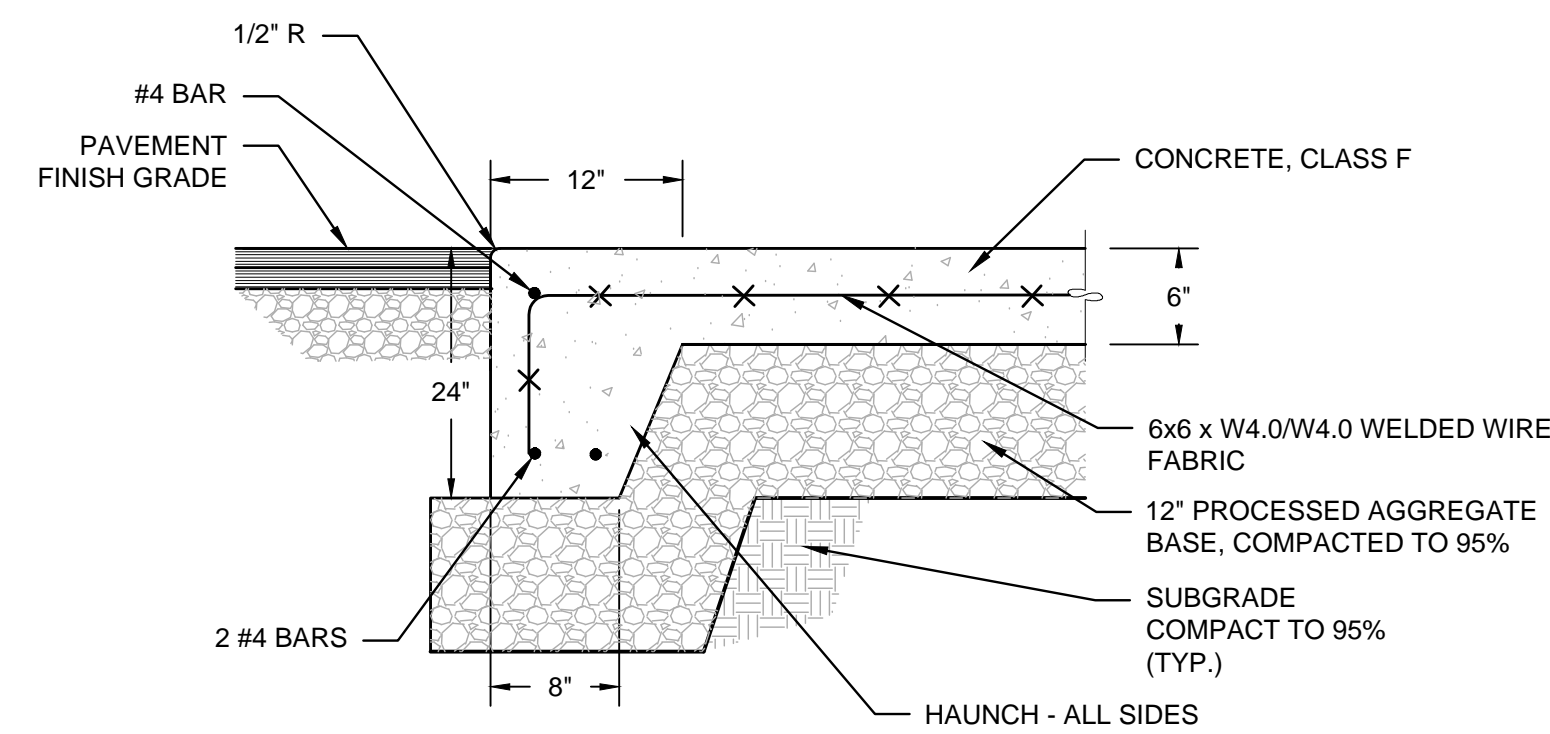


drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
SITE PLAN			drawing prepared by	
REVISIONS			DTC, INC.	
mark	date	description	2321 Whitney Avenue, Suite 301 Hamden, CT	
1	2/28/18	SD/DO SUBMISSION	date 2/28/18	
2	5/8/18	SD/DO RESUBMISSION	scale 1"=10'	
3	6/4/18	CD SUBMISSION	project	
4	8/20/18	OSBI COMMENT	21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT	
5	8/21/18	FINAL BID DOCUMENTS	approved by JAB	
drawing no.			drawing no.	
C.01			C.01	
CAD no.			project no. BI-RT-888	



