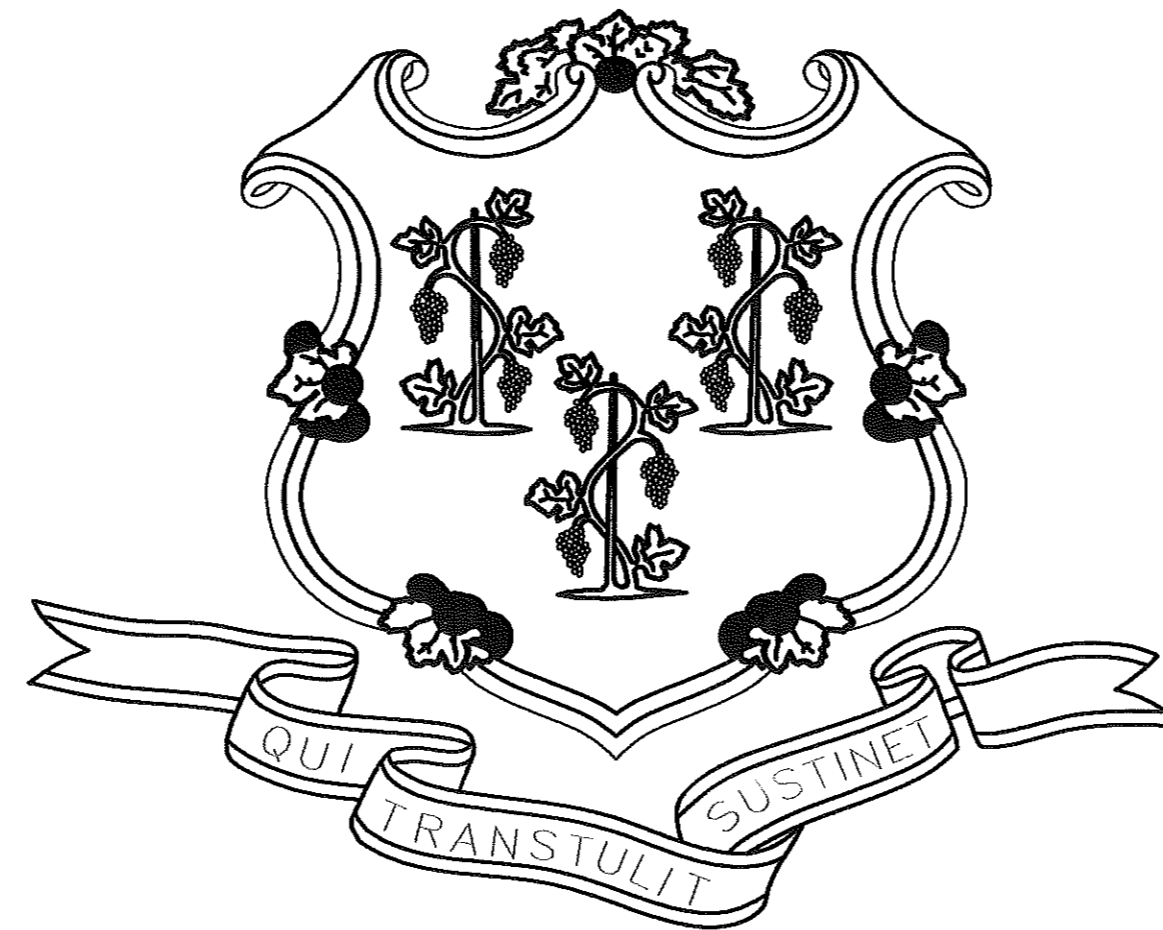


STATE OF CONNECTICUT



DANNEL P. MALLOY GOVERNOR

DEPARTMENT OF ADMINISTRATIVE SERVICES
MELODY A. CURREY
 COMMISSIONER

DEPARTMENT OF MENTAL HEALTH AND
 ADDICTION SERVICES
MIRIAM DELPHIN-RITTMON, Ph.D
 COMMISSIONER

1635 CENTRAL AVENUE
 GBCMHC PARKING GARAGE REPAIRS
 BRIDGEPORT, CONNECTICUT

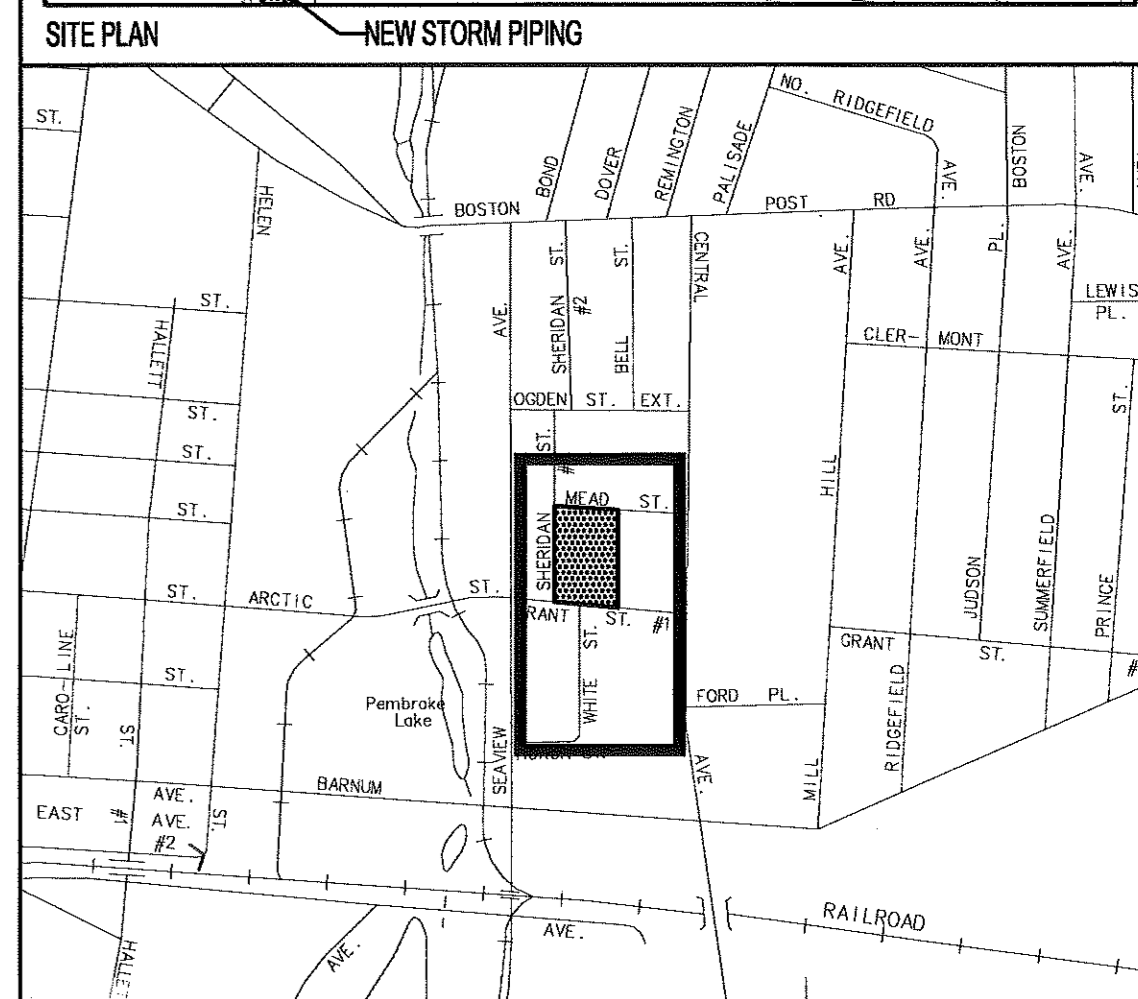
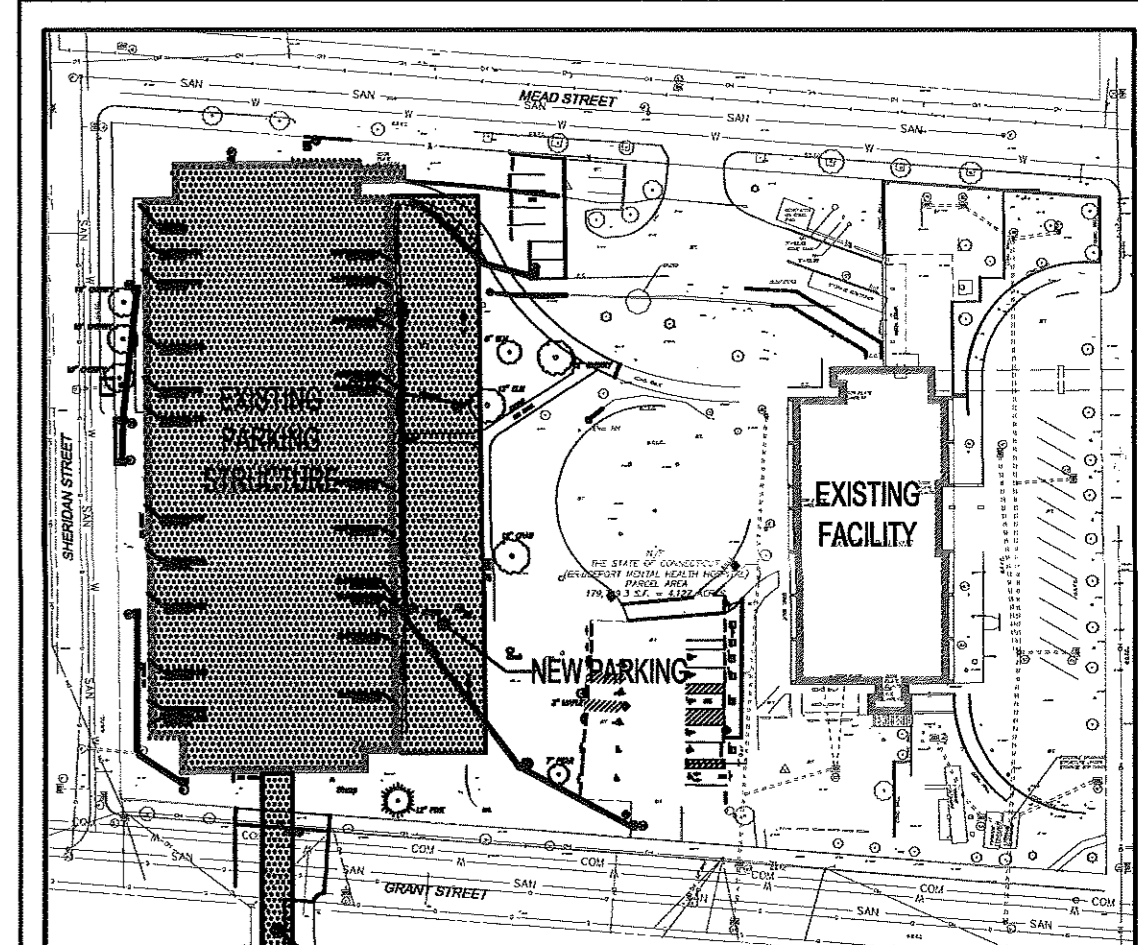
PROJECT NO. BI-MH-121

BVH
 integrated
 services
 50 Griffin Road South
 Bloomfield, CT 06002
 Tel: (860) 286-9171 www.bvhis.com

12/01/2017

NO.	TITLE
GI-100	COVER SHEET GENERAL INFORMATION
1 of 2	SITE SURVEY
2 of 2	SITE SURVEY
C-001	CIVIL ABBREVIATIONS, LEGEND, GENERAL NOTES & CODE DATA
C-100	SITE DEMOLITION PLAN
C-101	SITE DEMOLITION PLAN
C-200	SITE LAYOUT AND MATERIALS PLAN
C-201	SITE LAYOUT AND MATERIALS PLAN
C-202	UPPER LEVEL STRIPING PLAN
C-203	LOWER LEVEL STRIPING PLAN
C-300	SITE ELECTRICAL AND TELECOMMUNICATIONS PLAN
C-400	SITE GRADING AND DRAINAGE PLAN
C-401	SITE GRADING AND DRAINAGE PLAN
C-402	SITE GRADING AND DRAINAGE PLAN AND PROFILE
C-500	SOIL EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE
C-501	SOIL EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE
C-502	SOIL EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE
C-503	SOIL EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE
C-504	SOIL EROSION AND SEDIMENT CONTROL NARRATIVE & DETAILS
C-505	SOIL EROSION AND SEDIMENT CONTROL DETAILS
C-600	SITE DETAILS
C-601	SITE DETAILS
C-602	SITE DETAILS
C-603	SITE DETAILS
C-604	CITY OF BRIDGEPORT DETAILS
C-701A	LOWER LEVEL FLOOR PLAN 'A'
C-701B	LOWER LEVEL FLOOR PLAN 'B'
C-702A	UPPER LEVEL FLOOR PLAN 'A'
C-702B	UPPER LEVEL FLOOR PLAN 'B'
C-800	BUILDING ELEVATIONS
C-900	ENLARGED FLOOR PLANS, SECTIONS, AND DETAILS
C-901	ENLARGED FLOOR PLANS, SECTIONS, AND DETAILS
C-902	DETAILS
S-001	GENERAL NOTES, ABBREVIATIONS AND DRAWING LIST
SD-100A	LOWER LEVEL DEMOLITION PLAN AREA 'A'
SD-100B	LOWER LEVEL DEMOLITION PLAN AREA 'B'
SD-201A	UPPER LEVEL FRAMING PLAN AREA 'A' DEMOLITION PLAN
SD-201B	UPPER LEVEL FRAMING PLAN AREA 'B' DEMOLITION PLAN
S-100A	LOWER LEVEL AREA 'A'
S-100B	LOWER LEVEL AREA 'B'
S-200A	UPPER LEVEL FRAMING PLAN AREA 'A'
S-200B	UPPER LEVEL FRAMING PLAN AREA 'B'
S-300	FOUNDATION DETAILS
S-301	FOUNDATION DETAILS
S-302	FOUNDATION DETAILS
S-400	DEMO FRAMING DETAILS
S-401	NEW FRAMING DETAILS
S-402	NEW FRAMING DETAILS
S-403	NEW FRAMING DETAILS
MEP-100	MEPT GENERAL NOTES AND ABBREVIATIONS
MEP-101	MEPT SYMBOL LIST
M-100A	LOWER LEVEL MECHANICAL PLAN AREA 'A'
M-100B	LOWER LEVEL MECHANICAL PLAN AREA 'B'
M-101A	UPPER LEVEL MECHANICAL PLAN AREA 'A'
M-101B	UPPER LEVEL MECHANICAL PLAN AREA 'B'
M-102	MECHANICAL DETAILS AND SCHEDULES
EL-100A	LOWER LEVEL ELECTRICAL LIGHTING PLAN AREA 'A'
EL-100B	LOWER LEVEL ELECTRICAL LIGHTING PLAN AREA 'B'
EL-101A	UPPER LEVEL ELECTRICAL LIGHTING PLAN AREA 'A'
EL-101B	UPPER LEVEL ELECTRICAL LIGHTING PLAN AREA 'B'
EPS-100A	LOWER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'A'
EPS-100B	LOWER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'B'
EPS-101A	UPPER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'A'
EPS-101B	UPPER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'B'
E-300	ELECTRICAL POWER RISER DIAGRAM
E-400	ELECTRICAL DETAILS
E-401	ELECTRICAL DETAILS

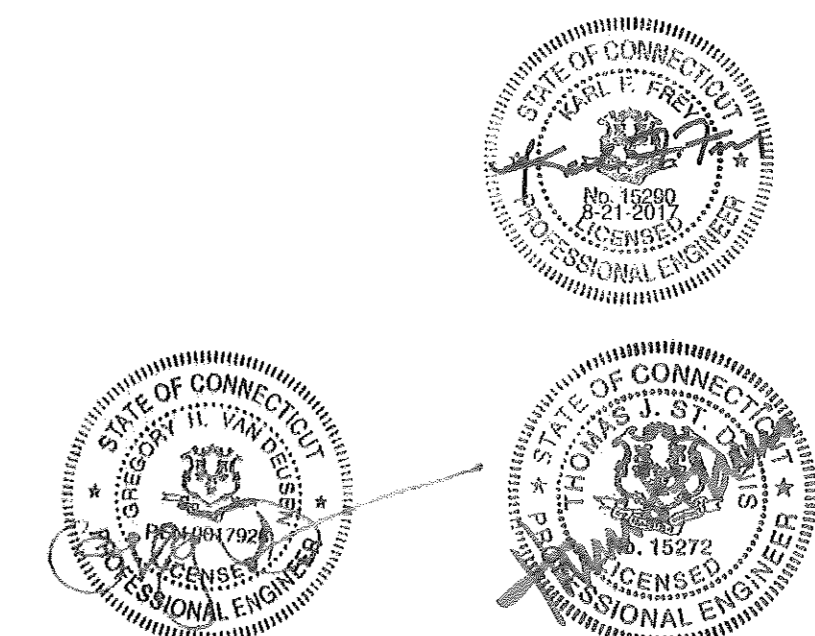
D.C.S BUILDING NUMBER 02912



LOCATION PLAN
 APPROVALS

Melody A. Currey 1/3/18
 DEPT. OF ADMINISTRATIVE SERVICES DATE

Miriam Delphin-Rittmon 1/8/18
 AGENCY DATE



NATURAL VENTILATION

IBC 2012 - 406.5.2 Openings.
For natural ventilation purposes, the exterior side of the structure shall have uniformly distributed openings on two or more sides. The area of such openings in exterior walls on a tier shall be not less than 20 percent of the total perimeter wall area of each tier. The aggregate length of the openings considered to be providing natural ventilation shall be not less than 40 percent of the perimeter of the tier. Interior walls shall be not less than 20 percent open with uniformly distributed openings.

See C-800 Building Elevations drawing for calculations

Use & Occupancy Classification
Low-hazard storage, Group S-2

Special Detailed Requirements Based on Use & Occupancy

Height: Clear Height - 7 feet minimum
Ramps: Vehicle ramps shall not serve as an exit element - not used as exit element
Surface: Concrete or similar noncombustible & nonabsorbent materials - CIP concrete
Exception: Asphalt parking surfaces permitted at ground level - asphalt on 1st level
Open Parking Garage: Construction Type: Open Parking Garage of Type IIB Construction
Openings: Openings on 2+ sides & area > 20% of perimeter wall area per tier - meets requirement
The length of openings to be a min of 40% of perimeter of tier - meets requirement
For Type IIB - 43,420 SF/Tier & 8 Tiers -> actual 38,726 SF & 2 Tiers
Height & Area:
Automatic Sprinkler Sys: Not required - for open parking garage - garage is unsprinklered
Standpipe System: Not required - highest level less than 30 feet above forty department access
Mechanical Ventilation: Not required - for open parking garage

Types of Construction - Type IIB

Structural Frame 0 Hour
Bearing Walls - Ext/Int 0 Hour
Non-Bearing Walls - Ext 0 Hour
Non-Bearing Walls - Int 0 Hour
Floor Construction 0 Hour
Roof Construction 0 Hour

Fire Protection Systems

Automatic Sprinkler System - not required - for open parking garage
Standpipe System - not required - highest story < 30 ft above lowest level of fire dept vehicle access

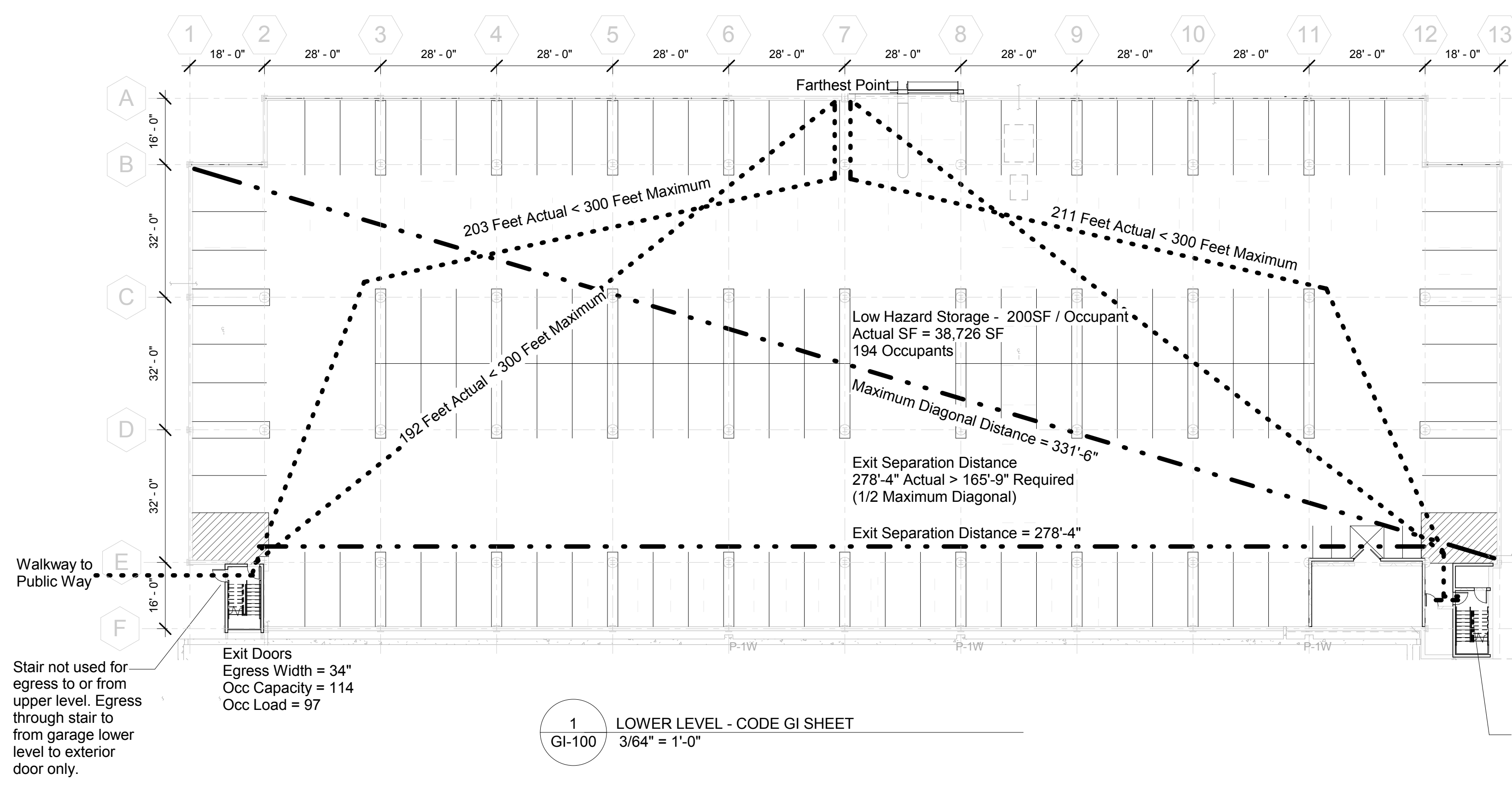
Means of Egress

Occupant Load: Parking garages - 200 gross SF /occupant
Egress Width: .37/occupant for stairs; .27/occupant for all other egress components
Door width: 32" clear min; Stair Width: 44" clear min; Guards: 42" high min
Number of Exits: 2 min per level - for 1-500 occupants - actual = 200 occupants
Stairs: Not required to be enclosed - between 2 levels only and in open parking garage

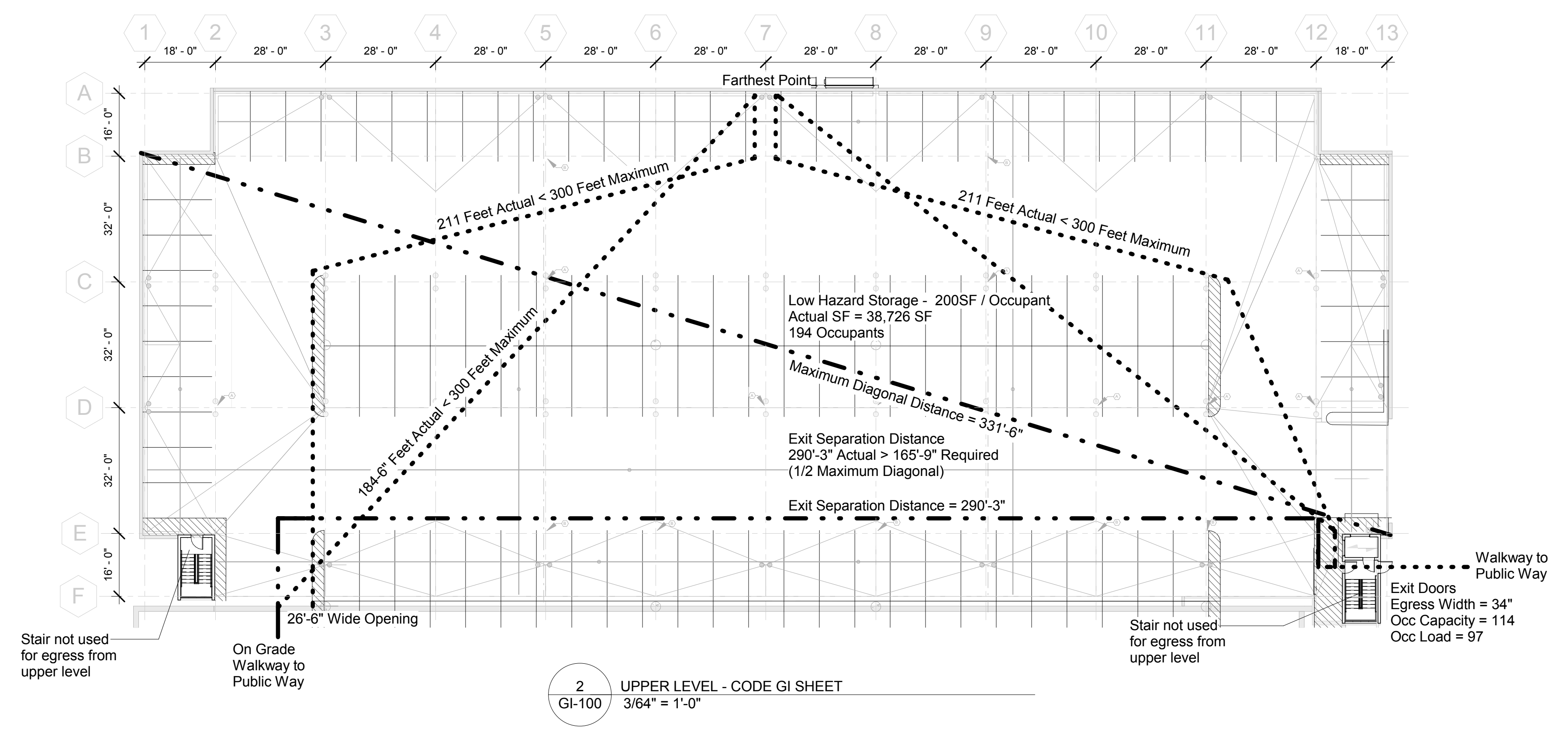
CODES LISTED BELOW APPLY TO ALL DRAWINGS AND SPECIFICATIONS ON THIS PROJECT

CODES LISTED BELOW APPLY TO ALL DRAWINGS AND SPECIFICATIONS ON THIS PROJECT

- 2016 CONNECTICUT STATE BUILDING CODE INCLUDING ERRATA #1
- 2016 CONNECTICUT STATE FIRE SAFETY CODE
- CURRENTLY ADOPTED MODEL CODES WITH CT AMENDMENTS:
 - o 2012 INTERNATIONAL BUILDING CODE (IBC)
 - o 2012 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 - o 2012 INTERNATIONAL PLUMBING CODE (IPC)
 - o 2012 INTERNATIONAL MECHANICAL CODE (IMC)
 - o 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
 - o 2014 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)
 - o 2009 ICC/ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2016 CONNECTICUT STATE FIRE SAFETY CODE
- CURRENTLY ADOPTED MODEL CODES WITH CT AMENDMENTS:
 - o NEW CONSTRUCTION - 2012 INTERNATIONAL FIRE CODE
 - o EXISTING BUILDINGS/OCCUPANCIES - 2012 NFPA 101, LIFE SAFETY CODE



1 LOWER LEVEL - CODE GI SHEET
3/64" = 1'-0"



2 UPPER LEVEL - CODE GI SHEET
3/64" = 1'-0"

PER TABLE 3412.8, MANDATORY SAFETY SCORES* FOR S-2 OCCUPANCY

FIRE SAFETY (MFS) = 29
MEANS OF EGRESS (MME) = 39
GENERAL SAFETY (MG) = 39

TABLE 3412.9 EVALUATION FORMULAS*

FORMULA	T.3412.7			T.3412.8	SCORE	PASS	FAIL
FS-MFS >or= 0	42.6	(FS)	-	29 (MFS) =	+13.6	YES	NO
ME-MFE >or= 0	50.6	(ME)	-	39 (MME) =	+11.6	YES	NO
GS-MGS >or= 0	50.6	(GS)	-	39 (MGS) =	+11.6	YES	NO

FS = Fire Safety
ME = Means of Egress
GS = General Safety
MFS = Mandatory Fire Safety
MME = Mandatory Means of Egress
MGS = Mandatory General Safety

2012 IBC - CHAPTER 34 - EXISTING BUILDINGS AND STRUCTURES TABLE 3412.7 SUMMARY SHEET - BUILDING CODE

Existing occupancy: Low Hazard Storage S-2	Proposed occupancy: Unchanged
Year building was constructed: 1973	Number of stories: 2 Height in feet: 10
Type of construction: Type IIB	Area per floor: 38,726
Percentage of open perimeter increase: 138%	
Completely suppressed: Yes No X	Corridor wall rating: N/A
Compartmentation: Yes No X	Required door closers: Yes No X
Fire-resistance rating of vertical opening enclosures: 0 Hour	
Type of HVAC system: N/A	Number of floors: N/A
Automatic fire detection: Yes No X	Type and location: N/A
Fire alarm system: Yes X No	Type: Manual
Smoke control: Yes No X	Type: N/A
Adequate exit routes: Yes X No	Dead ends: Yes No X
Maximum exit access travel distance: 300 Feet	Elevator controls: Yes No X
Means of egress emergency lighting: Yes X No	Mixed occupancies: Yes No X

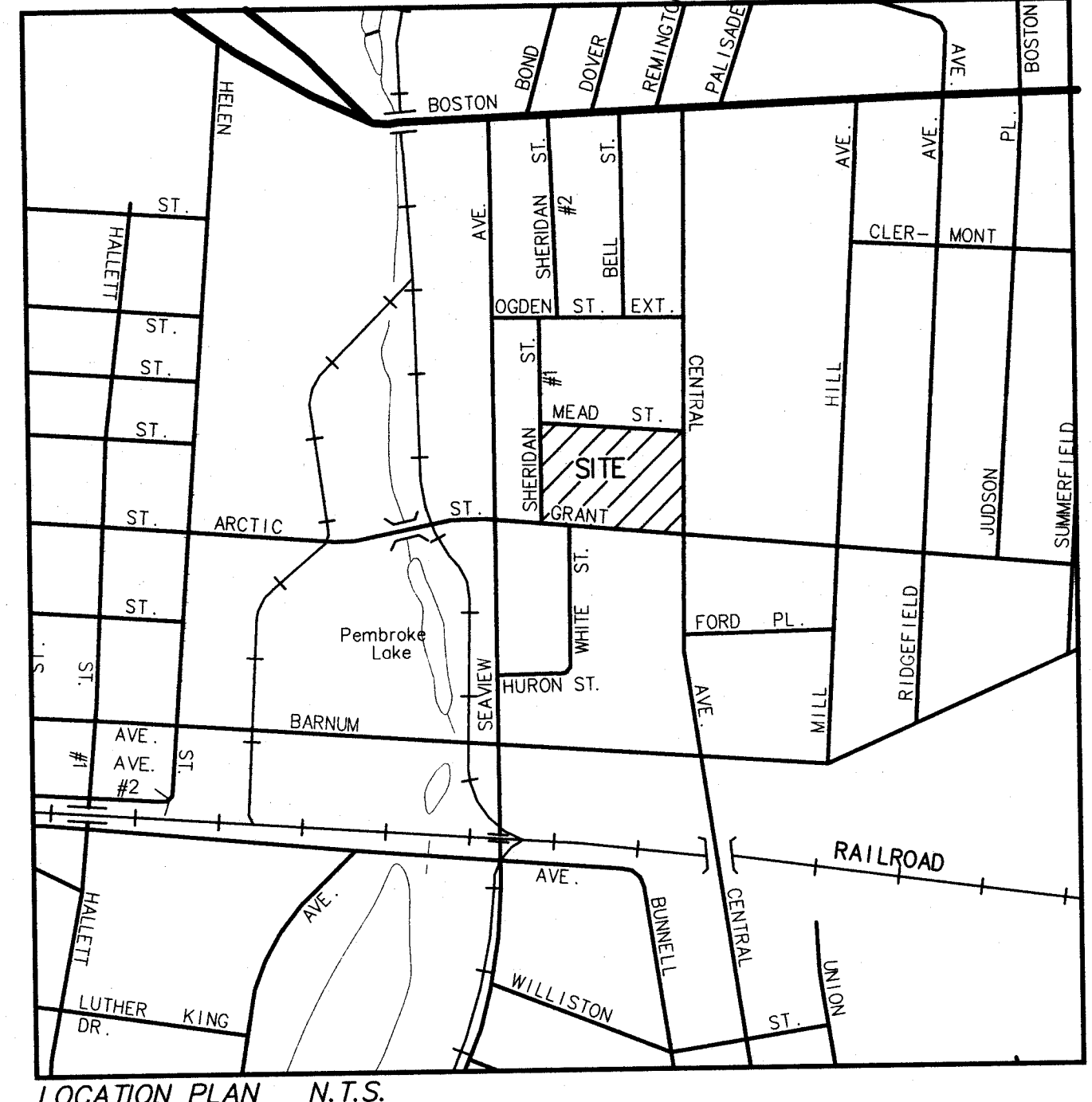
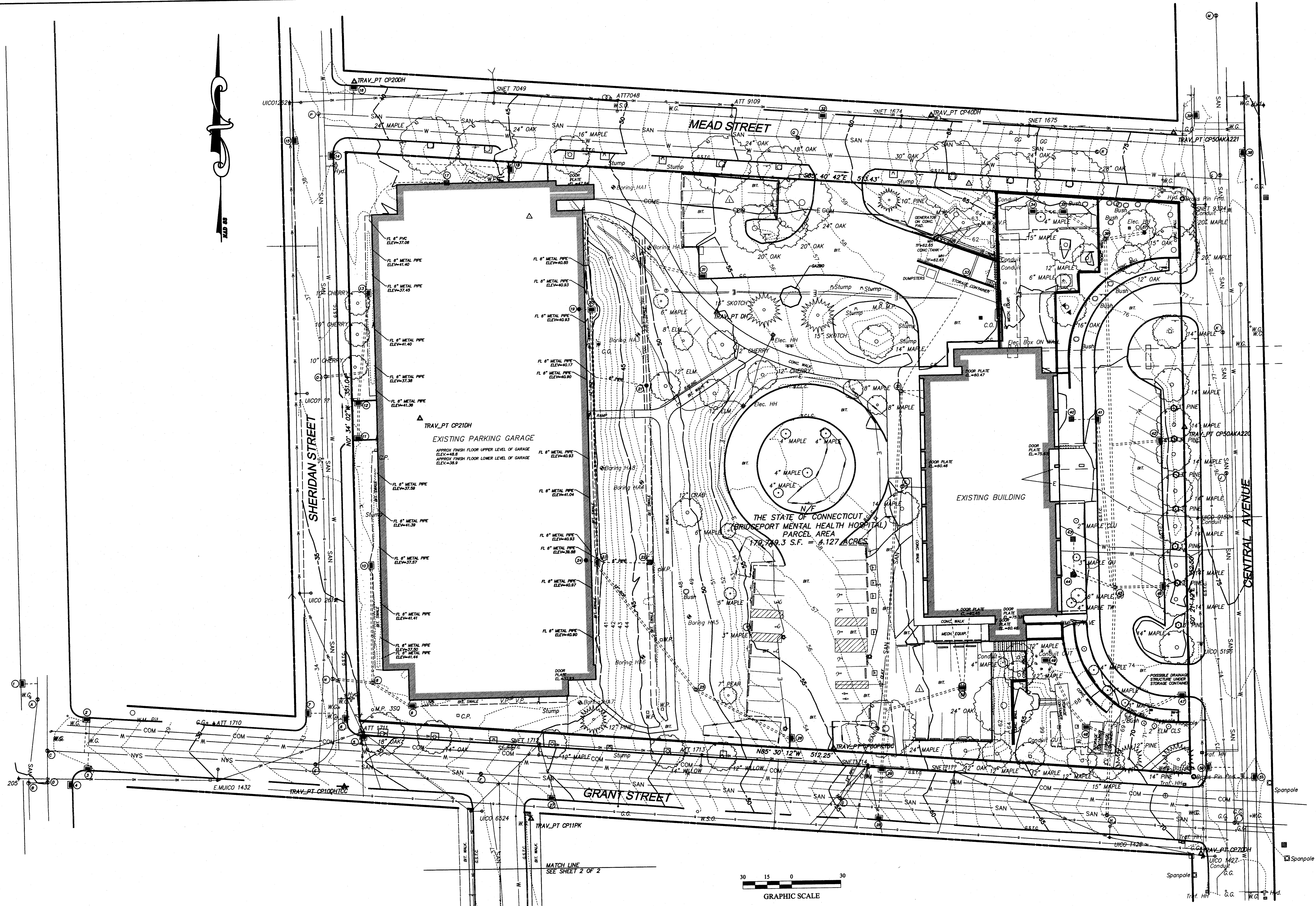
SAFETY PARAMETERS	FIRE SAFETY (FS)	MEANS OF EGRESS (ME)	GENERAL SAFETY (GS)
3412.6.1 Building Height	3.6	3.6	3.6
3412.6.2 Building Area	19	19	19
3412.6.3 Compartmentation	0	0	0
3412.6.4 Tenant and Dwelling Unit Separations	0	0	0
3412.6.5 Corridor Walls	0	0	0
3412.6.6 Vertical Openings	7	7	7
3412.6.7 HVAC Systems	5	5	5
3412.6.8 Automatic Fire Detection	0	0	0
3412.6.9 Fire Alarm Systems	10	10	10
3412.6.10 Smoke Control	***	0	0
3412.6.11 Means of Egress Capacity	***	0	0
3412.6.12 Dead Ends	***	2	2
3412.6.13 Maximum Exit Access Travel Distance	***	6	6
3412.6.14 Elevator Control (grade access each level)	-2	-2	-2
3412.6.15 Means of Egress Emergency Lighting	***	0	0
3412.6.16 Mixed Occupancies	0	***	0
3412.6.17 Automatic Sprinklers	0	0/2 = 0	0
3412.6.18 Standpipes	0	0	0
3412.6.19 Incidental Use	0	0	0
Building Score -- Total Value	42.6	50.6	50.6

*No applicable value to be inserted.