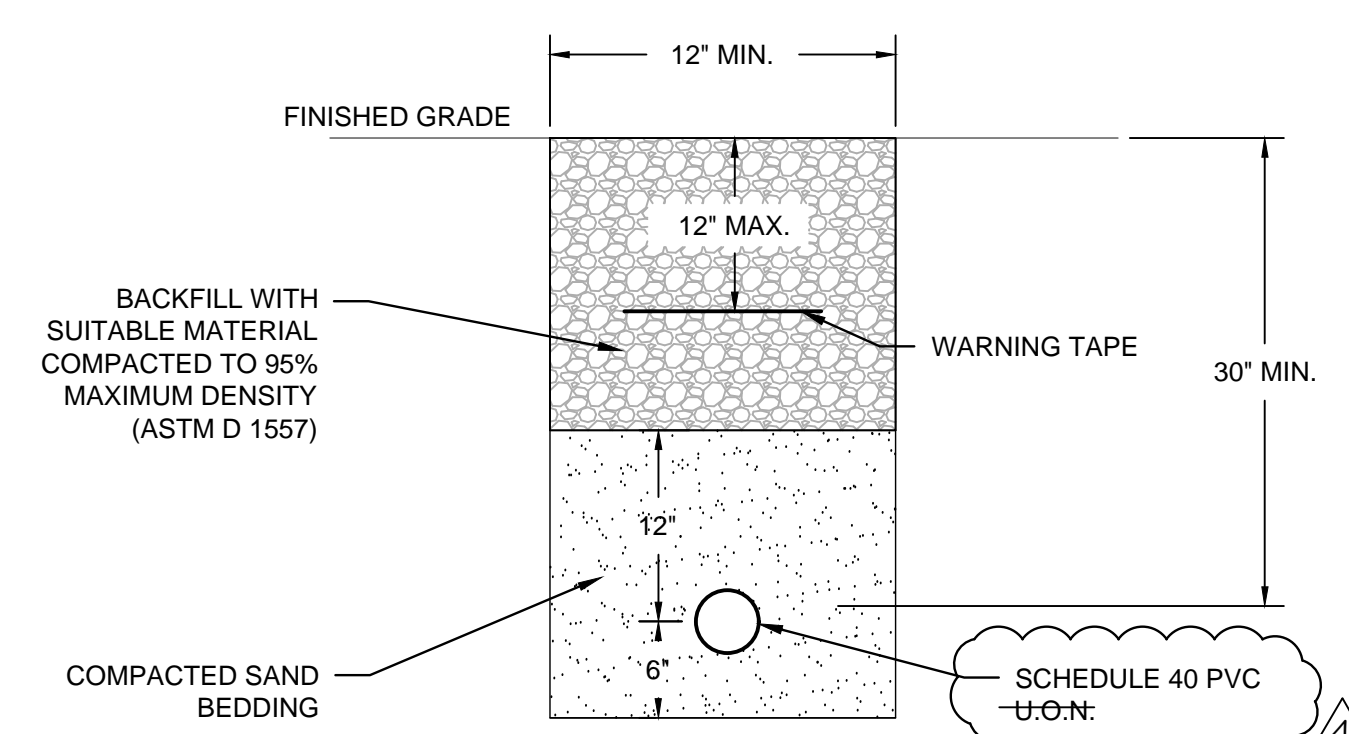
**1** TYPICAL PIPE TRENCH DETAIL

NTS



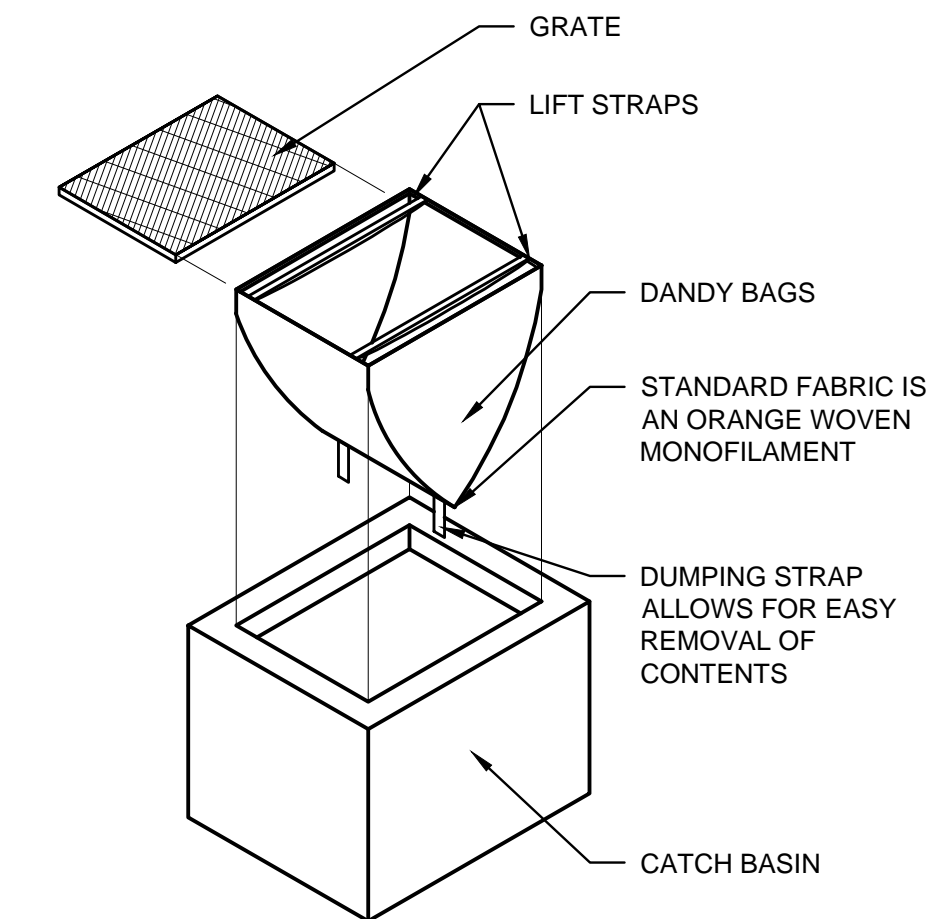
**2** CONCRETE DUMPSTER PAD

NTS

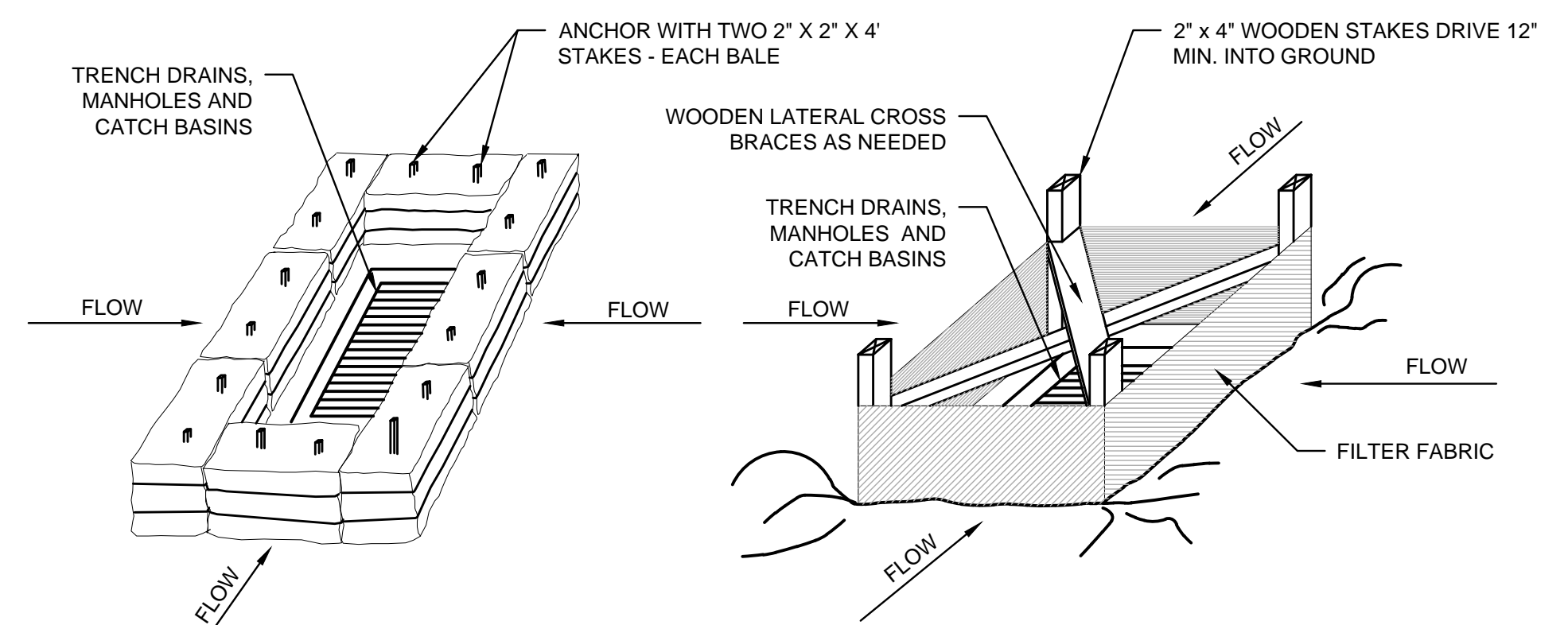


**5** ELECTRICAL TRENCH DETAIL

NTS

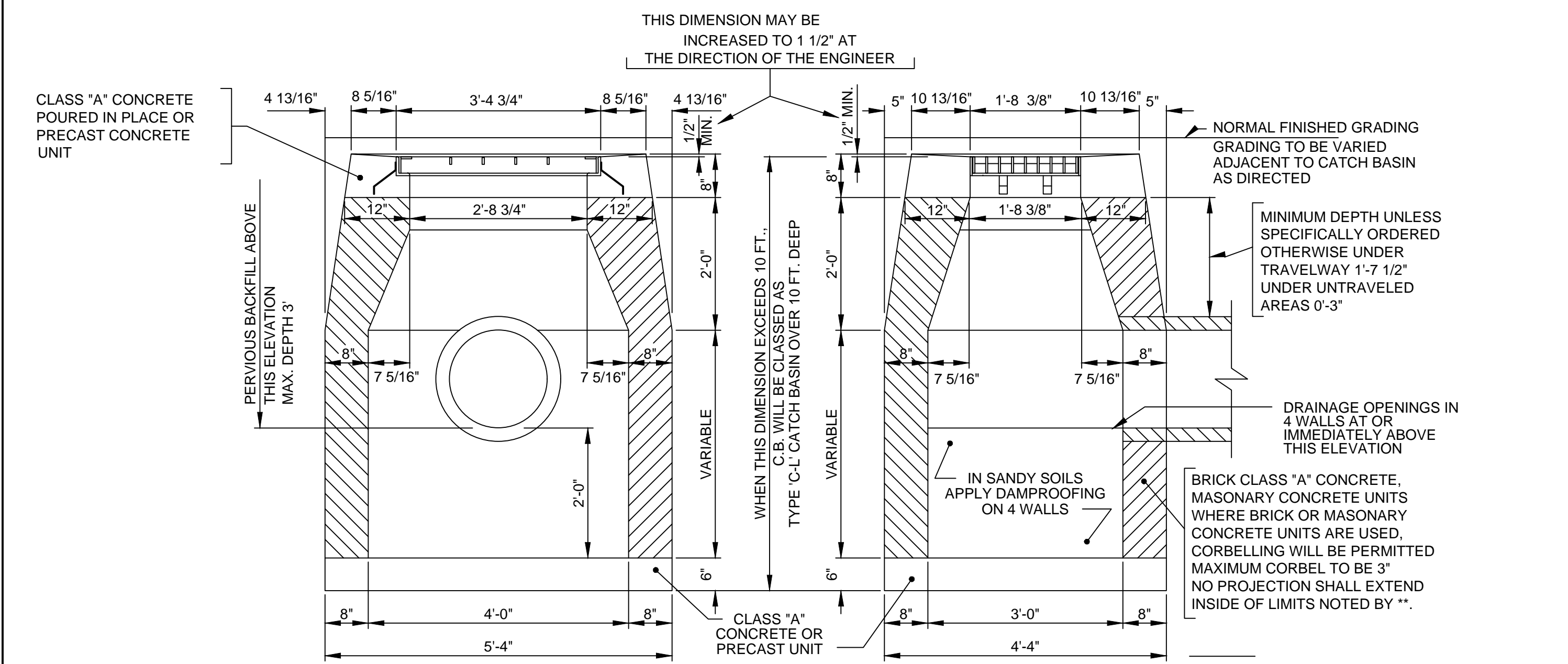


USE SILT SACK OR EQUIVALENT ON PAVED AREAS



**7** INLET PROTECTION

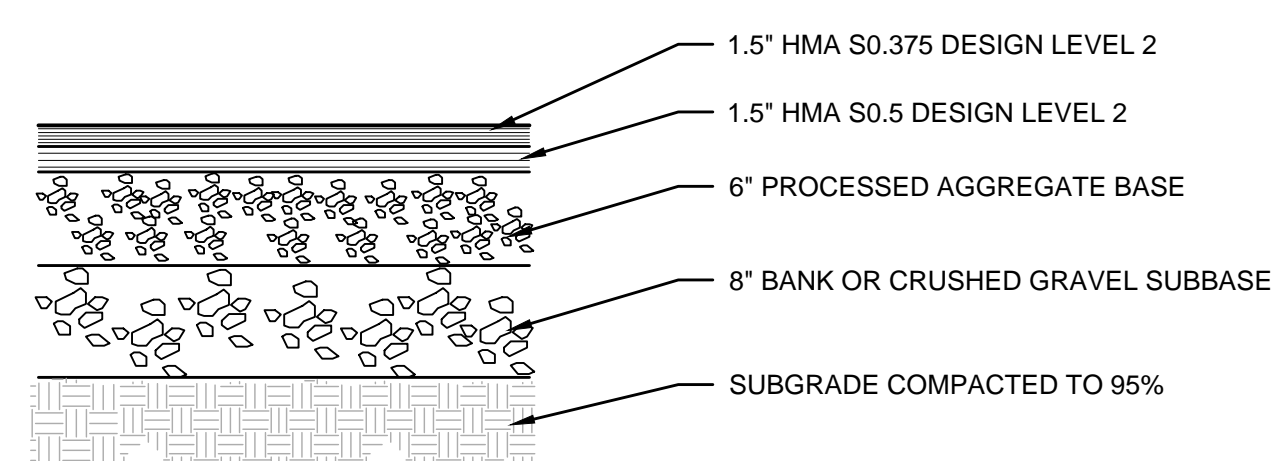
NTS



**NOTES**  
 WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6\"/>

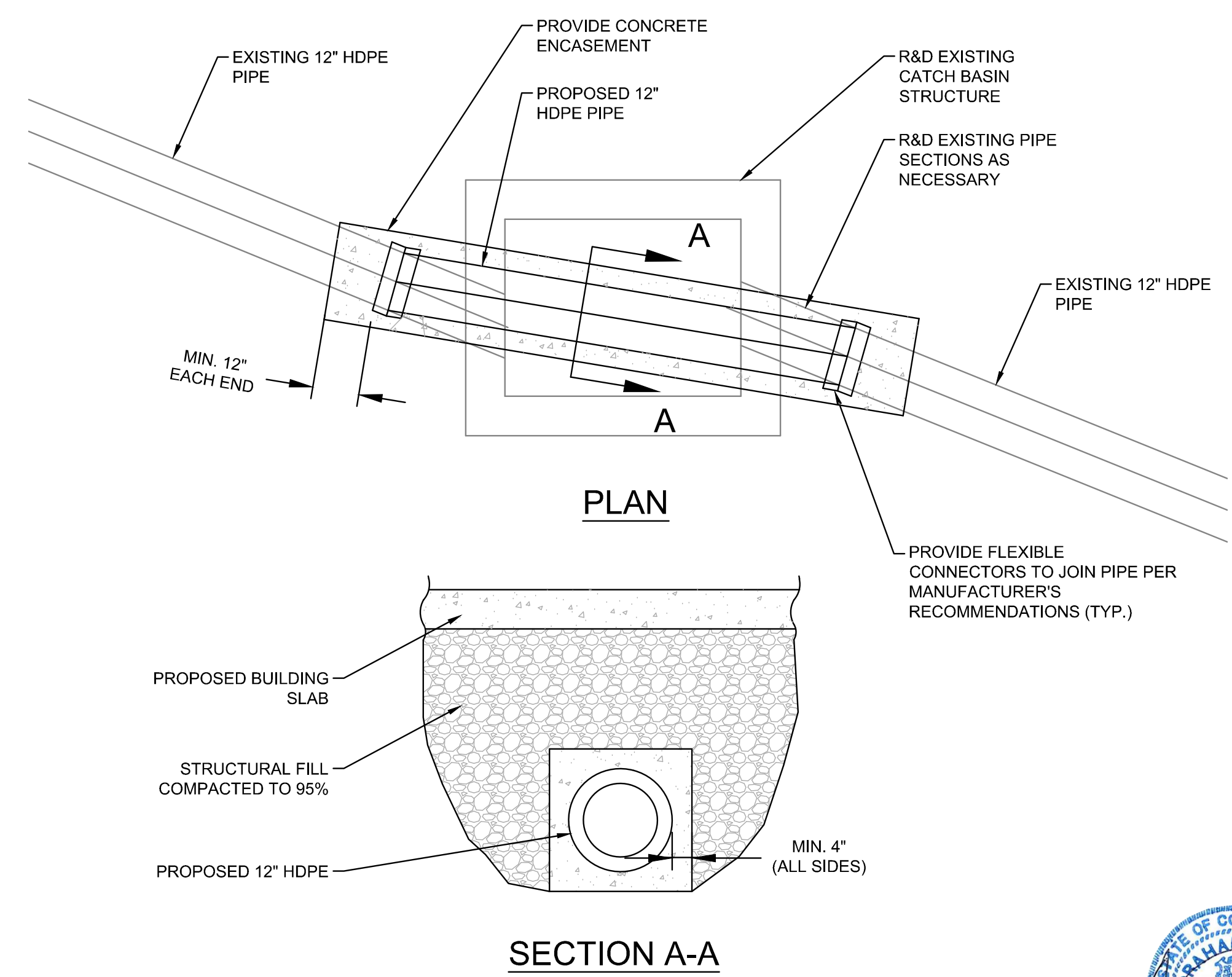
**3** TYPE 'C-L' CATCH BASIN - SUPPLEMENTAL BID ITEM NO. 1

NTS



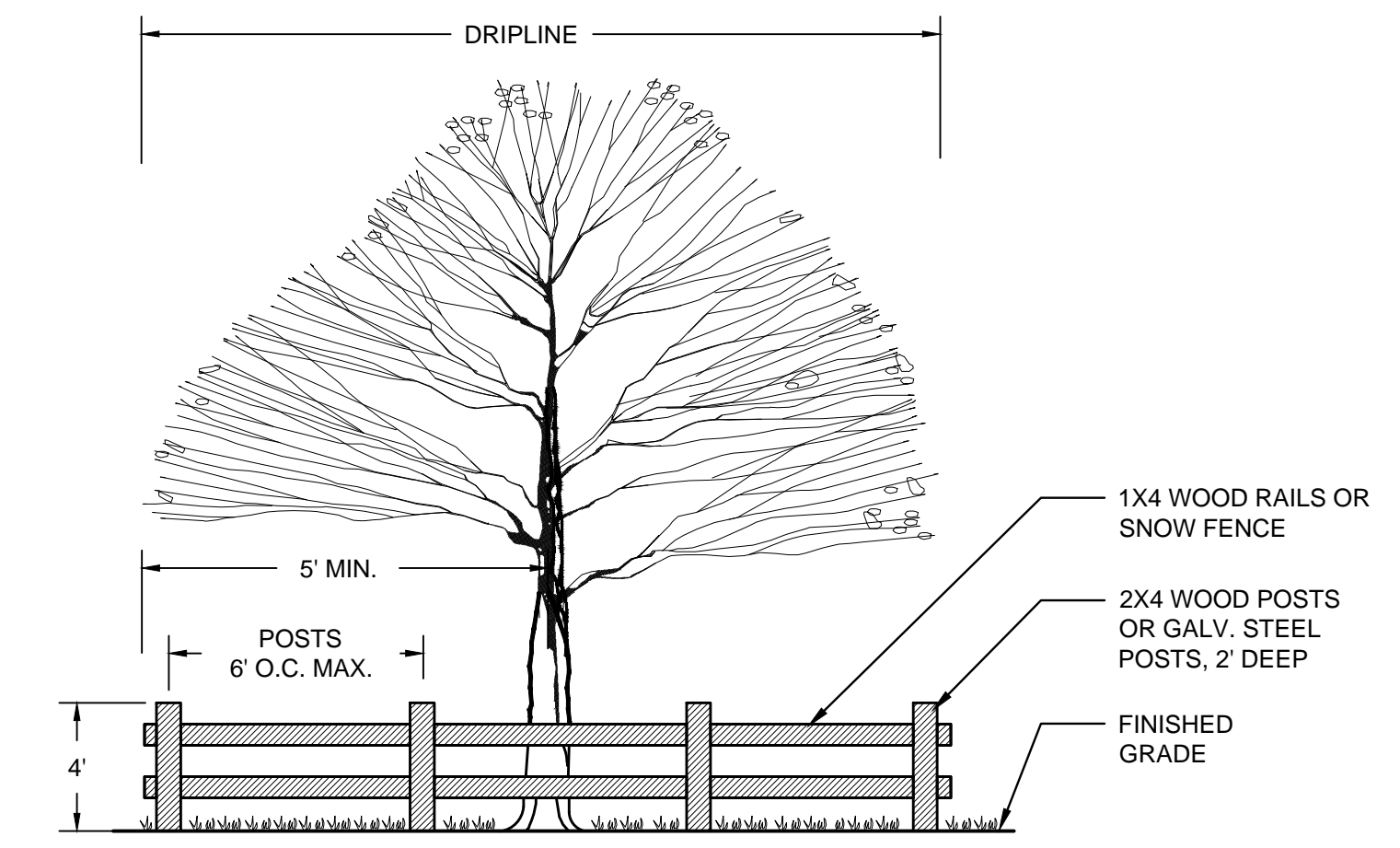
**4** BITUMINOUS CONCRETE PAVEMENT

NTS



**6** CATCH BASIN ABANDONMENT

NTS



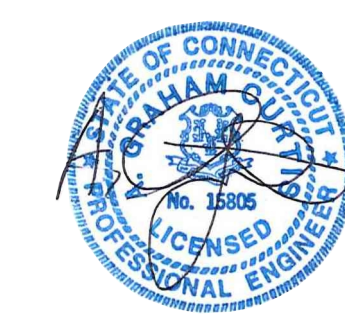
**8** TREE PROTECTION

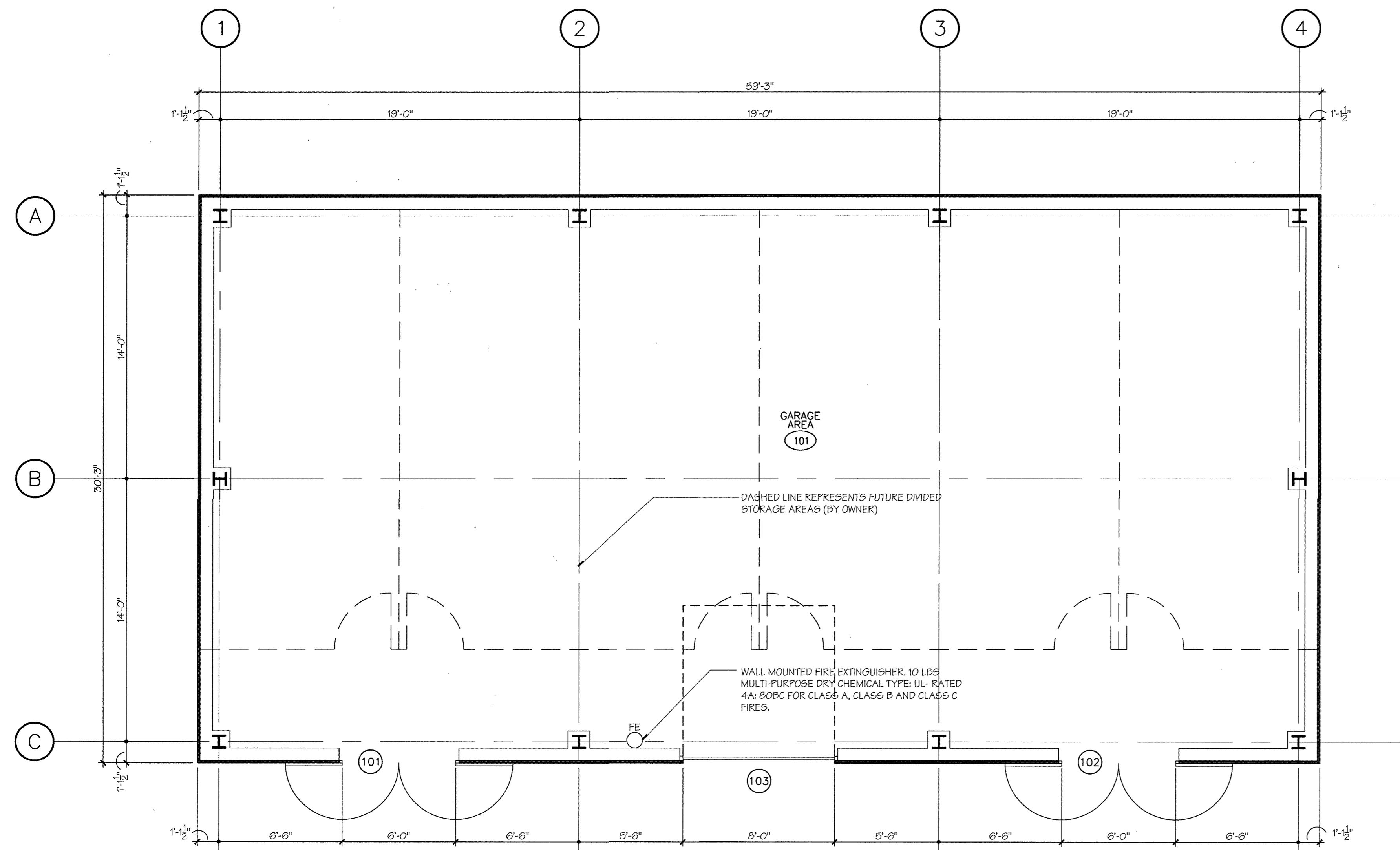
NTS

**NOTES:**  
 1. THE CLEAN FILL SHALL PASS THROUGH A 3/8\"/>

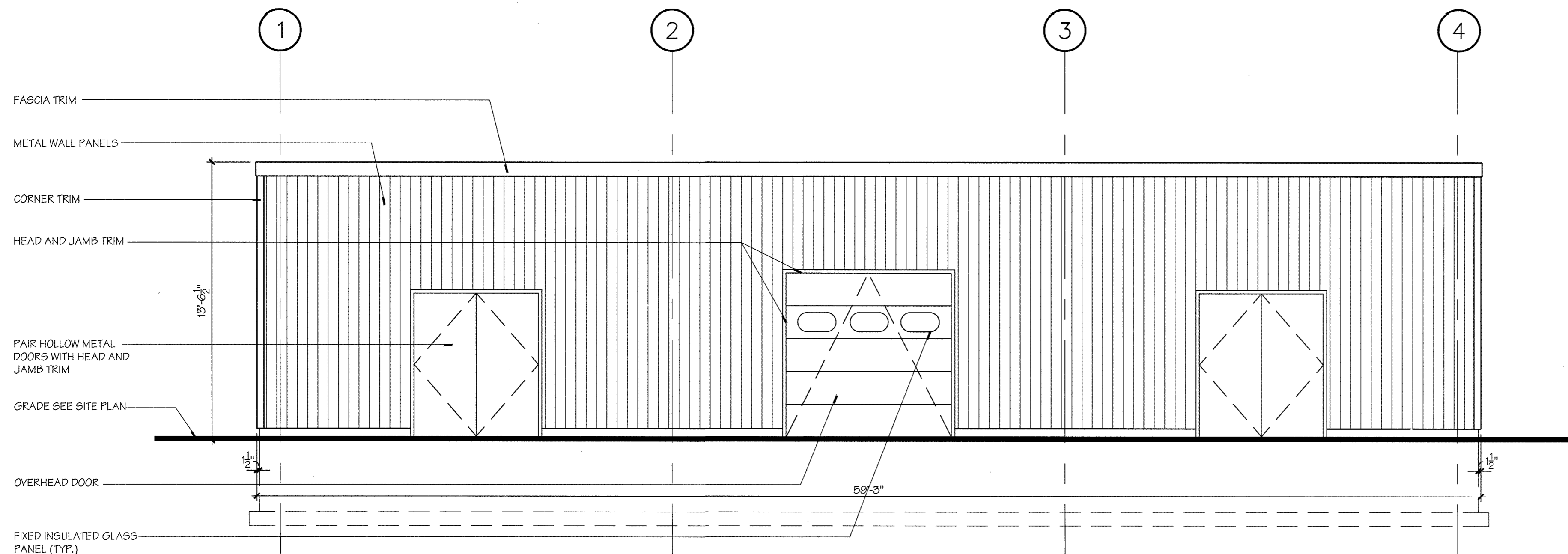
**NOTES:**  
 1. PROVIDE BARRICADE AROUND EXISTING TREES TO REMAIN UNDISTURBED.  
 2. CONTRACTOR SHALL REMOVE AND DISPOSE BARRIER AT THE CONCLUSION OF CONSTRUCTION.