NOTES

- The project is not a threshold building, as defined.
- Project Name: Greater Bridgeport Community Mental Health Center Garage Repair & Expansion
 - Project Location: 1635 Central Avenue, Bridgeport, CT
 - Type of Work: Alterations
 - Building Information:
 - IIB - Construction Type 10 FT - Height
 - S-2 - Use Group 2 - Number of Stories
 - 38,726 - SF Per Story

drawing title GENERAL INFORMATION		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrated services		date 12-1-2017	scale 3/64" = 1'-0"
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by JES	approved by MLI
CAD no. ARCH R16.rvt	project no. BLMH-121	drawing no. GI-100	



SANITARY AND STORM DRAINAGE DATA

SMH-A T.F. = 25.89 F.L. = 14.09 - (24"RCP) N F.L. = 13.79 - (24"RCP) S	SMH-B T.F. = 24.8 F.L. = 13.6 - (24"RCP) N F.L. = 12.1 - (12"RCP) S F.L. = 13.5 - (24"RCP) S	SMH-C T.F. = 25.79 F.L. = 18.79 - (10X15" PIPE) N F.L. = 19.39 - (10X15" PIPE) E F.L. = 18.69 - (10X15" PIPE) S F.L. = 21.7924"RCP	SMH-D T.F. = 25.23 F.L. = 18.33 - (12" N F.L. = 18.13 - (12" W F.L. = 18.73 - (12" S	SMH-E T.F. = 33.51 F.L. = 28.01 - (10X15" PIPE) N F.L. = 24.71 - (10X15" PIPE) W F.L. = 24.71 - (10X15" PIPE) E	SMH-F T.F. = 37.72 F.L. = 26.52 - (10X15" PIPE) W F.L. = 26.52 - (10X15" PIPE) E	SMH-G T.F. = 55.51 F.L. = 42.96 - (12" PVC) W F.L. = 48.11 - (12"RCP) N F.L. = 48.01 - (12"RCP) E	SMH-H T.F. = 68.19 F.L. = 60.79 - (12" PVC) W F.L. = 61.09 - (12" PVC) N F.L. = 60.39 - (12" PVC) E	SMH-I T.F. = 72.7 F.L. = 63 - (12" PVC) W F.L. = 64 - (12" PVC) W F.L. = 66.4 - (6" PVC) NE F.L. = 68.5 - (6" PVC) NE F.L. = 63.6 - (12" CLAY) E	SMH-J T.F. = 76.25 F.L. = 67.55 - (10X15" PIPE) N F.L. = 67.55 - (10X15" PIPE) S	SMH-K T.F. = 77.6 F.L. = 68.1 - (10X15" PIPE) N F.L. = 68.1 - (10X15" PIPE) N F.L. = 68.4 TOP OF PIPE	SMH-L T.F. = 79.35 F.L. = 68.75 - (10X15" PIPE) N F.L. = 68.65 - (10X15" PIPE) N F.L. = 69.75 - (24"RCP) E	SMH-M T.F. = 80.18 F.L. = 69.18 - (10X15" PIPE) N F.L. = 69.33 - (10X15" PIPE) N	SMH-N T.F. = 34.4 F.L. = 27.2 - (12" PVC) N F.L. = 27.4 - (12"RCP) E F.L. = 27.2 - (12"RCP) S	SMH-O T.F. = 36.68 F.L. = 30.48 - (12" PVC) N F.L. = 30.68 - (12"RCP) E F.L. = 30.28 - (12"RCP) S	SMH-P T.F. = 36.85 F.L. = 33.75 - (12" PVC) E F.L. = 32.95 - (12"RCP) N F.L. = 32.95 - (12"RCP) S	SMH-Q T.F. = 57.96 F.L. = 49.96 - (12"RCP) W F.L. = 49.96 - (12"RCP) E	SMH-R T.F. = 73.45 F.L. = 63.35 - (8" PVC) SE F.L. = 62.85 - (12"RCP) W	SMH-S T.F. = 59.84 F.L. = 57.04 - (10" CLAY) E F.L. = 55.24 - (10" CLAY) E F.L. = 55.34 - (10" CLAY) S	SMH-T T.F. = 56.69 F.L. = 51.59 - (12"RCP) N F.L. = 51.89 - (12"RCP) NE F.L. = 51.19 - (12"RCP) SW	COB-1 T.F. = 25.01 F.L. = 21.21 - (10" METAL)	COB-2 T.F. = 25.69 F.L. = 21.79 - (10" METAL)	COB-3 T.F. = 25.73 F.L. = 25.28 F.L. = 22.28 - WATER	COB-4 T.F. = 25.3 F.L. = 25.12 F.L. = 25.84 - WATER	COB-5 T.F. = 33.8 F.L. = 30.4 - WATER/DEBRIS	COB-6 T.F. = 33.75 F.L. = 31.55	COB-7 T.F. = 33.17 F.L. = 29.17 - FILLED WITH DEBRIS	COB-8 T.F. = 37.01 F.L. = 29.41 - (12"RCP) W F.L. = 31.81 - (12"RCP) N F.L. = 31.71 - (12"RCP) SE	COB-9 T.F. = 36.69 F.L. = 34.29 - TOP OF BAFFLE F.L. = 32.89 - TOP OF DEBRIS	COB-10 T.F. = 36.39 F.L. = 34.89 - TOP OF BAFFLE F.L. = 33.29 - WATER	COB-11 T.F. = 36.89 F.L. = 34.58 - TOP OF BAFFLE F.L. = 32.68 - TOP OF DEBRIS	COB-12 T.F. = 37.11 F.L. = 33.11 - (12"RCP) S F.L. = 33.81 - (TOP OF BAFFLE) NE	COB-13 T.F. = 36.54 F.L. = 32.14 - (12"RCP) S F.L. = 32.74 - (12"RCP) N	COB-14 T.F. = 37.83 F.L. = 34.83 - TOP OF BAFFLE W F.L. = 34.23 - WATER	COB-15 T.F. = 37.81 F.L. = 33.51	COB-16 T.F. = 36.83 F.L. = 36.33 - FILLED WITH DEBRIS	COB-17 T.F. = 42.35 F.L. = 41.15 - (8" OP) W	COB-18 T.F. = 45.73 F.L. = 43.13 - TOP OF BAFFLE F.L. = 41.43 - TOP OF DEBRIS	COB-19 T.F. = 37.4 F.L. = 37.12 - (8" CLAY) S	COB-20 T.F. = 38.89 F.L. = 35.29 - (4" PIPE) W F.L. = 34.99 - (12"RCP) S F.L. = 30.28 - (12"RCP) S	COB-21 T.F. = 42.04 F.L. = 43.44 - TOP OF DEBRIS	COB-22 T.F. = 45.73 F.L. = 43.2 - TOP OF DEBRIS	COB-23 T.F. = 39.12 F.L. = 36.42 - TOP OF BAFFLE N F.L. = 36.02 - (4" PIPE) W F.L. = 34.82 - (12"RCP) SE	COB-24 T.F. = 37.45 F.L. = 36.45 - TOP OF DEBRIS	COB-25 T.F. = 48.97 F.L. = 42.07 - (12" OP) SE F.L. = 41.77 - (12"RCP) NW	COB-26 T.F. = 52.79 F.L. = 48.29 - (12"RCP) NW	COB-27 T.F. = 38.83 F.L. = 44.43 - (8" CLAY) N F.L. = 34.23 - WATER	COB-28 T.F. = 36.28 F.L. = 32.28 - WATER	COB-29 T.F. = 36.34 F.L. = 32.84 - WATER	DMH-30 T.F. = 60.8 F.L. = 54.2 - (10" CLAY) N F.L. = 57.3 - (10" CLAY) E F.L. = 54.16 - (10" CLAY) E F.L. = 56.4 - (10" CLAY) E F.L. = 54.0 - (12"RCP) S	DMH-31 T.F. = 54.21 F.L. = 48.86 - (15"RCP) W	DMH-32 T.F. = 56.55 F.L. = 51.81 - (12"RCP) N F.L. = 0 - TOP OF DEBRIS	TRENCH DRAIN-33 T.F. = 65.69 F.L. = 53.79 - (10" CLAY)	COB-34 T.F. = 74.42 F.L. = 71.22 - (12"RCP) E	COB-35 T.F. = 74.14 F.L. = 70.54 - (12" OP) W F.L. = 70.54 - (12" OP) W	DMH-36 T.F. = 76.73 F.L. = 69.73 - (12"RCP) W F.L. = 69.63 - (12"RCP) E F.L. = 69.43 - (15"RCP) W	RCB-37 T.F. = 76.27 F.L. = 73.27 - (12"RCP) W	COB-38 T.F. = 78.82 F.L. = 75.92 - TOP OF DEBRIS	COB-39 T.F. = 78.14 F.L. = 75	SOCB-40 T.F. = 75 F.L. = 73.1 - (8" CLAY) E	COB-41 T.F. = 74.4 F.L. = 70.6 - (8" CLAY) W F.L. = 69.4 - (15"RCP) S	COB-42 T.F. = 73.28 F.L. = 67.78 - (12"RCP) W	SOCB-43 T.F. = 75.02 F.L. = 73.12 - (8" CLAY) S	SOCB-44 T.F. = 74.82 F.L. = 73.22 - TO TOP OF DEBRIS	DMH-45 T.F. = 74.15 F.L. = 64.45 - (15"RCP) W F.L. = 70.95 - (8" CLAY) W F.L. = 64.35 - (15"RCP) S F.L. = 45.44 - TOP OF DEBRIS	COB-46 T.F. = 73.34 F.L. = 63.44 - (15"RCP) W	COB-47 T.F. = 72.97 F.L. = 64.87 - (15"RCP) W	COB-48 T.F. = 67.34 F.L. = 62.64 - (12"RCP) NW	COB-49 T.F. = 67.82 F.L. = 63.22 - (12"RCP) SE	COB-50 T.F. = 71.47 F.L. = 68.37 - (TOP OF DEBRIS)	COB-51 T.F. = 72.68 F.L. = 70.18 - (TOP OF DEBRIS)	COB-52 T.F. = 59.88 F.L. = 55.75 - (8" CLAY) NE F.L. = 55.25 - (8" CLAY) N F.L. = 54.45 - (12"RCP) SW
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LEGEND

UTILITY SERVICES (UNDERGROUND OR OVERHEAD)

- E - ELECTRIC SERVICE
- G - GAS PIPES
- SAN - SANITARY SEWER PIPES
- - - - - STORM WATER PIPES (LESS THAN 12")
- STORM WATER PIPES (12" OR LARGER)
- STM - STEAM PIPES (SUPPLY & COND.)
- T - TELEPHONE SERVICE
- W - WATER PIPES
- COM - COMMUNICATION/FIBER OPTIC SERVICE
- FP - FIRE PROTECTION PIPES
- UG - UNKNOWN UTILITY SERVICE
- OH - OVERHEAD WIRES

PROPERTY/BOUNDARY LINES

- PROPERTY/BOUNDARY LINES (CLASS A-2)
- PROPERTY/BOUNDARY LINES (CLASS D)
- - - - - EASEMENT LINES

FEATURE LINES

- CURBED ROADWAY
- EDGE OF PAVED ROAD/DRIVE
- BUILDING ROOFLINE (AERIAL PHOTOS)
- RETAINING WALL
- STOCKADE FENCE
- CHAIN LINK/WIRE FENCE
- TREE/VEGETATION LINE
- STONE WALL
- SURFACE WATER (WATERCOURSE)
- WETLANDS LIMIT
- EDGE OF LANDSCAPING
- INTERMEDIATE CONTOUR
- INDEX CONTOUR

SYMBOL LEGEND

- CATCH BASIN
- ROUND DRAIN
- SQUARE DRAIN
- ⊙ STORM DRAIN MANHOLE
- ⊖ ELECTRIC MANHOLE
- ⊕ SANITARY MANHOLE
- ⊗ STEAM MANHOLE
- ⊘ TELEPHONE MANHOLE
- ⊙ WATER MANHOLE
- ⊖ MANHOLE (OF UNKNOWN TYPE)
- ⊕ HAND HOLE (SQ. / REC.)
- W.S.O. WATER VALVE
- W.S.O. WATER SHUT OFF
- G.G. GAS VALVE
- HYDRANT
- COMBO STANDPIPE
- GUY WIRE
- SIGN (SINGLE POST)
- SIGN (DOUBLE POST)
- ⊙ BORING (AS DRILLED)
- ⊙ BORING (AS STACKED)
- x 427.3 SPOT ELEVATION
- x 427.3 WETLANDS FLAG
- UTILITY MONUMENT (SET AS 2' OFFSET)
- IRON PIPE OR REBAR FOUND
- IRRIGATION CONTROL BOX
- TRAFFIC CONTROLLER CABINET
- UTILITY POLE
- UTILITY POLE W/ LIGHT
- STREET LIGHT
- LIGHT POST
- BOLLARD LIGHT
- BOULDER / ROCK
- CONIFER SHRUB
- DECIDUOUS SHRUB
- DECIDUOUS TREE (SAPLING)
- DECIDUOUS TREE
- CONIFER TREE

ABBREVIATIONS

- A/C AIR CONDITIONER
- A/T&T AMERICAN TELEPHONE & TELEGRAPH COMPANY
- B.T.M. BIRMINGHAM
- BLK. BLACK
- CB CATCH BASIN
- COM. COMMUNICATION
- CON. CONIFER
- CONC. CONCRETE
- C.N.G. CONNECTICUT NATURAL GAS CENTERLINE
- CL. CHAIN LINK FENCE
- CL&P CONNECTICUT LIGHT & POWER COMPANY CONTROL POINT
- DEC. DECIDUOUS
- DMH. DRAINAGE MANHOLE
- E. EAST OR ELECTRIC
- EL. ELECTRIC
- ELEV. ELEVATION
- EMH. ELECTRIC MANHOLE
- F.L. FLOW LINE
- FND. FOUND
- GRAN. GRANITE
- OST. GRANITE STONE CURB
- HELCO HARTFORD ELECTRIC COMPANY
- HYD. HYDRANT
- H.P. HAND HOLE
- L.P. LIGHT POLE
- M. MANHOLE
- M. METER
- M.W. MONITOR WELL
- N. NORTH
- NAD. NORTH AMERICAN DATUM
- NAVD. NATIONAL AMERICAN VERTICAL DATUM
- NORTHEAST
- N/F. NOW OR FORMERLY
- NORTHWEST
- PVC. POLYVINYL CHLORIDE
- P.I.V. POST INDICATOR VALVE
- RET. RETAINING
- RC.P. REINFORCED CONCRETE PIPE
- R.L. RAIN LEADER
- S. SOUTH OR SUPPLY
- SE. SOUTHEAST
- SW. SOUTHWEST
- SAN. SANITARY
- SMH. SANITARY MANHOLE
- SNCT. SOUTHERN NEW ENGLAND TELEPHONE SQUARE
- STM. STEAM
- TMH. TELEPHONE MANHOLE
- TEL. TELEPHONE
- T.F. TOP OF FRAME
- UNK. UNKNOWN
- W. WATER OR WEST
- W.G. WATER GATE

SURVEY NOTES

- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THRU 20-300B-20 AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 25, 1986. THE TYPE OF SURVEY IS A PROPERTY BOUNDARY, TOPOGRAPHIC AND GENERAL LOCATION SURVEY. THE BOUNDARY DETERMINATION CATEGORY IS RE-SURVEY. THE ACCURACIES ARE AS FOLLOWS:
 - HORIZONTAL CONTROL CLASS "A-2"
 - VERTICAL CONTROL CLASS "V-2"
 - BOUNDARY CLASS "A-2"
 - TOPOGRAPHY CLASS "T-2"
 - SURFACE UTILITIES CLASS "T-2"
- THE COORDINATES AND ELEVATIONS DEPICTED ON THE PLAN REPRESENT THE NAD '83 AND THE NAVD '88 DATUMS. COORDINATES WERE ESTABLISHED ON THE SITE BASED UPON GPS OBSERVATIONS TAKEN ON NOVEMBER 2015 USING TRIMBLE CENS R/R X9 RECEIVERS AND SOLUTIONS PROVIDED THROUGH THE KETNET NETWORK.
- UNDERGROUND UTILITIES (IF DETECTED) HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND ALFRED BENECH & COMPANY DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE THE EXISTENCES OF WHICH ARE UNKNOWN TO ALFRED BENECH & COMPANY. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION. CALL "CALL BEFORE YOU DIG" 1-800-922-4455.
- TOTAL PARCEL AREA IS 179,749.3 SQ. FT. = 4.127 AC.

MAP REFERENCES

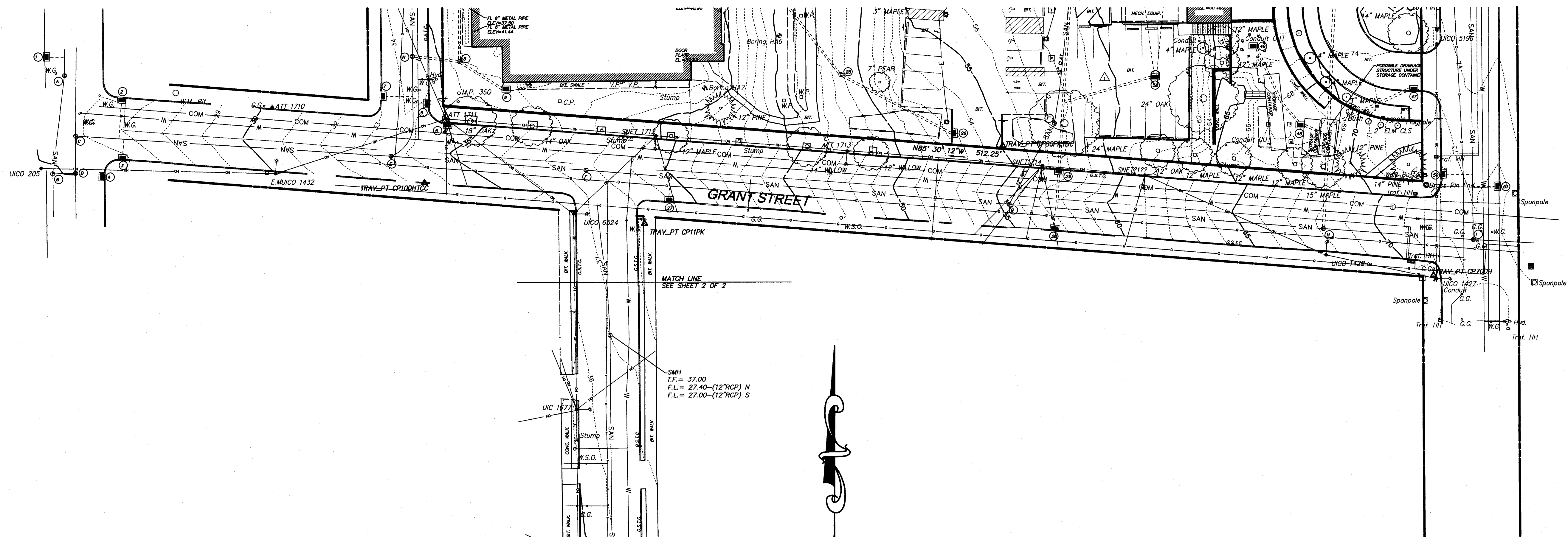
- "PROPERTY LINE MAP STATE OF CONNECTICUT PUBLIC WORKS DEPARTMENT T.J. MURPHY & COMMISSIONER MENTAL HEALTH HOSPITAL BRIDGEPORT, CONN SCALE 1/4"=50 FT DATE AUG 15, 1966 BY JAO KASPER & ASSOCIATES"

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS DEPICTED AND NOTED HEREON.

David A. Caricchio 8/21/2017
 DAVID A. CARICCHIO, P.L.S. No. 70036
 ALFRED BENECH & COMPANY, GLASTONBURY, CONNECTICUT
 (not valid without original signature and embossed seal)

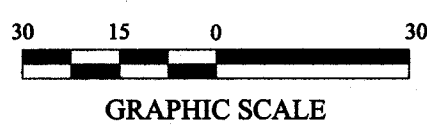
STATE OF CONNECTICUT
 LAND SURVEYORS

drawing title BOUNDARY & TOPOGRAPHIC SURVEY			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by benesch engineers, scientists, planners 90 National Drive Glastonbury, Connecticut 06033 860-653-8541		
mark	date	description	project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT	date 05/19/2017	scale 1"=30'
1	7.25.17	ADD NEW PARKING AREAS	approved by DAC	drawn by DAC	approved by DAC
drawing no. 211512			project no. BI-MH-121	drawing no. SV.01	



LEGEND

UTILITY SERVICES (UNDERGROUND OR OVERHEAD)		SYMBOL LEGEND		ABBREVIATIONS	
E	ELECTRIC SERVICE	■	CATCH BASIN	A/C	AIR CONDITIONER
G	GAS PIPES	●	ROUND DRAIN	AT&T	AMERICAN TELEPHONE & TELEGRAPH COMPANY
SAN	SANITARY SEWER PIPES	■	SQUARE DRAIN	BIT	BITUMINOUS
-----	STORM WATER PIPES (LESS THAN 12")	○	STORM DRAIN MANHOLE	BLK.	BLACK
-----	STORM WATER PIPES (12" OR LARGER)	○	ELECTRIC MANHOLE	CB	CATCH BASIN
-----	STEAM PIPES (SUPPLY & COND.)	○	STEAM MANHOLE	COM	COMMUNICATION
T	TELEPHONE SERVICE	○	WATER MANHOLE	CON.	CONCRETE
W	WATER PIPES	○	MANHOLE (OF UNKNOWN TYPE)	CONC.	CONCRETE
COM	COMMUNICATION/FIBER OPTIC SERVICE	○	HAND HOLE (SQ. / REC.)	CNG	CONNECTICUT NATURAL GAS
FP	FIRE PROTECTION PIPES	○	WATER VALVE	CL	CENTERLINE
UG	UNKNOWN UTILITY SERVICE	○	WATER SHUT OFF	CLF	CHAIN LINK FENCE
OH	OVERHEAD WIRES	○	GAS VALVE	CL&P	CONNECTICUT LIGHT & POWER COMPANY
PROPERTY/BOUNDARY LINES		○	HYDRANT	CP	CONTROL POINT
---	PROPERTY/BOUNDARY LINES (CLASS A-2)	○	COMBO STANDPIPE	DEC.	DECIDUOUS
---	PROPERTY/BOUNDARY LINES (CLASS D)	○	CLY WIRE	DMH	DRAINAGE MANHOLE
---	EASEMENT LINES	○	SIGN (SINGLE POST)	E	EAST OR ELECTRIC
FEATURE LINES		○	SIGN (DOUBLE POST)	EL	ELECTRIC
---	CURBED ROADWAY	○	BORING (AS DRILLED)	ELEV	ELEVATION
---	EDGE OF PAVED ROAD/DRIVE	○	BORING (AS STAKED)	EMH	ELECTRIC MANHOLE
---	BUILDING ROOFLINE (AERIAL PHOTOS)	○	SPOT ELEVATION	F.L.	FLOW LINE
---	RETAINING WALL	○	WETLANDS FLAG	FND.	FOUND
---	STOCKADE FENCE	○	WETLANDS MONUMENT	GRAN.	GRANITE
---	CHAIN LINK/WIRE FENCE	○	UTILITY MONUMENT (SET AS 2' OFFSET)	GSTC	GRANITE STONE CURB
---	TREE/VEGETATION LINE	○	IRON PIPE OR REBAR FOUND	HELCO	HARTFORD ELECTRIC COMPANY
---	STONE WALL	○	IRRIGATION CONTROL BOX	HYD.	HYDRANT
---	SURFACE WATER (WATERCOURSE)	○	TRAFFIC CONTROLLER CABINET	H.H.	HAND HOLE
---	WETLANDS LIMIT	○	UTILITY POLE	L.P.	LIGHT POLE
---	EDGE OF LANDSCAPING	○	UTILITY POLE W/ LIGHT	MH	MANHOLE
---	INTERMEDIATE CONTOUR	○	STREET LIGHT	M	METER
---	INDEX CONTOUR	○	LIGHT POST	M.W.	MONITOR WELL
		○	BOLLARD LIGHT	N	NORTH
		○	BOLLARD / ROCK	NAD	NORTH AMERICAN DATUM
		○	CONIFER SHRUB	NAVD	NATIONAL AMERICAN DATUM
		○	DECIDUOUS SHRUB	NE	NORTHEAST
		○	DECIDUOUS TREE (SAPLING)	N/F	NOW OR FORMERLY
		○	DECIDUOUS TREE	NW	NORTHWEST
		○	CONIFER TREE	PVC	POLYVINYL CHLORIDE
		○		P.I.V.	POST INDICATOR VALVE
		○		RET.	RETAINING
		○		ROP	REINFORCED CONCRETE PIPE
		○		R.L.	RAIN LEADER
		○		S	SOUTH OR SUPPLY
		○		SE	SOUTHEAST
		○		SW	SOUTHWEST
		○		SAN.	SANITARY
		○		SMH	SANITARY MANHOLE
		○		SNET	SOUTHERN NEW ENGLAND TELEPHONE
		○		SQ.	SQUARE
		○		STM	STEAM
		○		TMH	TELEPHONE MANHOLE
		○		TSL	TELEPHONE
		○		T.F.	TOP OF FRAME
		○		UNK.	UNKNOWN
		○		W	WATER OR WEST
		○		W.G.	WATER GATE



SURVEY NOTES

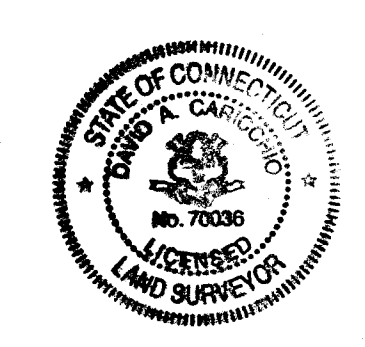
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David A. Caricchio
 DAVID A. CARICCHIO, P.L.S. No. 70036
 ALFRED BENESECH & COMPANY, GLASTONBURY, CONNECTICUT
 (not valid without original signature and embossed seal)



drawing title		STATE OF CONNECTICUT	
BOUNDARY & TOPOGRAPHIC SURVEY		DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by	date
mark	date	description	
1	7.25.17	ADD NEW PARKING AREAS	05/19/2017
drawing prepared by		scale	1"=30'
drawing by		project	GBCMHC
checked by		approved by	DAC
drawing no.		project no.	BI-MH-121
CAD no.		drawing no.	SV.02
218112			

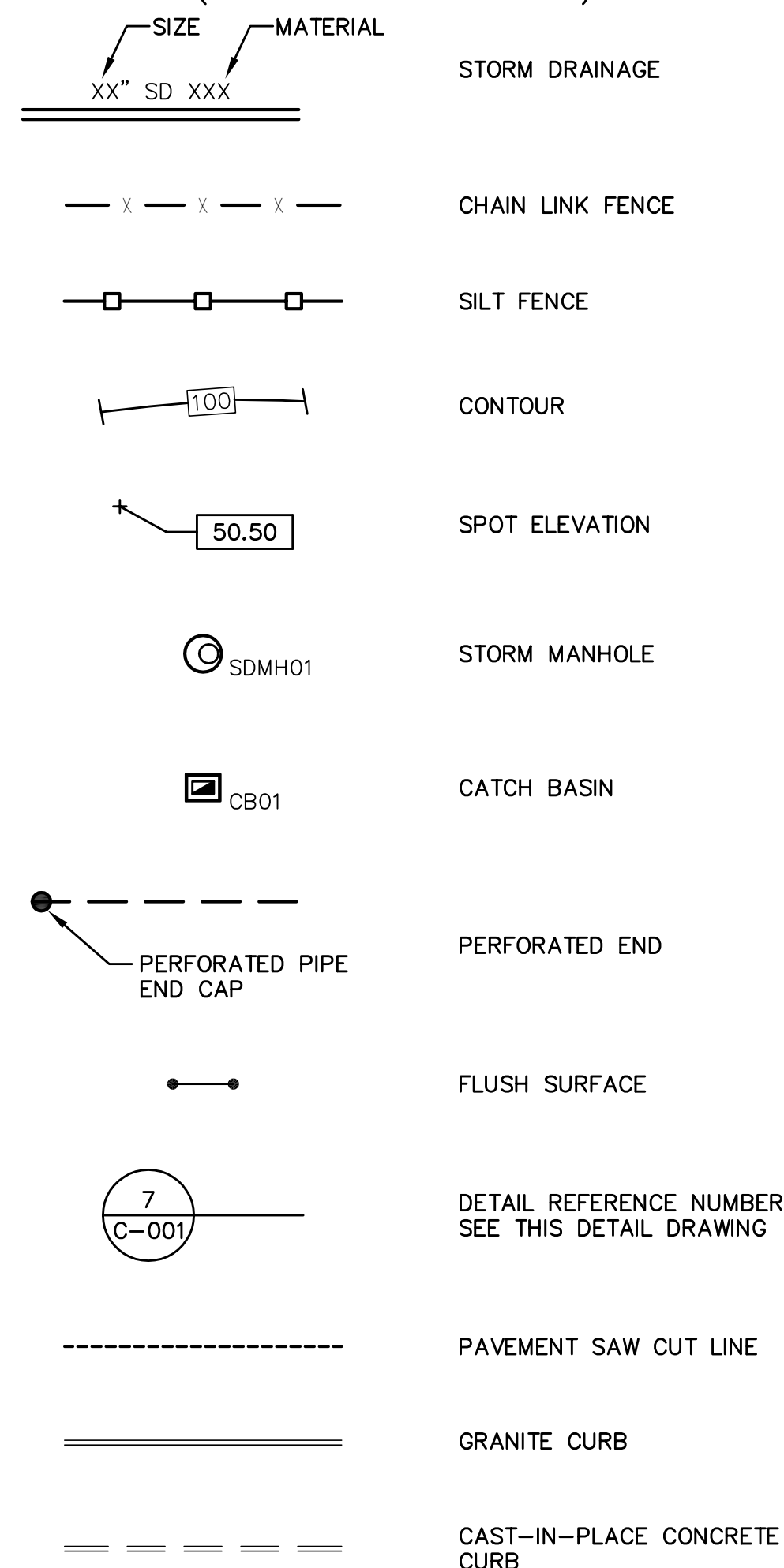
NEW CIVIL ABBREVIATIONS LEGEND

(NOTE: NOT ALL ABBREVIATIONS USED)

AD AREA DRAIN	ID INSIDE DIAMETER
AFF ABOVE FINISH FLOOR	IN INCH OR INCHES
ALT ALTERNATE	INV INVERT
ARCH ARCHITECTURAL	JT JOINT
AVG AVERAGE	LP LOW POINT
BC BOTTOM OF CURB	MAX MAXIMUM
BIT BITUMINOUS	MECH MECHANICAL
BLDG BUILDING	MH MANHOLE
BM BENCH MARK	MIN MINIMUM
BOT BOTTOM	MISC MISCELLANEOUS
BSMT BASEMENT	N NORTH
BW BOTTOM OF WALL	NIC NOT IN CONTRACT
C CENTER LINE	NO NUMBER
CB CATCH BASIN	NTS NOT TO SCALE
CJ CAST IRON	O/C ON CENTER
CLL CONTROL JOINT	OD OUTSIDE DIAMETER
CMP CORRUGATED METAL PIPE	P POLE/PHASE
CMU CONCRETE MASONRY UNIT	PE PRIMARY ELECTRIC
CONC CONCRETE	PNL PANEL
CONST CONSTRUCTION	PT POINT
CONT CONTINUOUS, CONTINUE	QTY QUANTITY
CU FT CUBIC FEET	R RADIUS
CU YD CUBIC YARD	RCP REINFORCED CONCRETE PIPE
CW COLD WATER	RGS RIGID GALVANIZED STEEL
DBL DOUBLE	REINF REINFORCED
DET DETAIL	ROW RIGHT OF WAY
DI DUCTILE IRON	S SANITARY
DIA DIAMETER	SAN SANITARY
DIAG DIAGONAL	SDMH STORM DRAINAGE MANHOLE
DIM DIMENSION	SE SECONDARY ELECTRIC
DWG DRAWING	SMH SANITARY MANHOLE
E EAST	SPEC SPECIFICATIONS
EA EACH	SQ SQUARE
EF EACH FACE	SS STAINLESS STEEL
EJ EXPANSION JOINT	SD STORM DRAINAGE
ELEV ELEVATION	STA STATION
ELEC ELECTRIC	STD STANDARD
EOP EDGE OF PAVEMENT	T & B TOP AND BOTTOM
EQ EQUAL	TC TOP OF CURB
EW EACH WAY	TEL TELECOMMUNICATIONS
EX EXISTING	TF TOP OF FRAME
EXT EXTERIOR	TW TOP OF WALL
FD FOOTING DRAIN	TYP TYPICAL
FDN FOUNDATION	UG UNDERGROUND
FF FINISHED FLOOR	VERT VERTICAL
FM FORCE MAIN	VIF VERIFY IN FIELD
FTC FEET	WEST WEST
FTG FOOTING	WP WORKING POINT
GALV GALVANIZED	WVF WELDED WIRE FABRIC
GC GENERAL CONTRACTOR	YD YARD DRAIN
GRD GROUND	
HDPE HIGH DENSITY POLYETHYLENE	
HORIZ HORIZONTAL	
HP HIGH POINT	

NEW CIVIL SYMBOL LEGEND

(NOTE: NOT ALL SYMBOLS USED)



SEWER EXTENSION APPROVAL CONDITIONS

- THE GENERAL CONTRACTOR IS REQUIRED TO REGISTER THIS PROJECT FOR AND ABIDE BY THE CONDITION OF THE CT DEEP CONSTRUCTION STORMWATER GENERAL PERMIT. CT DAS REQUIRES THE GENERAL CONTRACTOR TO SIGN ONTO THE GENERAL PERMIT AND ACT AS THE REGISTRANT AND PERMITEE. REFER TO DIVISION 0 AND DIVISION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES REQUIRED BY THE CITY OF BRIDGEPORT.
- THE SEWERS ARE TO BE EXTENDED AT THE DEVELOPER'S EXPENSE IN ACCORDANCE WITH DETAILED CONSTRUCTION PLANS, PREPARED AND CERTIFIED BY THE DEVELOPER'S LICENSED ENGINEER, PRIOR TO THE COMMENCEMENT OF THE INSTALLATION.
- NO SEWER PIPE SHALL BE INSTALLED UNLESS A CITY APPROVED INSPECTOR, REPRESENTING A PROFESSIONAL ENGINEER, IS PRESENT; AND UPON COMPLETION, THE LICENSED ENGINEER CERTIFY TO THE CITY OF BRIDGEPORT THAT THE INSTALLATION WAS COMPLETED IN ACCORDANCE WITH THE PLAN APPROVED BY THE GENERAL MANAGER OF THE WPCA, THE CITY ENGINEER AND CITY SEWER SPECIFICATIONS AND STANDARDS, NOTING ANY EXCEPTIONS.
- A COPY OF THE LETTER FROM THE DEVELOPER TO THE PROFESSIONAL ENGINEER AUTHORIZING HIM TO PROCEED WITH THE NECESSARY SEWER CONSTRUCTION INSPECTION, MENTIONED IN ITEM 2, MUST BE PRESENTED TO THE GENERAL MANAGER OF THE WPCA AND THE CITY ENGINEER PRIOR TO ANY APPROVAL FOR AN APPLICATION TO BUILD ON THE SITE, WHICH THE SEWER IS TO SERVICE. INCLUDED WITH THIS LETTER SHALL BE THE DATE OF START OF CONSTRUCTION, AND THE NAME OF THE INSPECTOR TO REPRESENT THE OFFICIAL ENGINEER.
- A PUBLIC IMPROVEMENT BOND, TO COVER THE ESTIMATED COST OF THE INSTALLATION, IS SUBMITTED TO THE CITY (IN THE CASE OF A STORM SEWER EXTENSION) OR WPCA (IN THE CASE OF A SANITARY SEWER EXTENSION) IN THE FORM OF A SURETY BOND, OR CASH, AS REQUIRED BY THE WPCA AND TO BE HELD BY THE WPCA UNTIL SATISFACTORY COMPLETION OF CONSTRUCTION. TEN PERCENT (10%) OF THE TOTAL AMOUNT WILL BE RETAINED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK TO INSURE THAT THE PETITIONER MAINTAINS OR REPAIRS THE SEWER, AS REQUIRED BY THE CITY, FOR THAT PERIOD OF TIME. THE TOTAL AMOUNT OF THE BOND WILL BE ESTABLISHED AFTER APPROVAL OF THE SUBMITTED CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL FURNISH TO THE GENERAL MANAGER OF THE WPCA, AND THE CITY ENGINEER, 8"X10" BLACK AND WHITE PHOTOGRAPHS OF THE CONSTRUCTION SITE, INDICATING BEFORE AND AFTER CONDITIONS. AT LEAST FOUR PHOTOGRAPHS SHALL BE TAKEN BEFORE, AND AN EQUIVALENT NUMBER TAKEN AFTER, COMPLETION.
- THE NEW SEWER INSTALLATIONS SHALL BE TELEVISED BY AN APPROVED FIRM EXPERIENCED IN THIS KIND OF WORK. A VIDEO RECORDING IN DVD OR FLASH DRIVE FORMAT SHALL BE MADE AND SUBMITTED TO THE CITY AND WPCA, WITH AN APPROPRIATE WRITTEN REPORT DESCRIBING AND LOCATING GENERAL AND PARTICULAR CONDITIONS OBSERVED. IF THE SEWER INSTALLATION IS FOUND TO REQUIRE ADDITIONAL CONSTRUCTION OR REPAIR, THAT AREA REPAIRED WILL BE RE-TELEVISED AND A REVISED REPORT SUBMITTED TO THE CITY, OR WPCA, FOR FINAL APPROVAL.
- THAT REPRODUCIBLE AS BUILT PLANS, ON HEAVY MYLAR, OF THE SEWER INSTALLATIONS ARE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER AND GENERAL MANAGER OF THE WPCA. THEY ARE TO BE PREPARED BY A LICENSED SURVEYOR OR ENGINEER AND CERTIFIED AS SUCH.
- ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE CITY OF BRIDGEPORT, WPCA SEWER SPECIFICATIONS AND STANDARDS, AND UNDER THE DIRECTION OF THE GENERAL MANAGER OF THE WPCA AND THE CITY ENGINEER. ROADWAY PAVEMENT WILL BE REPAIRED AND REPLACED TO THE EXTENT REQUIRED UNDER CITY ORDINANCE, WHEN THE SEWER IS EXTENDED IN THE UNPAVED ROADWAYS, OR SECTIONS OF ROADWAY, USUALLY 32 FEET IN WIDTH, AND MEETING ALL CITY SPECIFICATIONS AND STANDARDS.
- UPON COMPLETION OF THE WORK, THE PETITIONER CONVEYS SAID SEWERS TO THE CITY OF BRIDGEPORT WITHOUT ANY CONDITIONS OR RESTRICTIONS.
- THE PETITIONER SHALL HOLD THE CITY HARMLESS FROM ANY CLAIM FOR PERSONAL INJURY OR PROPERTY DAMAGE ARISING DURING THE CONSTRUCTION OF SAID SEWERS.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO REPAIR OR REPLACE (AT THE DISCRETION OF THE GENERAL MANAGER OF THE WPCA OR THE CITY ENGINEER) PROPERTY DAMAGED BY HIM DURING THE COURSE OF HIS WORK, AT NO ADDITIONAL COST TO THE CITY.
- CONDITIONS 2, 5, 6, 8, AND 11 SHOULD BE ADDED TO THE CONTRACT PLAN AS NOTES, AND THE CONTRACTOR SHALL HAVE A COPY OF THE PLAN AT THE SITE WHILE THE WORK IS BEING DONE.
- THAT THE MEETS AND BOUNDS OF ANY SEWER EASEMENTS CONTAINING A PROPOSED CITY SEWER BE DEPICTED ON A MAP SHOWING THE DIMENSIONS OF THE PORTION OF EASEMENT ON EACH INDIVIDUAL LOT AND PLACED ON FILE IN THE TOWN CLERKS OFFICE, ALONG WITH EASEMENT DOCUMENTS FOUND ACCEPTABLE BY THE WPCA, OR THE CITY.

CIVIL GENERAL NOTES

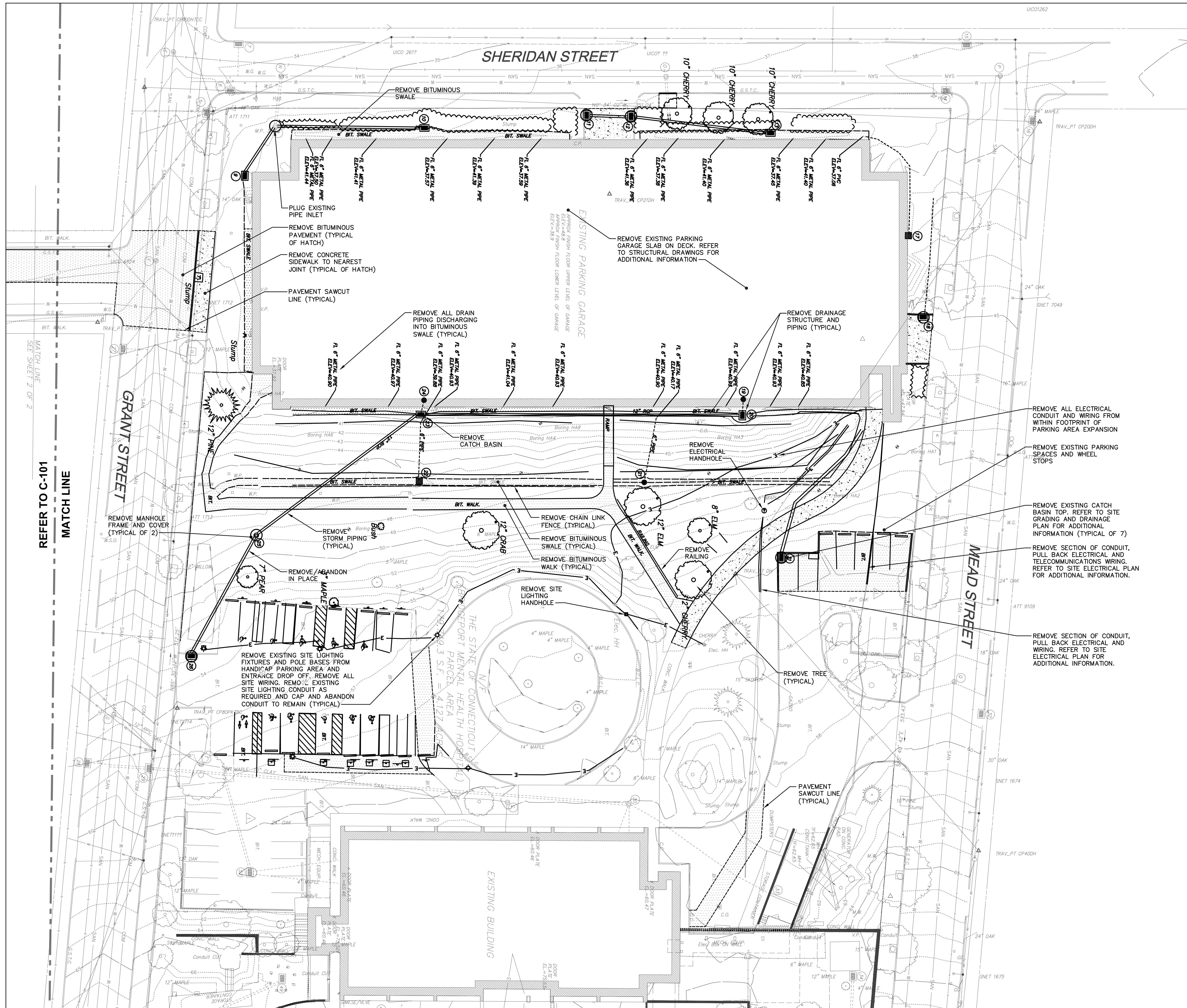
- BASE INFORMATION IS TAKEN FROM AVAILABLE SURVEY PLANS PREPARED BY BENESCH, GLASTONBURY, CT DATED DECEMBER 2, 2015 AND OCTOBER 8, 2016. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF NEW WORK. BVM INTEGRATED SERVICES ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE SURVEY NOR CHANGES TO THE WORK DUE TO ERROR IN THE SURVEY.
- PRIOR TO COMMENCING CONSTRUCTION NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) FOR FIELD LOCATION AND MARKING OF SUBSURFACE UTILITIES AT LEAST 48 HOURS IN ADVANCE BUT NOT MORE THAN 30 DAYS. THE CONTRACTOR SHALL ALSO OBTAIN THE SERVICES OF A QUALIFIED UNDERGROUND UTILITY LOCATION FIRM, AT NO COST TO THE OWNER, TO VERIFY LOCATIONS OF UNDERGROUND UTILITIES NOT IDENTIFIED BY "CALL BEFORE YOU DIG".
- ALL CONSTRUCTION METHODS SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS AND ANY REFERENCED STANDARDS SUCH AS BUT NOT LIMITED TO THE FOLLOWING:
 - THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (FORM 817, AS AMENDED).
 - MATERIAL AND INSTALLATION SPECIFICATIONS OF EACH UTILITY COMPANY.
 - SPECIFIC CITY OF BRIDGEPORT REQUIREMENTS, FOR WORK IN THE STREET.
 - 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND SPECIFICATIONS AND REFERENCED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- PROVIDE ALL NECESSARY SURVEY WORK REQUIRED FOR THE CONSTRUCTION STAKE-OUT AND PRODUCTION OF AS-BUILT PLANS. AS-BUILT PLANS SHALL SHOW LOCATION AND ELEVATION OF CONSTRUCTED BUILDINGS, STRUCTURES, EQUIPMENT, PIPING AND CONDUITS. CONTRACTOR TO PROVIDE RECORD DRAWINGS TO THE OWNER AT THE END OF THE PROJECT. REFER TO GENERAL CONDITIONS OF SPECIFICATIONS FOR REQUIREMENTS.
- OBTAIN ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP THE CONSTRUCTION SCHEDULE AND PHASING, COORDINATE ALL ACTIVITIES WITH THE STATE OF CONNECTICUT AND THE CITY OF BRIDGEPORT AND NOTIFY ADJACENT PROPERTY OWNERS, AS REQUIRED. NOTIFY NECESSARY PARTIES AT LEAST 5 DAYS IN ADVANCE.
- ALL EXISTING SITE UTILITIES WHICH ARE NOT INDICATED ON PLANS SHALL NOT BE INTERRUPTED FROM CONTINUOUS SERVICE. CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS OR CONCERNS. EXISTING UTILITIES TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION.
- ESTABLISH AND MAINTAIN AT LEAST TWO BENCHMARKS ON SITE FOR VERTICAL AND HORIZONTAL CONTROL.
- SAFETY ISSUES & HOURS OF OPERATION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE COORDINATED & APPROVED BY THE OWNER, AND CITY.

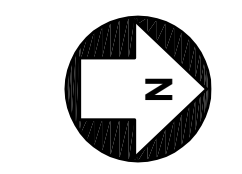
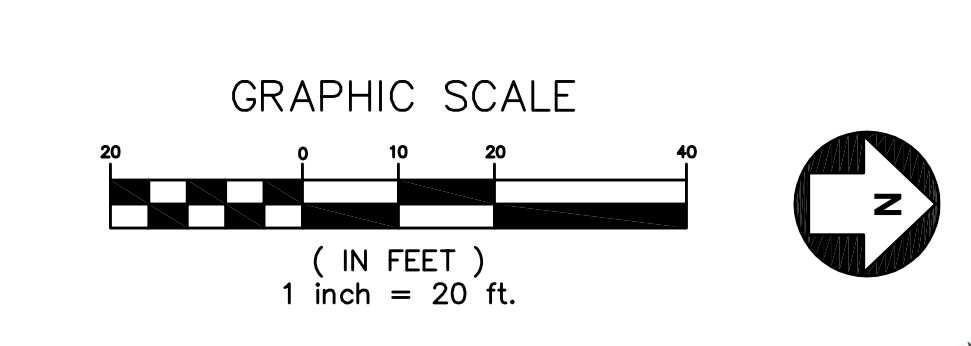
CIVIL DRAWING LIST

C-001	CIVIL ABBREVIATIONS, LEGEND, GENERAL NOTES & CODE DATA
C-100	SITE DEMOLITION PLAN
C-101	SITE DEMOLITION PLAN
C-200	SITE LAYOUT AND MATERIALS PLAN
C-201	SITE LAYOUT AND MATERIALS PLAN
C-202	UPPER LEVEL STRIPING PLAN
C-203	LOWER LEVEL STRIPING PLAN
C-300	SITE ELECTRICAL AND TELECOMMUNICATIONS PLAN
C-400	SITE GRADING AND DRAINAGE PLAN
C-401	SITE GRADING AND DRAINAGE PLAN
C-402	SITE GRADING AND DRAINAGE PLAN AND PROFILE
C-500	SOIL EROSION AND SEDIMENT CONTROL PLAN—INITIAL PHASE
C-501	SOIL EROSION AND SEDIMENT CONTROL PLAN—INITIAL PHASE
C-502	SOIL EROSION AND SEDIMENT CONTROL PLAN—FINAL PHASE
C-503	SOIL EROSION AND SEDIMENT CONTROL PLAN—FINAL PHASE
C-504	SOIL EROSION AND SEDIMENT CONTROL NARRATIVE & DETAILS
C-505	SOIL EROSION AND SEDIMENT CONTROL DETAILS
C-600	SITE DETAILS
C-601	SITE DETAILS
C-602	SITE DETAILS
C-603	SITE DETAILS
C-604	CITY OF BRIDGEPORT DETAILS
C-701A	LOWER LEVEL FLOOR PLAN 'A'
C-701B	LOWER LEVEL FLOOR PLAN 'B'
C-702A	UPPER LEVEL FLOOR PLAN 'A'
C-702B	UPPER LEVEL FLOOR PLAN 'B'
C-800	BUILDING ELEVATIONS
C-900	ENLARGED FLOOR PLANS, SECTIONS, AND DETAILS
C-901	ENLARGED FLOOR PLANS, SECTIONS, AND DETAILS
C-902	DETAILS

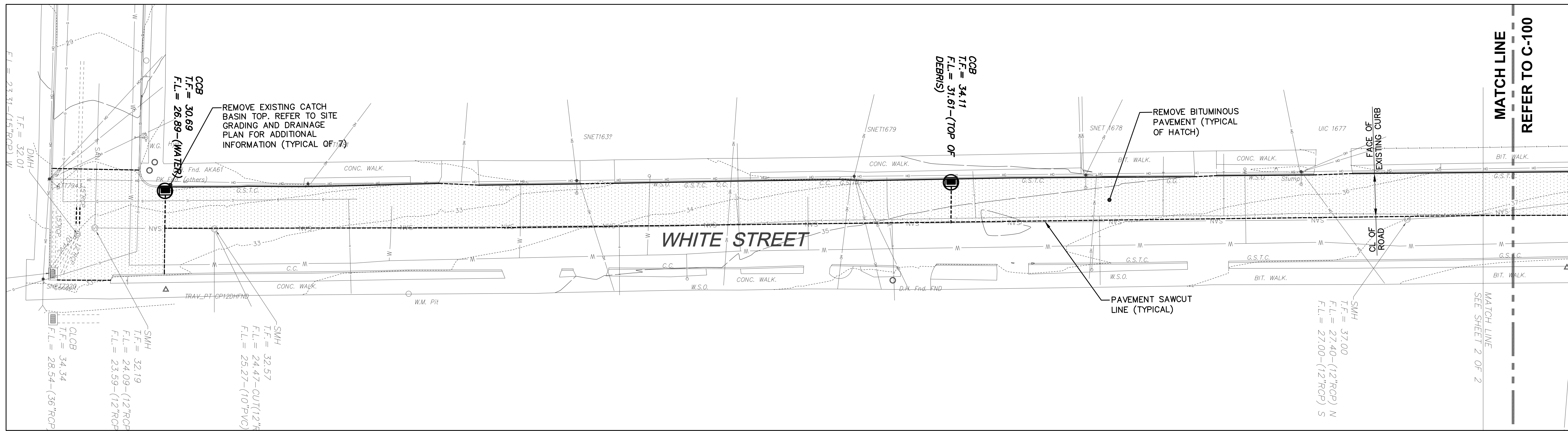
drawing title CIVIL ABBREVIATIONS, LEGEND, GENERAL NOTES & CODE DATA		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrate services		date 12/01/2017	scale AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC_IDO	approved by MLJ
CAD no. 211512	project no. BI-MH-121	drawing no. C-001	



- DEMOLITION GENERAL NOTES:**
1. ALL EXISTING UTILITIES, PLANTINGS, SIGNS, CURBING, PAVEMENT, SITE WALLS, ETC. SHOWN IN BOLD TO BE REMOVED.
 2. EXISTING BITUMINOUS PAVEMENT TO BE SAW CUT AT ALL LOCATIONS WHERE EXISTING BITUMINOUS PAVEMENT WILL MATCH NEW BITUMINOUS PAVEMENT.
 3. EXISTING SIDEWALKS (BITUMINOUS AND CONCRETE) TO BE SAW CUT AT ALL LOCATIONS WHERE EXISTING SIDEWALKS MATCH NEW SIDEWALKS.
 4. ALL REQUIRED UTILITY DISCONNECTS AND/OR ABANDONMENT TO BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES AND OWNER PRIOR TO CONSTRUCTION PHASING.
 5. CONTRACTOR IS TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES TO REMAIN.
 6. CONTRACTOR TO INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AND TREE PROTECTION FENCING PRIOR TO START OF DEMOLITION OR CONSTRUCTION.

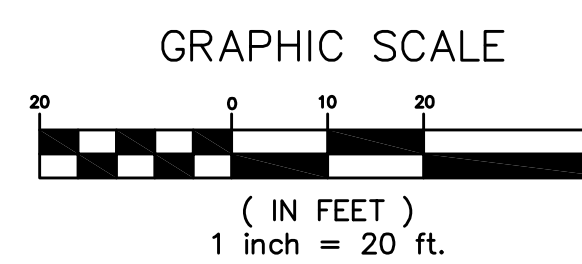


drawing title SITE DEMOLITION PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date 12/01/2017
			scale AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC, JDO approved by MJJ drawing no. C-100	
CAD no. 211512		project no. BI-MH-121	

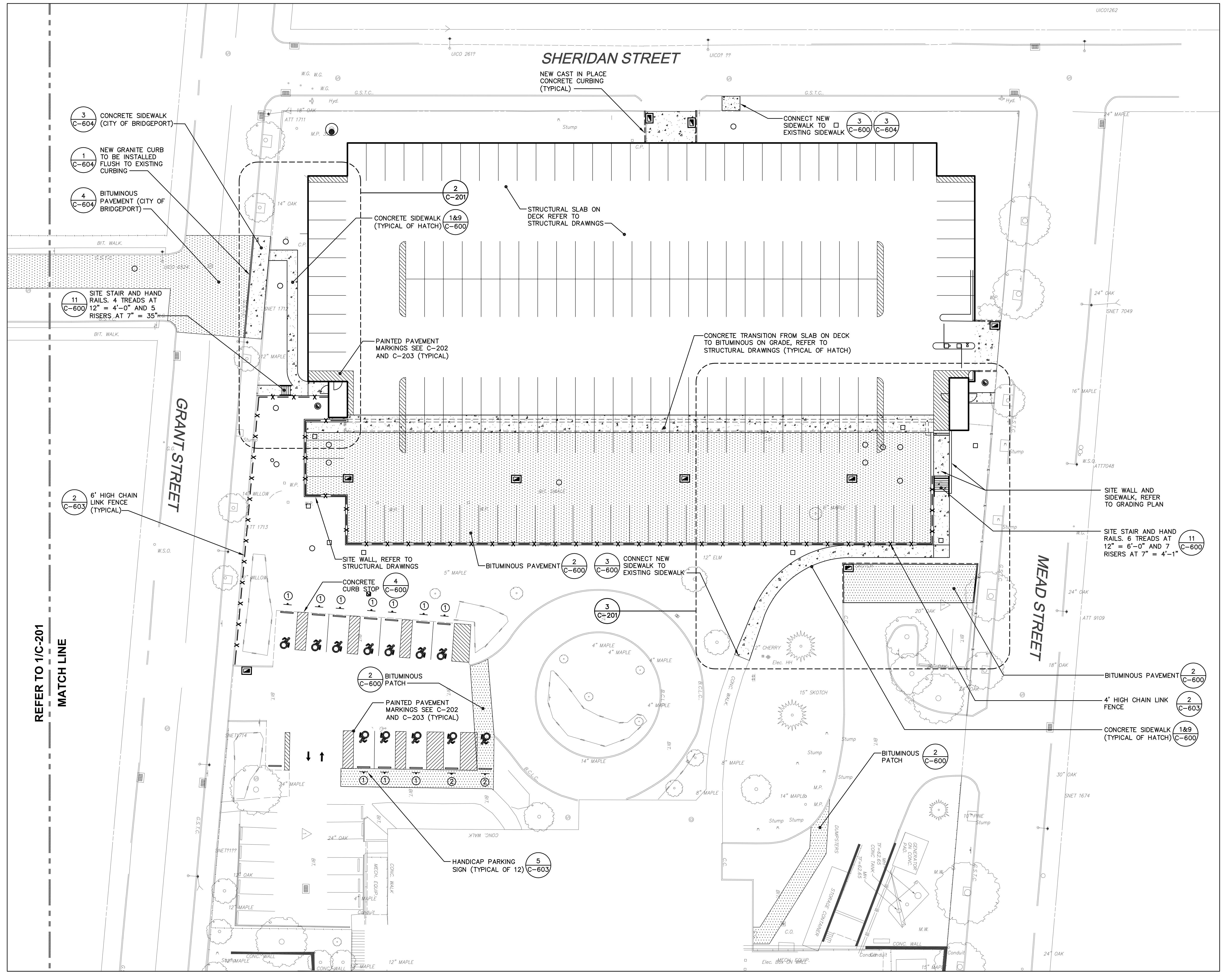


DEMOLITION GENERAL NOTES:

1. ALL EXISTING UTILITIES, PLANTINGS, SIGNS, CURBING, PAVEMENT, SITE WALLS, ETC. SHOWN IN BOLD TO BE REMOVED.
2. EXISTING BITUMINOUS PAVEMENT TO BE SAW CUT AT ALL LOCATIONS WHERE EXISTING BITUMINOUS PAVEMENT WILL MATCH NEW BITUMINOUS PAVEMENT.
3. EXISTING SIDEWALKS (BITUMINOUS AND CONCRETE) TO BE SAW CUT AT ALL LOCATIONS WHERE EXISTING SIDEWALKS MATCH NEW SIDEWALKS.
4. ALL REQUIRED UTILITY DISCONNECTS AND/OR ABANDONMENT TO BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES AND OWNER PRIOR TO CONSTRUCTION PHASING.
5. CONTRACTOR IS TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES TO REMAIN.
6. CONTRACTOR TO INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AND TREE PROTECTION FENCING PRIOR TO START OF DEMOLITION OR CONSTRUCTION.

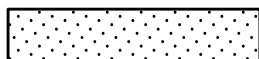
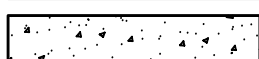


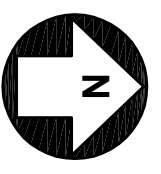
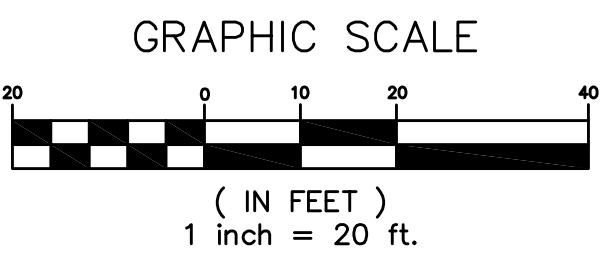
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REVISIONS			
mark	date	description	
drawing prepared by BVH integrated services		date 12/01/2017	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		scale AS NOTED	
CAD no. 2115112		project no. BI-MH-121	
drawn by MCC, JDO		drawing no. C-101	
approved by MLJ			



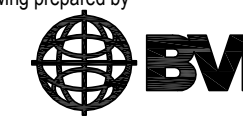
REFER TO 1/C-201
MATCH LINE

SITE MATERIAL LEGEND:

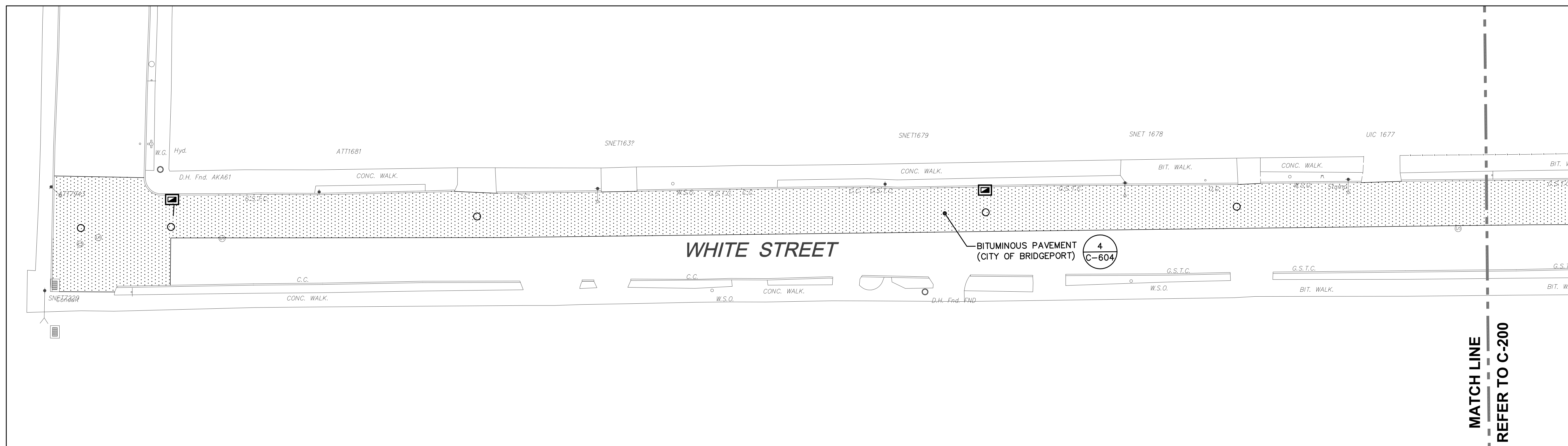
-  BITUMINOUS
-  CONCRETE



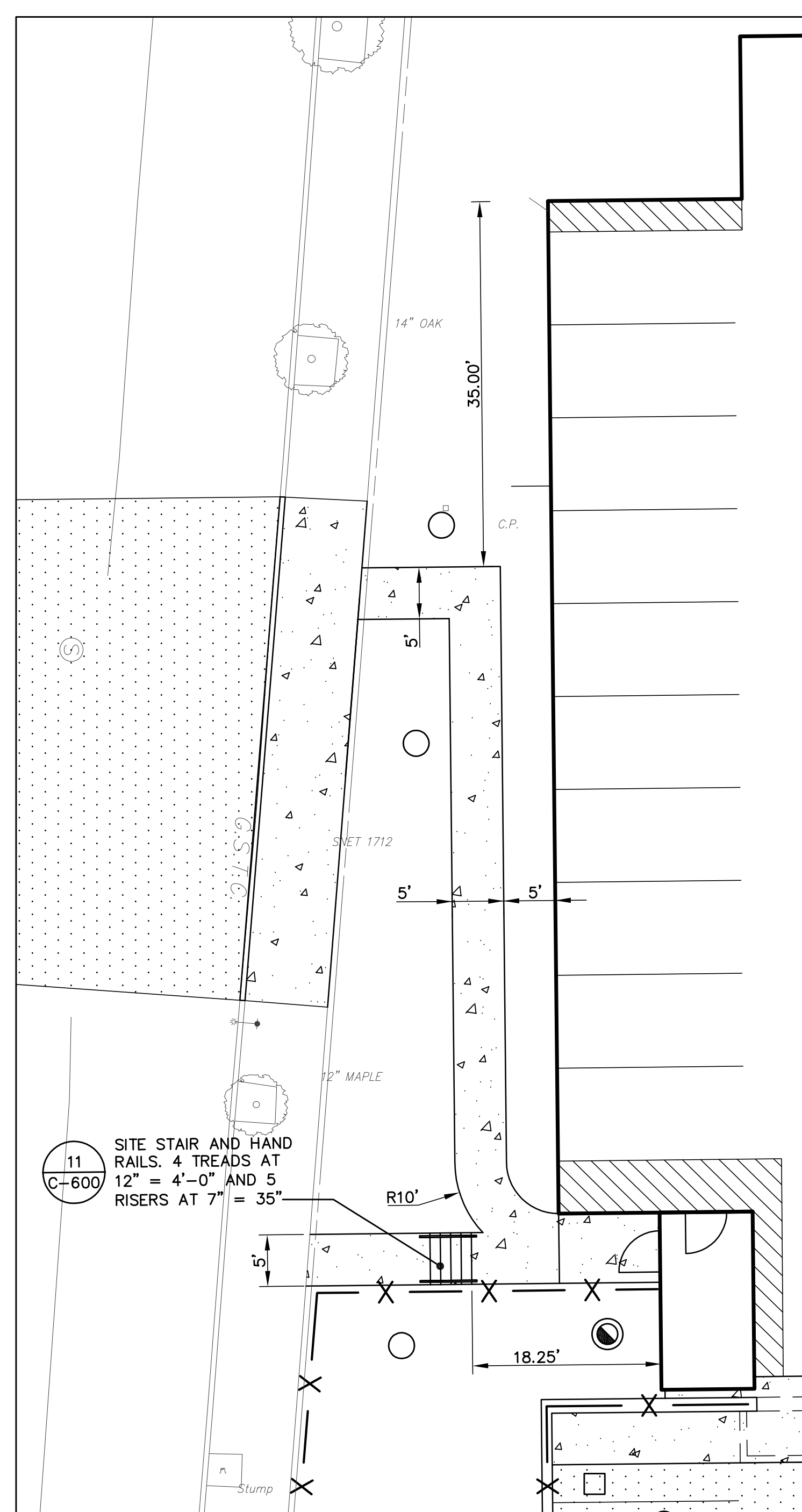
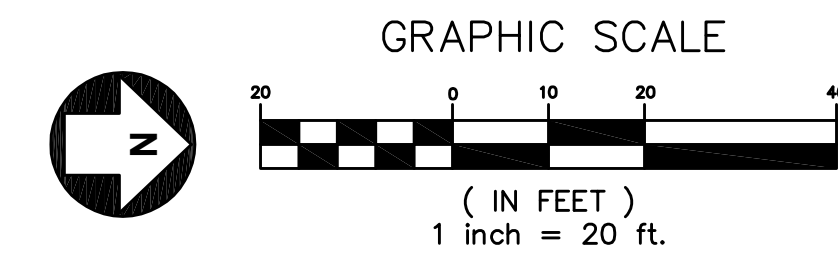
NOTE: SEED AND COVER ALL DISTURBED AREAS

REVISIONS			drawing prepared by		date
mark	date	description	 integrated services		12/01/2017
drawing title SITE LAYOUT AND MATERIALS PLAN			project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		scale AS NOTED
drawing no. C-200			approved by MLI		drawing no. C-200
CAD no. 211512			project no. BI-MH-121		date 12/01/2017