SITE DETAILS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing title		drawing prepared by	
drawing title		DTC, INC.	
drawing title		2321 Whitney Avenue, Suite 301 Hamden, CT	
drawing title		date	
drawing title		2/28/18	
drawing title		scale	
drawing title		AS NOTED	
drawing title		drawing no.	
drawing title		GM	
drawing title		approved by	
drawing title		JAB	
drawing title		drawing no.	
drawing title		C.02	
drawing title		project no.	
drawing title		BI-RT-888	
drawing title		CAD no.	
drawing title		project no.	
drawing title		BI-RT-888	

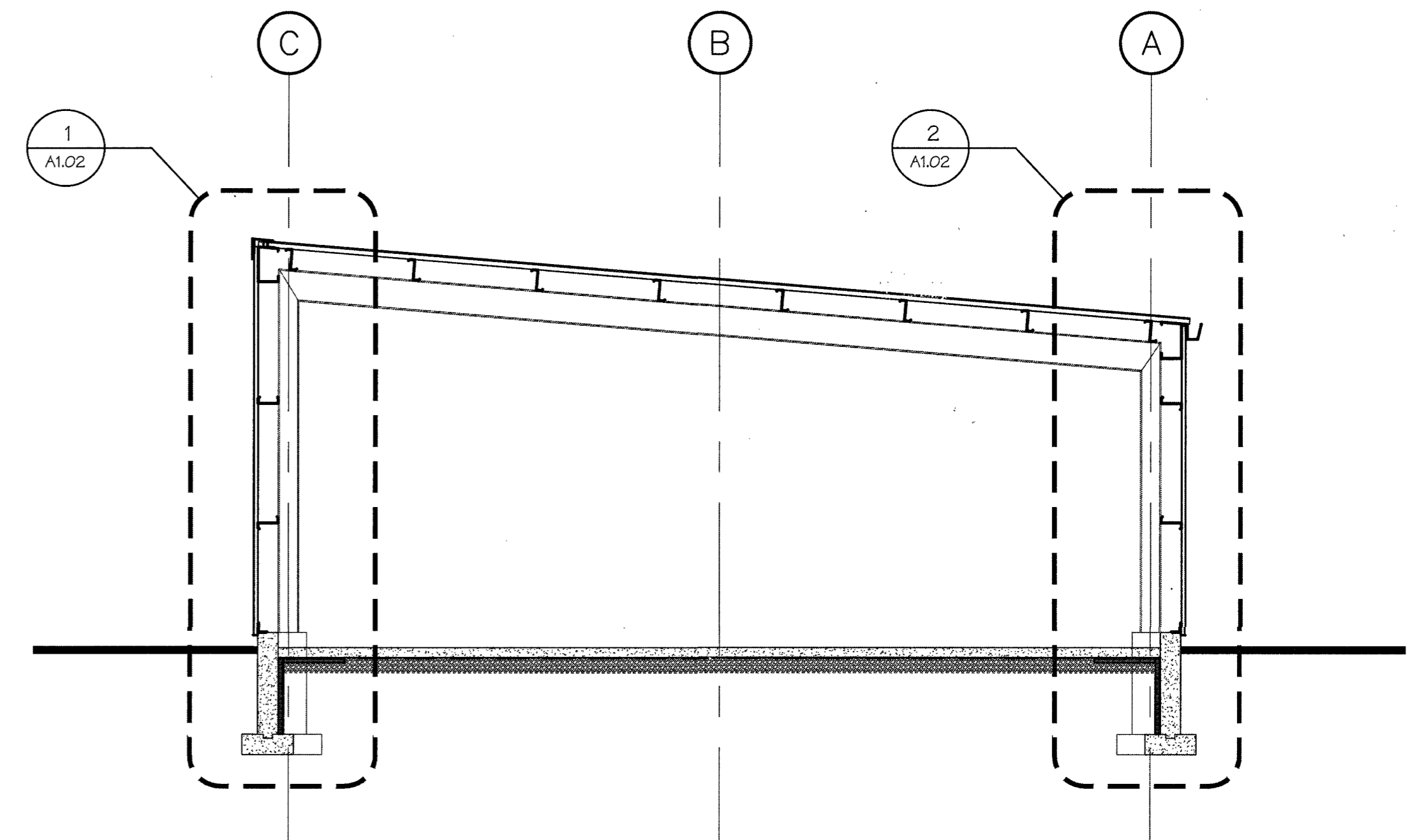




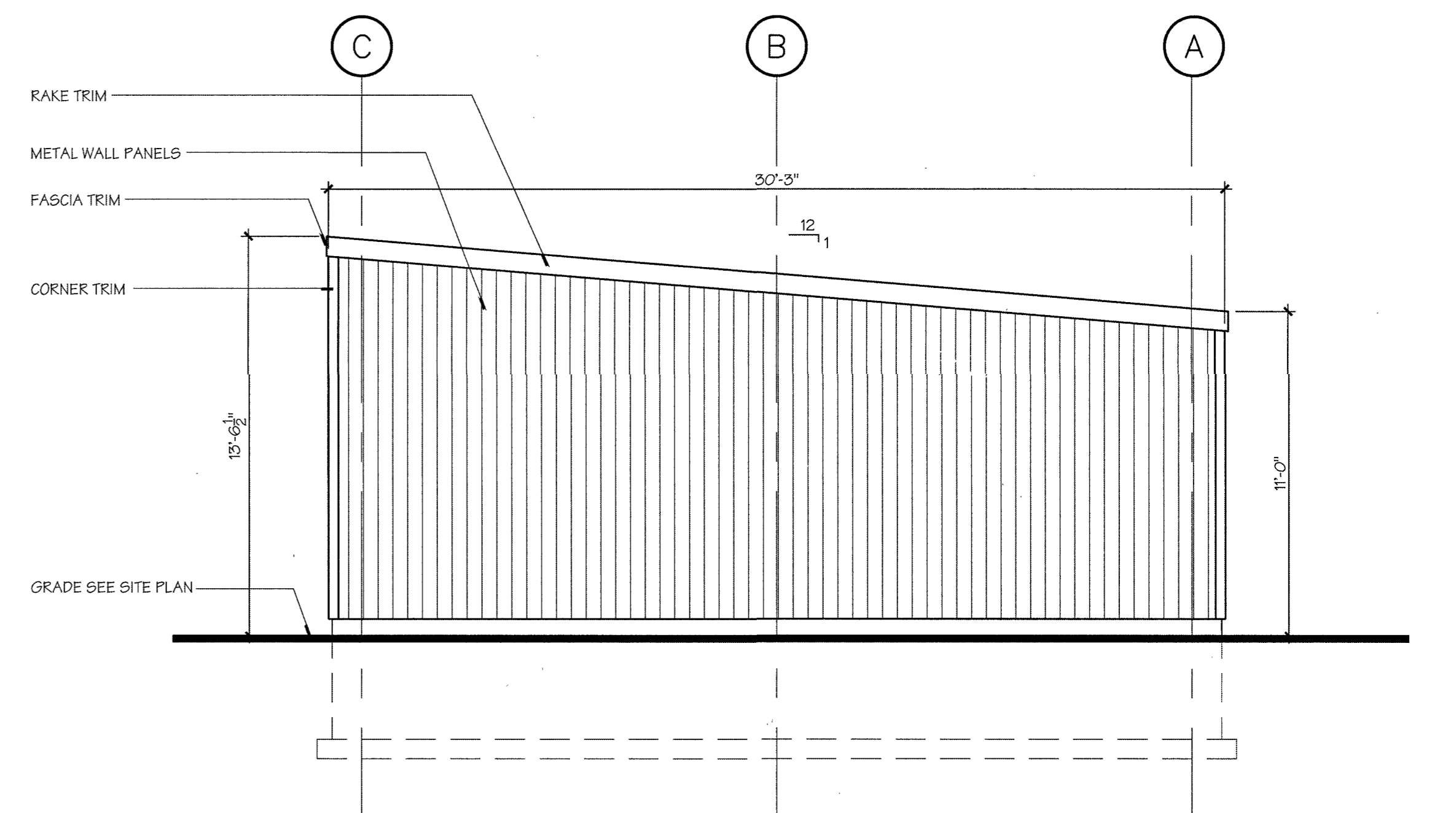
**1 FLOOR PLAN**  
SCALE: 1/4"=1'-0"



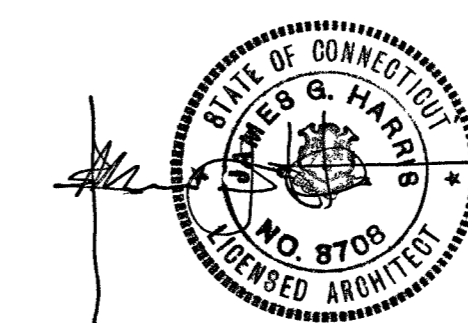
**2 FRONT ELEVATION**  
SCALE: 1/4"=1'-0"



**4 TYPICAL BUILDING SECTION**  
SCALE: 1/4"=1'-0"



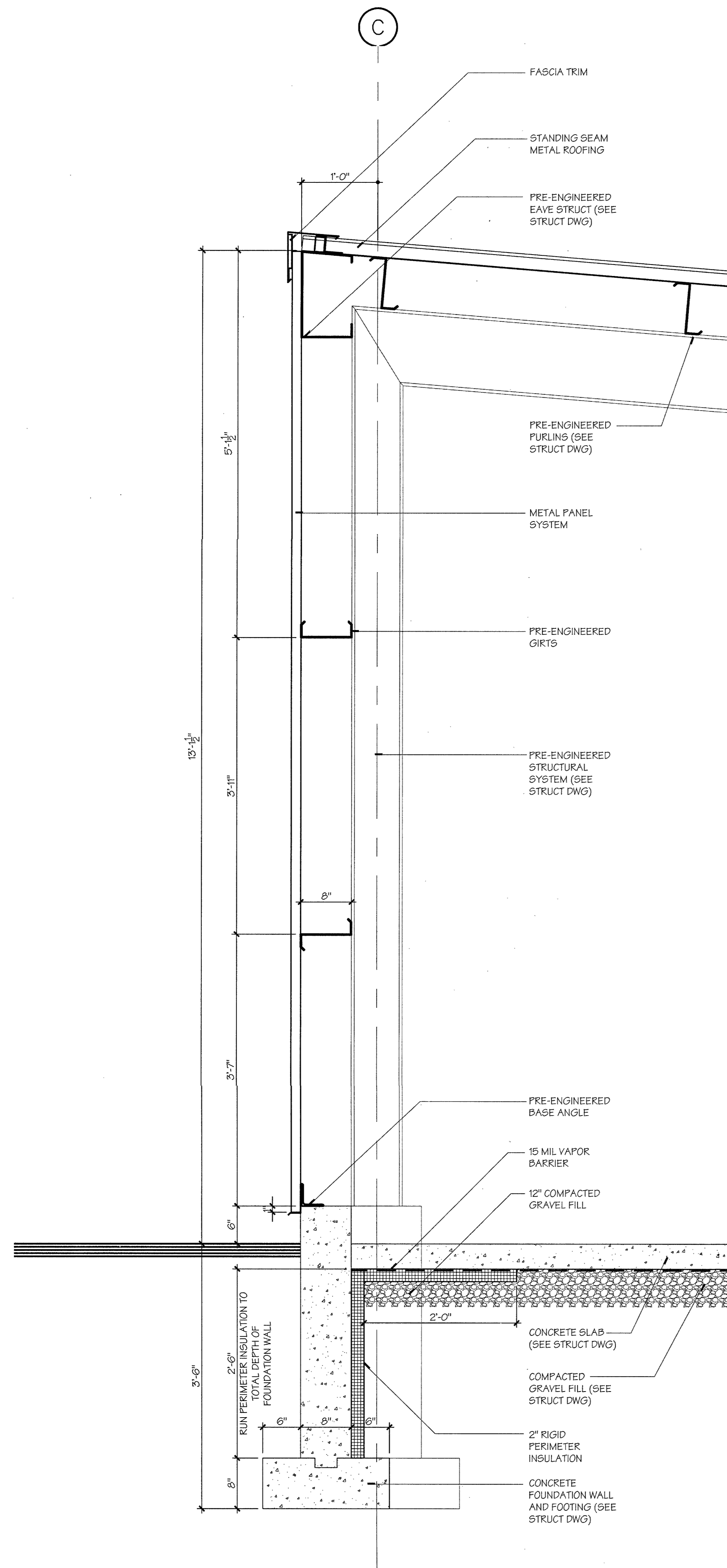
**3 RIGHT SIDE ELEVATION**  
SCALE: 1/4"=1'-0"



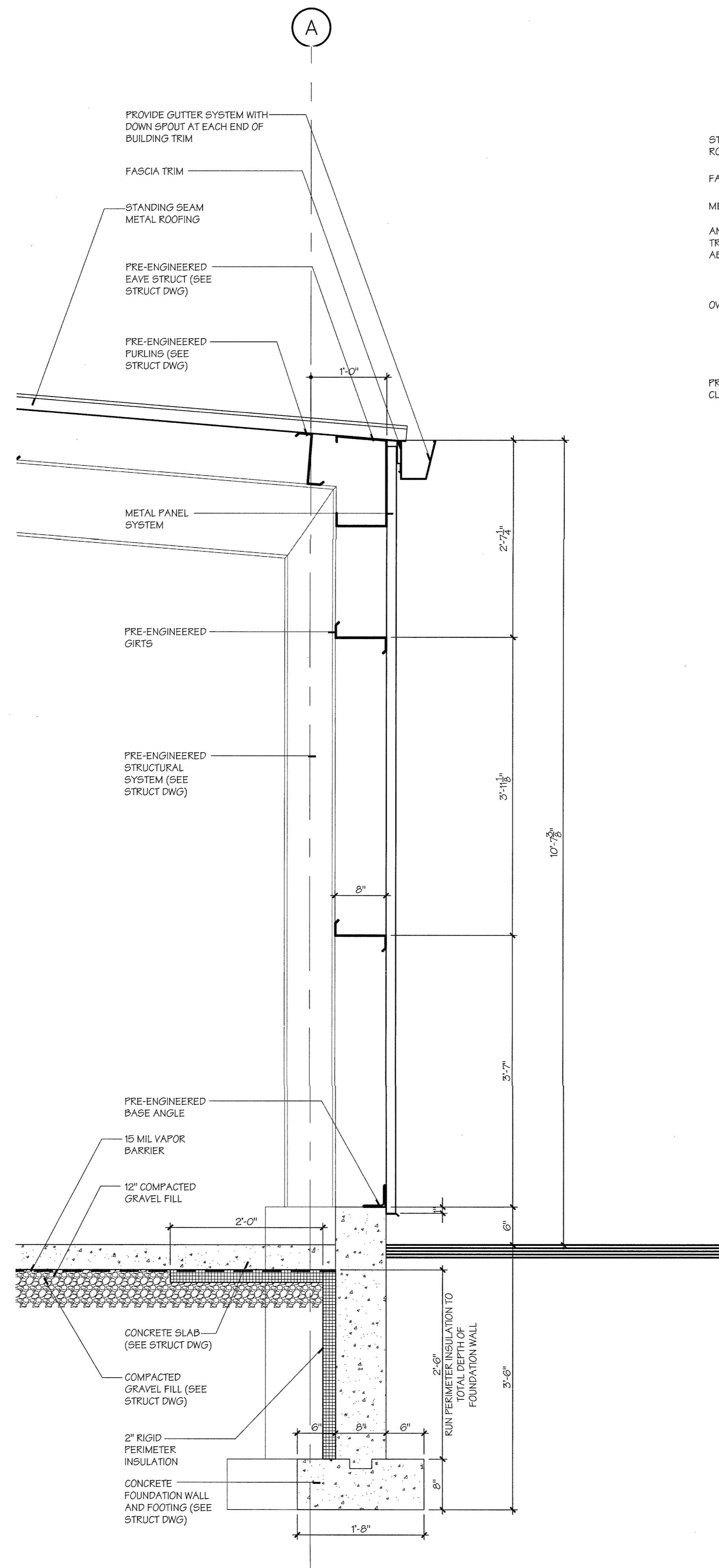
drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
FLOOR PLAN, ELEVATIONS AND BUILDING SECTIONS			drawing prepared by <b>CLOHESY HARRIS &amp; KAISER, LLC</b> 573 HOPMEADOW SREET SIMSBURY, CT	
REVISIONS				
mark	date	description	drawing prepared by	date
1	2/28/18	SD/DD SUBMISSION	RAM	2/28/18
2	5/8/18	SD/DD RESUBMISSION	RAM	5/8/18
3	6/4/18	CD SUBMISSION	JH	6/4/18
4	8/21/18	FINAL BID DOCUMENTS	JH	8/21/18