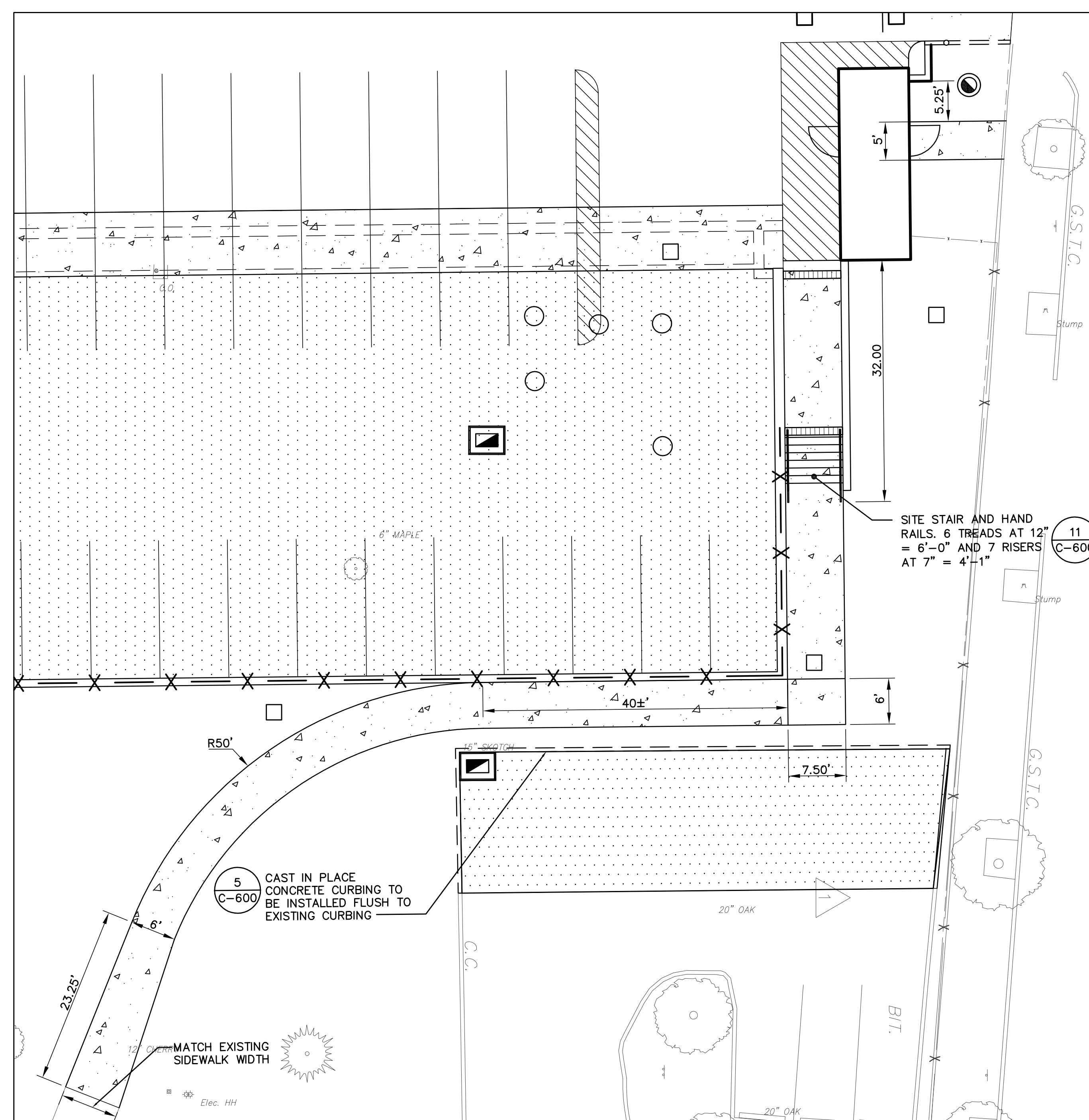
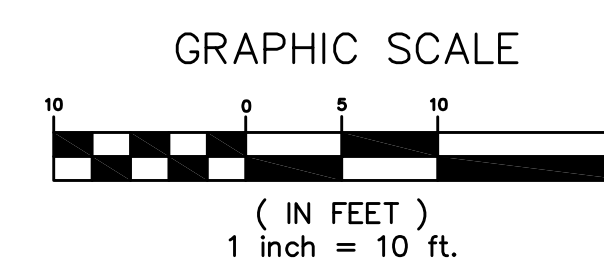




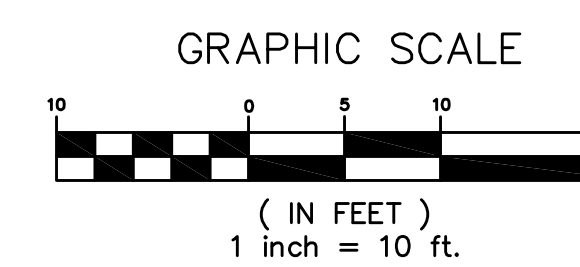
1 WHITE STREET MATERIALS PLAN
C-201 SCALE: 1"=20'



2 GRANT STREET ACCESS PLAN
C-201 SCALE: 1"=10'



3 MEAD STREET ACCESS PLAN
C-201 SCALE: 1"=10'



SITE MATERIAL LEGEND:

- BITUMINOUS
- CONCRETE

NOTE: SEED AND COVER ALL DISTURBED AREAS

drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
SITE LAYOUT AND MATERIALS PLAN			REVISIONS	
mark	date	description	date	description
drawing prepared by			drawing no.	
project			scale	
approved by			drawing no.	
drawing no.			drawing no.	
CAD no.			drawing no.	

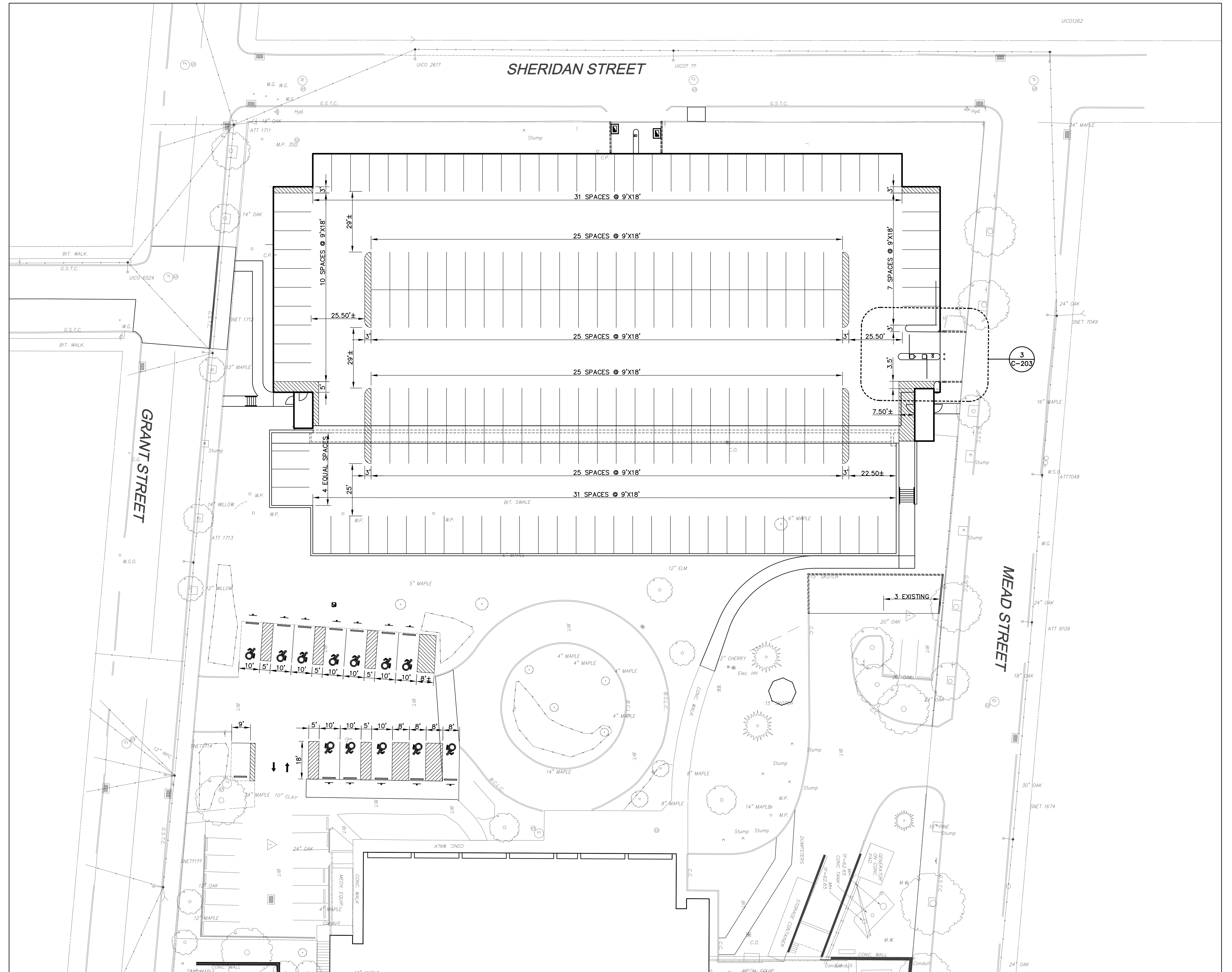
STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
BVH integrated services
110 Griffin Road South
Bloomfield, CT 06002
Tel: 860.236.9111
www.bvh.com

project
GBCMHC
GBCMHC PARKING GARAGE REPAIRS
1635 CENTRAL AVE., BRIDGEPORT, CT

CAD no. 211512
drawing no. BI-MH-121
date 12/01/2017
scale AS NOTED
drawn by IMCC, JDO
approved by MLJ
drawing no. C-201





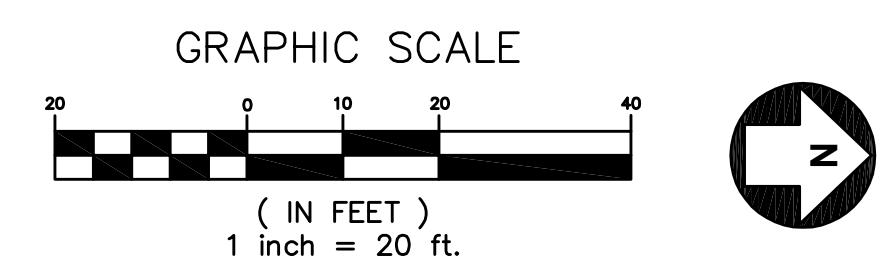
1 UPPER LEVEL STRIPING PLAN
C-202 1" = 20'



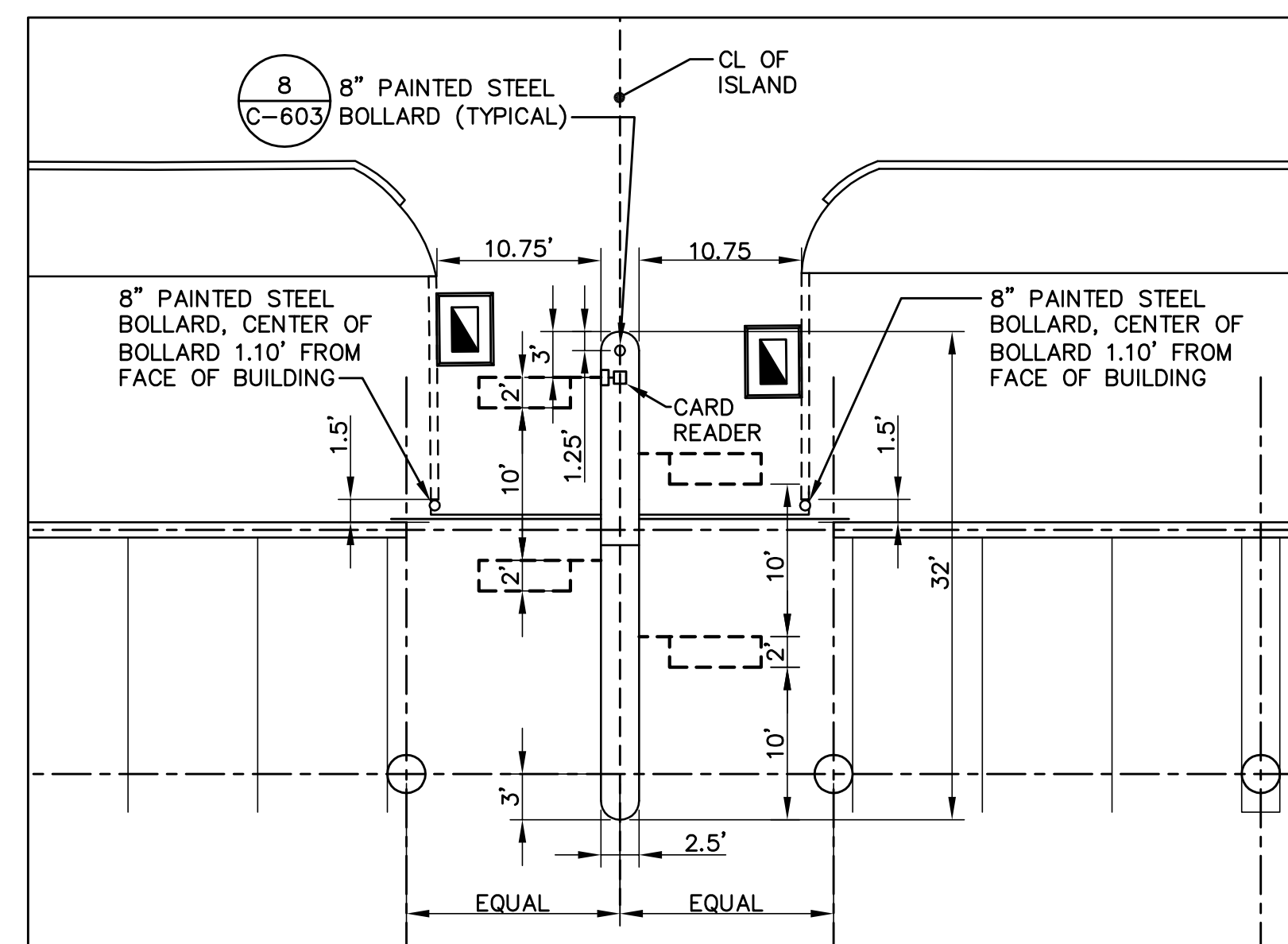
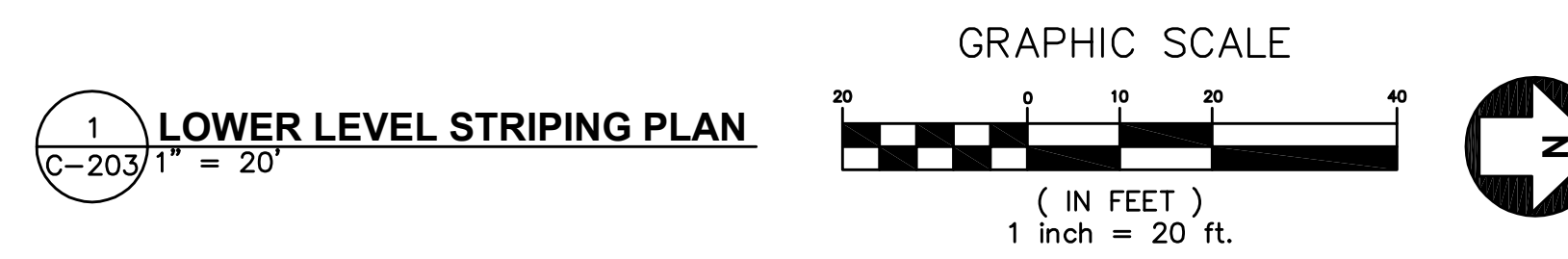
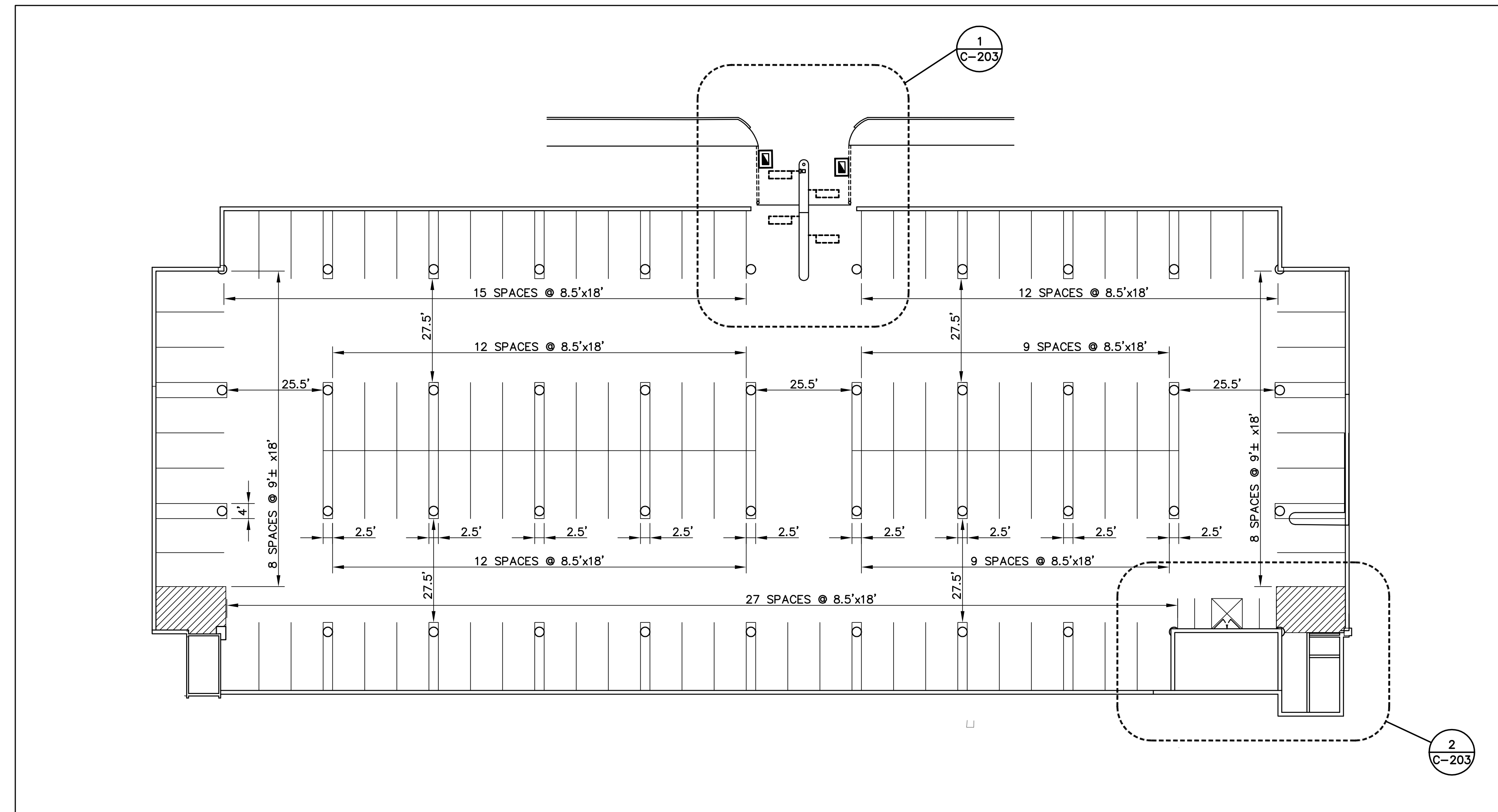
PARKING TABLE		
	EXISTING	PROPOSED
CARS	282	340
ACCESSIBLE	12	12 (10 CARS + 2 VANS)
MOTORCYCLES	4	4
TOTAL	298	356

SITE LAYOUT GENERAL NOTES:

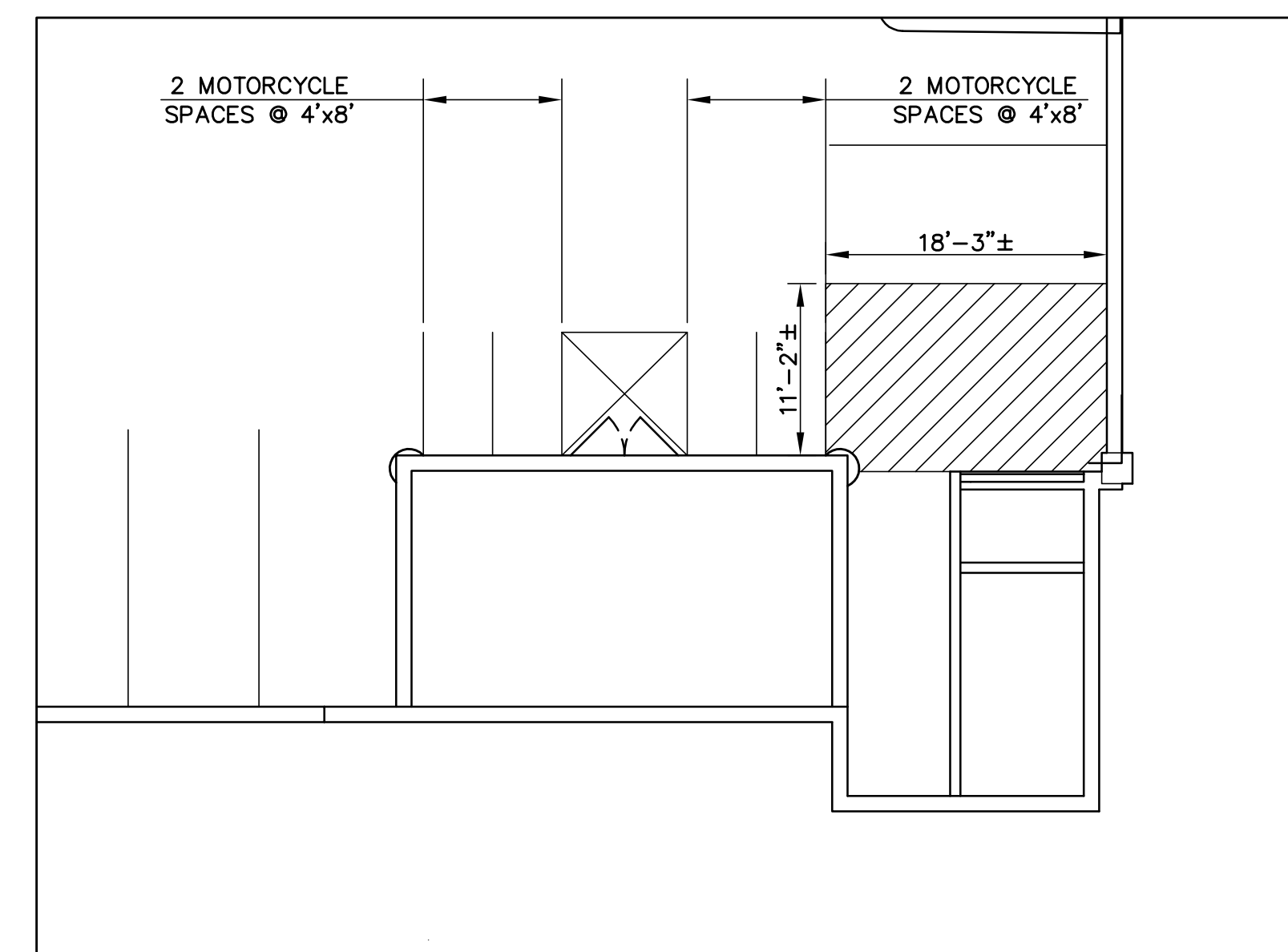
- ALL PARKING SPACES, HATCHED AREAS AND PAVEMENT SYMBOLS TO BE PAINTED WITH YELLOW TRAFFIC PAINT. SEE SPECIFICATION.



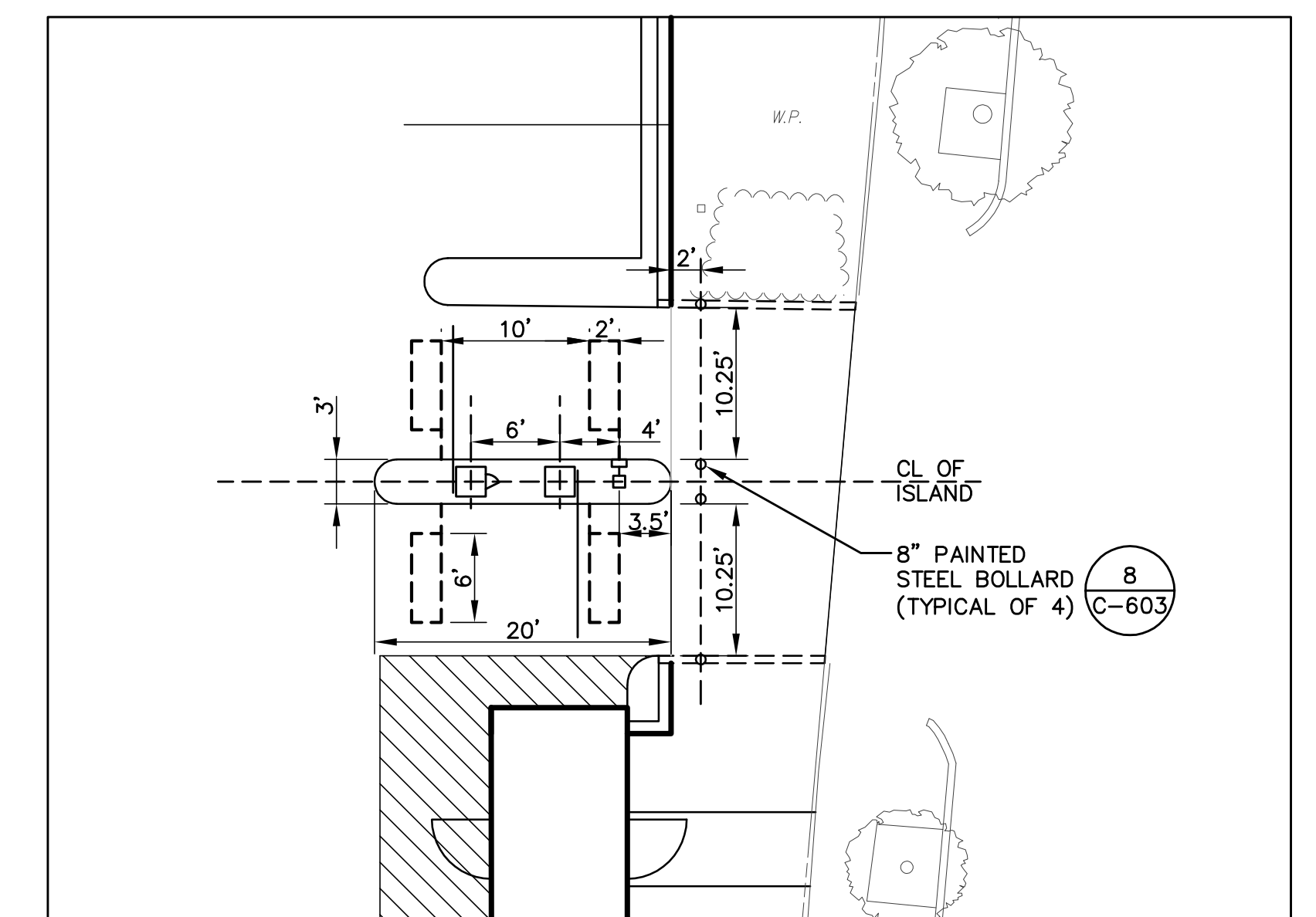
drawing title UPPER LEVEL STRIPING PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date 12/01/2017
			scale AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawing no. C-202	
CAD no. 2115112		project no. BI-MH-121	



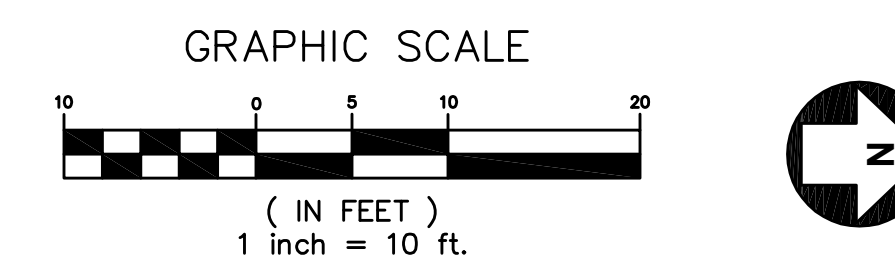
1 LOWER LEVEL ENTRANCE ISLAND
 C-203 1" = 10'



2 MOTORCYCLE PARKING PART PLAN
 C-203 1" = 10'



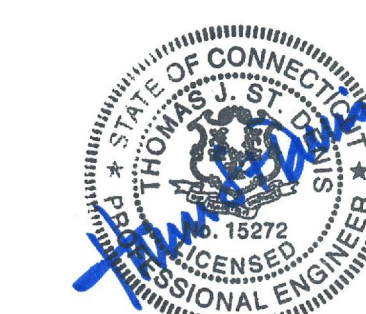
3 UPPER LEVEL ENTRANCE ISLAND
 C-203 1" = 10'

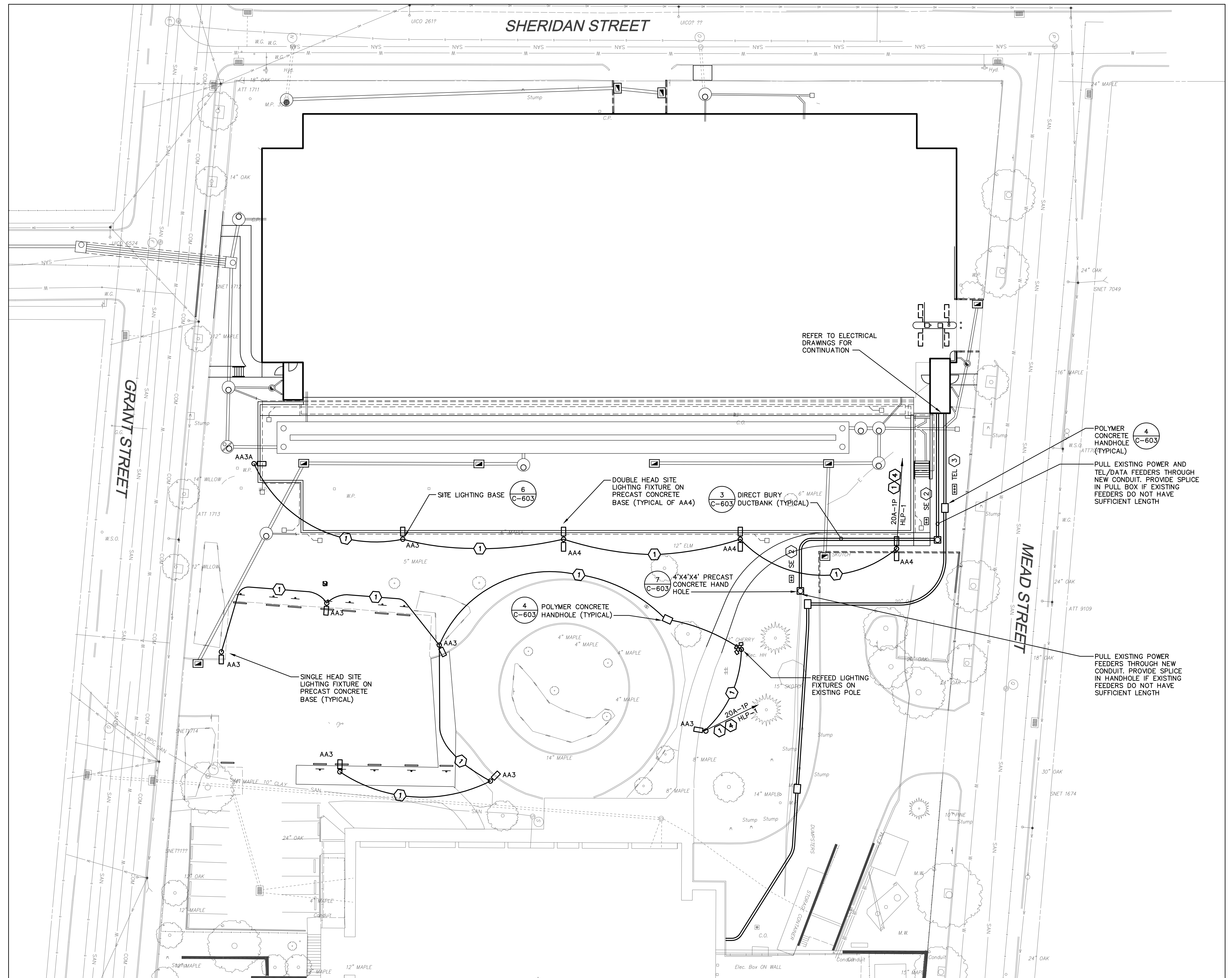


SITE LAYOUT GENERAL NOTES:

- ALL PARKING SPACES, HATCHED AREAS AND PAVEMENT SYMBOLS TO BE PAINTED WITH YELLOW TRAFFIC PAINT. SEE SPECIFICATION.