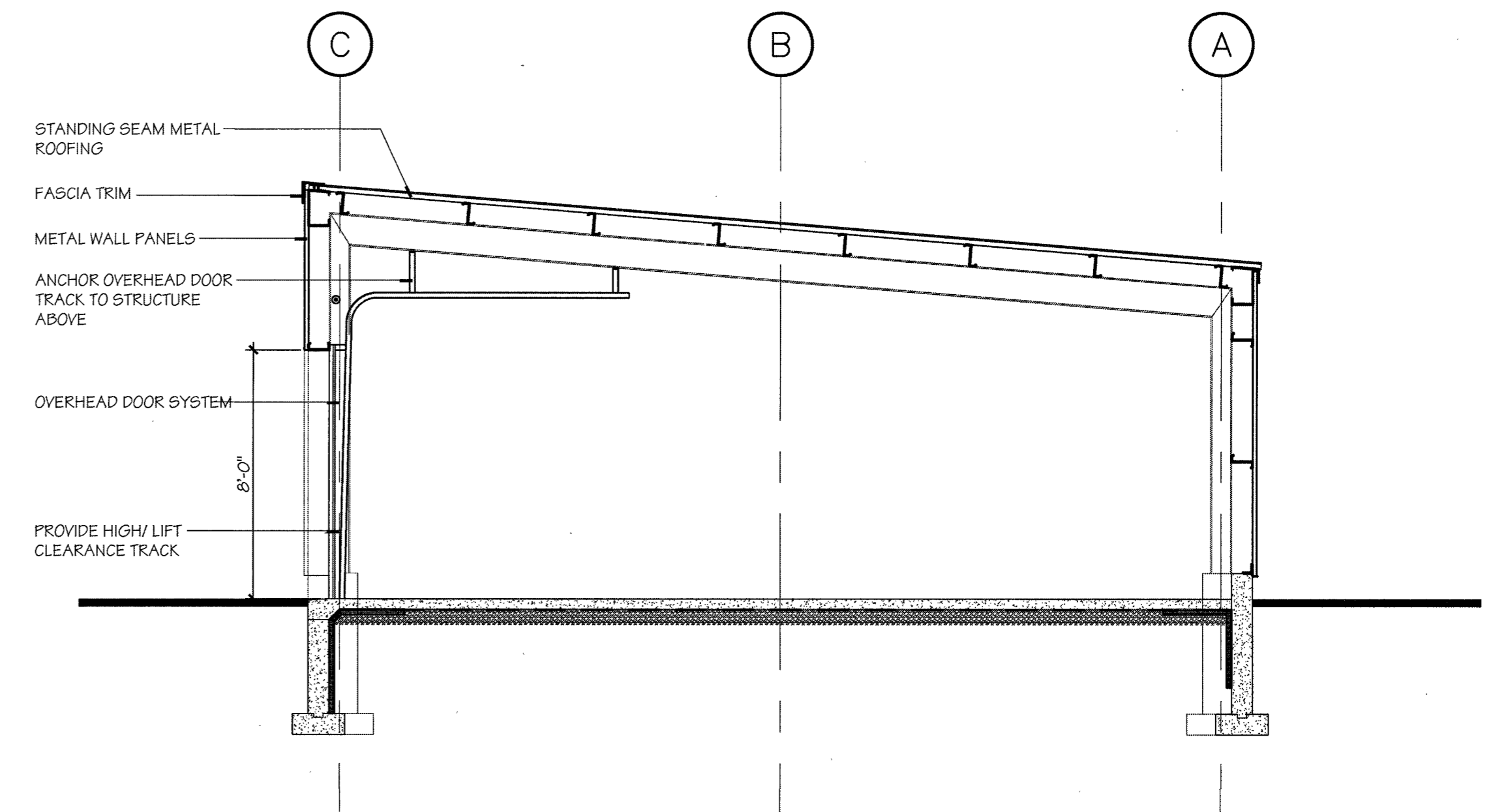
project <b>21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT</b>		scale 1/4"=1'-0"
CAD no. 6011840601811010	project no. BI-RT-888	drawing no. <b>A1.01</b>



1 BUILDING SECTION  
SCALE: 1"=1'-0"



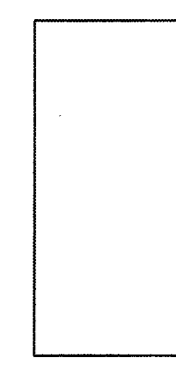
2 BUILDING SECTION  
SCALE: 1"=1'-0"



3 TYPICAL BUILDING SECTION AT OVERHEAD DOOR  
SCALE: 1/4"=1'-0"



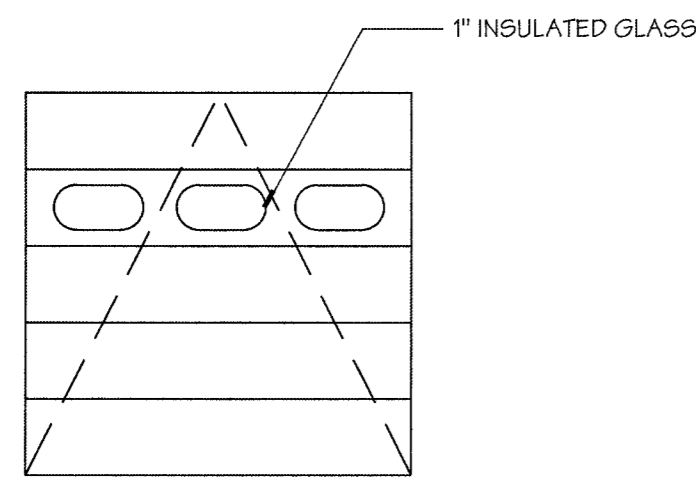
BUILDING SECTION AND WALL SECTIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by	
mark	date	description	CLOHESSY HARRIS & KAISER, LLC	
1	2/28/18	SD/DD SUBMISSION	573 HOPMEADOW SREET SIMSBURY, CT	
2	5/8/18	SD/DD RESUBMISSION	project	
3	6/4/18	CD SUBMISSION	21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT	
4	8/27/18	OSBI COMMENT	approved by	
5	8/21/18	FINAL BID DOCUMENTS	JM	
			drawing no.	
			A1.02	
CAD no.		project no.		
81178180001781 DWG		BI-RT-888		



METAL

**A. DOORS**

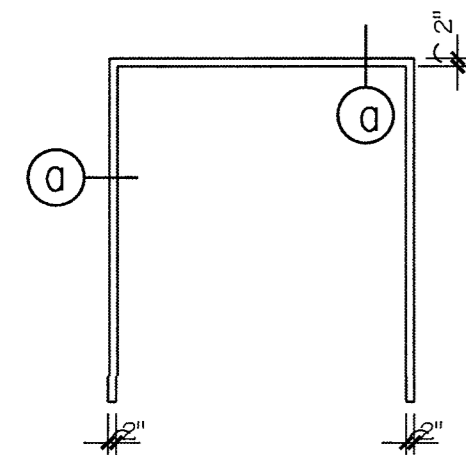
SCALE: 1/4"=1'-0"



ALUMINUM OVERHEAD DOOR

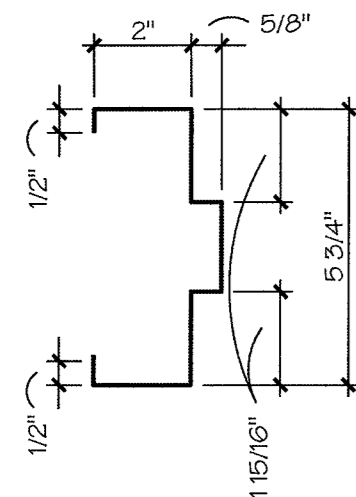
**B.**

DOOR NUMBER	LOCATION		DOOR								FRAME						THRESHOLD	FIRE RATING	HARDWARE	REMARKS
	FROM	TO	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	UC./LOUV.	TYPE	DEPTH	HEAD	L/JAMB	R/JAMB	MATERIAL	FINISH				
101	101	EXT	6'-0"	7'-0"	1 3/4"	HM	PAINT	A		1	5 3/4"	1	2	2	HM	PAINT			A	PAIR 3'-0"x7'-0" DOORS
102	101	EXT	6'-0"	7'-0"	1 3/4"	HM	PAINT	A		1	5 3/4"	1	2	2	HM	PAINT			A	PAIR 3'-0"x7'-0" DOORS
103	101	EXT	8'-0"	8'-0"	1 3/4"	MTL	ALUM	B			8	3	4	4	MTL	PRIMER			B	



**HOLLOW METAL DOOR FRAMES**

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



**HOLLOW METAL FRAME PROFILE**

SCALE 3/8"=1'-0"

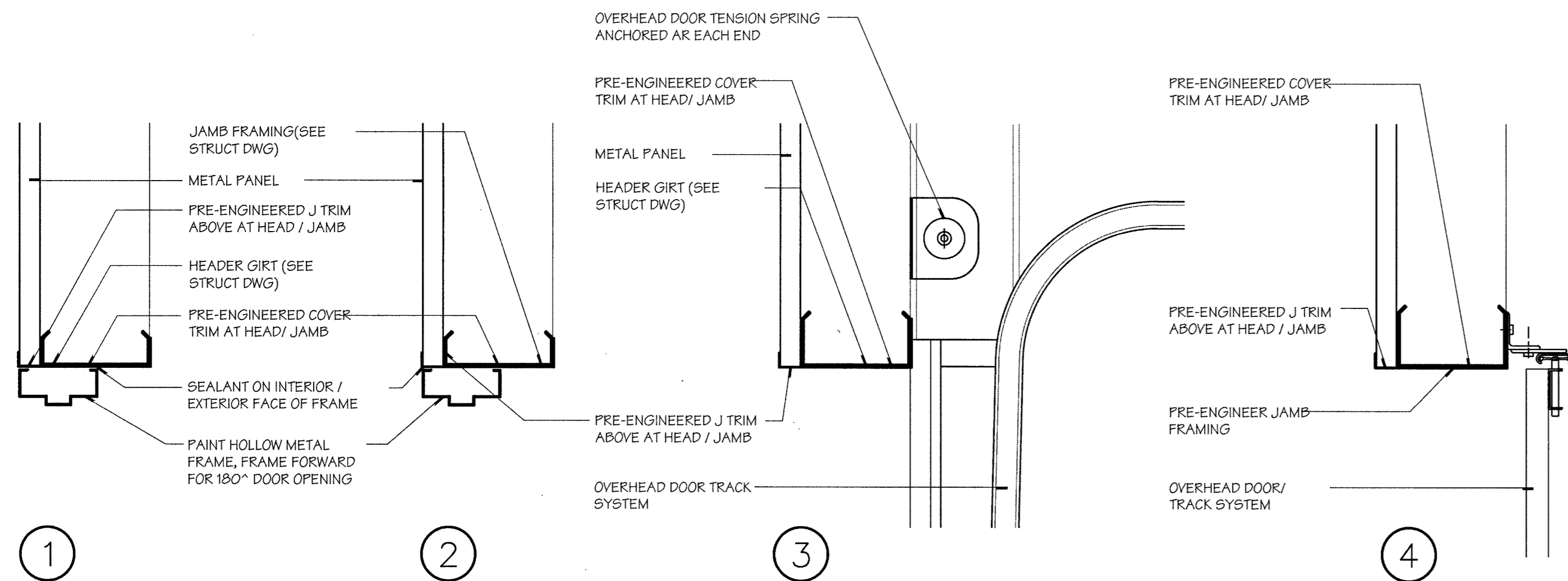
**HARDWARE SETS**

**SET A**

- 1 1/2 PR BUTTS EA LEAF
- LOCKSET STORAGE FUNCTION ACTIVE LEAF
- FLUSH BOLT TOP AND BOTTOM INACTIVE LEAF
- EXTERIOR SECURITY PLATE OVER LOCKSET LATCH AREA
- HEAD AND JAMB WEATHER SEAL
- DROP WEATHER SEAL DOOR BOTTOM
- SILENCERS

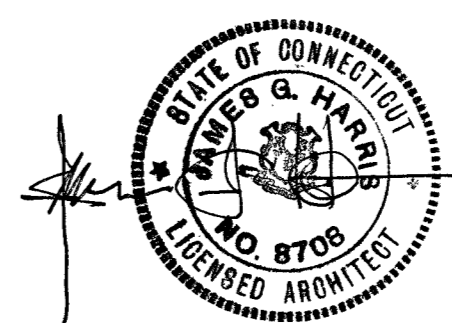
**SET B**

- PROVIDE FACTORY STANDARD LOCK DEVICE
- INSIDE LATCH LOCK EACH SIDE



**DOOR DETAILS**

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



DOOR SCHEDULE AND DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS					
mark	date	description	drawing prepared by	date	
1	2/28/18	SD/DD SUBMISSION	CLOHESSY HARRIS & KAISER, LLC	2/28/18	
2	5/8/18	SD/DD RESUBMISSION	573 HOPMEADOW SREET SIMSBURY, CT	1/4"=1'-0"	
3	6/4/18	CD SUBMISSION			
4	8/21/18	FINAL BID DOCUMENTS			
			project	drawn by	
			21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT	RAM	
				approved by	
				JM	
				drawing no.	
					<b>A1.03</b>
CAD no.		project no.			
01517818DW01751.DWG		BI-RT-888			

**STRUCTURAL GENERAL NOTES**

- A. GENERAL**
1. PREFABRICATED STRUCTURE BUILDING.
  2. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO TOTAL COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.
- B. DESIGN AND LOADING**
1. ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA ARE IN ACCORDANCE WITH THE FOLLOWING:
    - A) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318
    - B) "STATE OF CONNECTICUT INTERNATIONAL BUILDING CODE 2016 + CT AMENDMENTS."
  2. LIVE LOAD:
    - A) FLOOR LIVE LOADS -VEHICLE STORAGE AASHO HS20
    - B) ROOF LIVE LOAD - 20psf
    - C) ROOF SNOW LOAD -GROUND SNOW LOAD Pg= 35 psf  
-FLAT ROOF SNOW LOAD Pf= 30 psf  
-SNOW EXPOSURE FACTOR Ce= 1.0  
-SNOW IMPORTANCE FACTOR I= 1.0
  3. LATERAL LOADS:
    - A) WIND LOADS -WIND VELOCITY (3 SECOND GUST) 125 mph  
-WIND LOAD IMPORTANCE FACTOR 1.00  
-WIND EXPOSURE C
    - B) SEISMIC LOADS -MAPPED ACCELERATION FOR SHORT PERIOD SS=0.177  
-MAPPED ACCELERATION FOR 1 SEC PERIOD S1=0.064  
-SEISMIC DESIGN CATEGORY B
  4. SPECIAL LOADS:
    - A) THE CONTRACTOR SHALL MAKE PROVISIONS FOR TEMPORARY CONSTRUCTION LOADS WHICH WILL OCCUR DURING THE ERECTION OF THE BUILDING.
    5. ALLOWABLE PRESUMPTIVE SOIL BEARING PRESSURE: 1.5 TONS/SF
    6. DESIGN STRESSES AND MATERIAL:
      - A) CONCRETE (28-DAY STRENGTH, NORMAL WEIGHT) 3,000 PSI
      - B) REINFORCING STEEL ASTM A-615 FY = 60 KSI
      - C) WELDED-WIRE ASTM A-185 FY = 60 KSI
    7. FOUNDATION DESIGNS ARE BASED UPON INFORMATION PROVIDED BY THE PRE-ENGINEERED BUILDING SUPPLIER:
- C. FOUNDATION**
1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOUND GROUND.
  2. BOTTOM OF EXTERIOR FOOTING TO BE A MINIMUM 3'-6" BELOW FINISHED GRADE. ALL FOOTINGS SHALL A MINIMUM OF 1'-6" BELOW EXISTING GRADE, UNLESS ON STRUCTURAL FILL.
  3. STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTED IN 8" LAYERS TO 95% OF MODIFIED OPTIMUM DENSITY, CONFORM TO CONNECTICUT DOT FORM 813 SECTION M.02 GRADING "C".
  4. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.
- D. CONCRETE WORK AND REINFORCING**
1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 6-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.
  2. ALL FOUNDATION WALLS ARE TO BE KEYPED TO FOOTINGS.
  3. SLABS ARE TO BE KEYPED TO SUPPORTING WALLS.
  4. WHERE VERTICAL REINFORCING BARS ARE CALLED FOR IN WALLS, AT COLUMN LOCATIONS OR PIERS, SUCH BARS ARE TO BE DOWELED INTO FOOTINGS.
  5. POCKET WALLS WHERE NECESSARY FOR COLUMNS AND SLABS.
  6. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.
  7. REINFORCING TO BE LAPPED 36 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.
  8. PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS OF OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENING.
  9. UNLESS OTHERWISE NOTED, ALL FOUNDATION WALLS ARE TO BE REINFORCED WITH TWO (2) #5 BARS, CONTINUOUS TOP AND BOTTOM.
  10. HORIZONTAL WALL CONSTRUCTION JOINTS WILL NOT BE PERMITTED, EXCEPT WHERE SHOWN.
  11. ALL JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.
  12. AIR-ENTRAIN ALL EXPOSED CONCRETE.
  14. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATIONS, OF ALL OPENINGS, EMBEDDED ITEMS, ETC., FOR MECHANICAL AND ELECTRICAL TRADES.
  15. COVER FOR REINFORCING:
    - A) CONCRETE PLACED ON EARTH
    - B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER: 1-3/4"
    - C) FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER: 3/4"
- G. FIELD MEASUREMENTS**
1. CONTRACTOR SHALL VERIFY IN THE FIELD ALL MEASUREMENTS, CONDITIONS AND ELEVATIONS NECESSARY FOR HIS WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR ACCURACY.

**STRUCTURAL LOADS**

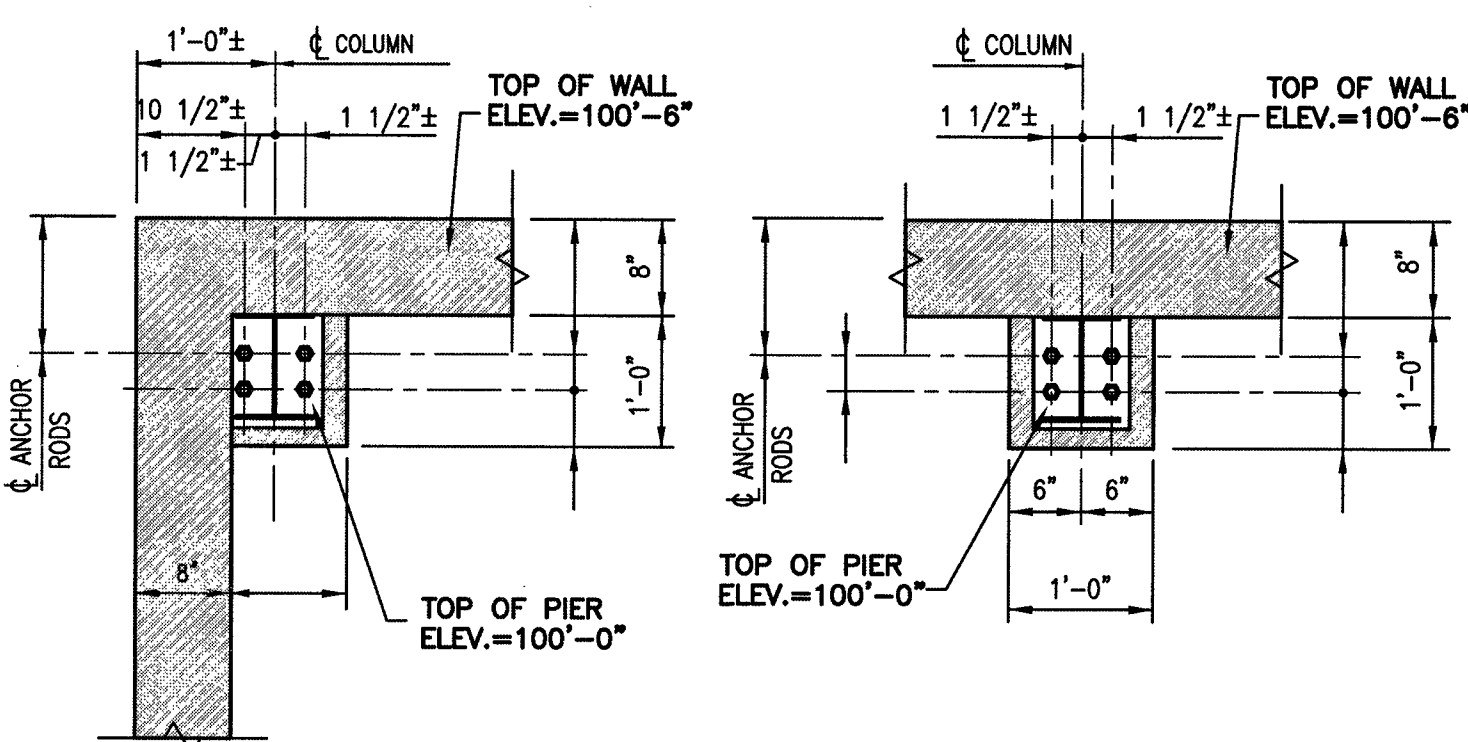
1. LIVE LOAD:
  - A) FLOOR LIVE LOADS -VEHICLE STORAGE AASHO HS20
  - B) ROOF LIVE LOAD - 20psf
  - C) ROOF SNOW LOAD -GROUND SNOW LOAD Pg= 35 psf  
-FLAT ROOF SNOW LOAD Pf= 30 psf  
-SNOW EXPOSURE FACTOR Ce= 1.0  
-SNOW IMPORTANCE FACTOR I= 1.0
2. LATERAL LOADS:
  - A) WIND LOADS -BASIC WIND SPEED (3 SEC. GUST) 125 mph  
-RISK CATEGORY III  
-WIND EXPOSURE C
  - B) SEISMIC LOADS -SPECTRAL RESPONSE ACCELERATION Ss=0.217  
-1 SECOND PERIOD S1=0.067  
-SEISMIC USE GROUP I  
-SEISMIC DESIGN CATEGORY B  
-SOIL SITE CLASS D  
-BASIC STRUCTURAL SYSTEM - BUILDING FRAME

**ANCHOR ROD SCHEDULE**

DIAMETER	L <sub>e</sub>	L <sub>h</sub>	REMARKS
1/2"	1'-0"	---	
3/4"	1'-2"	---	

**NOTES:**

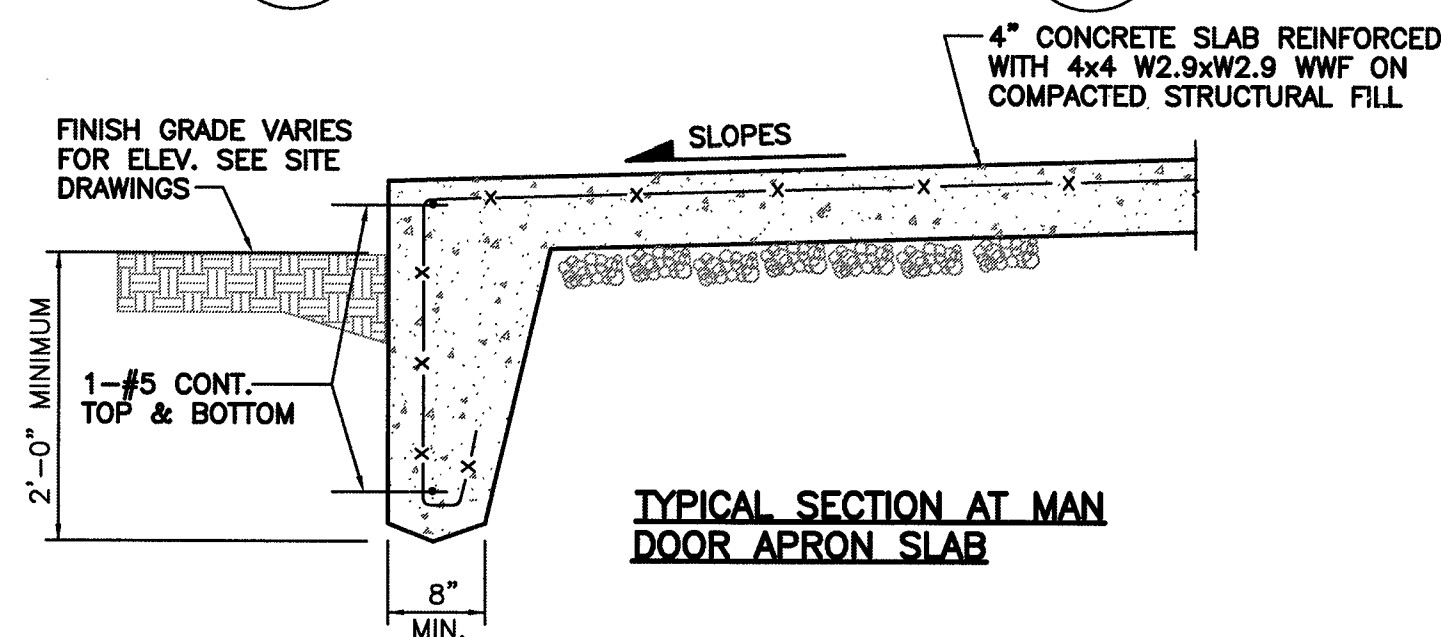
1. ALL ANCHOR BOLTS SHALL BE ASTM-1554 GRADE 36 MATERIAL.
2. PROVIDE WASHERS AND NUTS FOR ALL BOLTS.
3. ALL BOLTS SHALL BE FREE OF SCALE, DIRT OR OIL.
4. PROVIDE MINIMUM 4" THREAD LENGTH.



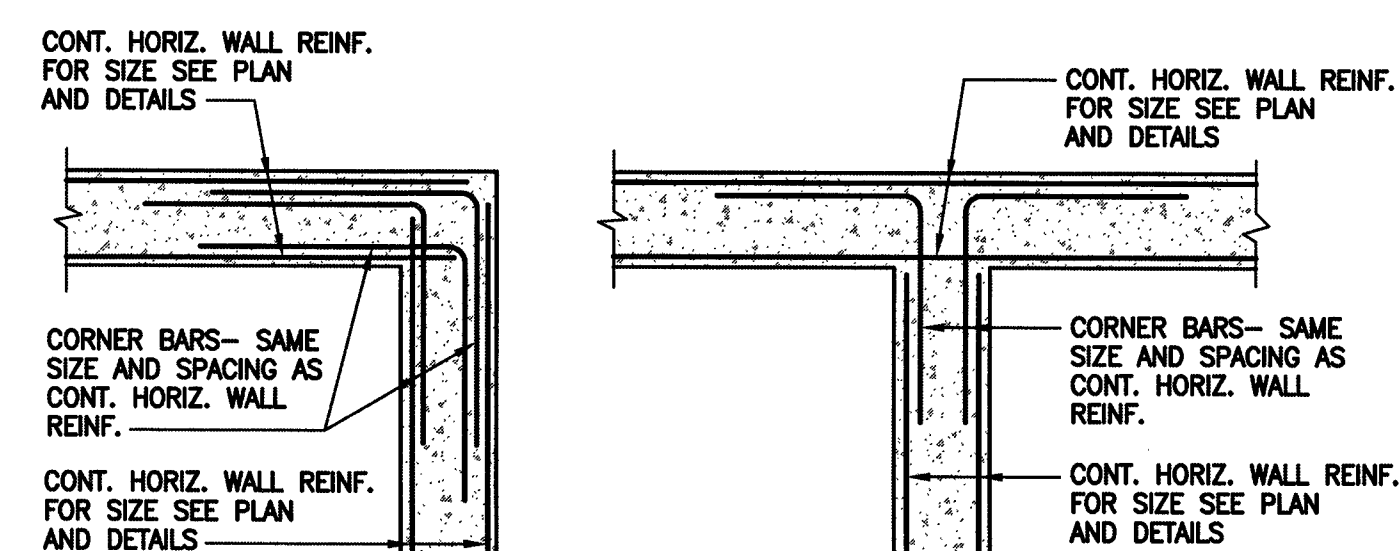
NOTE: (4) - 3/4" ANCHOR BOLTS WITH 3" PROJECTION AT EACH BASE PLATE (SEE PLAN FOR COLUMN ORIENTATION)

**PLAN DETAIL BP1**  
SCALE: 3/4" = 1'-0"

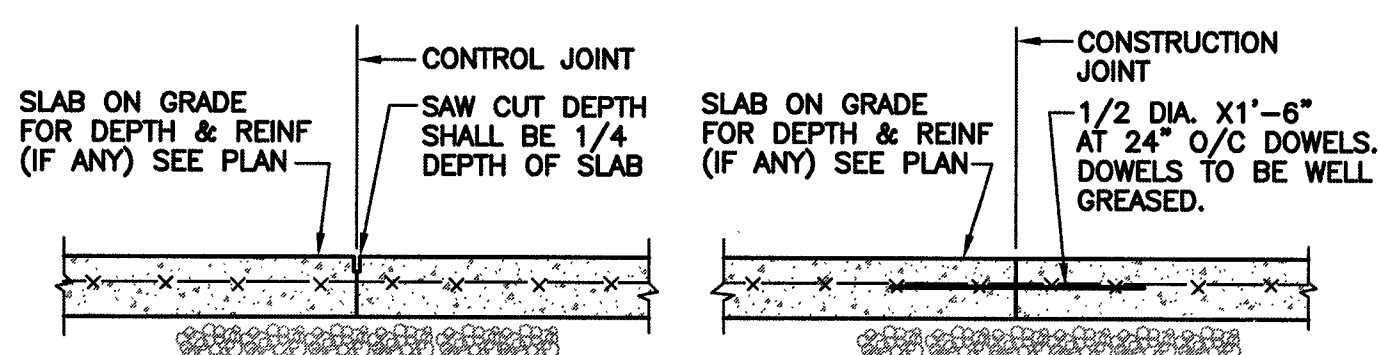
**PLAN DETAIL BP2**  
SCALE: 3/4" = 1'-0"