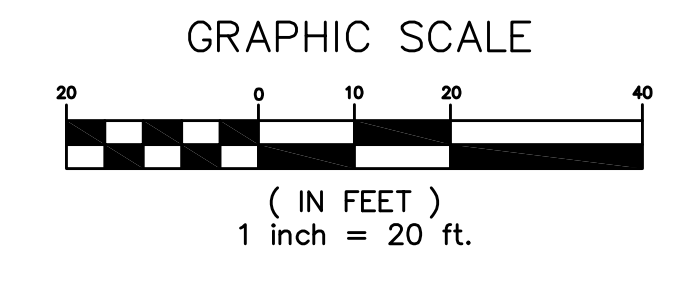
drawing title LOWER LEVEL STRIPING PLAN			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date 12/01/2017		
			scale AS NOTED		
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			drawn by MCC, JDO		
CAD no. 211512			approved by MLJ		
project no. BI-MH-121			drawing no. C-203		



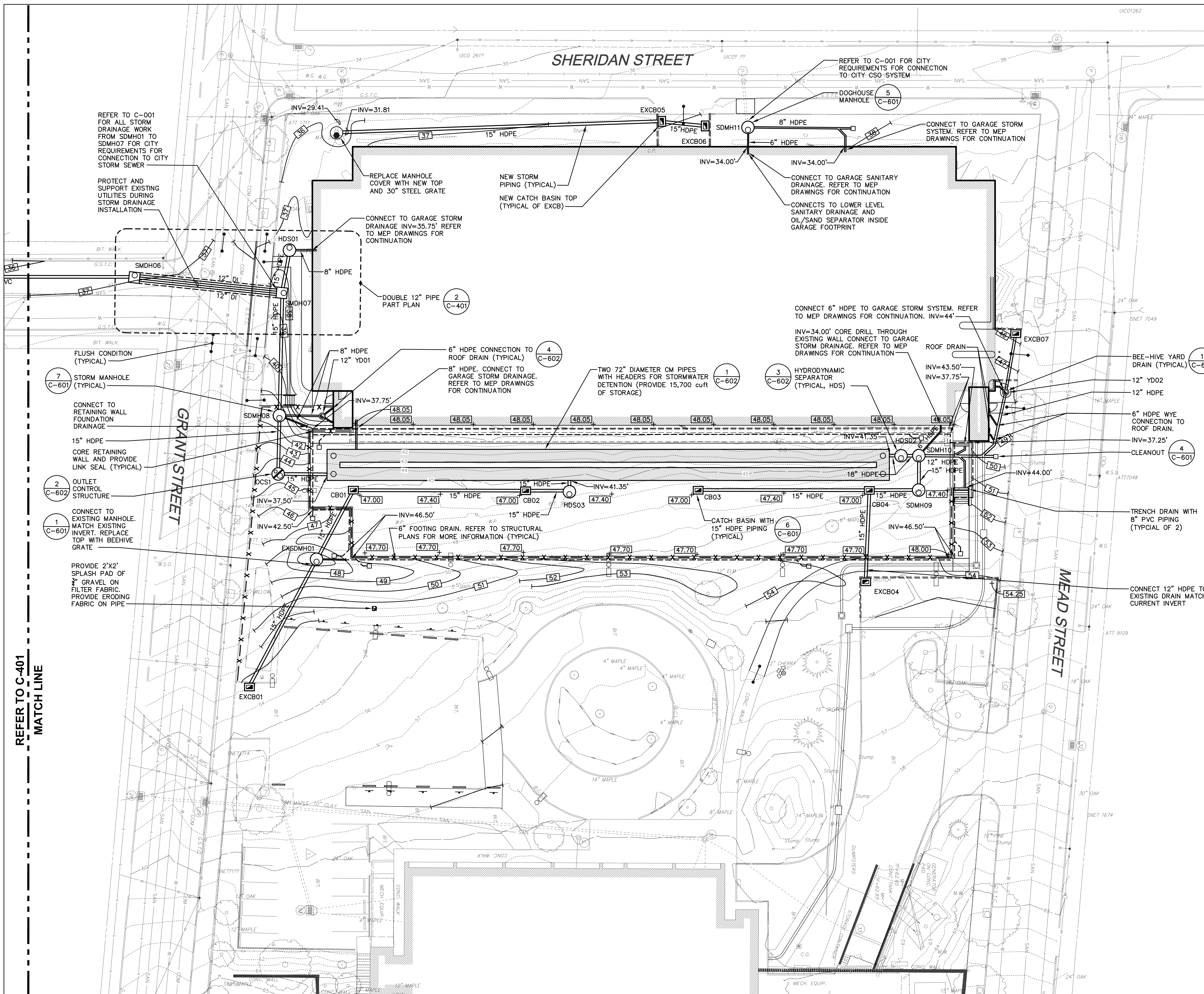


CONDUIT SCHEDULE

- ① (2) #10 AND (1) #10 GROUND IN A 1" CONDUIT
- ② (2) 4" DIRECT BURY ELECTRIC CONDUITS WITH (4) #3/0
- ③ (3) 4" DIRECT BURY TELECOMMUNICATIONS CONDUITS
- ④ WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO ELECTRICAL DETAILS



drawing title SITE ELECTRICAL AND COMMUNICATIONS PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrate services	
mark	date	description	date
			12/01/2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC_IDO	scale AS NOTED
CAD no. 2115112		approved by MLJ	drawing no. C-300
project no. BI-MH-121			



STORM DRAINAGE SCHEDULE					
YD #	TYPE	T/F	INVERT IN	INVERT OUT	
YD01	YD		37.50	-	36.50
YD02	YD		47.80	44.00	44.00

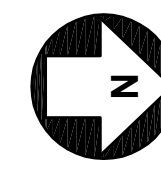
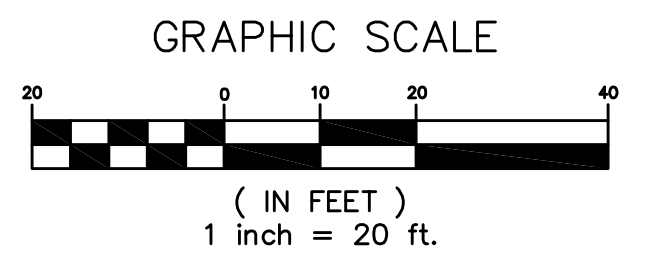
STORM DRAINAGE SCHEDULE					
CB #	TYPE	T/F	INVERT IN	INVERT OUT	
CB01	C		47.00	44.00	44.00
CB02	C		47.00	42.45	42.45
CB03	C		47.00	-	44.36
CB04	C		47.00	43.56	43.56

STORM DRAINAGE SCHEDULE					
SDMH #	TYPE	T/F	INVERT IN	INVERT OUT	
EXSDMH01	MH		48.97	46.00	46.00
HDS01	MH		37.62	35.50	35.50
HDS02	MH		47.36	42.00	42.00
HDS03	MH		47.25	42.30	42.30
OCS1	MH		44.67	37.50	37.50
SDMH01	MH		31.78	24.91	23.41
SDMH02	MH		32.08	27.70	25.21
SDMH03	MH		32.85	28.50	28.24
SDMH04	MH		34.85	30.20	30.20
SDMH05	MH		35.50	31.07	31.07
SDMH06	MH		36.86	34.42	31.50
SDMH07	MH		38.14	35.33	35.33
SDMH08	MH		41.50	37.00	36.00
SDMH09	MH		47.24	43.14	43.14
SDMH10	MH		47.40	43.00	43.00
SDMH11	MH		37.20	33.00	31.31

STORM DRAINAGE SCHEDULE					
SDMH #	TYPE	T/F	INVERT IN	INVERT OUT	
EXSDMH01	MH		48.97	46.00	46.00
HDS01	MH		37.62	35.50	35.50
HDS02	MH		47.36	42.00	42.00
HDS03	MH		47.25	42.30	42.30
OCS1	MH		44.67	37.50	37.50
SDMH01	MH		31.78	24.91	23.41
SDMH02	MH		32.08	27.70	25.21
SDMH03	MH		32.85	28.50	28.24
SDMH04	MH		34.85	30.20	30.20
SDMH05	MH		35.50	31.07	31.07
SDMH06	MH		36.86	34.42	31.50
SDMH07	MH		38.14	35.33	35.33
SDMH08	MH		41.50	37.00	36.00
SDMH09	MH		47.24	43.14	43.14
SDMH10	MH		47.40	43.00	43.00
SDMH11	MH		37.20	33.00	31.31

* INDICATES NEW TOP. PROVIDE NEW TOPS FOR EXCB02 AND EXCB03 PER CITY REQUIREMENTS

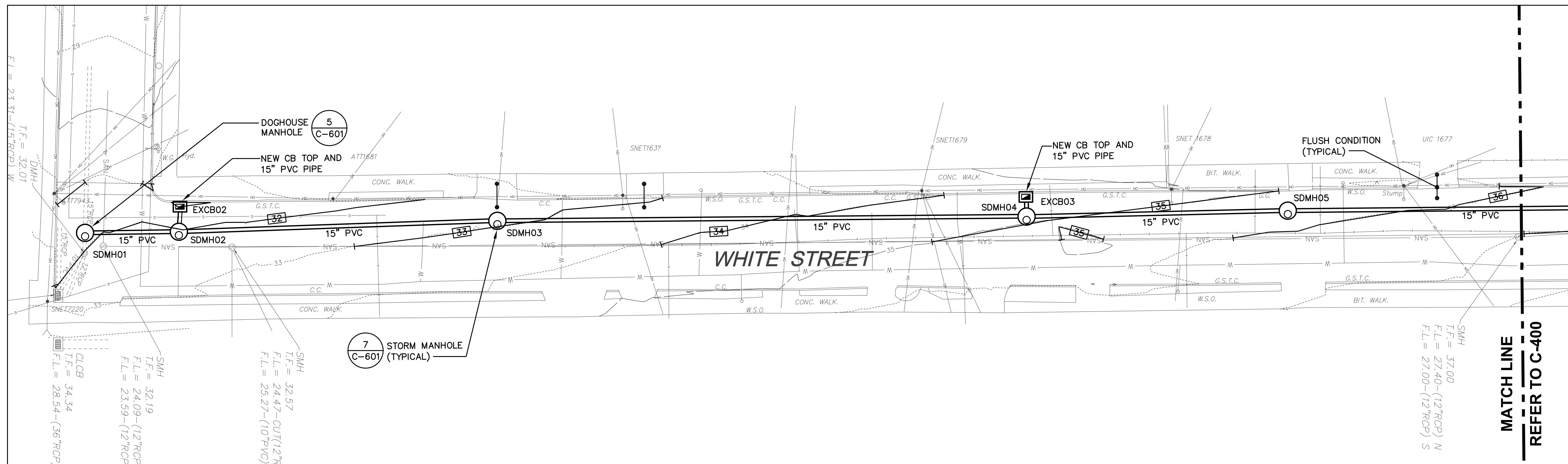
REFER TO C-401
MATCH LINE



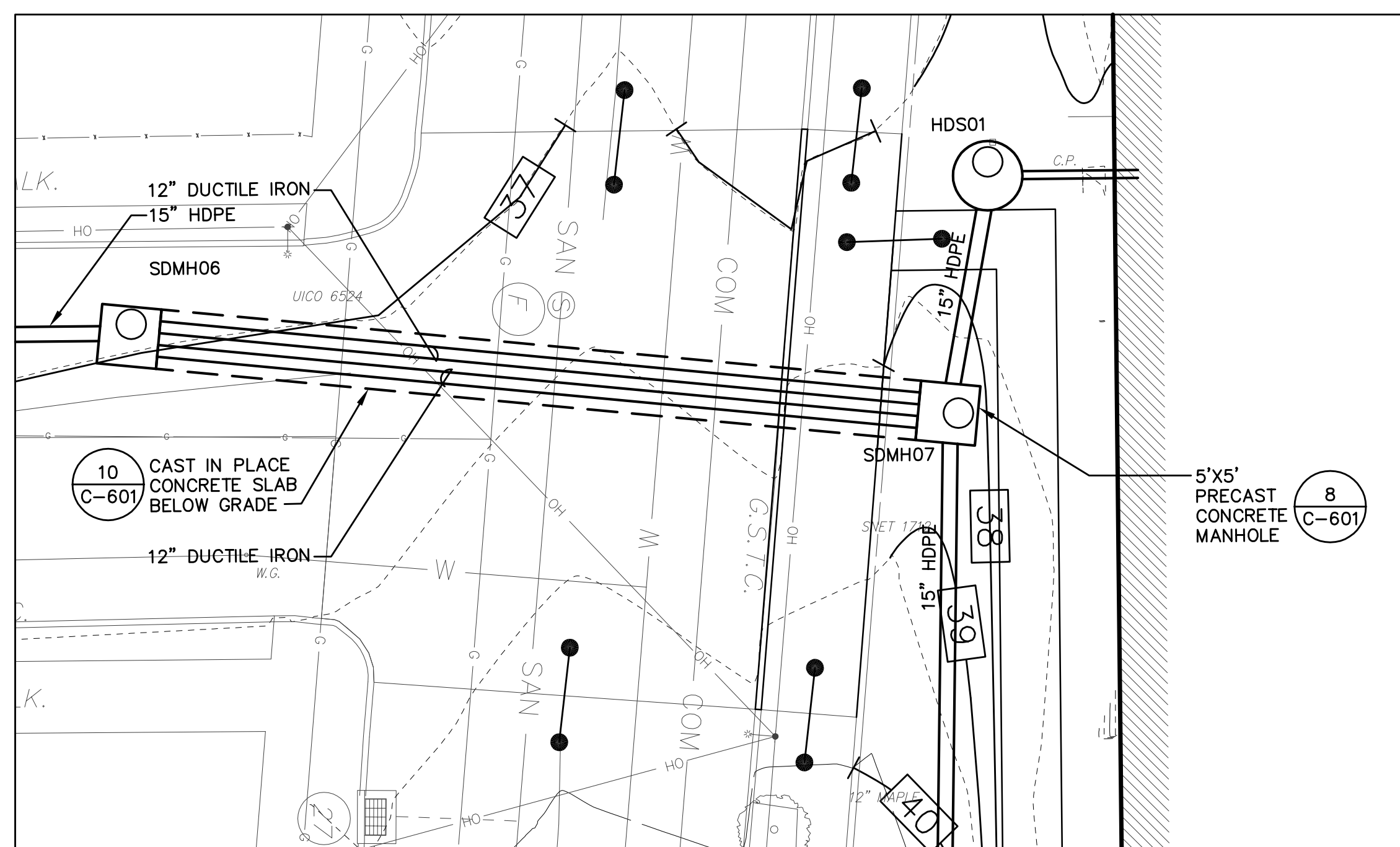
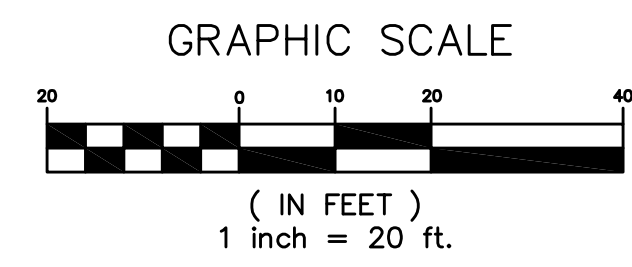
- GRADING AND DRAINAGE GENERAL NOTES:**
- REFER TO DETAILS FOR UTILITY TRENCH DETAIL.
 - PROPOSED GRADES INDICATE INTENT. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAKE FIELD ADJUSTMENTS AS REQUIRED AND AUTHORIZED BY THE OWNER, TO MEET FIELD CONDITIONS AND TO PROVIDE POSITIVE SURFACE DRAINAGE TOWARD NEW OR EXISTING DRAINAGE INLETS. ADJUST EXISTING DRAINAGE STRUCTURES TOP ELEVATIONS AS REQUIRED.
 - UTILITIES ARE SHOWN FOR REFERENCE ONLY.
 - FINAL TOP OF FRAME ELEVATIONS FOR NEW DRAINAGE STRUCTURES MAY NEED TO BE FIELD ADJUSTED TO COORDINATE WITH SITE CONDITIONS AND FINAL GRADING (TYPICAL).
 - INVERTS AND PIPE SIZES FROM BY-PASS MANHOLE, INTO HYDRODYNAMIC SEPARATOR AND OUT OF HYDRODYNAMIC SEPARATOR WILL VARY BASED ON HYDRODYNAMIC SEPARATOR MANUFACTURER. CONTRACTOR SHALL OBTAIN INVERTS AND PIPE SIZES FROM THE MANUFACTURER AND SUBMIT THEM TO THE ENGINEER AS PART OF THE PRODUCT SUBMITTAL FOR APPROVAL. REFER TO DETAIL SHEETS FOR DESIGN INFORMATION REQUIRED BY THE MANUFACTURER TO SET INVERTS AND PIPE SIZES.
 - THE CONTRACTOR SHALL INCLUDE THE MODIFICATION OR RELOCATION OF ALL EXISTING UTILITY LATERALS ALONG THE NEW STORM DRAINAGE PIPING INSTALLATION. REFER TO C-601 DETAILS 9 AND 11.
 - SEED AND COVER ALL DISTURBED AREAS PER DETAIL 8/C-505

drawing title SITE GRADING AND DRAINAGE PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrate services	
mark	date	description	date 12/01/2017
			AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC_IDO approved by MLJ drawing no. C-400	
CAD no. 211512		project no. BI-MH-121	

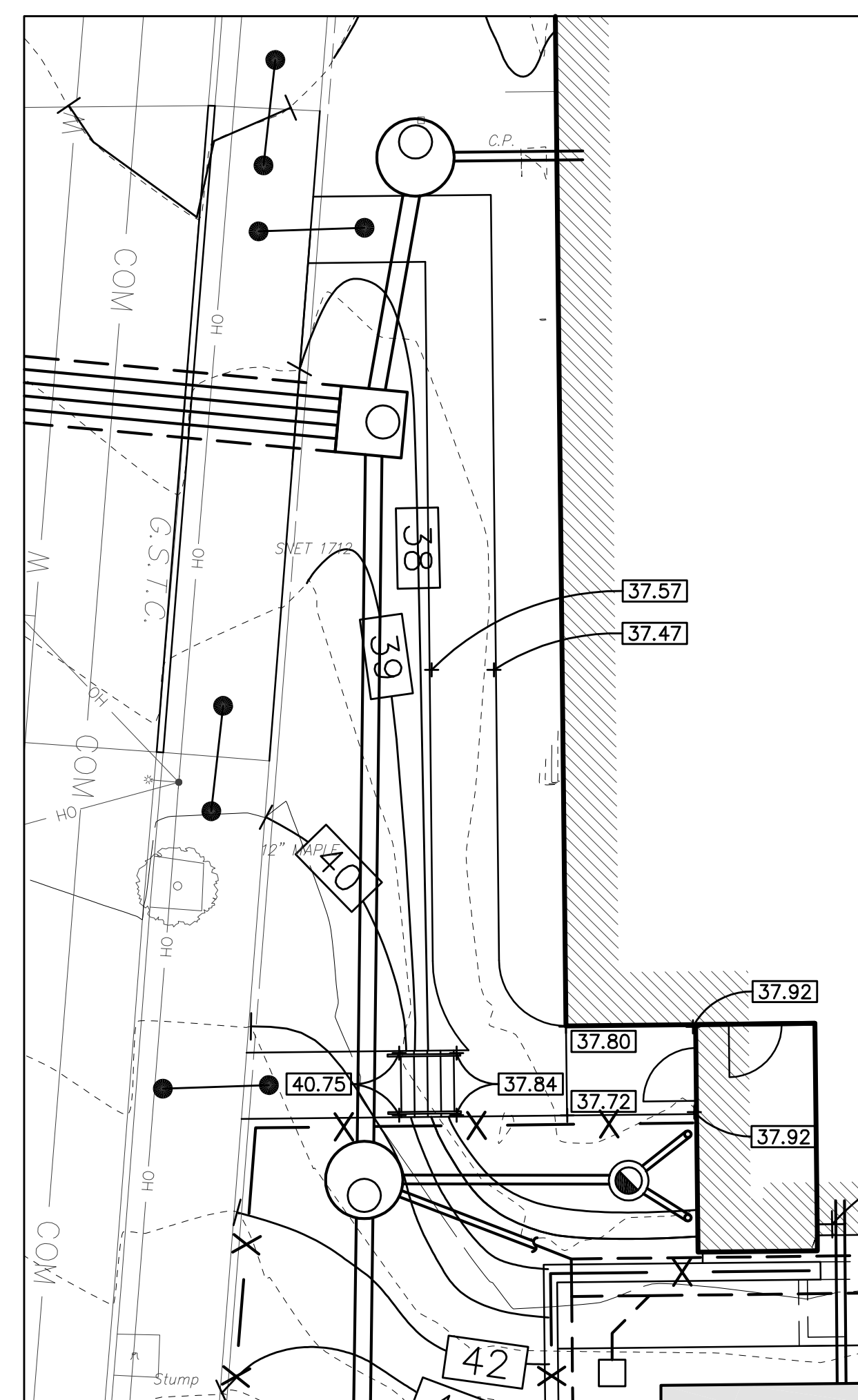
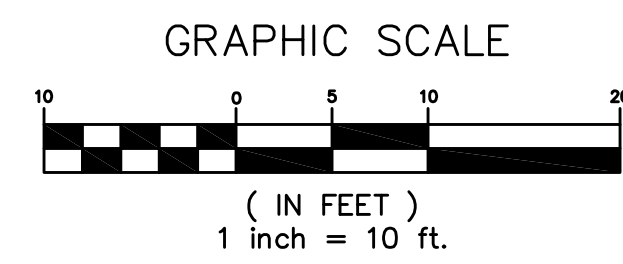




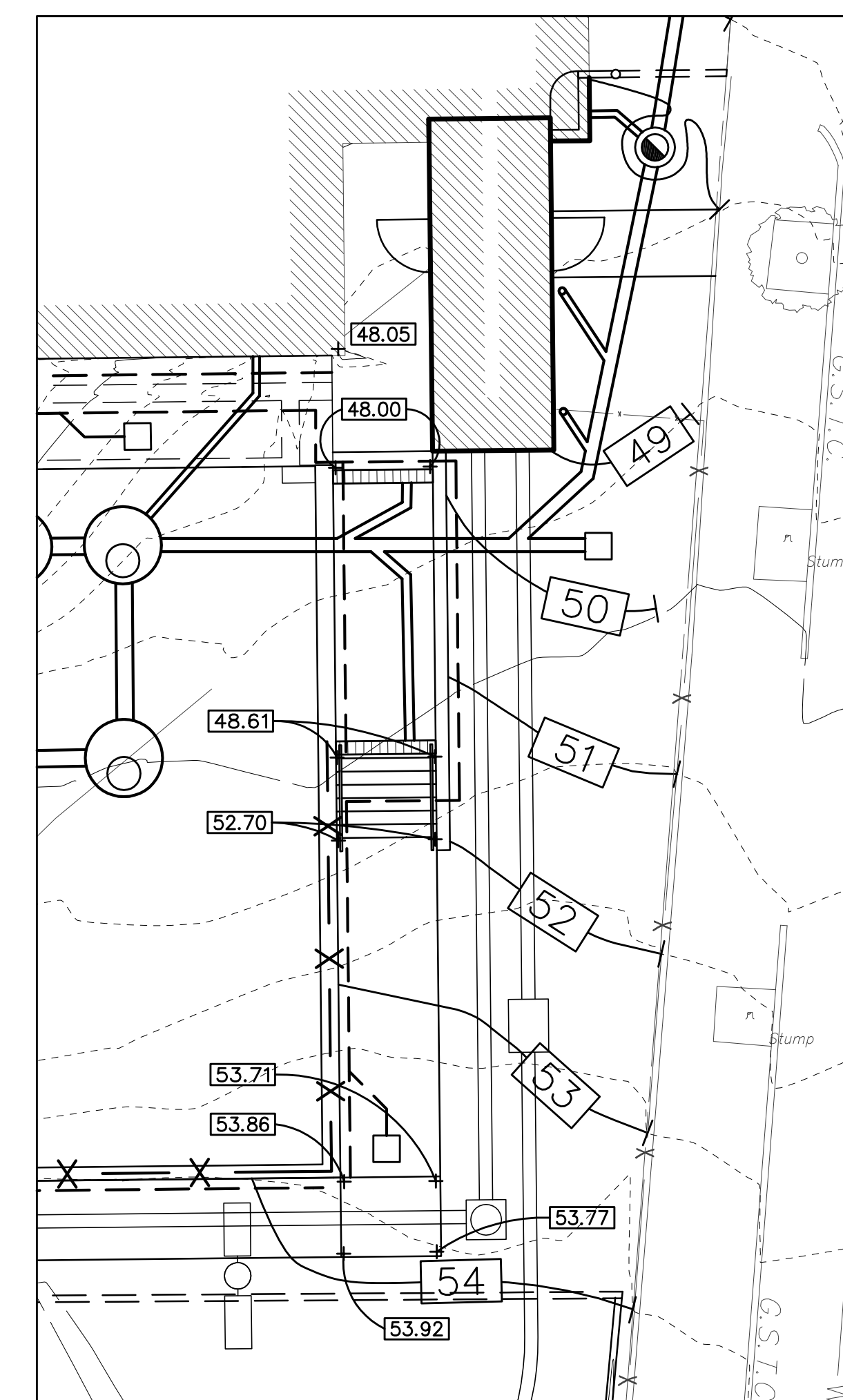
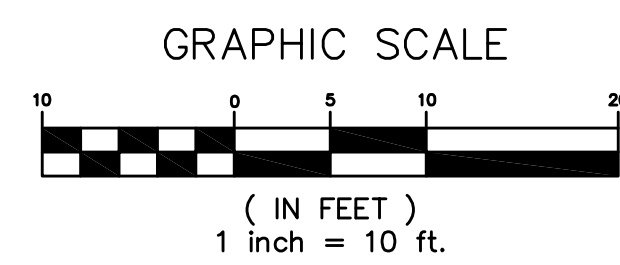
1 WHITE STREET STORM LINE - PLAN
C-401 1" = 20'



2 DOUBLE 12" PIPE PART PLAN
C-401 1" = 10'



3 GRANT STREET ACCESS LAYOUT
C-401 1" = 10'



4 MEAD STREET ACCESS LAYOUT
C-401 1" = 10'

STORM DRAINAGE SCHEDULE				
YD #	TYPE	T/F	INVERT IN	INVERT OUT
YD01	YD	37.50	-	36.50
YD02	YD	47.80	44.00	44.00

STORM DRAINAGE SCHEDULE				
SDMH #	TYPE	T/F	INVERT IN	INVERT OUT
EXSDMH01	MH	48.97	46.00	46.00
HDS01	MH	37.62	35.50	35.50
HDS02	MH	47.36	42.00	42.00
HDS03	MH	47.25	42.30	42.30
OCS1	MH	44.67	37.50	37.50
SDMH01	MH	31.78	24.91	23.41
SDMH02	MH	32.08	27.70	25.21
SDMH03	MH	32.85	28.50	28.24
SDMH04	MH	34.85	30.20	30.20
SDMH05	MH	35.50	31.07	31.07
SDMH06	MH	36.86	34.42	31.50
SDMH07	MH	38.14	35.33	35.33
SDMH08	MH	41.50	37.00 36.50 36.00	36.00
SDMH09	MH	47.24	43.14	43.14
SDMH10	MH	47.40	43.00 43.00	42.25
SDMH11	MH	37.20	33.00 31.31	30.80

STORM DRAINAGE SCHEDULE				
CB #	TYPE	T/F	INVERT IN	INVERT OUT
CB01	C	47.00	44.00	44.00
CB02	C	47.00	42.45	42.45
CB03	C	47.00	-	44.36
CB04	C	47.00	43.56 43.56	43.56
EXCB01*	C	52.79	-	48.29
EXCB02*	C	30.69	-	26.50
EXCB03*	C	34.11	-	31.00
EXCB04*	C	54.21	-	48.96
EXCB05*	C	36.88	32.68	32.68
EXCB06*	C	37.11	-	33.11
EXCB07*	C	45.73	-	44.25

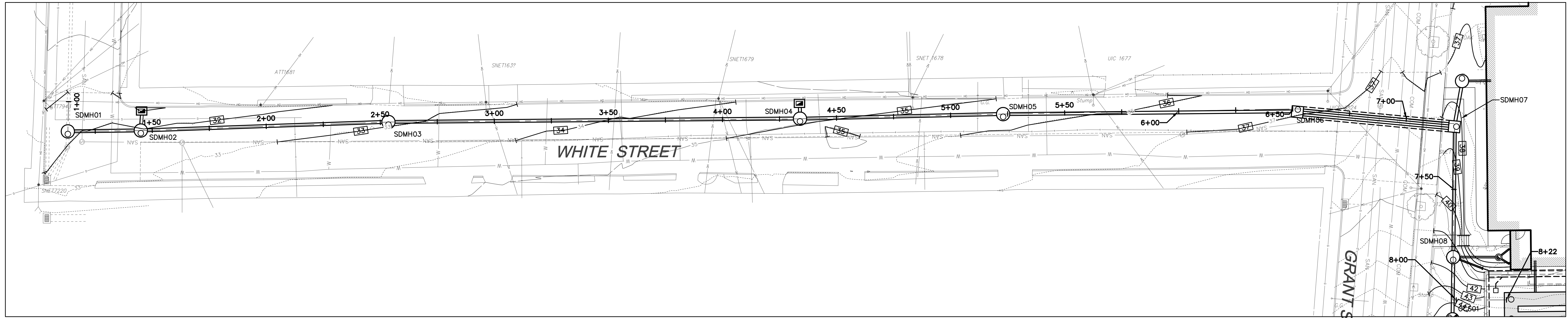
* INDICATES NEW TOP. PROVIDE NEW TOPS FOR EXCB02 AND EXCB03 PER CITY REQUIREMENTS

GRADING AND DRAINAGE GENERAL NOTES:

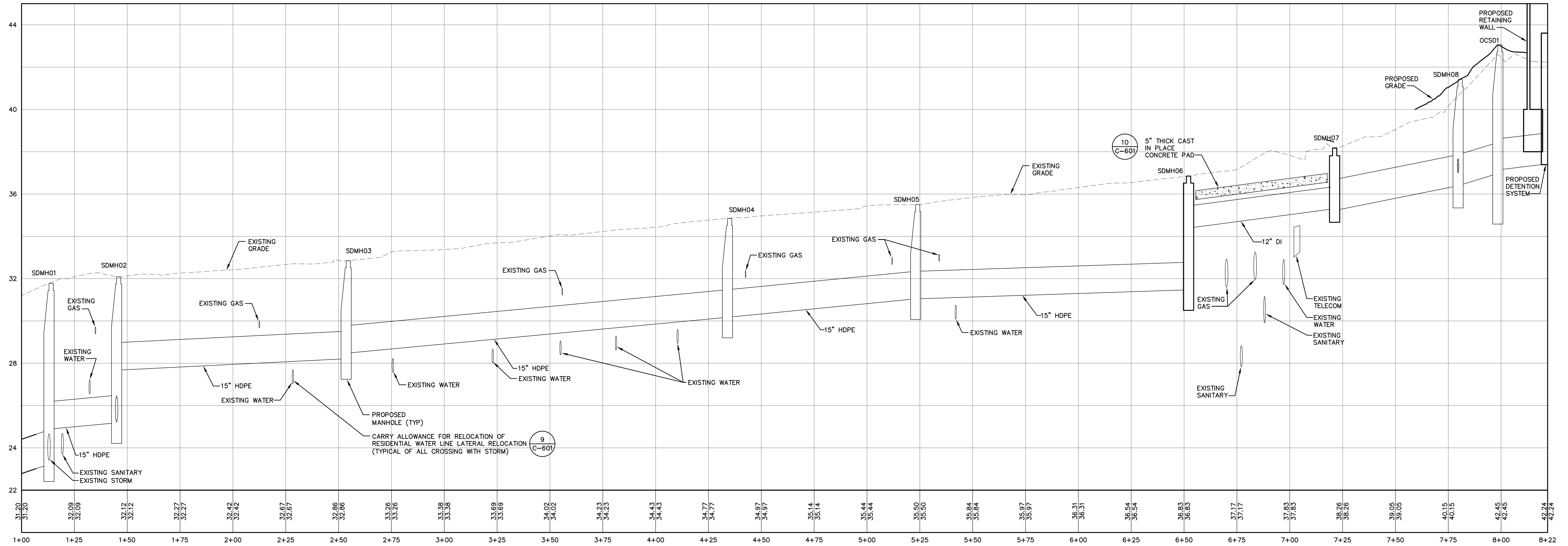
- REFER TO DETAILS FOR UTILITY TRENCH DETAIL.
- PROPOSED GRADES INDICATE INTENT. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAKE FIELD ADJUSTMENTS AS REQUIRED AND AUTHORIZED BY THE OWNER, TO MEET FIELD CONDITIONS AND TO PROVIDE POSITIVE SURFACE DRAINAGE TOWARD NEW OR EXISTING DRAINAGE INLETS. ADJUST EXISTING DRAINAGE STRUCTURES TOP ELEVATIONS AS REQUIRED.
- UTILITIES ARE SHOWN FOR REFERENCE ONLY.
- FINAL TOP OF FRAME ELEVATIONS FOR NEW DRAINAGE STRUCTURES MAY NEED TO BE FIELD ADJUSTED TO COORDINATE WITH SITE CONDITIONS AND FINAL GRADING (TYPICAL).
- INVERTS AND PIPE SIZES FROM BY-PASS MANHOLE, INTO HYDRODYNAMIC SEPARATOR AND OUT OF HYDRODYNAMIC SEPARATOR WILL VARY BASED ON HYDRODYNAMIC SEPARATOR MANUFACTURER. CONTRACTOR SHALL OBTAIN INVERTS AND PIPE SIZES FROM THE MANUFACTURER AND SUBMIT THEM TO THE ENGINEER AS PART OF THE PRODUCT SUBMITTAL FOR APPROVAL. REFER TO DETAIL SHEETS FOR DESIGN INFORMATION REQUIRED BY THE MANUFACTURER TO SET INVERTS AND PIPE SIZES.
- THE CONTRACTOR SHALL INCLUDE THE MODIFICATION OR RELOCATION OF ALL EXISTING UTILITY LATERALS ALONG THE NEW STORM DRAINAGE PIPING INSTALLATION. REFER TO C-601 DETAILS 9 AND 11.
- SEED AND COVER ALL DISTURBED AREAS PER DETAIL 8/C-505

drawing title SITE GRADING AND DRAINAGE PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date 12/01/2017
			scale AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC_IDO approved by MLJ drawing no. C-401	
CAD no. 211512		project no. BI-MH-121	





1 PLAN VIEW - STORM STA:1+00 TO STA: 8+22
C-402/1"=20'

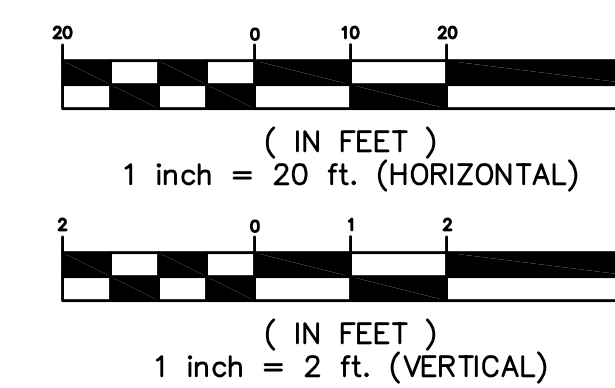


2 PROFILE VIEW - STORM STA:1+00 TO STA:8+22
C-402/H:1"=20' V:1"=2'

PLAN AND PROFILE GENERAL NOTES:

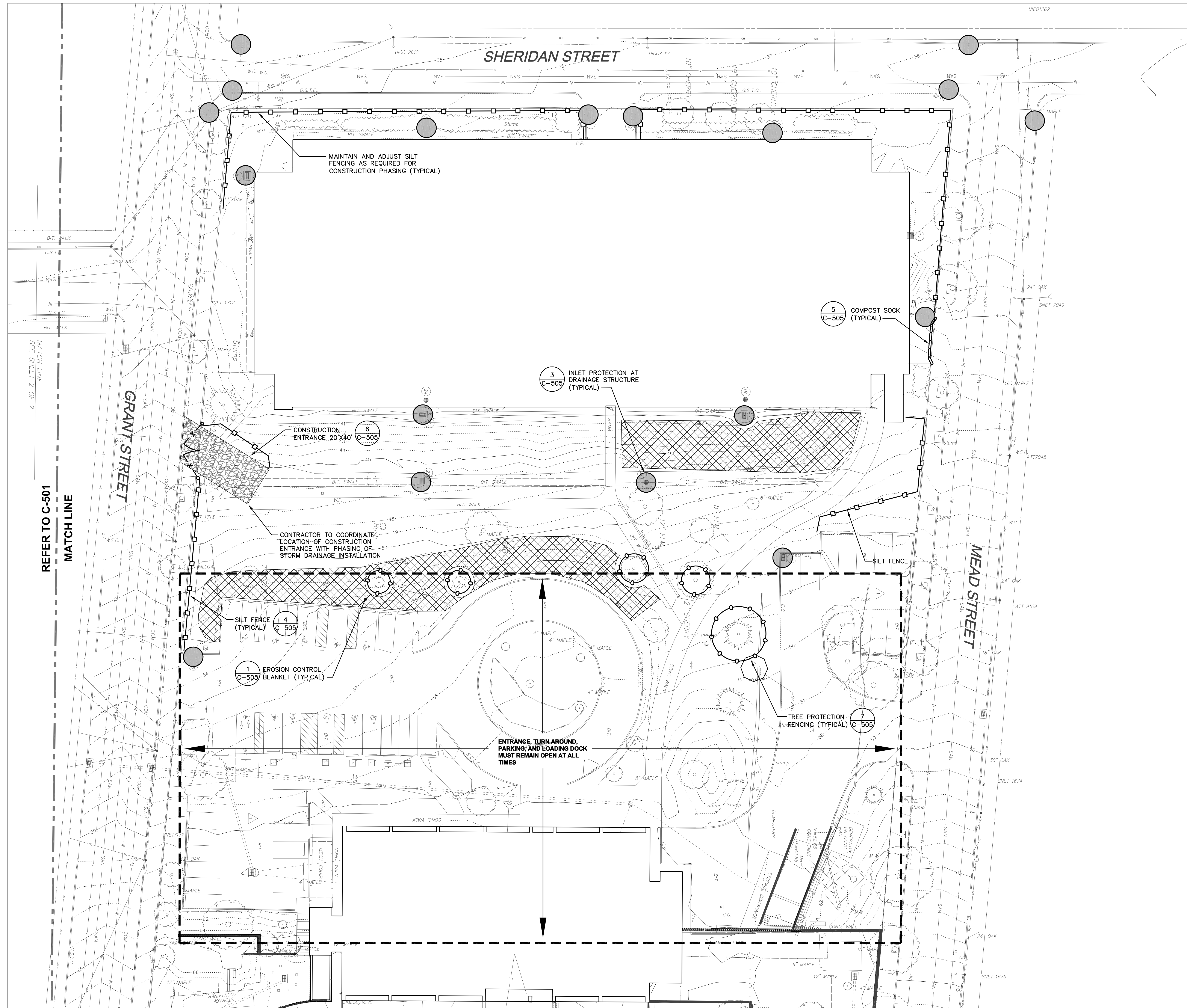
- INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION. REFER TO SURVEY PLANS FOR ADDITIONAL INFORMATION.
- LOCATIONS OF EXISTING UTILITIES NOT RELATED TO STORM OR SANITARY I.E. "ELECTRICAL", "TELECOMMUNICATIONS", "GAS" ETC. ARE BASED ON ASSUMED TYPICAL UTILITY COVER REQUIREMENTS. REFER TO PROJECT SURVEY DRAWINGS FOR INFORMATION REGARDING METHODS AND ACCURACY OF UTILITY LOCATION USED.
- LOCATIONS OF EXISTING UTILITIES SUCH AS STORM AND SANITARY ARE BASED ON INVERTS PROVIDED BY THE SURVEY AND CALCULATED PIPE SLOPES TO DETERMINE INVERT ELEVATIONS AT CROSSINGS OF PROPOSED UTILITIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WORK. MEANS AND METHODS FOR VERIFICATION OF EXISTING UTILITIES TO BE DETERMINED BY THE CONTRACTOR AND COORDINATED WITH THEIR CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES AT A MINIMUM OF THREE (3) BUSINESS DAYS IN ADVANCE OF SCHEDULED INSTALLATION OF NEW WORK. ANY NEW WORK THAT IS INSTALLED WITHOUT PRIOR VERIFICATIONS OF EXISTING UTILITIES THAT REQUIRES REMOVAL AND REINSTALLATION SHALL BE PERFORMED AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL INCLUDE THE MODIFICATION OR RELOCATION OF ALL EXISTING UTILITY LATERALS ALONG THE NEW STORM DRAINAGE PIPING INSTALLATION. REFER TO C-601 DETAILS 9 AND 11.