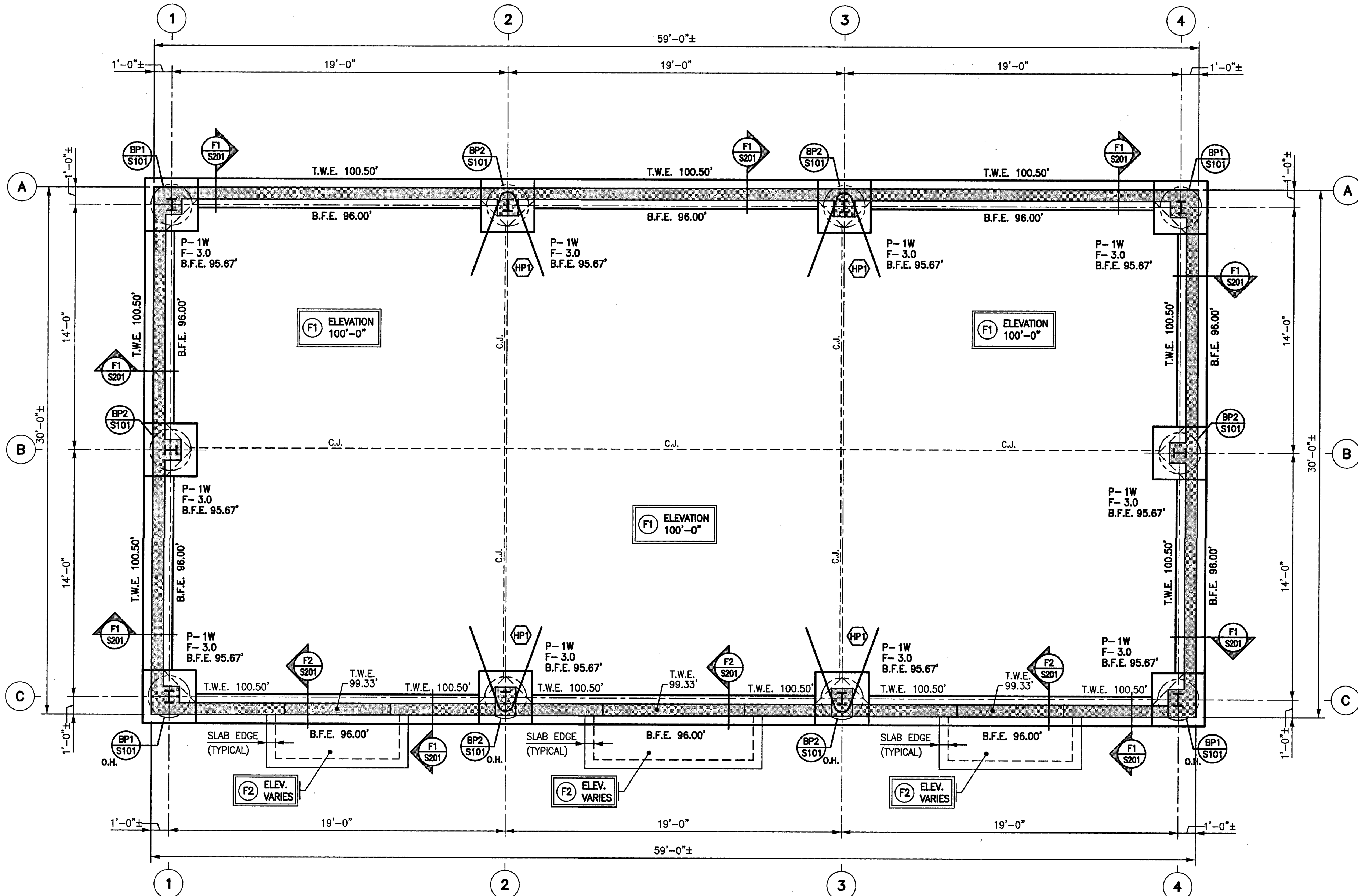
**TYPICAL SLAB EDGE DETAIL**  
SCALE: NONE



**TYPICAL CONCRETE WALL CORNER BAR DETAILS**  
SCALE: NONE



**TYPICAL CONTROL JOINT DETAILS IN CONCRETE SLAB ON GRADE**  
SCALE: NONE



**FOUNDATION PLAN**

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

**NOTES:**

1. (F1) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9XW2.9 W.W.F. ON MINIMUM 12" LAYER OF COMPACTED STRUCTURAL FILL. SEE ARCHITECTURAL DRAWINGS FOR VAPOR RETARDER REQUIREMENTS TYP.
2. (F2) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9XW2.9 W.W.F. ON 12" MINIMUM BLANKET OF COMPACTED STRUCTURAL FILL.
3. B.F.E. INDICATES BOTTOM OF FOOTING ELEVATION.
4. T.W.E. INDICATES TOP OF WALL ELEVATION. DROP TOP OF WALL ELEVATION TO 8" BELOW FIN. FLOOR ELEVATION AT ALL DOOR OPENINGS - U.O.N.
5. C.J. INDICATES CONTROL JOINT IN CONCRETE SLAB - SEE TYPICAL DETAIL ON THIS DRAWING.
6. WHERE UTILITY LINES (I.E. SANITARY, WATER, ETC.) PENETRATE FOUNDATION WALL DROP BOTTOM OF FOOTING ELEVATION AS REQUIRED TO ALLOW UTILITY LINE TO PASS THRU FOUNDATION WALL. COORDINATE LOCATIONS AND ELEVATIONS WITH MECH'L AND SITE REQUIREMENTS.
7. PROVIDE #5x4'-0" DIAGONAL REINFORCING BARS IN THE TOP AND BOTTOM OF THE GARAGE SLAB AT ALL RE-ENTRANT CORNERS AND PIER CORNER LOCATIONS.

**PIER SCHEDULE**

DESIGNATION	SIZE	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
P-1	12" X 20"	6-#6	(2)-#3@12"	

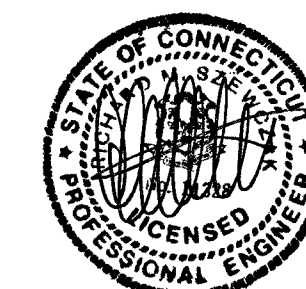
**NOTES:**

1. ALL VERTICAL PIER REINFORCING SHALL BE DOWELED INTO FOOTING.
2. ALL PIER SIZES INDICATED ARE MINIMUM EFFECTIVE PIER SIZES REQUIRED. FOR ACTUAL PIER SIZE REQUIRED - SEE ARCHITECTURAL DRAWINGS.
3. SUFFIX "...W" INDICATES THAT PIER SHALL BE PLACED MONOLITHIC WITH FOUNDATION WALL.
4. PROVIDE FIVE ADDITIONAL PERIMETER TIES SETS THAT SHALL BE SPACED AT 3" O.C. AT TOP OF ALL PIERS, UNLESS OTHERWISE NOTED.

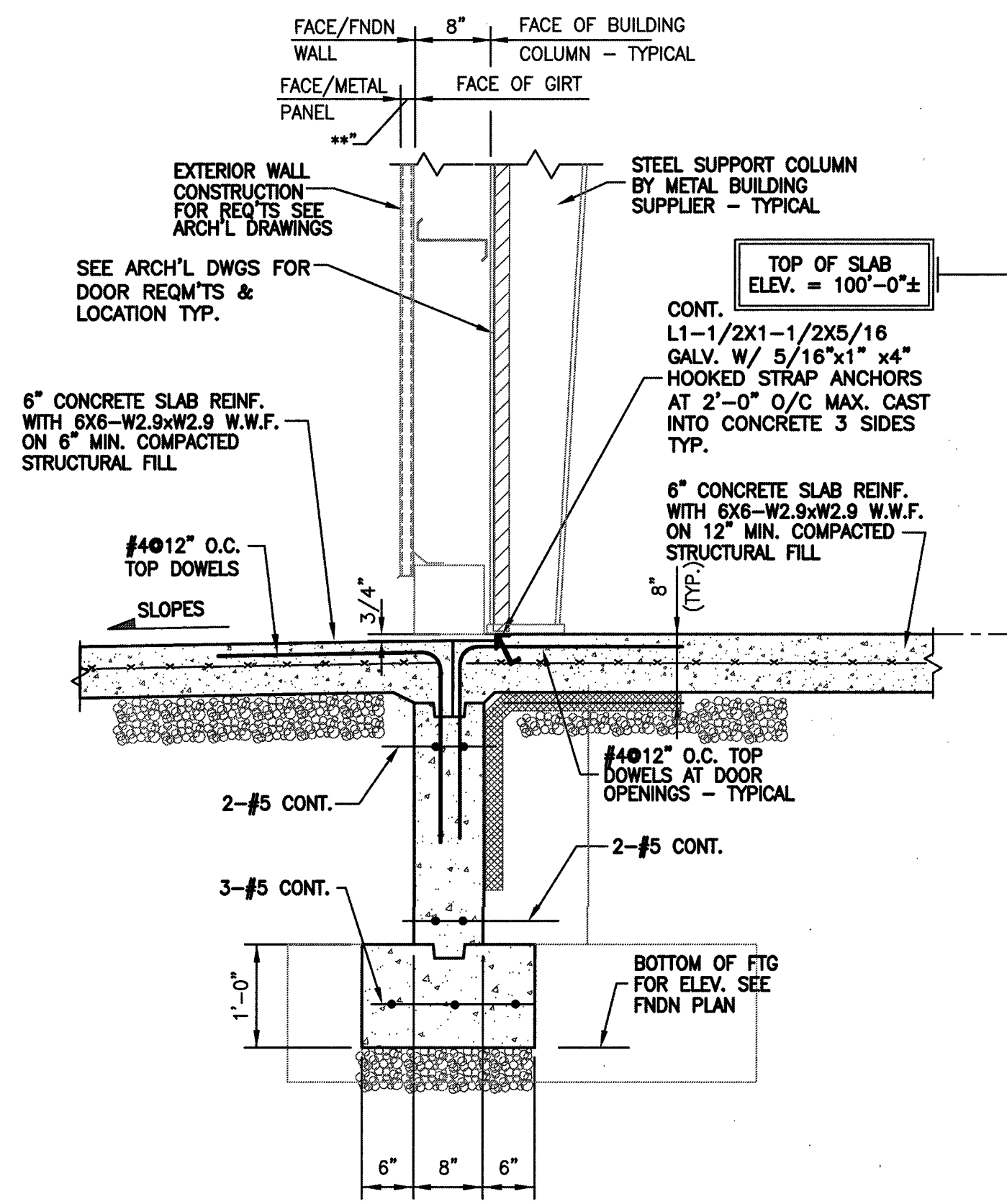
**FOOTING SCHEDULE**

DESIGNATION	SIZE - W X L X D	REINFORCING (EACH WAY-TOP&BOTTOM)	
		VERTICAL	HORIZONTAL
F-3.0	3'-0" X 3'-0" X 1'-4"	5-#6	

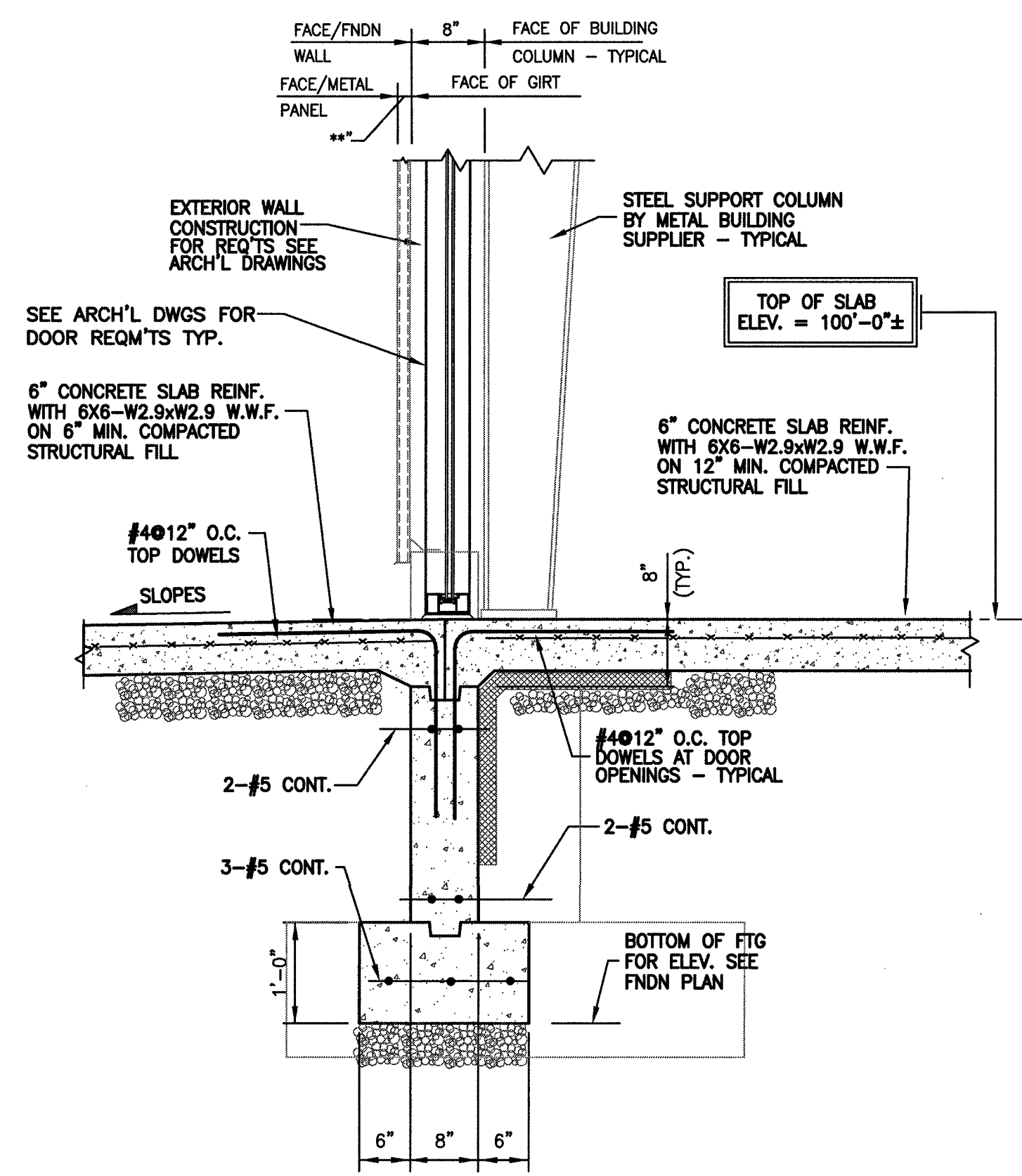
drawing title <b>FOUNDATION PLAN</b>			<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by <b>SZEWCAZ ASSOCIATES</b>	
mark	date	description	scale	date
1	4/27/18	SD/DD SUBMISSION		2/28/18
2	5/8/18	SD/DD RESUBMISSION		AS NOTED
3	8/04/18	CD SUBMISSION		
4	8/21/18	FINAL BID DOCUMENTS		
project 21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT			drawn by PO approved by RMS drawing no. <b>S1.01</b>	
CAD no.			project no. BI-RT-888	