GRAPHIC SCALES



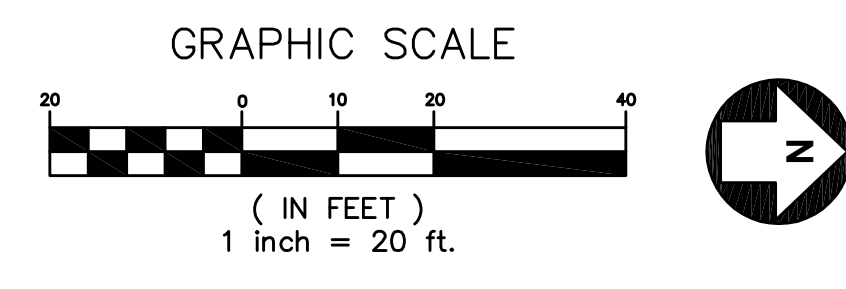
drawing title SITE GRADING AND DRAINAGE PLAN AND PROFILE		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	date 12/01/2017
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project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC_IDO	approved by MLJ
CAD no. 211512	project no. BI-MH-121	drawing no. C-402	



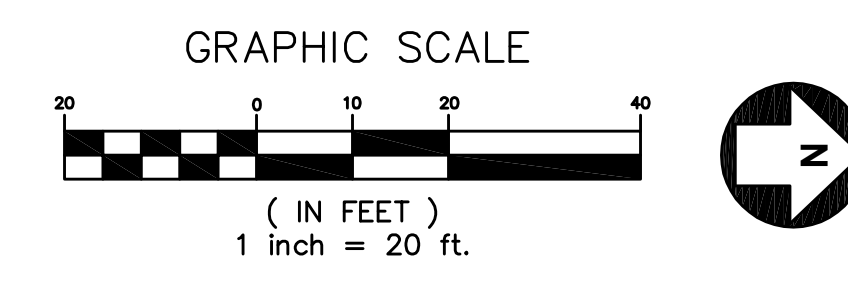
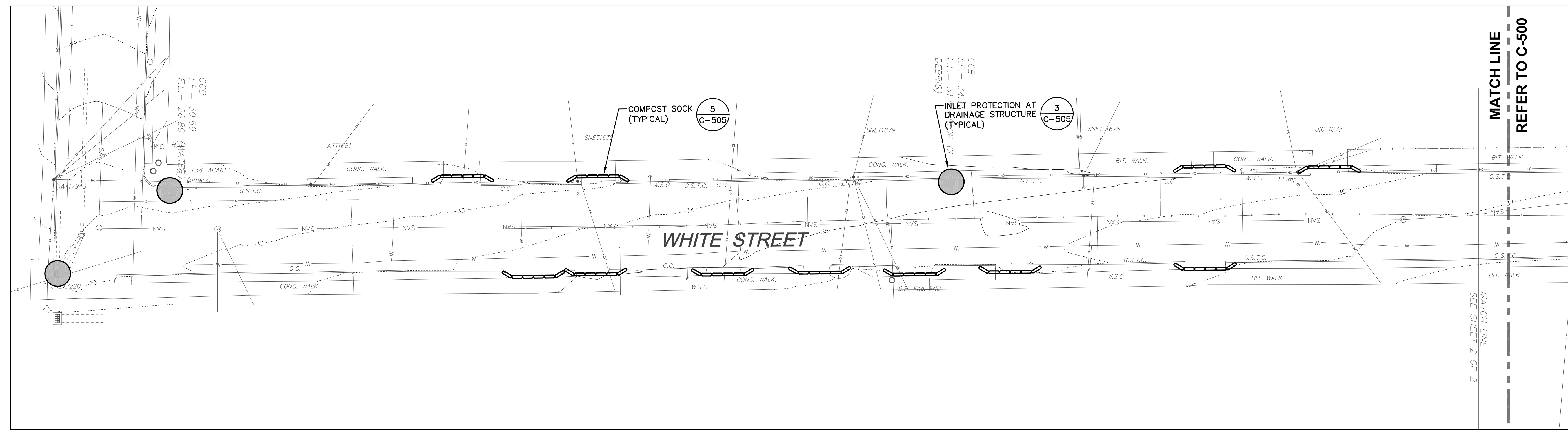


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 2. STORM DRAINAGE AND GRADING ARE SHOWN FOR REFERENCE ONLY.
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REFER TO C-501
MATCH LINE
SEE SHEET 2 OF 2



drawing title SOIL EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrate services	
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		drawing no. C-500	
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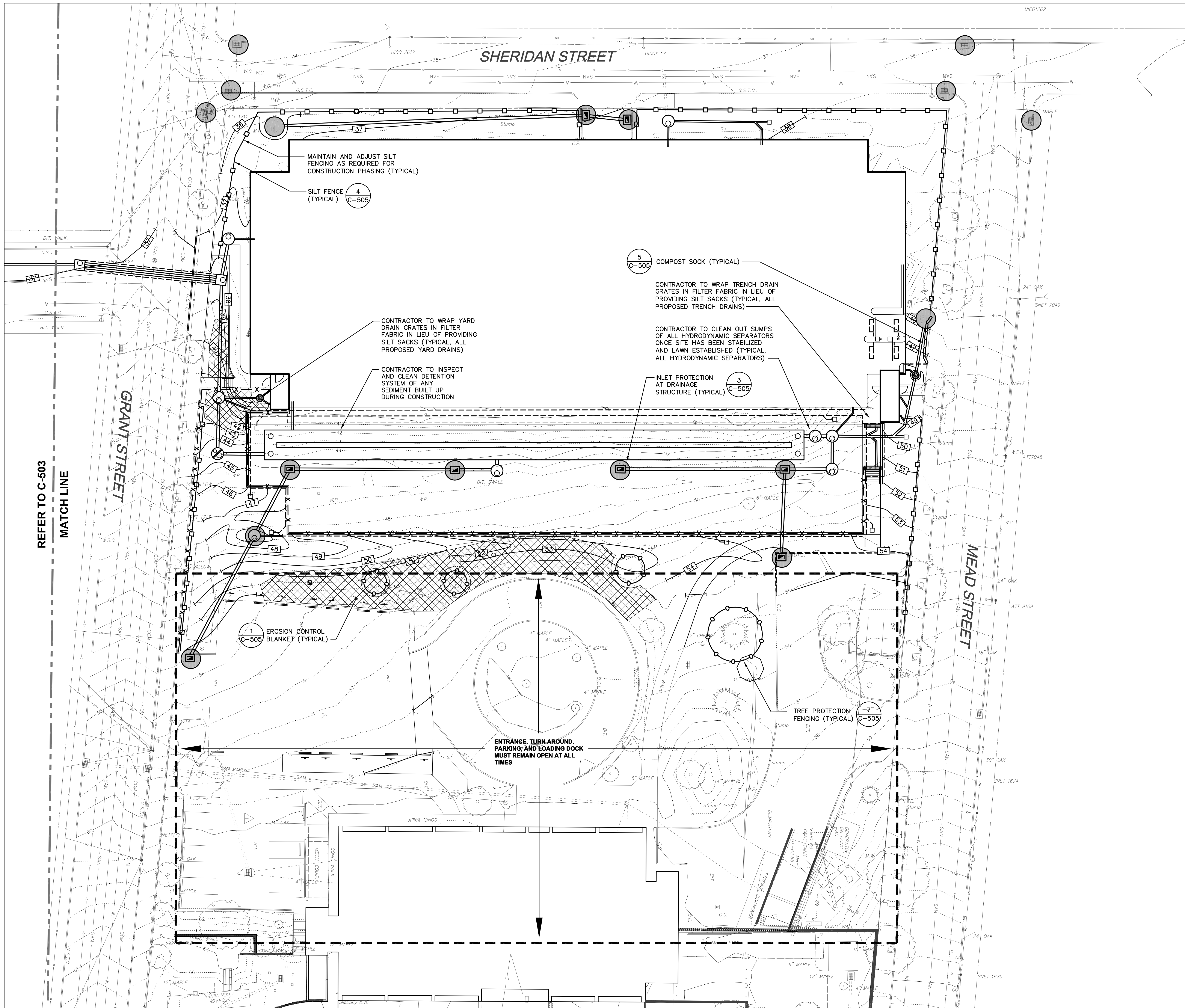


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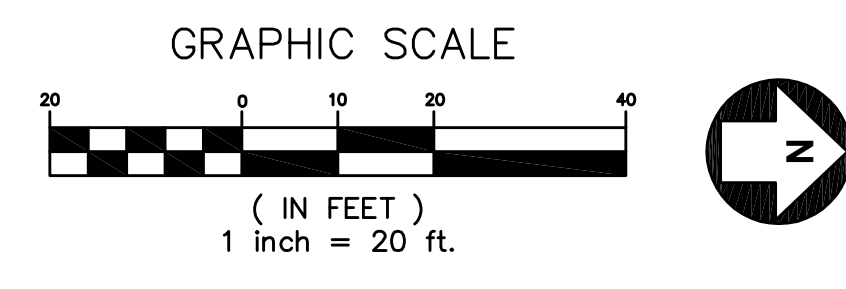
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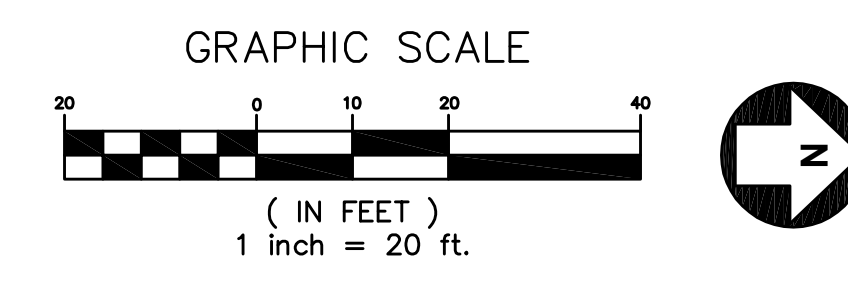
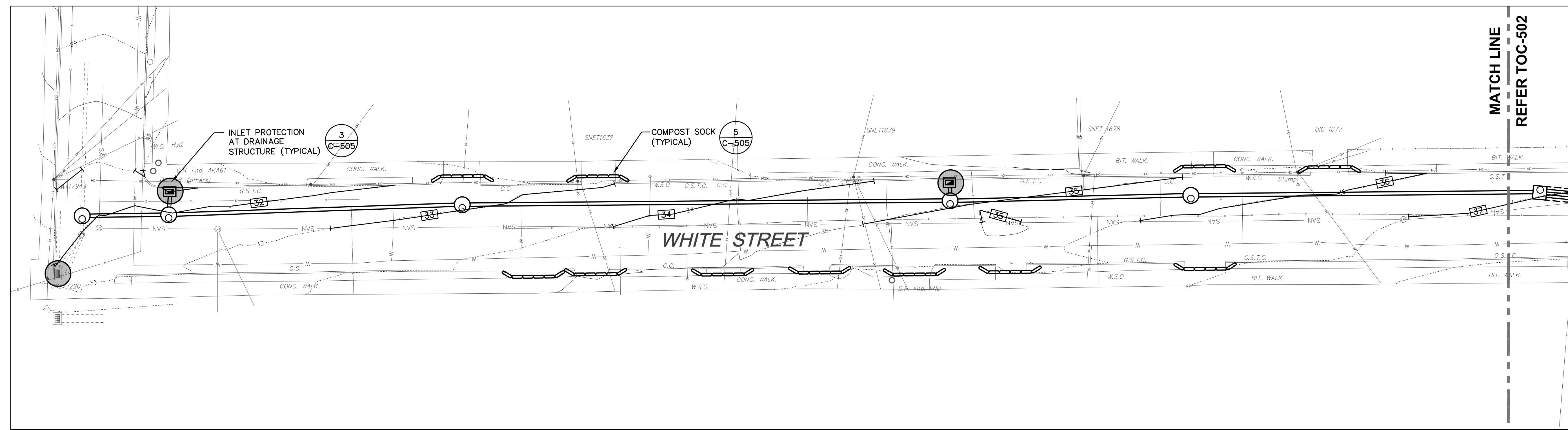


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REFER TO C-503
MATCH LINE



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project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		scale AS NOTED	
CAD no. 211512		project no. BI-MH-121	
		drawing no. C-502	



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		drawing no. C-503	



SITE EROSION CONTROL CHECKLIST				
PROJECT:				BY:
LOCATION:				DATE:
AREA INSPECTED:				
	OVERALL CONDITION	NEED REPAIR	G=GOOD, F=FAIR, P=POOR, Y=YES, N=NO	COMMENTS:
SILT FENCE	G F P	Y N		
CONTINUOUS BERM	G F P	Y N		
DRAIN/INLET PROTECTION	G F P	Y N		
TREE PROTECTION	G F P	Y N		
TOPSOILING	G F P	Y N		
LAND GRADING	G F P	Y N		
SURFACE ROUGHENING	G F P	Y N		
DUST CONTROL	G F P	Y N		
TEMPORARY SEEDING	G F P	Y N		
PERMANENT SEEDING	G F P	Y N		
SODDING	G F P	Y N		
LANDSCAPE PLANING	G F P	Y N		
TEMPORARY SOIL PROTECTION	G F P	Y N		
MULCH FOR SEED	G F P	Y N		
LANDSCAPE MULCH	G F P	Y N		
TEMPORARY EROSION CONTROL BLANKET	G F P	Y N		
STONE SLOPE PROTECTION	G F P	Y N		
RETAINING WALLS	G F P	Y N		
RIP RAP	G F P	Y N		
CHANNEL GRADE STABILIZATION STRUCTURE	G F P	Y N		
TEMPORARY LINED CHUTE	G F P	Y N		
TEMPORARY PIPE SLOPE DRAIN	G F P	Y N		
VEGETATED WATERWAY	G F P	Y N		
TEMPORARY LINED CHANNEL	G F P	Y N		
PERMANENT LINED WATERWAY	G F P	Y N		
TEMPORARY FILL BERM	G F P	Y N		
WATER BAR	G F P	Y N		
TEMPORARY DIVERSION	G F P	Y N		
SUBSURFACE DRAIN	G F P	Y N		
DETENTION BASIN	G F P	Y N		
LEVEL SPREADER	G F P	Y N		
OUTLET PROTECTION	G F P	Y N		
STONE CHECK DAM	G F P	Y N		
TEMPORARY SEDIMENT BASIN	G F P	Y N		
TEMPORARY SEDIMENT TRAP	G F P	Y N		
HAY BALE BARRIER	G F P	Y N		
GEOTEXTILE SILT FENCE	G F P	Y N		
VEGETATIVE FILTER	G F P	Y N		
CONSTRUCTION ENTRANCE	G F P	Y N		
PORTABLE SEDIMENT TANK	G F P	Y N		
DEWATERING OF EARTH MATERIALS	G F P	Y N		
ARE CONTROLLED RELEASES OF MUD OR MUDDY WATER FROM THE SITE EVIDENT?			YES	NO
IF YES, WHAT CORRECTIVE ACTIONS ARE RECOMMENDED?				
ARE DEPOSITS OF SEDIMENT EVIDENT ON ADJACENT OFF-SITE STREETS OR PROPERTIES?			YES	NO
IF YES, WHAT CORRECTIVE ACTIONS ARE RECOMMENDED?				
	OVERALL CONDITION	NEED REPAIR	G=GOOD, F=FAIR, P=POOR, Y=YES, N=NO	COMMENTS:
STAGING REMOVAL OF VEGETATION	G F P	Y N		
NEW VEGETATION ESTABLISHMENT	G F P	Y N		
MULCH AND/OR BFM PROTECTION	G F P	Y N		
SOIL BINDER PROTECTION	G F P	Y N		
HILLSIDE RECP'S	G F P	Y N		
DRAINAGE CHANNEL ECB'S	G F P	Y N		
RIP RAP	G F P	Y N		
ADDITIONAL COMMENTS:				
INSPECTION COMPLETED ON:				BY:
I CERTIFY THIS INSPECTION WAS COMPLETED BY MYSELF OF UNDER MY SUPERVISION:				
DATE:				

MAINTENANCE SCHEDULE FOR TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES		
TYPE	INSPECTION SCHEDULE	REPAIR SCHEDULE
INLET PROTECTION	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE DAMAGED SILTATION SACK IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/2 DEPTH OF CONTAINMENT AREA
COMPOST FILTER SOCK	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/2 HEIGHT OF FENCE
SILT FENCE	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/2 HEIGHT OF FENCE
STABILIZED LAYDOWN AREA	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPAIR IMMEDIATELY. REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO NEARBY PAVED SURFACES.

GENERAL GUIDELINES AND PRINCIPALS

- THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES OF ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.
- THE OBJECTIVE IS TO MINIMIZE THE AMOUNT OF SEDIMENT-LADEN RUNOFF THROUGH IMPLEMENTATION OF A VARIETY OF CONVENTIONAL SOIL SEDIMENTATION AND EROSION CONTROL PRACTICES RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. PROCEDURES AND APPLICATION TECHNIQUES SHALL CONFORM TO THE ABOVE MENTIONED GUIDELINES. THE DETAILS SHOWN ON THE CONTRACT DRAWINGS AND THE CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES (GENERAL PERMIT).
- EXISTING TREES TO REMAIN MUST BE PROTECTED. DO NOT PARK OR STORE MATERIALS UNDER TREES. DO NOT DIRECT RUNOFF OR ALLOW SILT TO EXTEND UNDER TREES. AVOID DAMAGE TO TRUNKS AND BRANCHES. CONTRACTOR MUST CLEAN UP EDGE BEFORE LEAVING SITE.
- STAGE CONSTRUCTION ACTIVITIES SUCH THAT ONLY THOSE AREAS OF THE SITE SCHEDULED FOR IMMEDIATE DEVELOPMENT ARE DISTURBED AND ACTIVITIES SCHEDULED FOR LATER DEVELOPMENT ARE NOT STARTED PREMATURELY. RE-STABILIZATION SHALL BE SCHEDULED IMMEDIATELY AFTER DISTURBANCE.
- EARTH DISTURBANCE SHOULD BE TIMED TO MINIMIZE POTENTIAL IMPACTS CAUSED BY SEASONAL WEATHER CHANGES AND SCHEDULED FOR PERIODS WHEN SOIL SATURATION IS LOW AND SOIL LOSS HAZARD IS AT MINIMUM RISK.
- SUSPEND EARTHWORK CONSTRUCTION ACTIVITIES FOR MAJOR STORM EVENTS AND IMPLEMENT ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES, AS NECESSARY.
- THERE WILL BE NO LARGE CUTS OR FILLS LEFT AS "RAW" AREAS. SUB-GRADE WILL BE ACHIEVED AS SOON AS POSSIBLE AND AN ESTABLISHED PROCEDURE OF TEMPORARY SEEDING AND/OR COVER WITH EROSION PROTECTION (EROSION CONTROL BLANKETS FOR SLOPES AND MULCH OR EROSION CONTROL BLANKETS FOR FLAT AREAS); WILL BE FOLLOWED TO INSURE MINIMAL SOIL LOSS.
- ALL SURFACES DESIGNATED FOR PAVING WILL HAVE THE SUB-BASE, BASE AND BINDER INSTALLED AS SOON AS POSSIBLE. WHERE FEASIBLE THE STORM DRAINAGE SYSTEM WILL BE INSTALLED TO PROVIDE CONTROL OF SURFACE RUNOFF.
- PROVIDE SILT FENCE BARRIER AROUND STOCKPILES
- EROSION CHECK DAMS CONSISTING OF STONE, SILT FENCE OR HAYBALES SHALL BE INSTALLED TO PREVENT SILTATION DOWNGRADE OF CONSTRUCTION.
- SILT FENCE FABRIC BARRIERS SHALL BE INSTALLED AT ALL OUTLETS AND ALONG TOE OF CRITICAL SLOPES.
- INLET STRUCTURES (EXISTING AND PROPOSED) SHALL BE PROTECTED WITH FILTER FABRIC BARRIERS INSTALLED BETWEEN GRATE AND FRAME AS WELL AS SURROUNDING STRUCTURE IN SOFTSCAPE AREAS.
- CREATE TEMPORARY SEDIMENT TRAPS AS NECESSARY WITHIN WORK AREA AND SIZED AT 3,600 CF/ACRE CONTRIBUTING.
- INSTALL RIP RAP OR GRASS LINED SWALES TO DIRECT DRAINAGE TO TEMPORARY SEDIMENT TRAPS.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IS NECESSARY OR REQUIRED.
- WHEN RIPRAP IS USED, PROVIDE FABRIC BETWEEN SOIL AND RIPRAP
- IN AREAS OF GENERAL FILLS, PITCH SLOPE AWAY FROM EDGE OF FILL SLOPE DURING CONSTRUCTION EACH NIGHT. GRADE LAND TOWARD RIPRAP SWALES AT END OF EACH NIGHT.
- PROTECT STREET SIDE OF CONSTRUCTION ENTRANCES AT END OF THE WORK DAY BY SILT FENCE FABRIC, HAYBALES OR STONE BERMS.
- AS TOPOGRAPHY CHANGES, DIRECT STORM WATER RUNOFF TO TEMPORARY SEDIMENT TRAPS.
- PITCH ALL WATER AT END OF EACH WORK DAY INTO TEMPORARY SEDIMENT TRAPS. VEHICLES SHALL BE WASHED OFF IN AREAS THAT DO NOT RESULT IN SEDIMENT OR OTHER MATERIALS LEAVING THE SITE. NO VEHICLES SHALL BE WASHED UNDER TREES, ON ROADS, OR IN SENSITIVE AREAS OF THE SITE.
- MAINTAIN CONSTRUCTION ENTRANCES AND HAIL ROADS REGULARLY. REMOVE AND REPLACE STONE SURFACE AS NECESSARY.
- SEDIMENT REMOVAL FROM CONTROL MEASURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
- PROVIDE STREET SWEEPING ON ROCKVIEW STREET AND ISADORE STREET ON A REGULAR BASIS.
- ON-SITE TRUCKS SHALL HAVE COVERS TO MINIMIZE DUST.

EROSION AND SEDIMENTATION CONTROL CONSTRUCTION STAGES:

- STAGE I:**
- IMMEDIATELY AFTER MOBILIZATION BUT PRIOR TO INITIATING ANY SOIL-DISTURBING ACTIVITIES THE CONTRACTOR SHALL MAKE A GENERAL SITE ASSESSMENT TO ESTABLISH CONSTRUCTION LIMITS, DESIGNATE CONSTRUCTION ENTRANCES AND MAIN HAIL ROADS WITHIN THE SITE AND INSTALL ALL SPECIFIED SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- STAGE II:**
- CLEAR SITE AS REQUIRED ACCOMMODATING THE CONSTRUCTION. LEGALLY CUT AND CHIP BRUSH AND REMOVE STUMPS FROM THE SITE TO BE DISPOSED OF IN A PROPER MANNER. THE OWNER'S PERMISSION IS REQUIRED BEFORE CLEARING BEYOND TREE LINE OR WOODED AREA DEFINED ON THE PLANS.
 - ADDRESS ALL STOCKPILE MATERIAL AS INDICATED IN THE EROSION CONTROL SPECIFICATION.
 - EXCAVATE SITE TO SUB GRADE AND INSTALL ALL REQUIRED MEASURES TO STABILIZE THE SITE AND PREVENT SOIL EROSION AND CONTROL SOIL SEDIMENTATION. NO RAW CUTS OR FILL SHALL BE LEFT EXPOSED TO THE ELEMENTS. IF NO WORK IS ANTICIPATED WITHIN A TWO (2) WEEK PERIOD, OR IF SIGNIFICANT RAINFALL IS ANTICIPATED, COVER EXPOSED AREAS AS INDICATED IN THE APPLICATION/GENERAL PROCEDURE.
- STAGE III:**
- SURVEY, STAKE, AND PLACE NEW IMPROVEMENTS IDENTIFIED WITHIN THE WORK AREA AND AS SHOWN ON THE CONTRACT DRAWINGS.
 - MAINTAIN, CLEAN AND REPAIR EROSION CONTROL AND SEDIMENT PROTECTION MEASURES AS RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- STAGE IV:**
- RESPREAD TOPSOIL TO DESIGNATED AREAS.
 - INSTALL NEW PLANTING. BEGIN WITH THE SITE PERIMETER PLANTING IN BUFFER YARDS TO ACHIEVE EARLY STABILIZATION, AND THEN PLANT SITE INTERIOR AREAS AND FINALLY PLACE SEED.
 - CLEAN UP SITE BUT LEAVE REMAINING EROSION CONTROL AND SEDIMENT PROTECTION MEASURES IN PLACE UNTIL SITE IS STABILIZED AS APPROVED BY THE ENGINEER.
 - MAINTAIN, CLEAN AND REPAIR EROSION CONTROL AND SEDIMENT PROTECTION MEASURES AS RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

RECOMMENDED POST-CONSTRUCTION OWNER MAINTENANCE

THE RECOMMENDATIONS BELOW ARE FOR THE OWNER'S REFERENCE AND USE IN CREATING A LONG TERM MAINTENANCE PLAN FOR THE STORMWATER SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR THE INITIAL CLEANING AS NOTED IN THE RECORDS KEEPING AND TERMINATION SECTION OF THE GENERAL PERMIT REQUIREMENTS ON THIS SHEET. LONG TERM CLEANING IS THE RESPONSIBILITY OF THE OWNER.

CATCH BASINS/INLET STRUCTURES

- TRASH AND DEBRIS SHALL BE REMOVED FROM CATCH BASIN GRATES AS OFTEN AS NECESSARY TO ENSURE SYSTEM CAN COLLECT/INTERCEPT RUNOFF.
- STRUCTURES SHALL BE CLEANED TWICE PER YEAR, REMOVING ALL SEDIMENT FROM SLUMPS AND DISPOSING OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
- VISUAL INSPECTION OF BASIN INTEGRITY AND ASSOCIATED COMPONENTS SHALL BE PERFORMED DURING CLEANING AND REPLACED OR REPAIRED AS NECESSARY.
- DURING DRY FLOW PERIODS, WASH OUT DRAIN PIPES AND CLEAN CATCH BASINS TO MINIMIZE FUTURE RE-SUSPENSION.
- A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.

HYDRODYNAMIC SEPARATOR

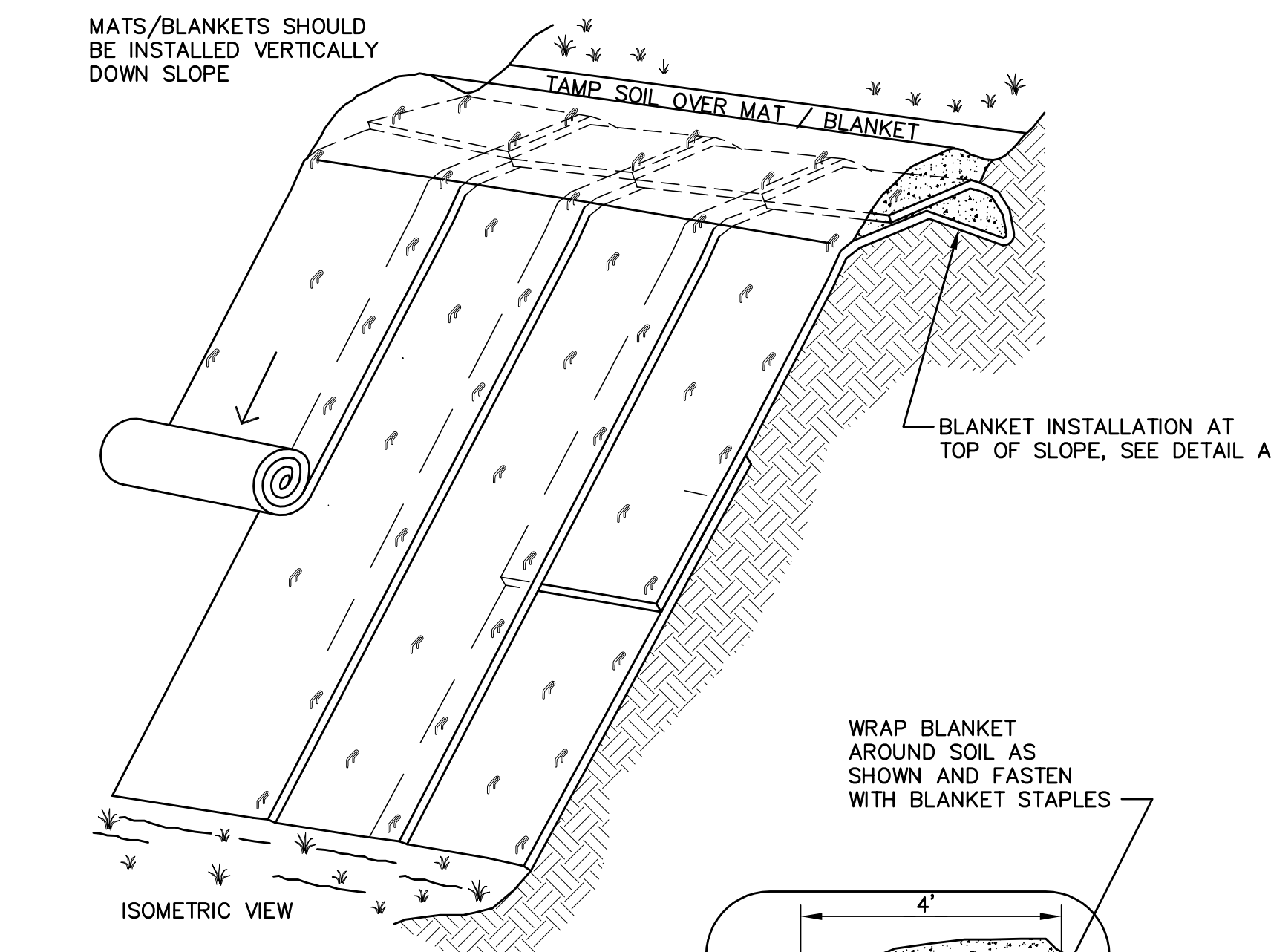
- STRUCTURES SHALL BE INSPECTED FOR ACCUMULATED SEDIMENT ON A QUARTERLY BASIS AND CLEANED WHEN THE DEPTH OF SEDIMENT IS IN EXCESS OF ONE FOOT. COLLECTED SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
- A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.

UNDERGROUND STORMWATER DETENTION STRUCTURES

- STRUCTURES SHALL BE CLEANED TWICE PER YEAR, REMOVING ALL SEDIMENT AND DISPOSING OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
- THE SYSTEM WILL INCORPORATE INSPECTION PORTS AND ACCESS PORTS FOR CLEANING. A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.