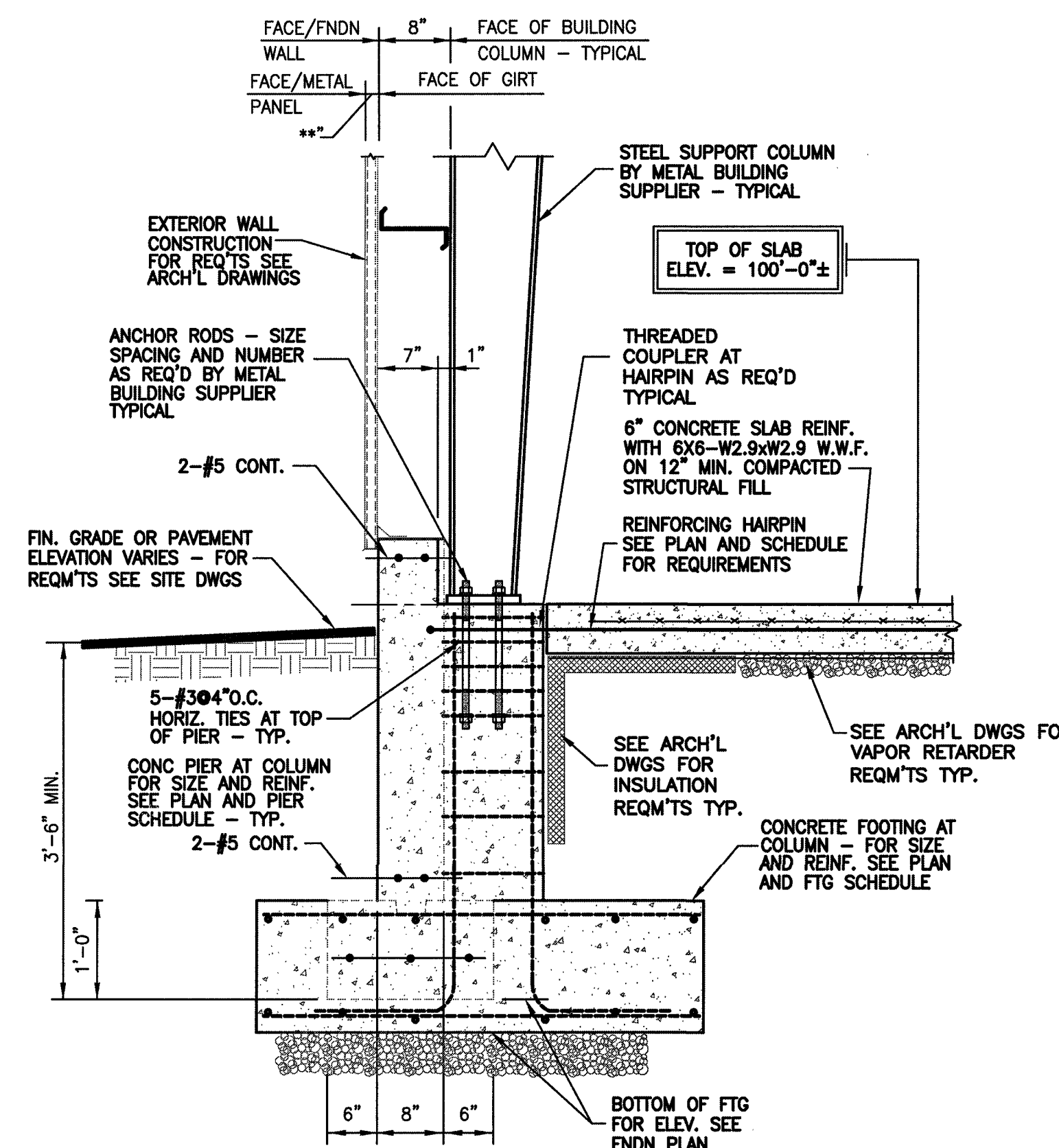




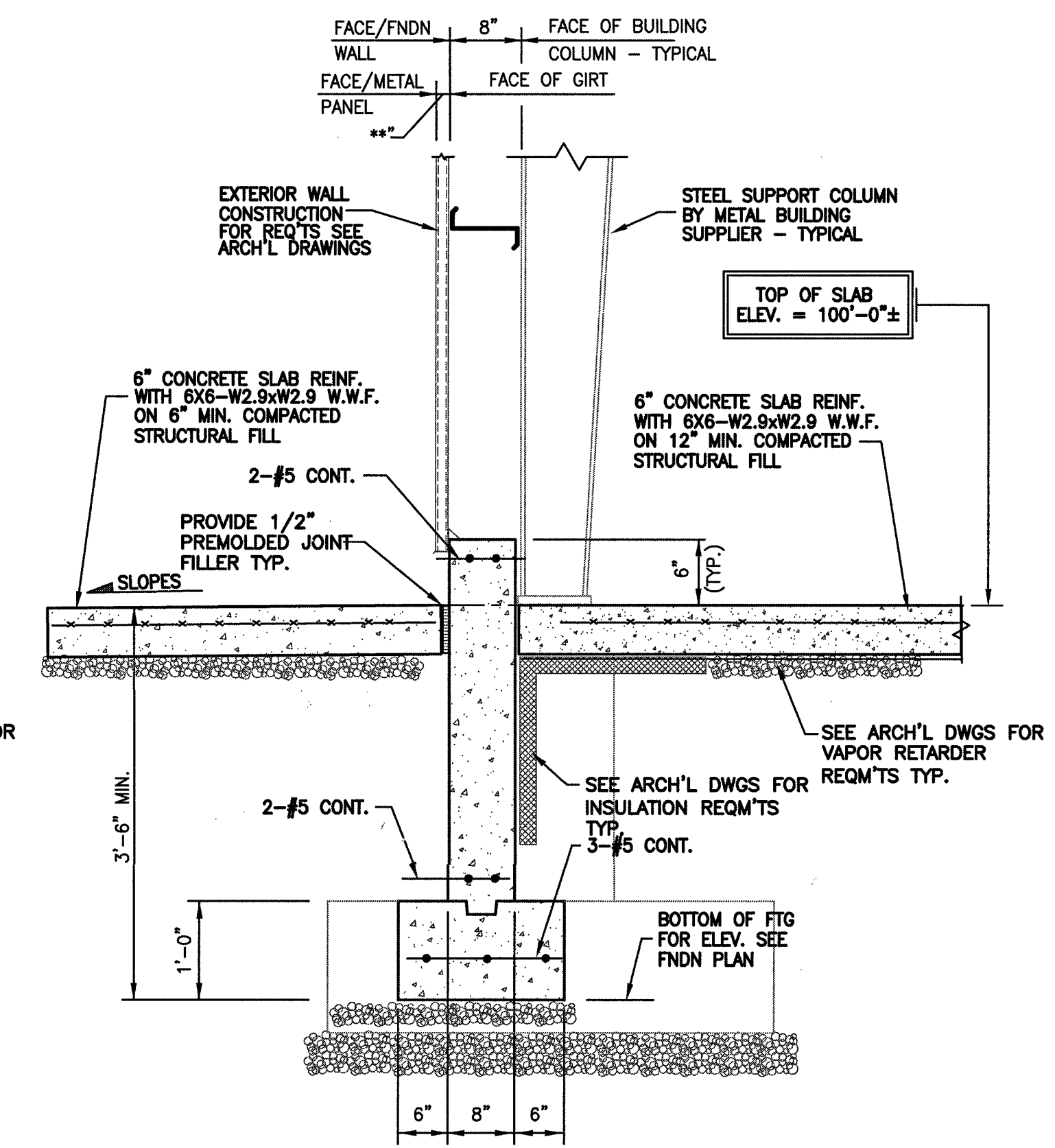
SECTION AT OVERHEAD DOOR OPENINGS



SECTION AT MAN DOOR OPENINGS



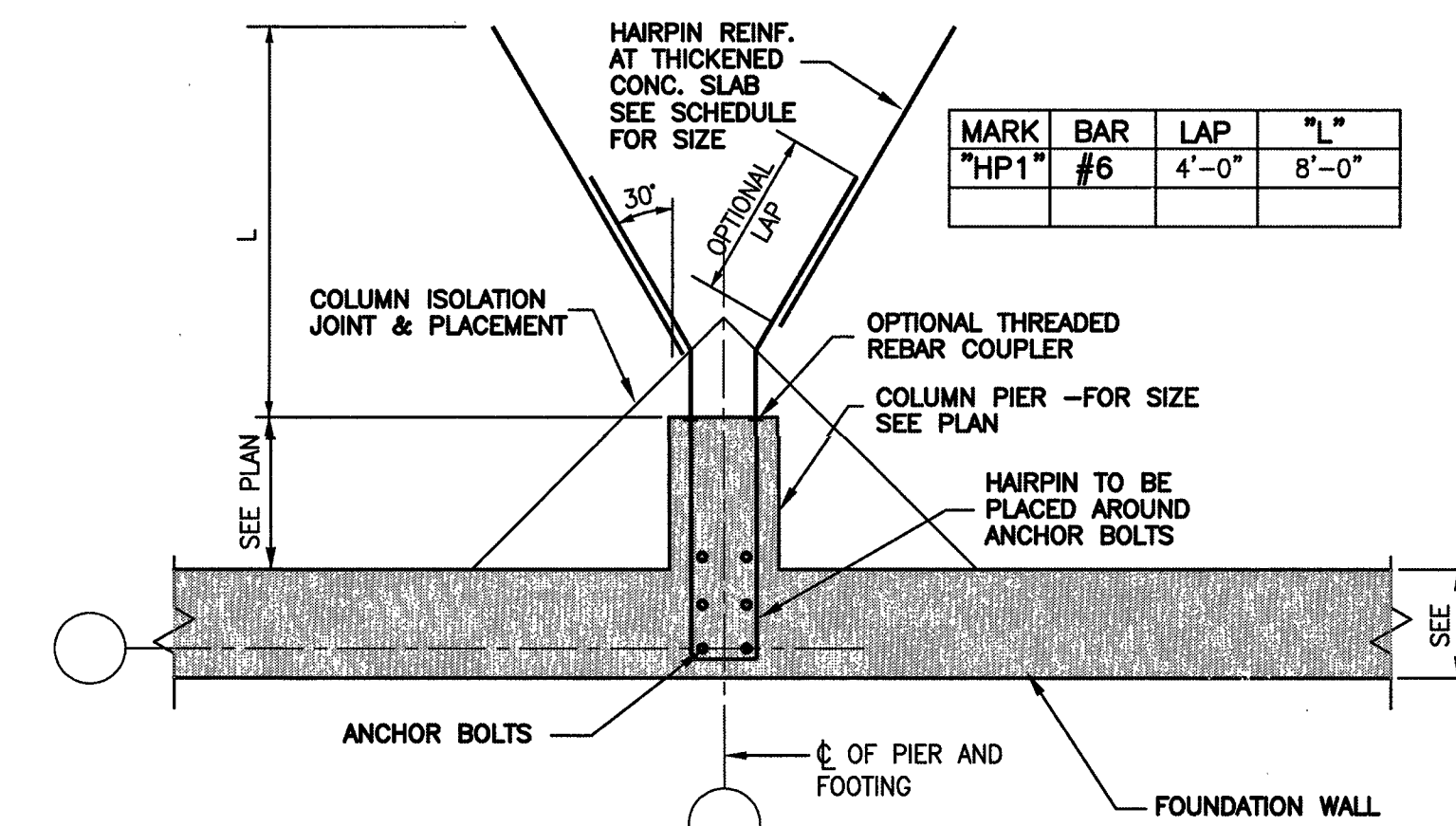
SECTION AT COLUMNS



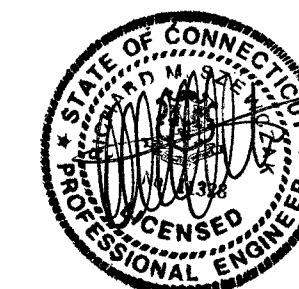
TYPICAL SECTION

EXTERIOR FOUNDATION WALL F2  
SCALE: 3/4" = 1'-0"  
S2.01

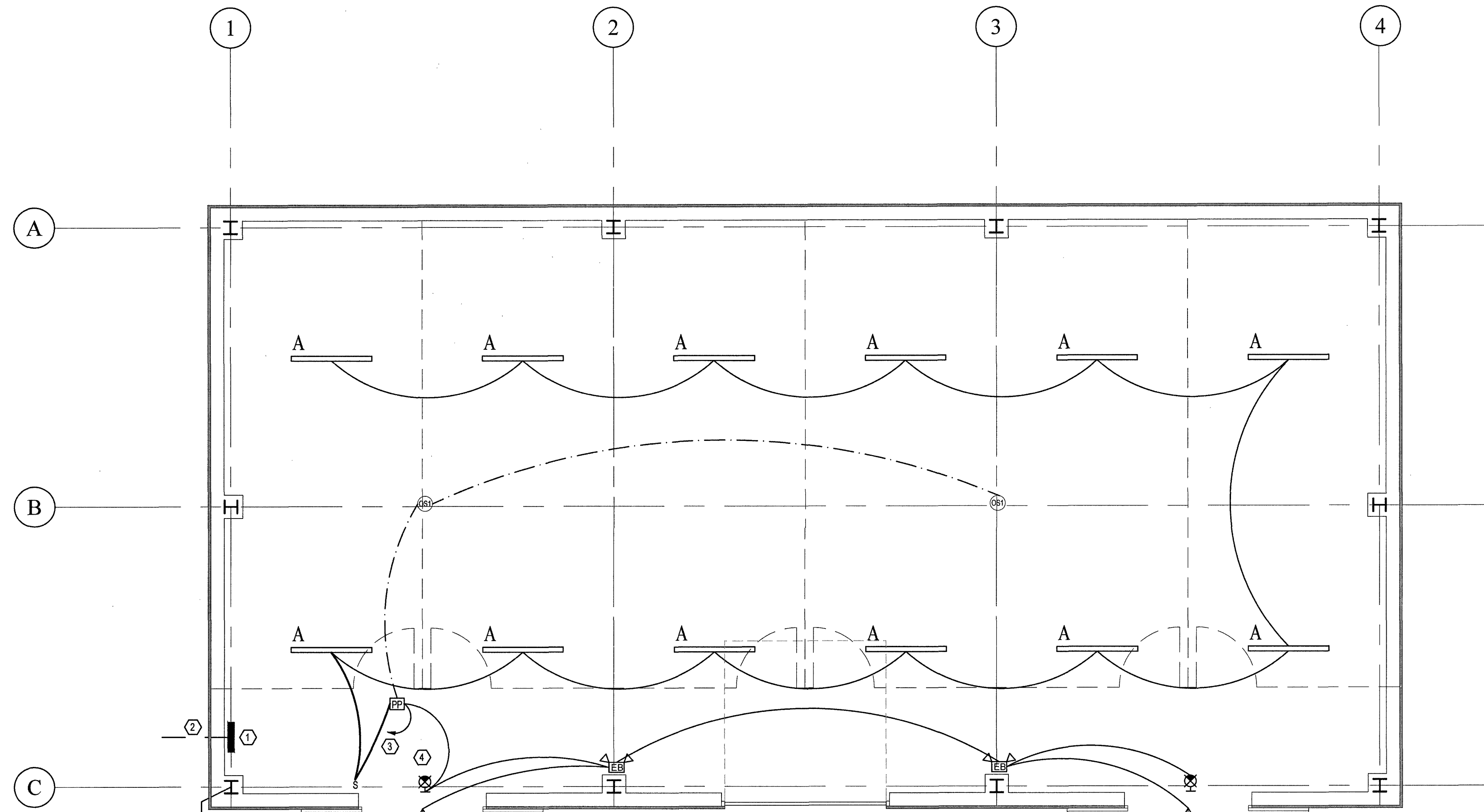
EXTERIOR FOUNDATION WALL F1  
SCALE: 3/4" = 1'-0"  
S2.01



TYPICAL SLAB HAIRPIN INSTALLATION  
SCALE: NONE



drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
STRUCTURAL SECTIONS			drawing prepared by	
REVISIONS			SZEWCZAK ASSOCIATES	
mark	date	description	200 FISHER DRIVE AVON, CT	
1	4/27/18	SD/DD SUBMISSION	date	2/28/18
2	5/09/18	SD/DD RESUBMISSION	scale	AS NOTED
3	6/04/18	CO SUBMISSION	project	21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT
4	8/21/18	FINAL BID DOCUMENTS	approved by	RMS
			drawing no.	S2.01
CAD no. 031718F02W037181.DWG			project no.	BI-RT-888



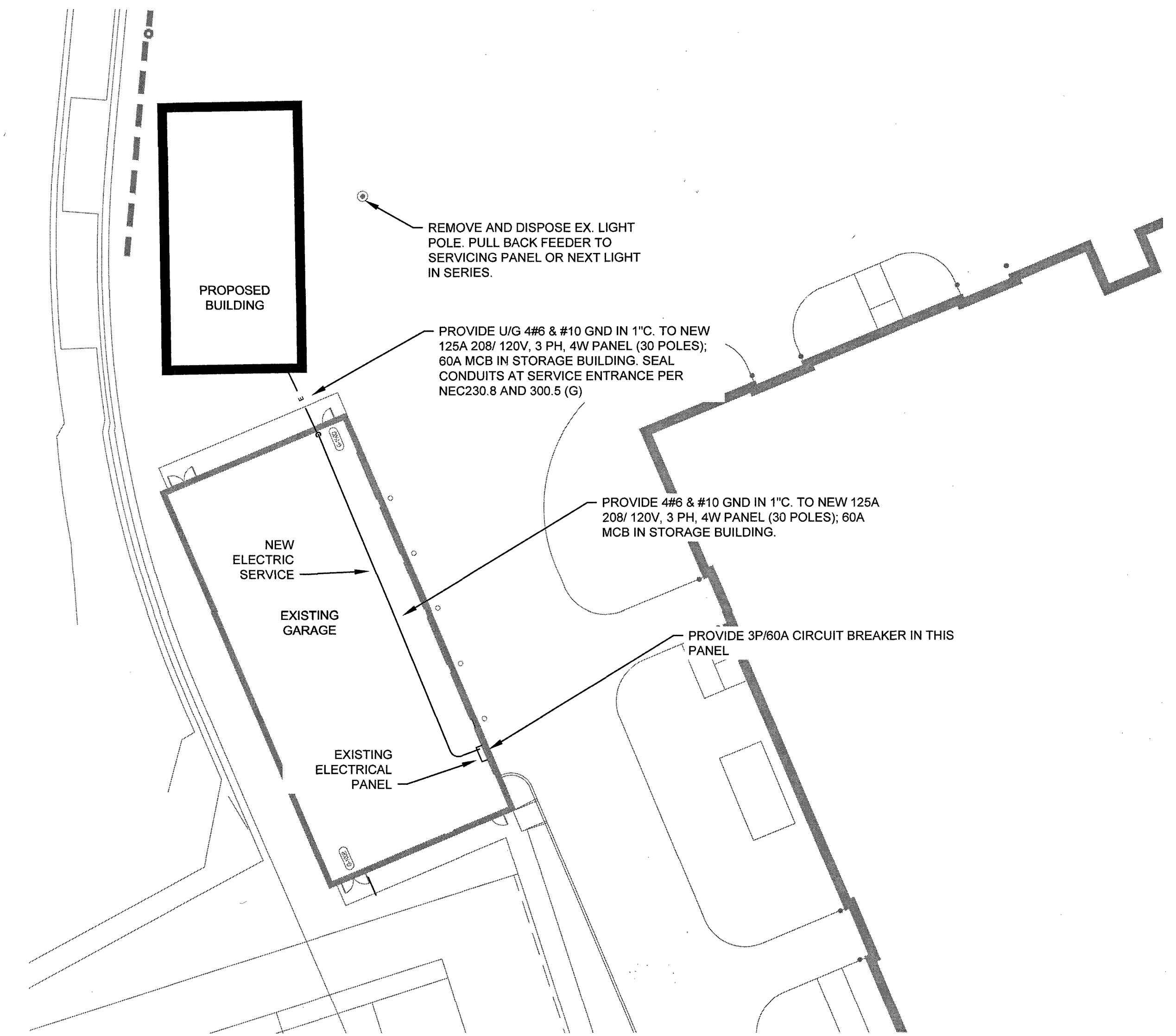
**ELECTRICAL KEYED NOTES**

- ① 125A, 208/120V, 3 PH, 4W (30 POLE) PANEL "A" WITH 60A MCB. PROVIDE TEN (10) 1P/20A CBs. GROUND TO BUILDING STEEL.
- ② INCOMING FEEDER. FOR CONTINUATION AND LOCATION SEE SITE PLAN.
- ③ CONNECT TO 1P/20A CIRCUIT BREAKER IN NEW PANEL "A"
- ④ ASSURE CONNECTION AHEAD OF SWITCHING DEVICE FOR LIGHTING CIRCUIT. MOUNT EXIT SIGNS AND LIGHT FIXTURES 8'-0" AFF.