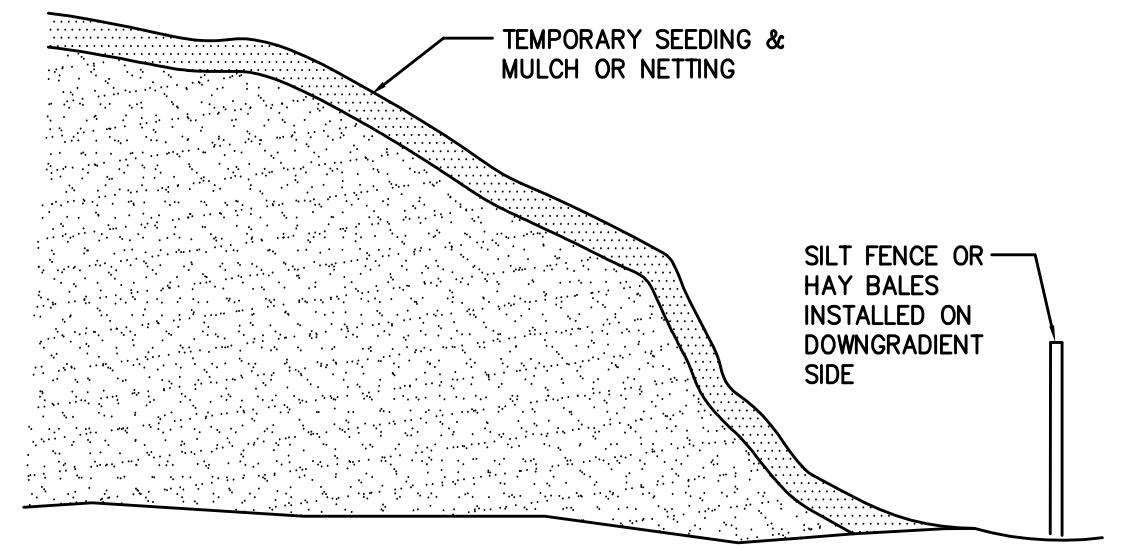
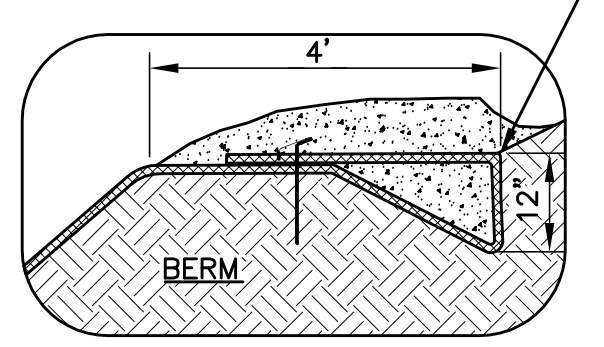
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REVISIONS			
mark	date	description	
drawing prepared by BVH integrate services			date 12/01/2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			scale AS NOTED
CAD no. 211512			project no. BI-MH-121
drawing no.			C-504



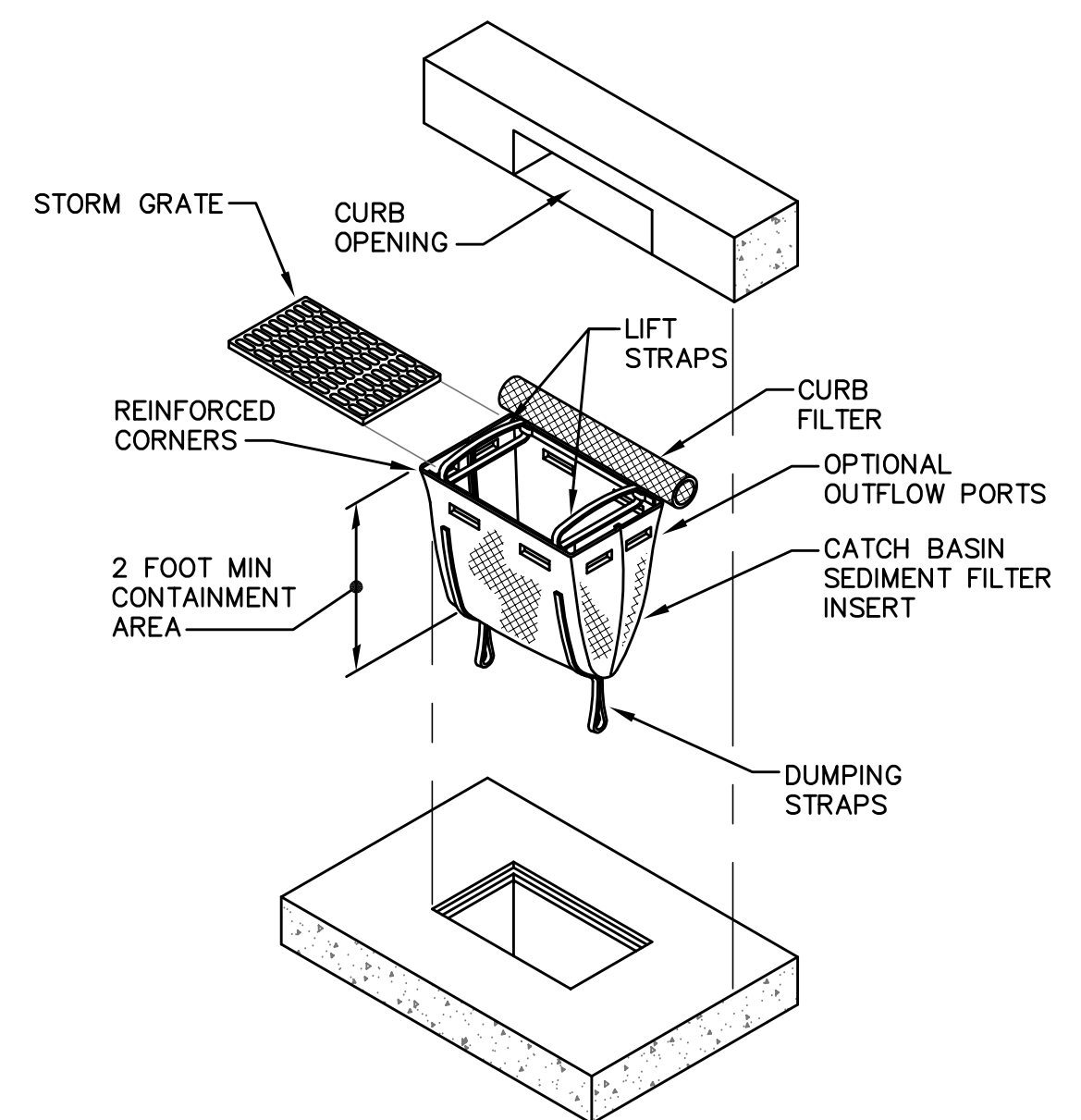
TYPICAL SLOPE SOIL STABILIZATION

- NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. REFER TO SPECIFICATIONS FOR INSTALLATION AND ADDITIONAL INFORMATION.
 5. PROVIDE BLANKET APPLICABLE FOR SLOPES 1'V:2'H OR STEEPER WITH A DURATION OF 12 MONTHS.

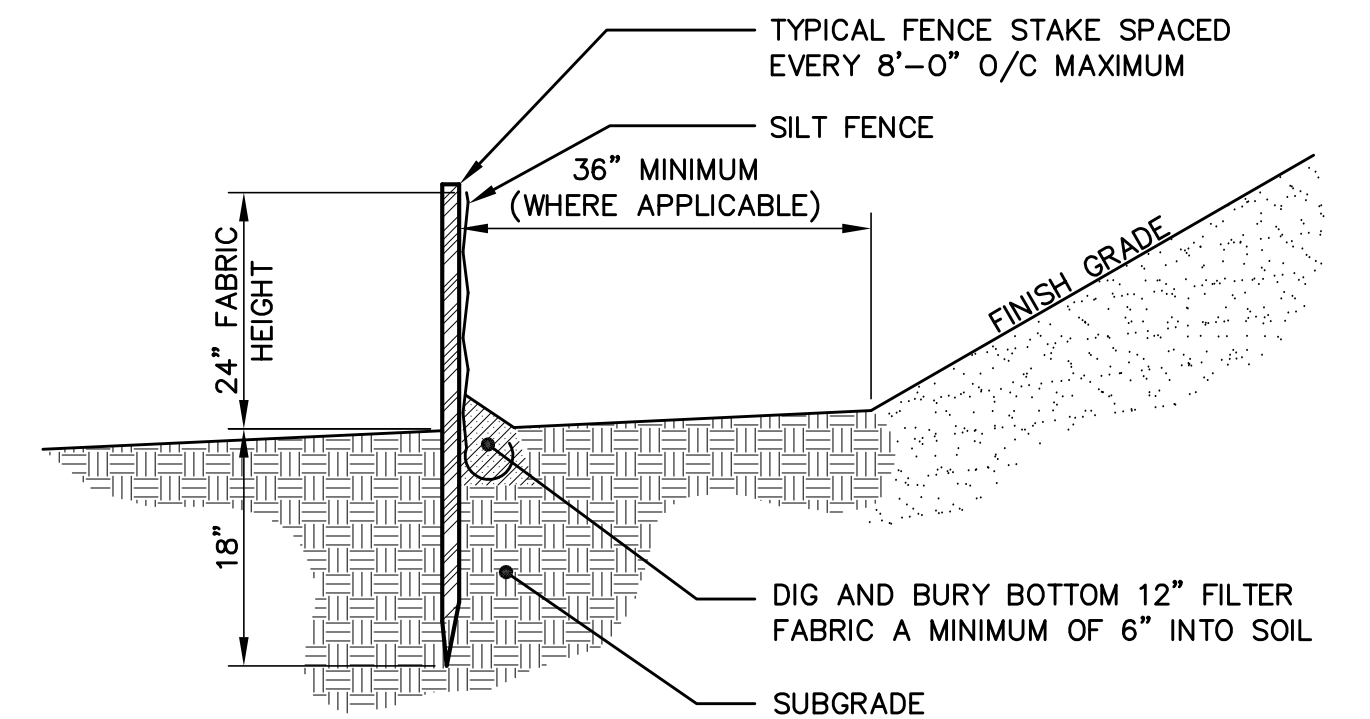
1 EROSION BLANKETS & TURF REINFORCEMENT MATS SLOPE INSTALLATION
C-505 NOT TO SCALE



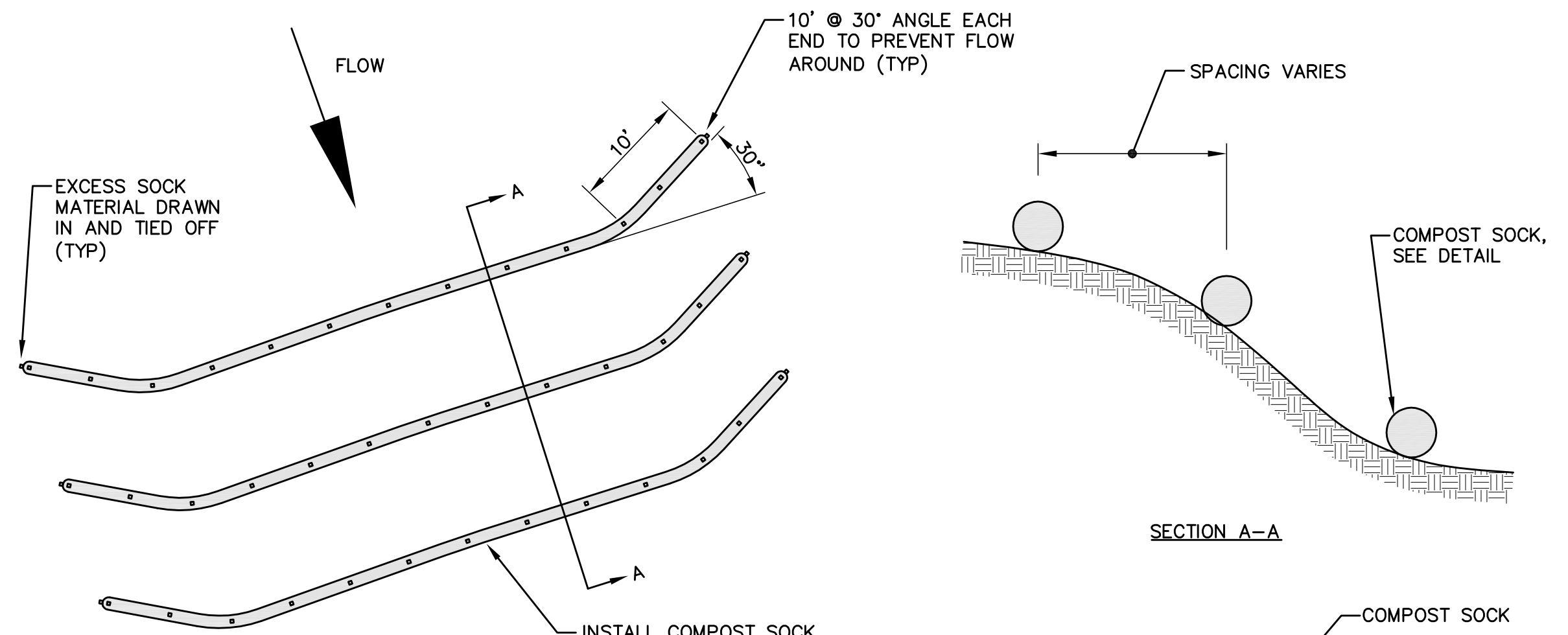
2 TEMPORARY STOCKPILE DETAIL
C-505 NOT TO SCALE



3 INLET PROTECTION DETAIL AT CATCH BASIN
C-505 NOT TO SCALE

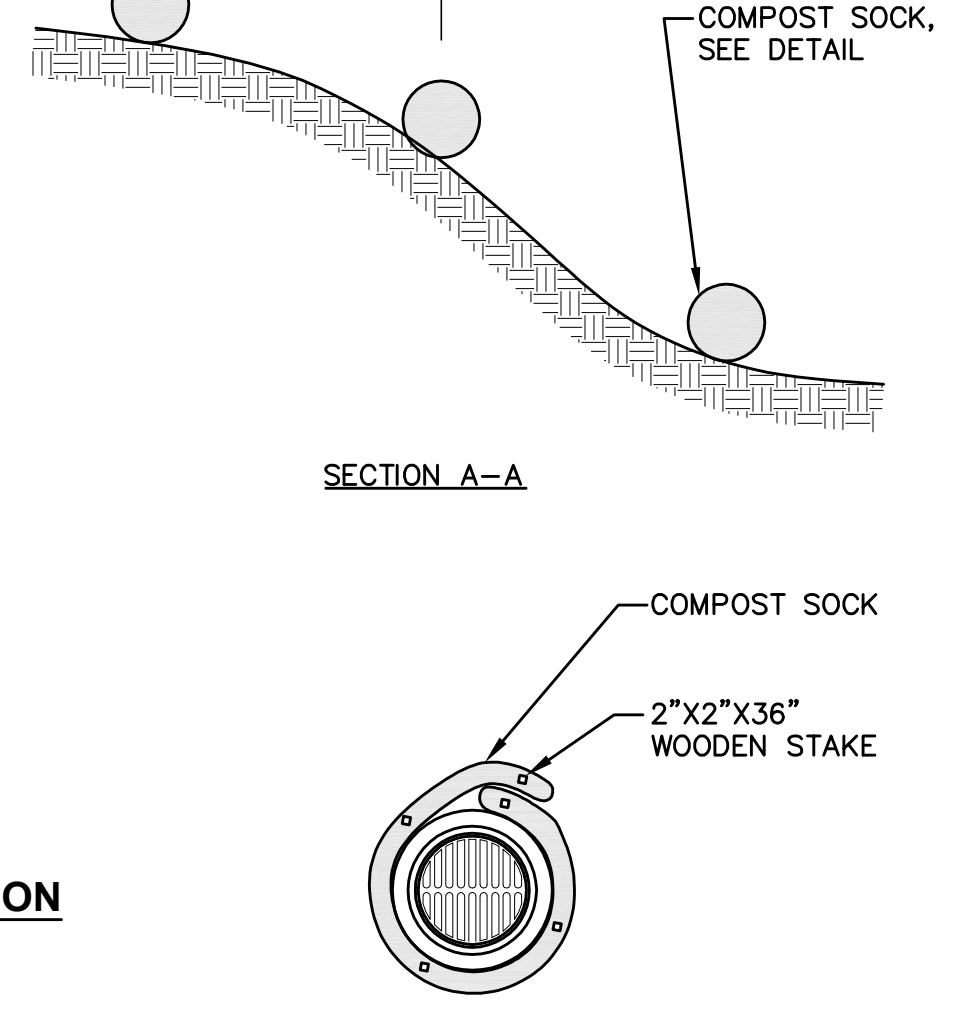


4 TYPICAL SILT FENCE
C-505 NOT TO SCALE

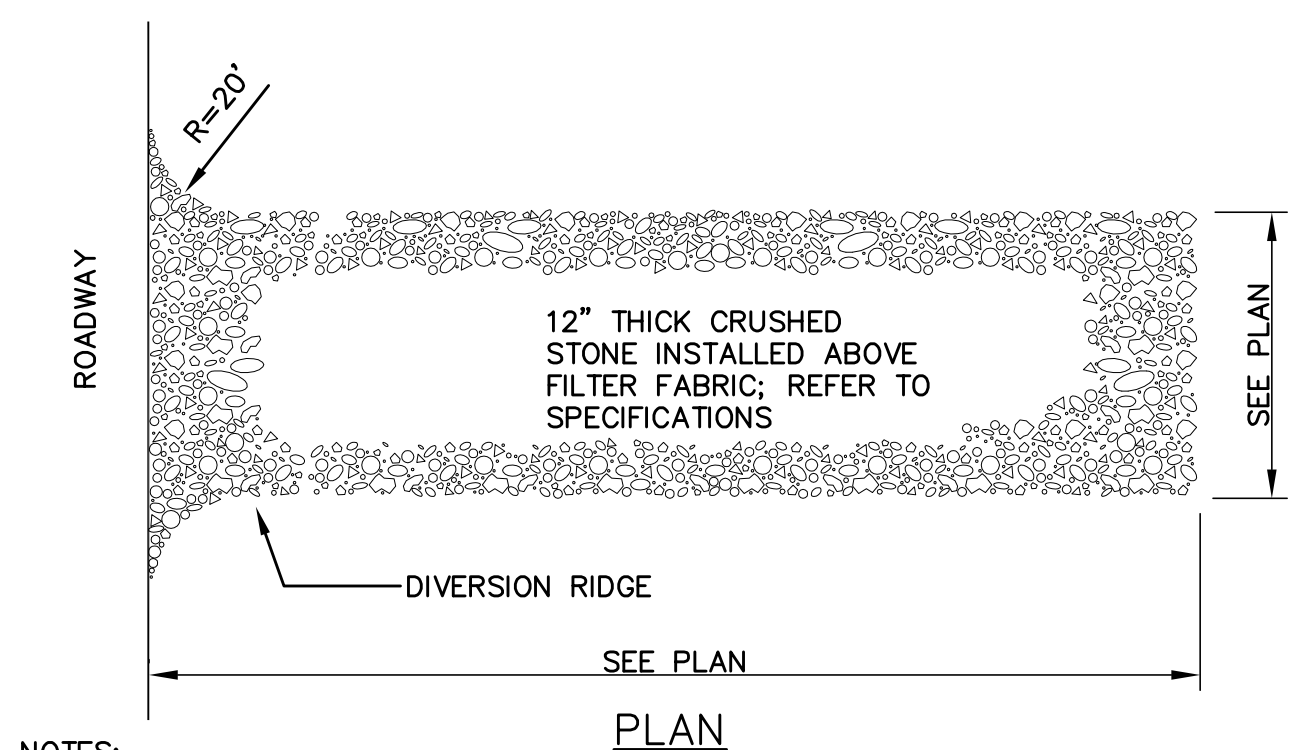


SLOPE INSTALLATION

5 COMPOST FILTER SOCK DETAIL
C-505 NOT TO SCALE

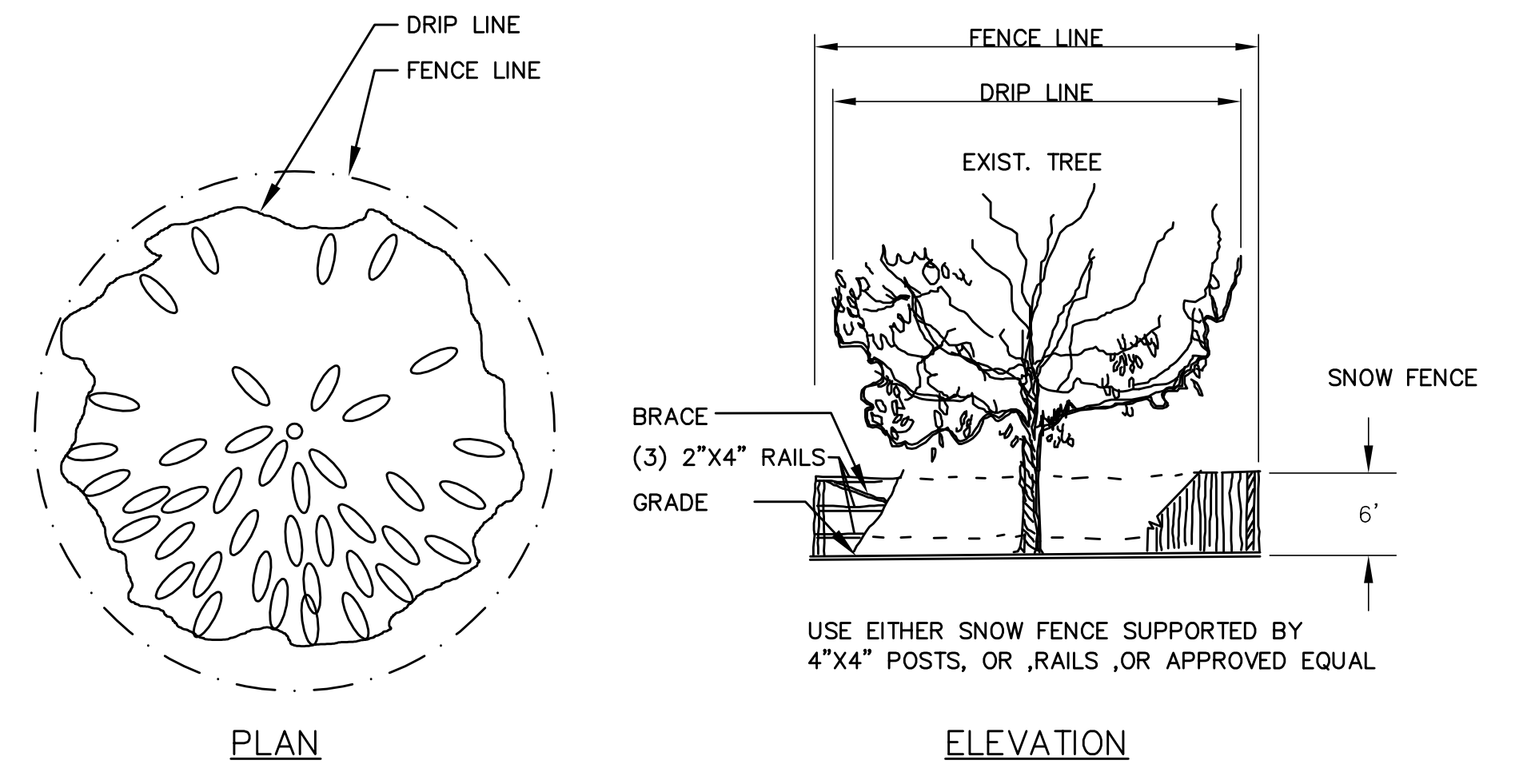


CATCH BASIN INSTALLATION (GRASS AREAS)

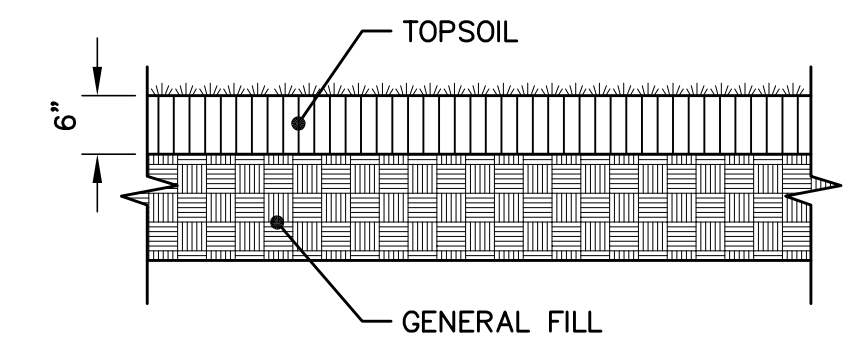


- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

6 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT
C-505 NOT TO SCALE



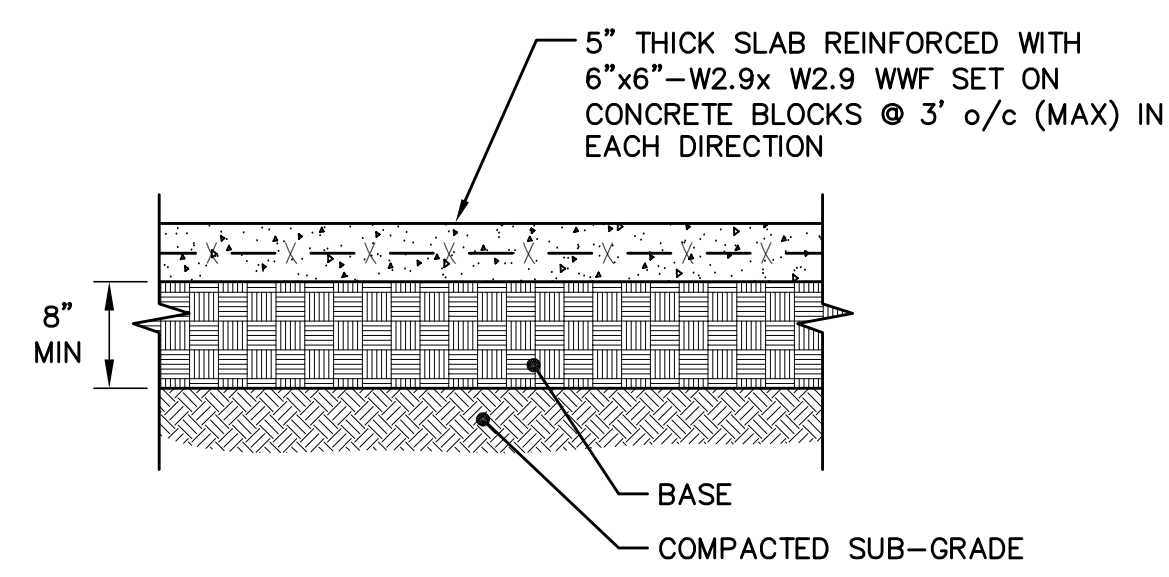
7 TREE PROTECTION (FOR INDIVIDUAL TREES)
C-505 NOT TO SCALE



8 LAWN SEEDING DETAIL
C-505 NOT TO SCALE

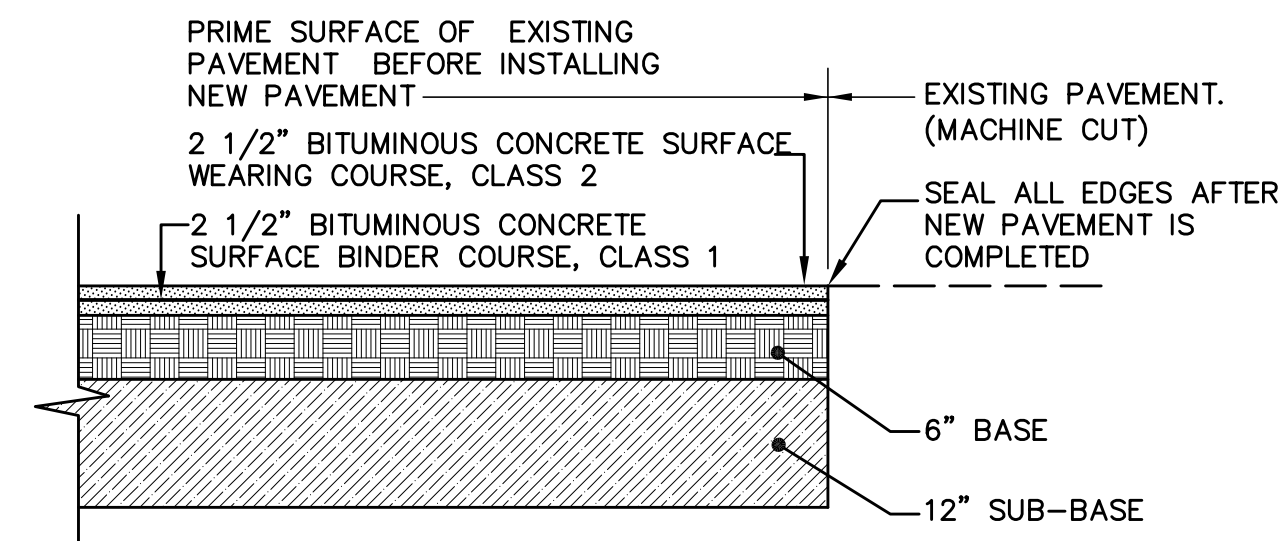
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REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date 12/01/2017		
			scale AS NOTED		
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			drawn by MCC, JDO		
CAD no. 211512			approved by MLJ		
project no. BI-MH-121			drawing no. C-505		





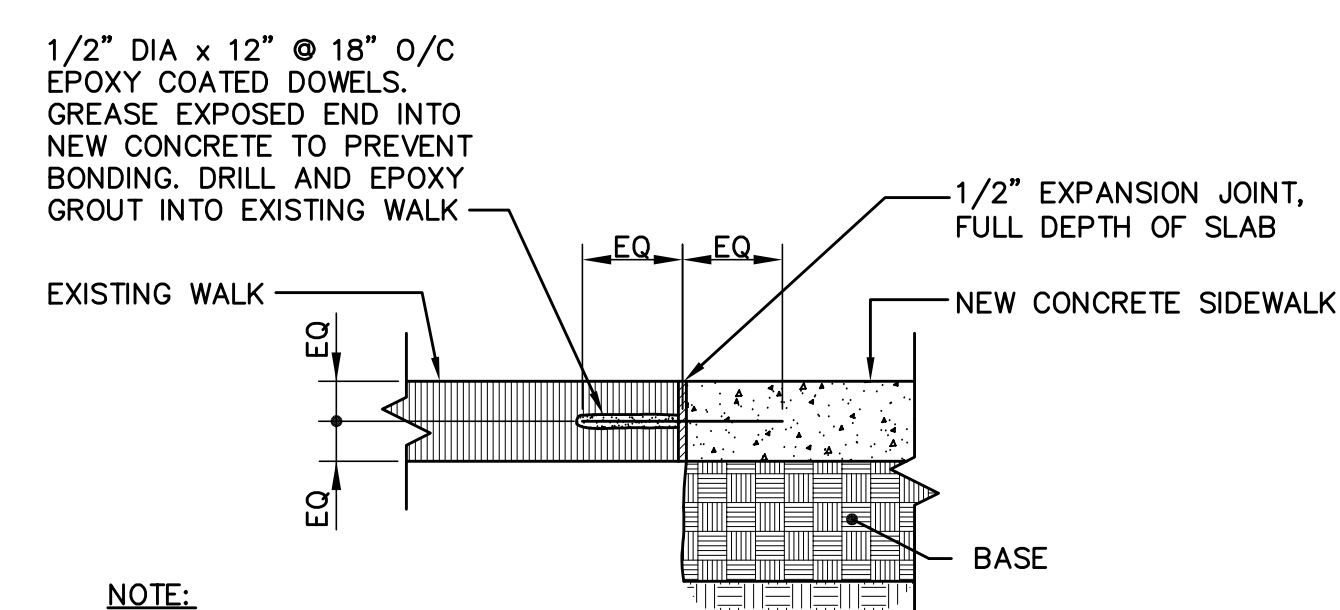
- NOTES:
- REFER TO DETAIL PLAN FOR TYPICAL JOINT LOCATIONS.
 - REFER TO DETAIL 8/C-600 FOR JOINT DETAILS.

1 TYPICAL CONCRETE SIDEWALK SECTION
C-600/NOT TO SCALE



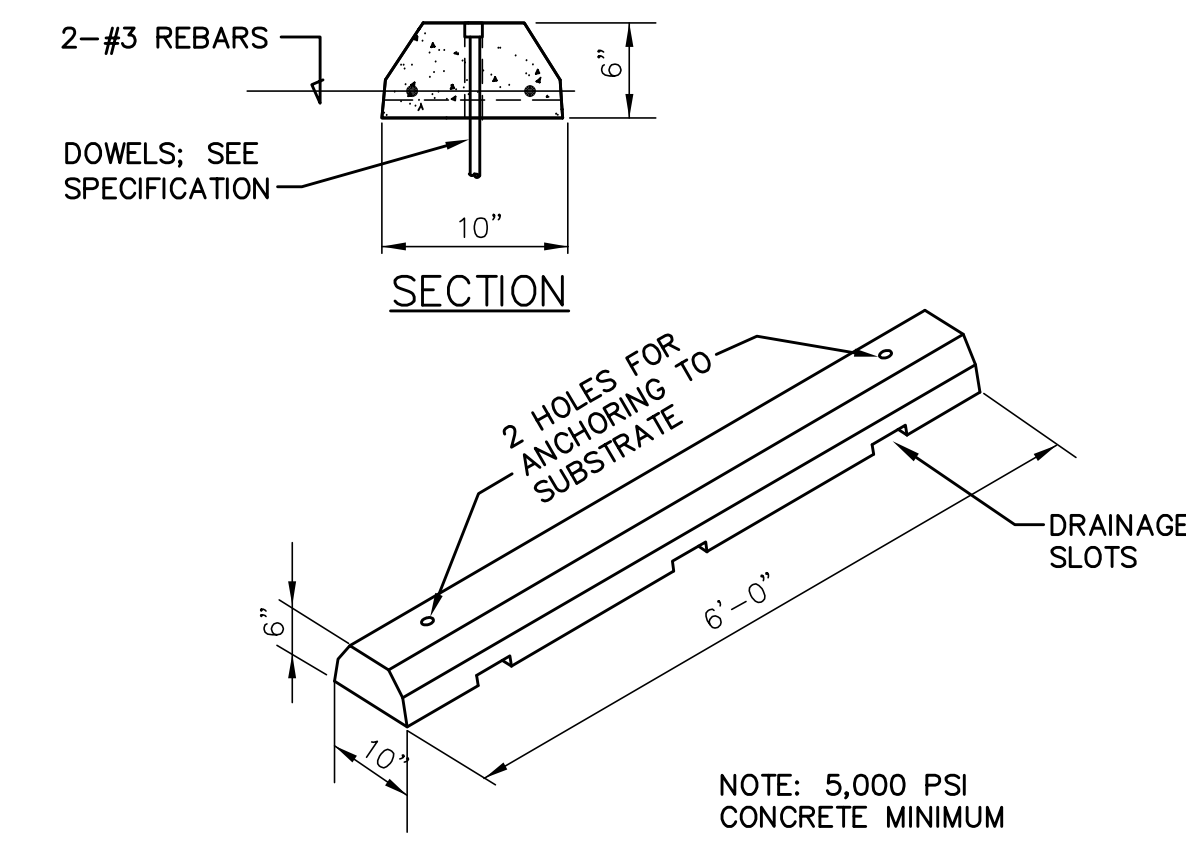
- NOTE:
CLASS 1 AND CLASS 2 BITUMINOUS CONCRETE MIXTURES SHALL COMPLY WITH CT FORM 817, LATEST EDITION.

2 TYPICAL NEW PAVEMENT SECTION
C-600/NOT TO SCALE

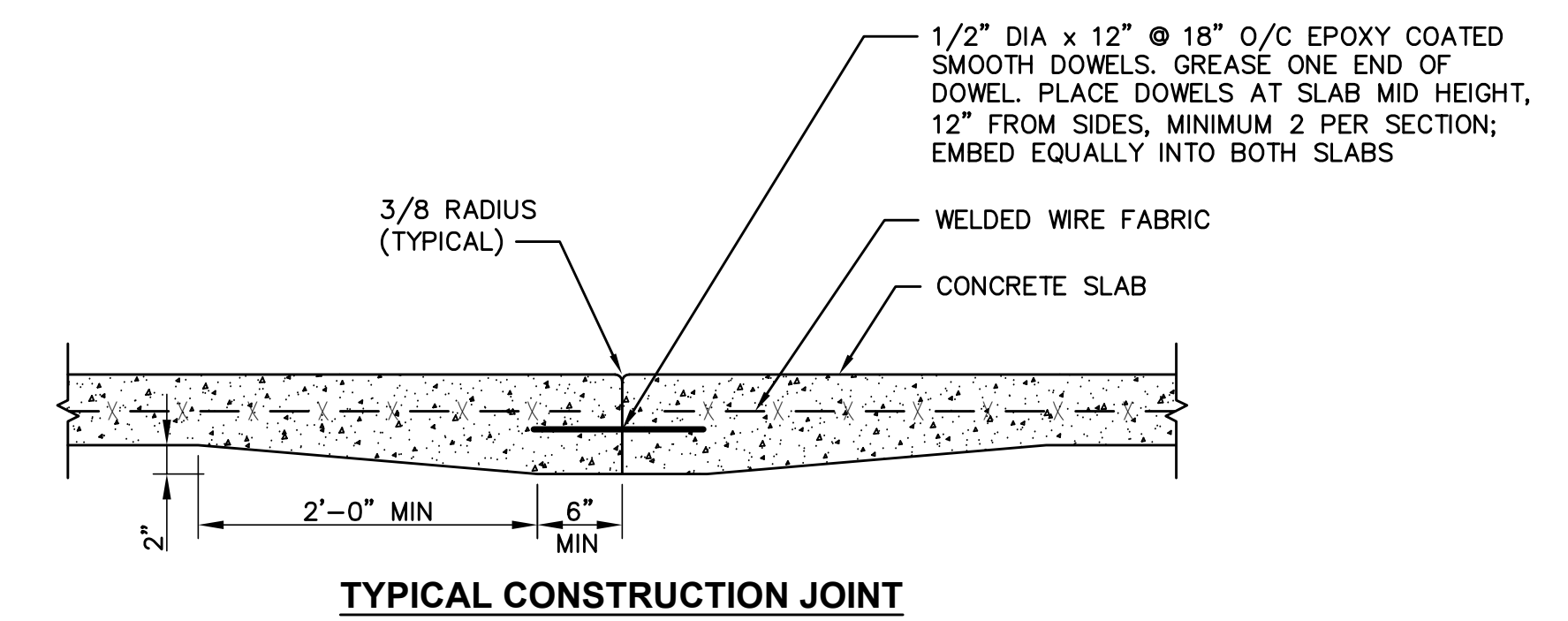


- NOTE:
SEE SIDEWALK DETAIL FOR SLAB REINFORCEMENT AND BASE COURSE.