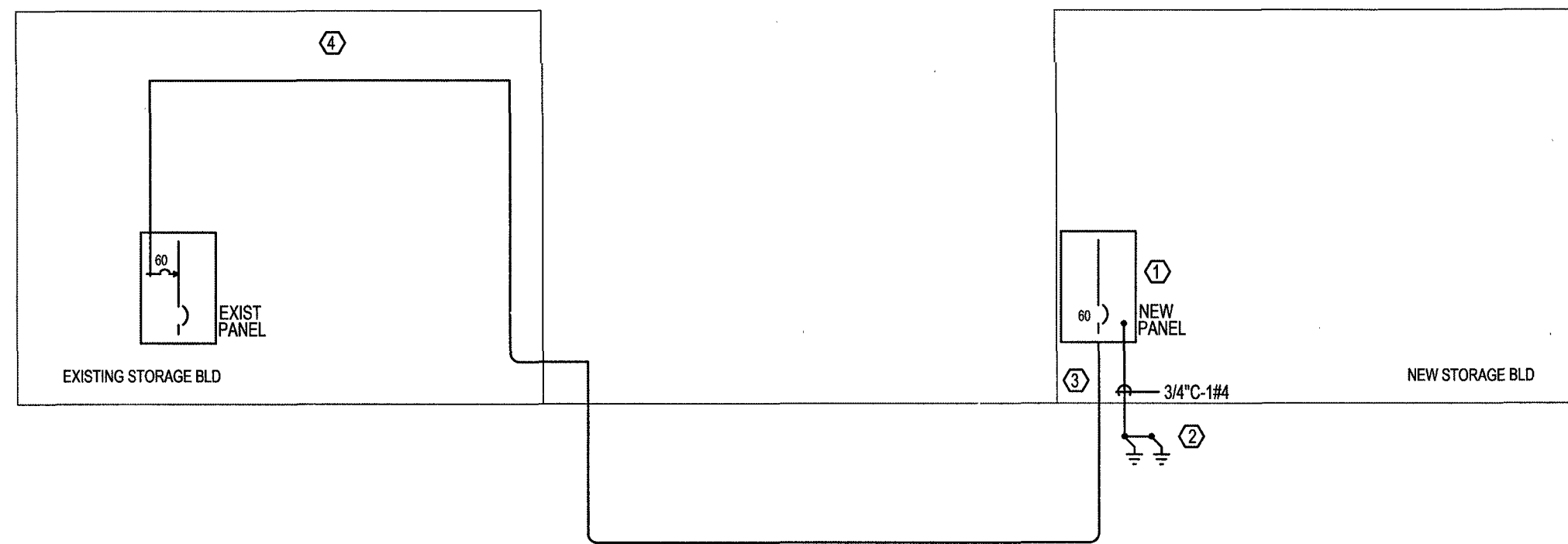
**1 FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES:**

- 1. BRANCH WIRING SHOWN ON PLAN IS 2#12-1#12 GROUND EXCEPT AS NOTED. BRANCH CIRCUITS SHOWN ON PLAN ARE 20A-120V EXCEPT AS NOTED.
- 2. ALL 120V, 20A CIRCUITS WITH HOMERUNS OVER 75 FT. SHALL BE #10 CU. THROUGHOUT ENTIRE CIRCUIT MINIMUM, UNLESS NOTED OTHERWISE. WHERE MULTIPLE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A RACEWAY THE ADJUSTMENT FACTORS IN THE NEC SHALL APPLY.
- 3. SUPPORT NEW LIGHTING FROM BUILDING STRUCTURE IN ACCORDANCE WITH NEC 410.30 AND 410.38.



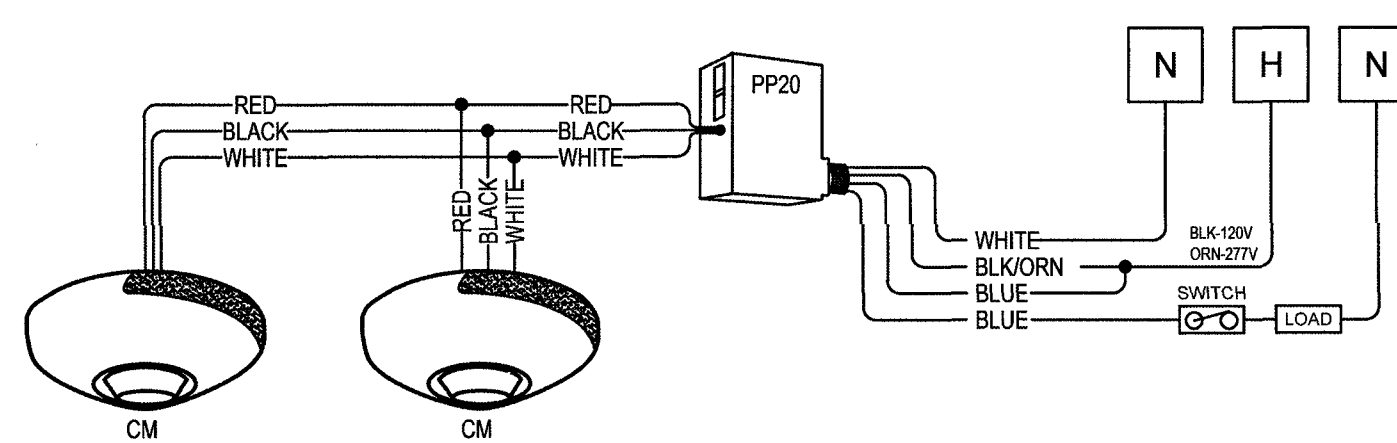
**2 SITE PLAN**  
SCALE: 1"=20'-0"



**ELECTRICAL POWER RISER DIAGRAM**

- NOTE:
- 1. FEEDER CONDUCTORS ABOVE BASED ON COPPER WITH 75" INSULATION MINIMUM.
  - 2. GROUNDING FOR ALL CIRCUITS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

- HEX NOTES:
- ① NEW PANEL, (5000 AIC RATED); SEE PLAN ABOVE FOR DETAILS. IDENTIFY CIRCUITS CONNECTED WITH DIRECTORY UPON COMPLETION OF WORK.
  - ② PROVIDE GROUNDING ELECTRODE CONDUCTOR (W 8 AWG CU) TO TWO (2) GROUND RODS, 8'-0" RODS SPACED 20'-0" APART. PROVIDE LOW IMPEDANCE TESTING PER NEC.
  - ③ PROVIDE CONDUIT SEALS AT SERVICE ENTRANCE PER NEC 230.8 AND 300.5 (G). NEUTRAL CONDUCTOR SHALL BE ELECTRICALLY ISOLATED FROM THE EGC PER NEC 250.32.
  - ④ PROVIDE 4#6 & #10 GND IN 1" C. TO NEW 125A 208/120V, 3 PH, 4W PANEL (30 POLES); 60A MCB IN STORAGE BUILDING.



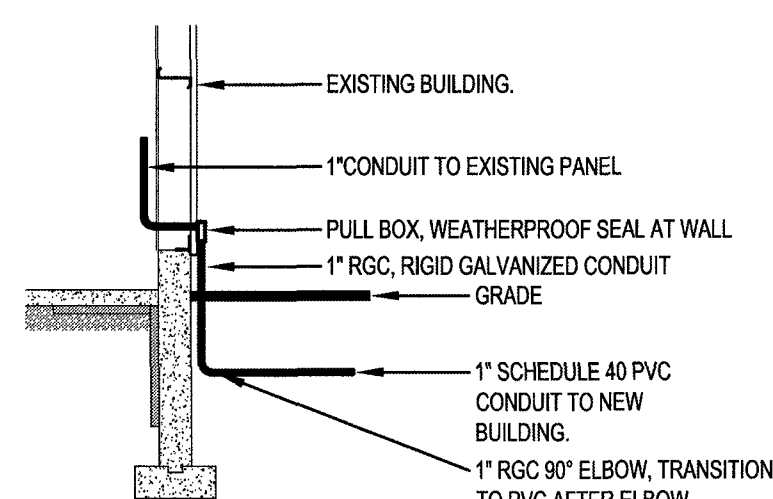
**TYPICAL CEILING OCCUPANCY SENSORS WITH POWER PACK**  
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	REMARKS
Ⓢ	EVENLITE EXIT SIGN # TLWCOM R 1 W CW LOW ENERGY CONSUMPTION, COLD WEATHER MOUNT ABOVE EXIT DOORS EQUAL MANUFACTURERS: DUAL LITE, EATON-SURE LITE	4 WATTS LED	COLD WEATHER RATING VANDAL RESISTANT
Ⓢ	EXTRONIX #LED-RX-2-BL WITH ONE (EACH) REMOTE HEAD (#LED1) MOUNT REMOTE HEAD ABOVE EXIT DOORS ◊SYMBOL INDICATES REMOTE LIGHT HEAD EQUAL MANUFACTURERS: DUAL LITE, EATON-SURE LITE	4 WATTS LED INCLUDED	WET LOCATION, WHITE HOUSING NICKEL CADMIUM BATTERY PROVIDE REMOTE HEAD
A	DAYRITE LBX53L835-UNV-FD LINEAR SUSPENDED LUMINAIRE WITH FLAT LENS CHAIN MOUNTED @ 10FT AFF TO BOTTOM OF FIXTURE EQUAL MANUFACTURERS: LITHONIA, COLUMBIA	41 WATTS LED	INDOOR SUSPENDED LED PROVIDE WITH Y-BRACKET AND CHAIN 6-10 V DIMMABLE

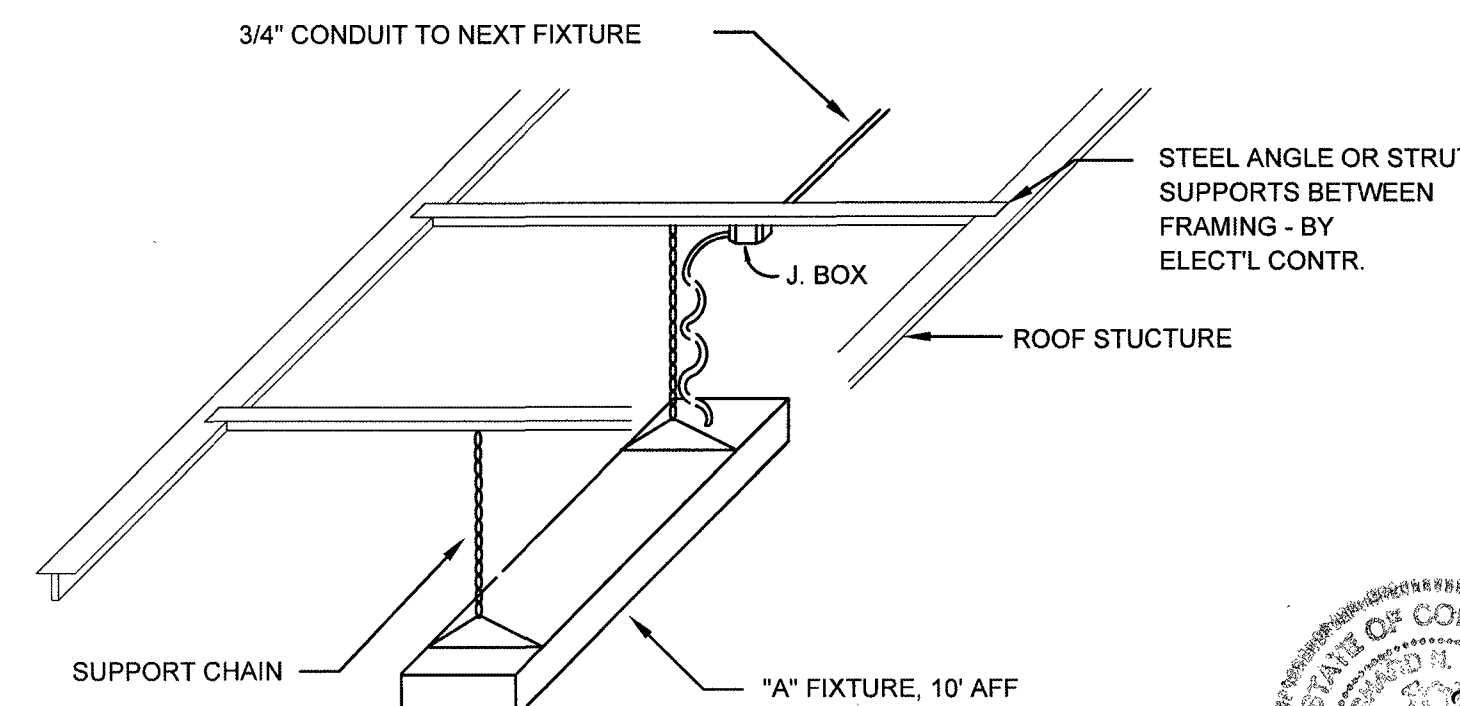
OCCUPANCY SENSOR SCHEDULE  
NOTE: PROVIDE SENSOR CONTROL WIRING IN ACCORDANCE WITH MFR RECOMMENDATIONS

- Ⓢ PHILIPS #RM22550-WHITE FINISH 2000 SQ. FT. COVERAGE (CEILING MOUNTED)
- Ⓢ POWER PACK PHILIPS #CA SERIES
- S WALL SWITCH

LIGHTING CONTROLS TO BE BY:  
PHILIPS  
STEINEL  
ACUITY  
HUBBELL



**WALL PENETRATION AT EXISTING BUILDING**  
NO SCALE



**LIGHT FIXTURE SUPPORT DETAIL**  
NO SCALE

drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
FLOOR PLAN, ELEVATIONS AND BUILDING SECTIONS			REVISIONS		
mark	date	description	drawing prepared by	date	
1	2/28/18	SD/DD SUBMISSION	QGL Consulting Engineers LLC 32 Maple Avenue Windsor, CT	2/28/18	
2	5/8/18	SD/DD RESUBMISSION		scale	1/4"=1'-0"
3	6/4/18	CD SUBMISSION		project	21 HAYESTOWN AVE NEW GARAGE BUILDING DANBURY, CT
4	8/21/18	FINAL BID DOCUMENTS		drawing no.	E1.01
drawing no. 8/18/18/06/07/18/08/09			project no. BI-RT-888		