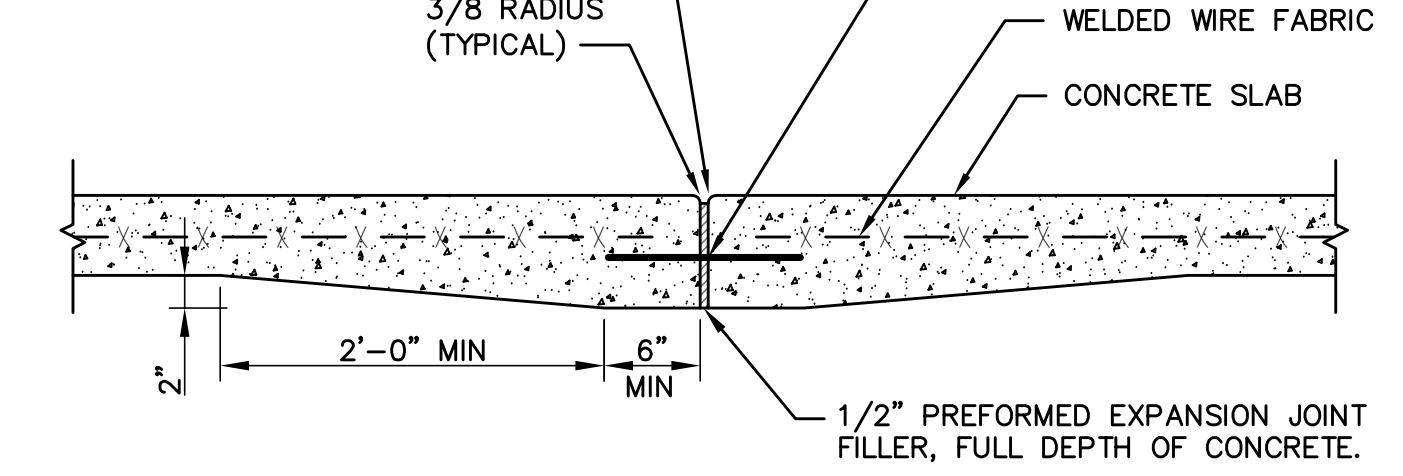
3 NEW SIDEWALK TO EXISTING SIDEWALK SECTION
C-600/NOT TO SCALE



4 PRECAST CONCRETE WHEEL STOP
C-600/NOT TO SCALE



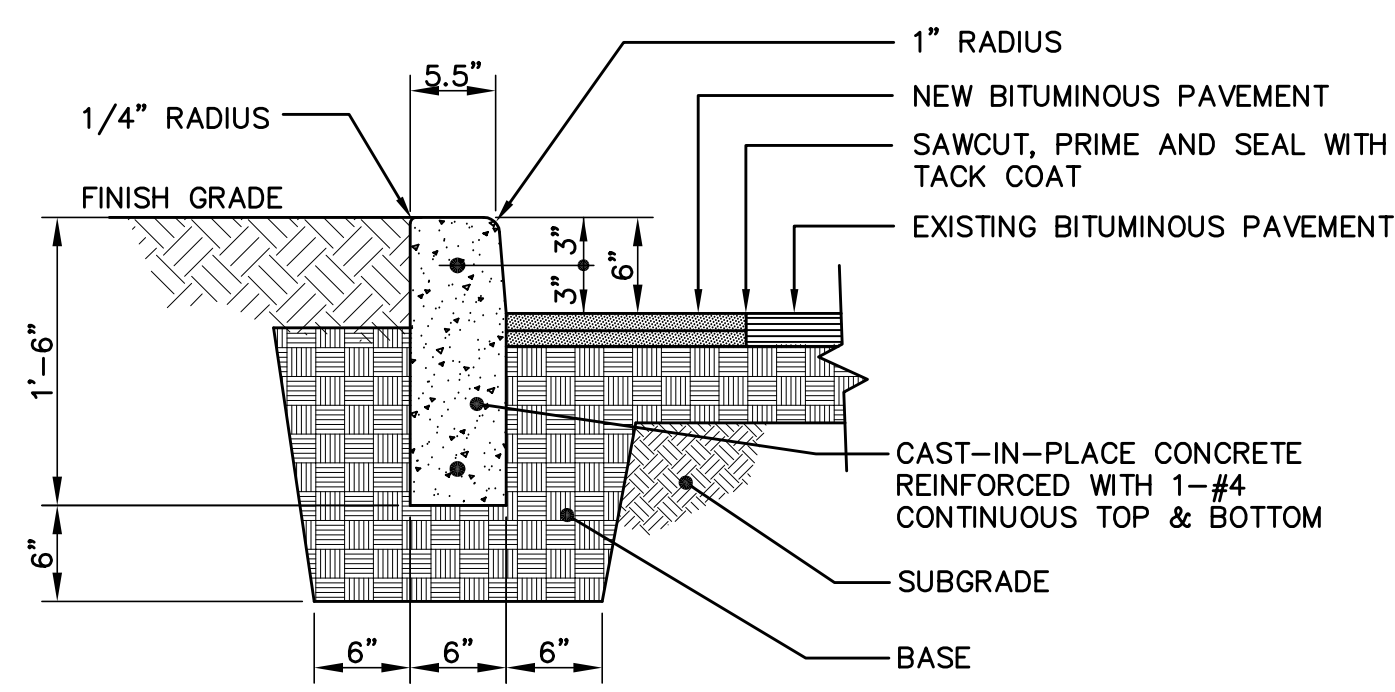
- NOTE:
SEALANT, COLOR TO MATCH COLOR OF CONCRETE IN STAMPED CONCRETE AREAS. COLOR TO BE APPROVED BY THE ARCHITECT.



5 TYPICAL ISOLATION JOINT

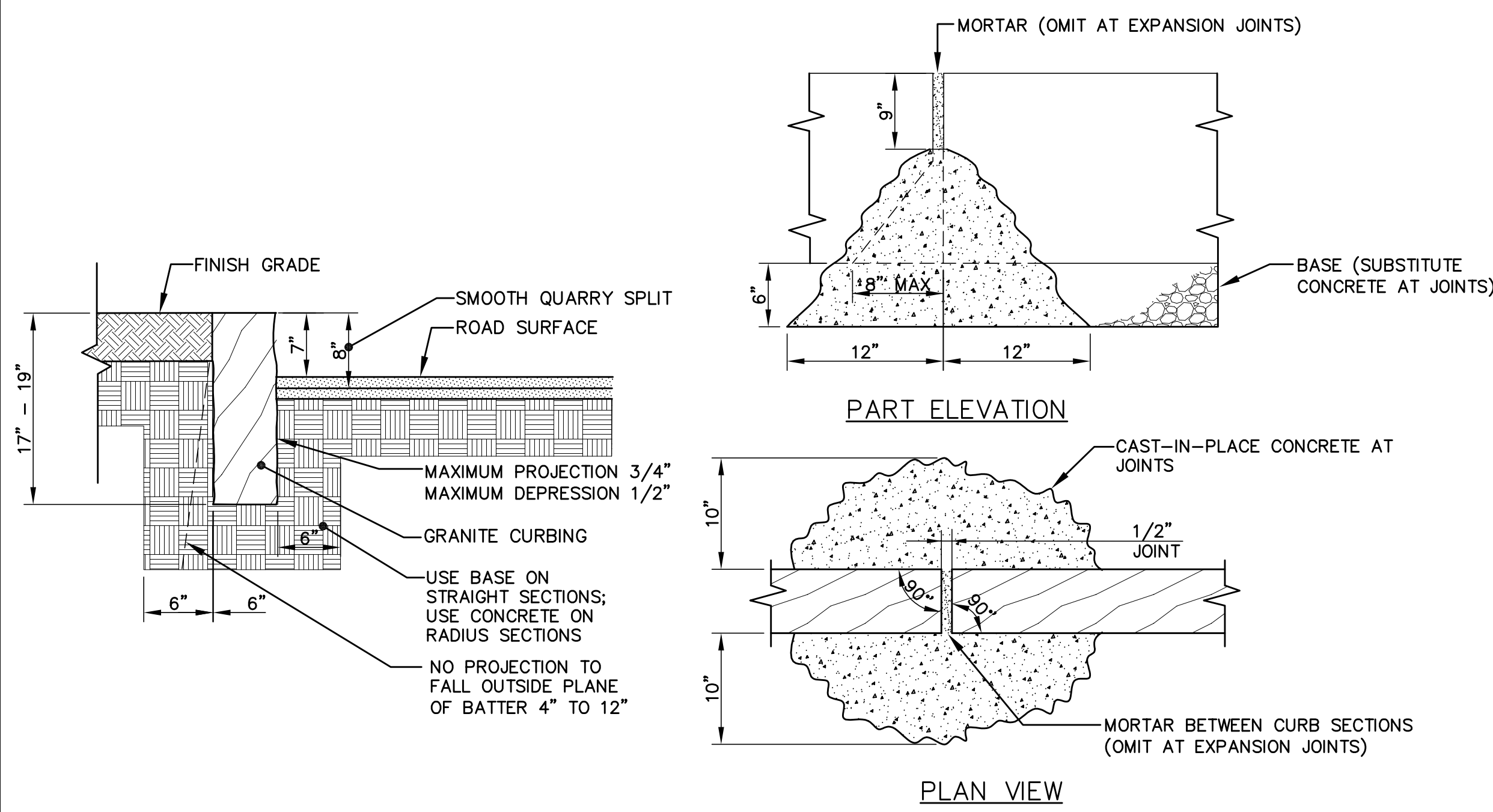
- NOTE:
- SMOOTH TOOL FINISH 1-1/2" EACH SIDE OF ALL CONTRACTION AND ISOLATION JOINTS, AND AT ALL SLAB EDGES.
 - INSTALL CONTRACTION AND ISOLATION JOINTS AS SHOWN ON PLAN.
 - INSTALL FULL DEPTH 1/2" PREFORMED EXPANSION JOINT FILLER AND SEALANT WHEREVER PAVEMENT ABUTS FIXED OBJECTS (TYPICAL).
 - CONTRACTOR SHALL SUBMIT A JOINTING PATTERN DRAWING SHOWING LOCATIONS OF ALL ISOLATION AND CONTRACTION JOINTS FOR REVIEW AND APPROVAL BY ENGINEER AND ARCHITECT.

6 TYPICAL CONCRETE SIDEWALK JOINTS
C-600/NOT TO SCALE

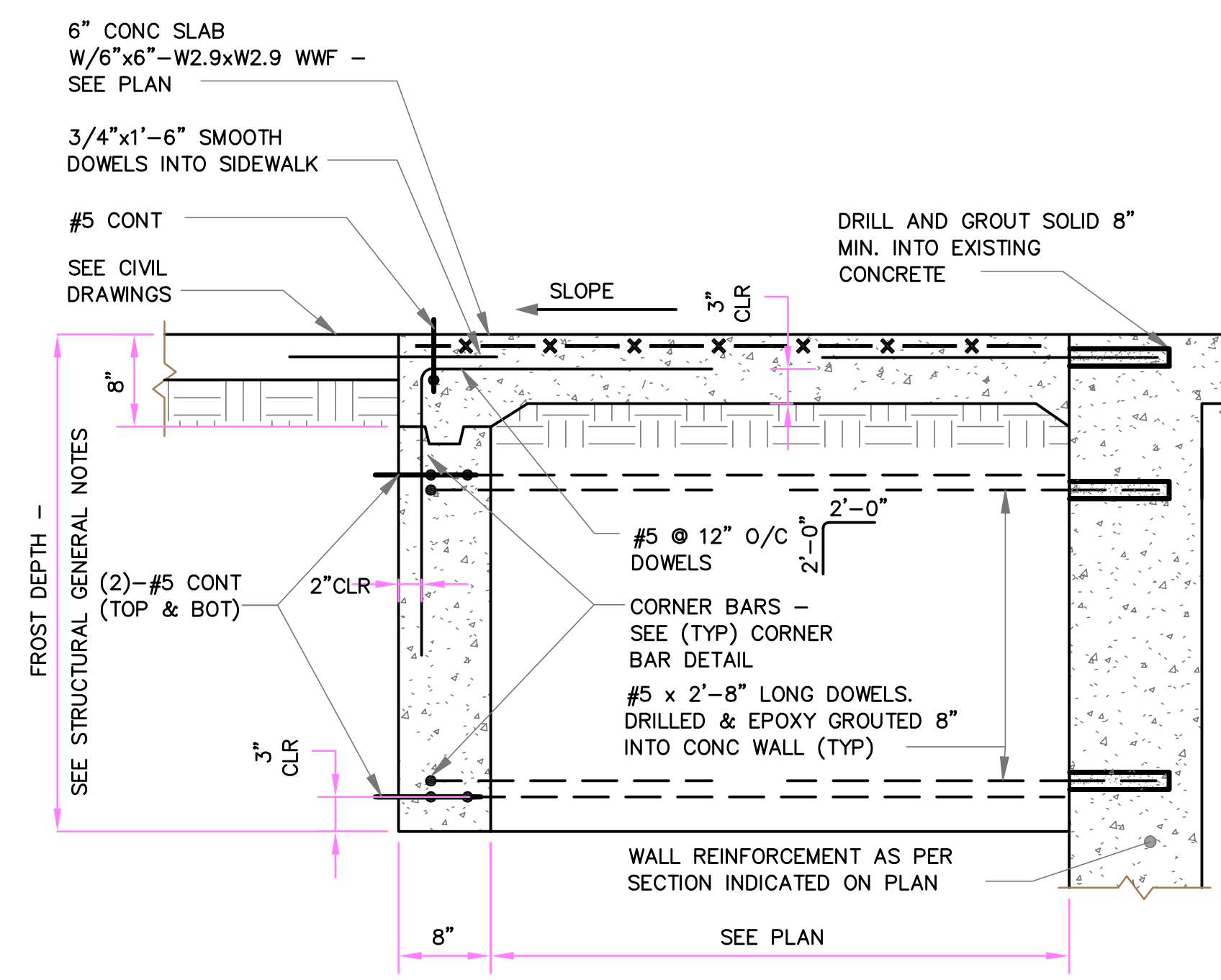


- NOTE:
PROVIDE SMOOTH-RUBBED FINISH ON CAST IN PLACE CONCRETE CURB SURFACES. NOT LATER THAN ONE DAY AFTER FORM REMOVAL. MOISTEN CONCRETE SURFACES AND RUB WITH CARBORUNDUM BRICK OR ANOTHER ABRASIVE UNTIL PRODUCING A UNIFORM COLOR AND TEXTURE. DO NOT APPLY CEMENT GROUT OTHER THAN THAT CREATED BY THE RUBBING PROCESS.

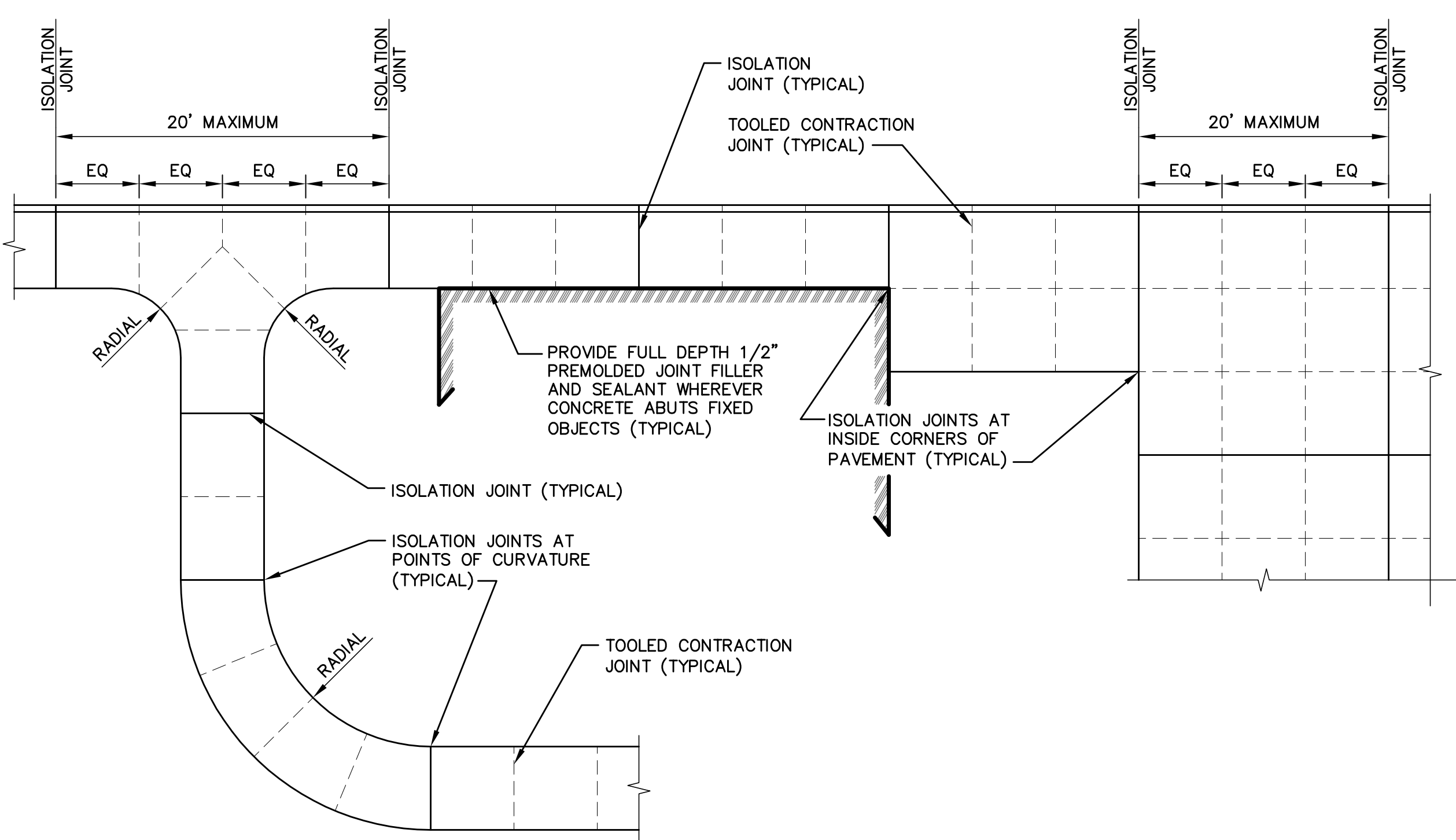
7 TYPICAL CAST-IN-PLACE CONCRETE CURB DETAIL
C-600/NOT TO SCALE



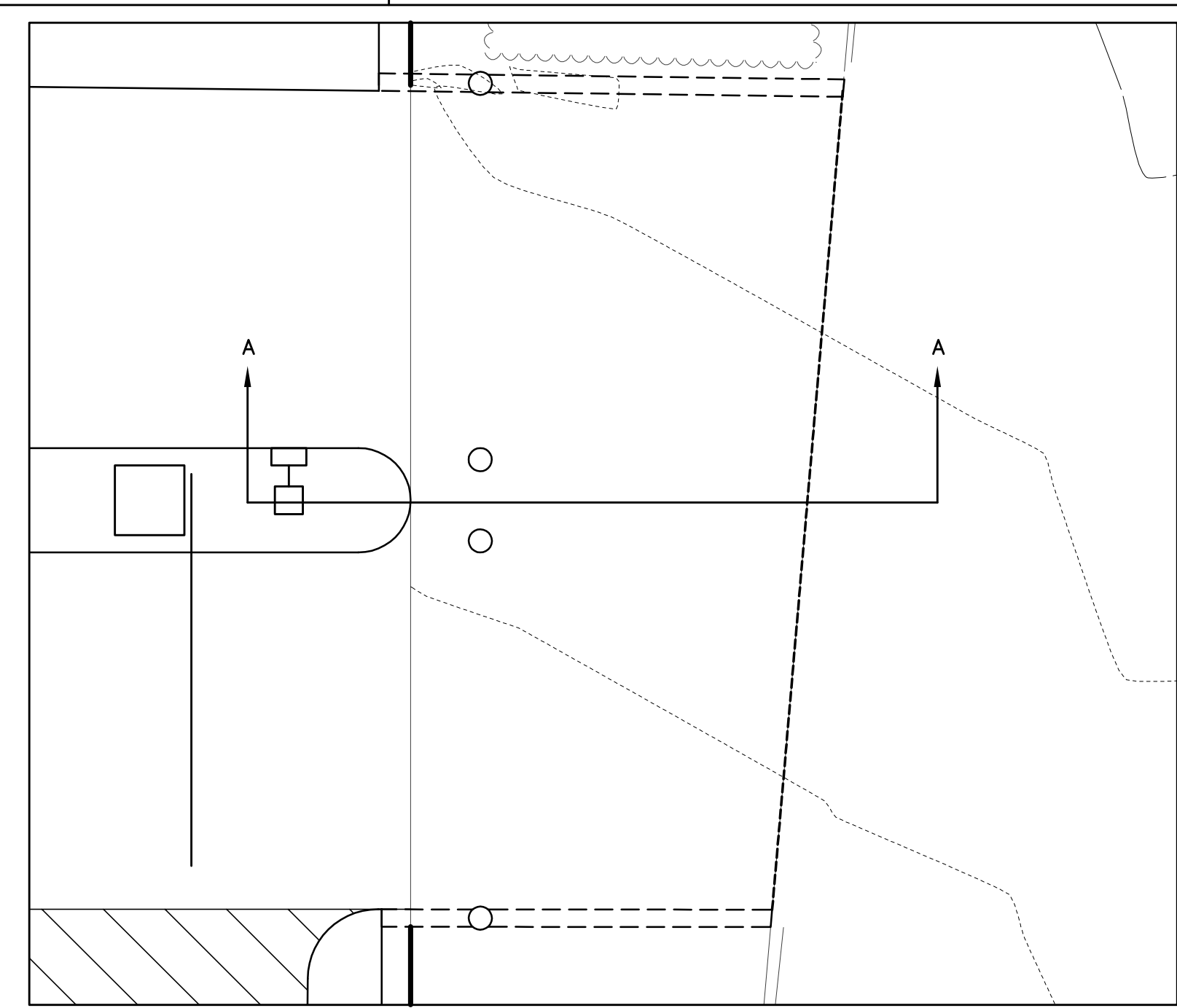
8 TYPICAL GRANITE CURB DETAIL
C-600/NOT TO SCALE



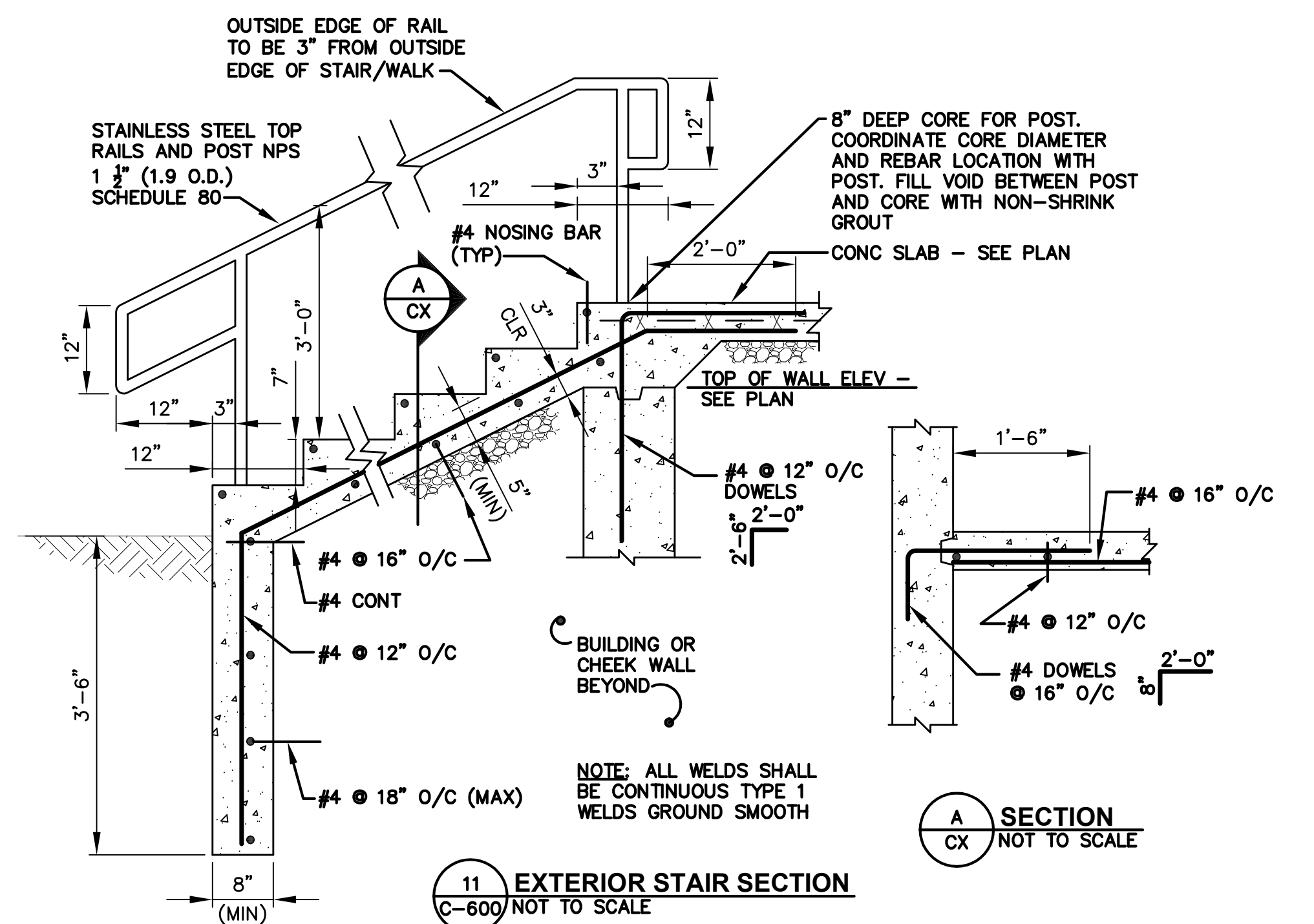
9 TYPICAL SIDEWALK SLAB AT DOORS
C-600/NOT TO SCALE



10 TYPICAL JOINT PLACEMENT IN CONCRETE WALKS
C-600/NOT TO SCALE



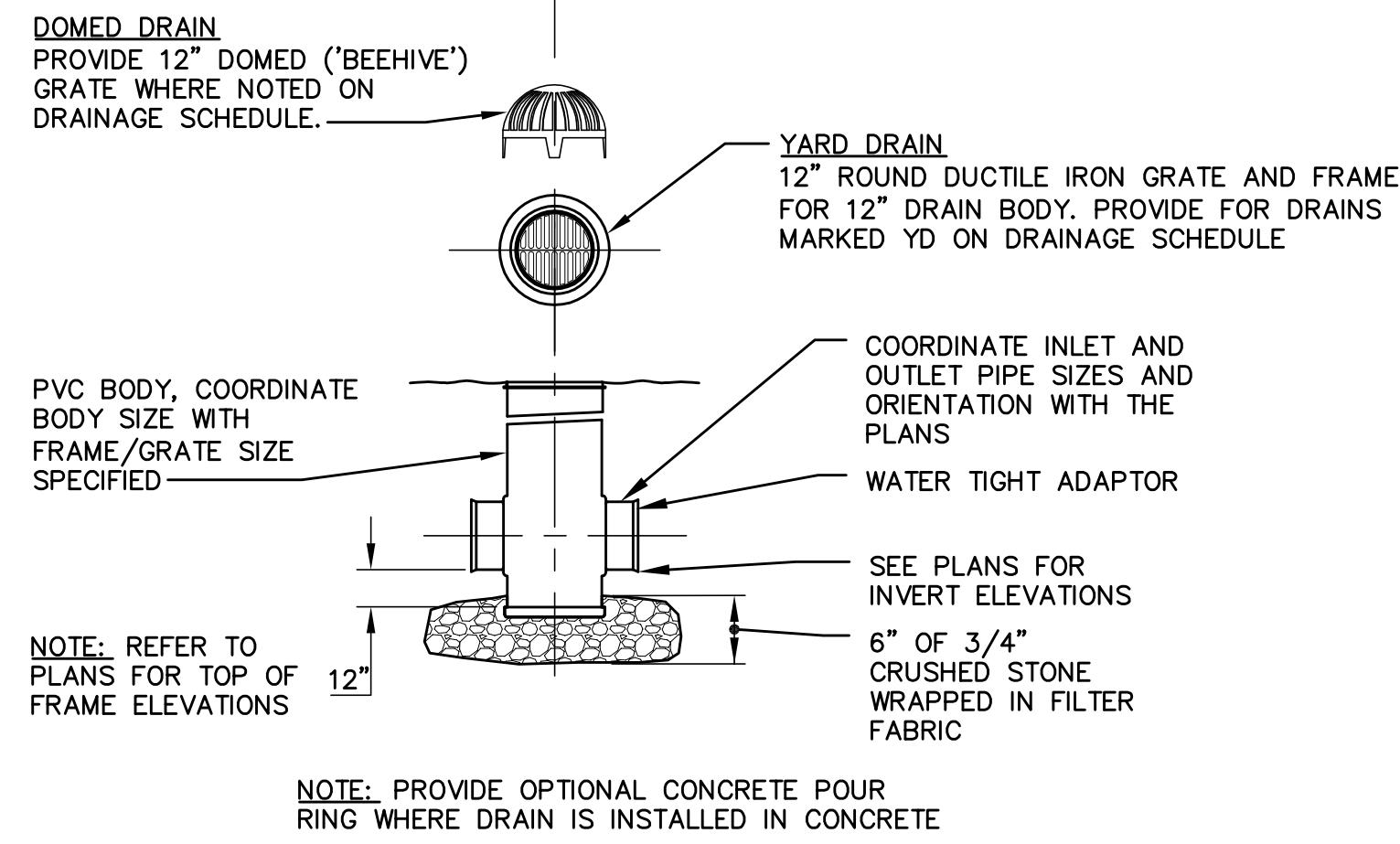
11 UPPER LEVEL ENTRANCE SLAB
C-600/NOT TO SCALE



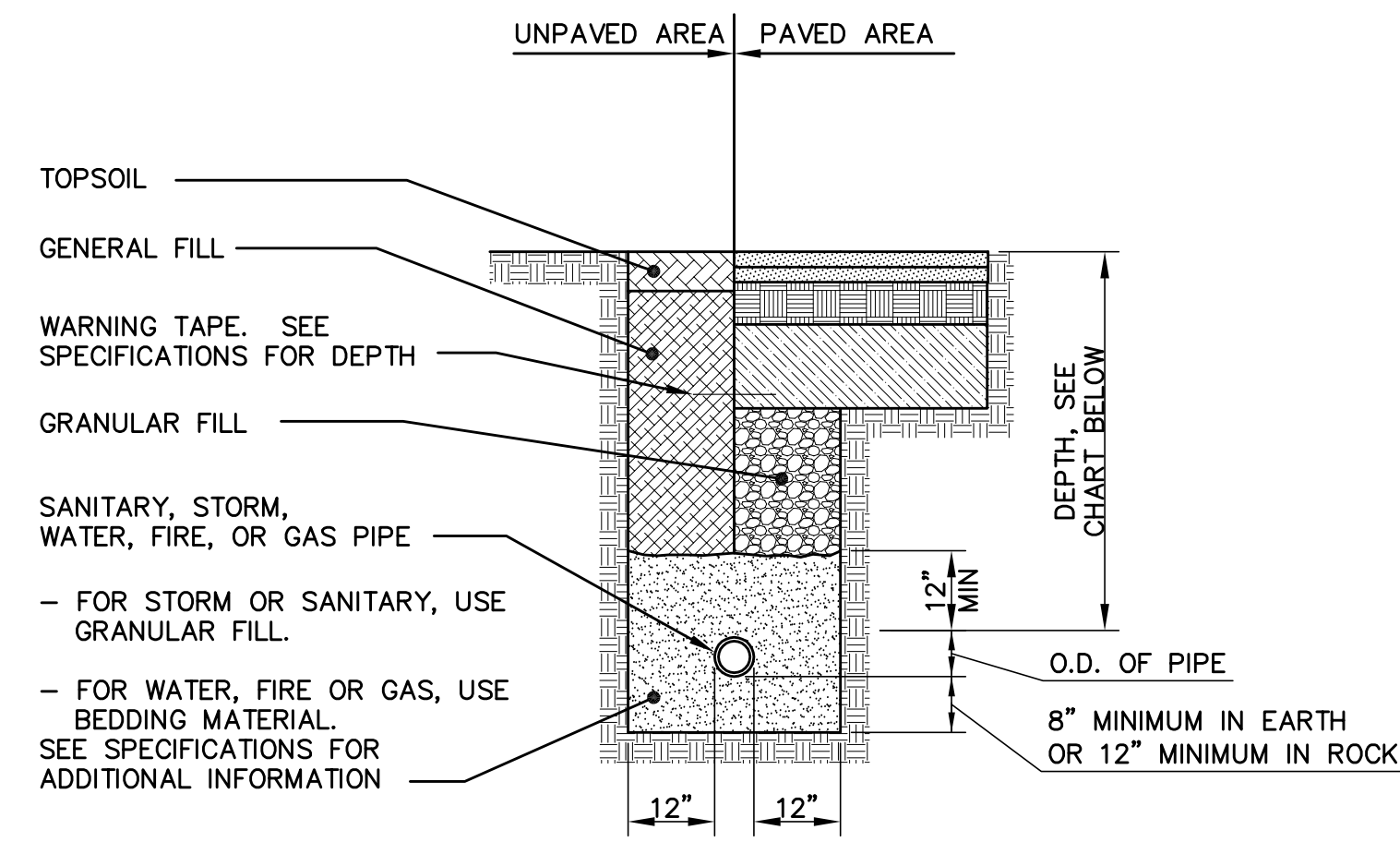
12 EXTERIOR STAIR SECTION
C-600/NOT TO SCALE

REVISIONS			drawing prepared by		date
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			drawing by		AS NOTED
			approved by		MLJ
			drawing no.		C-600





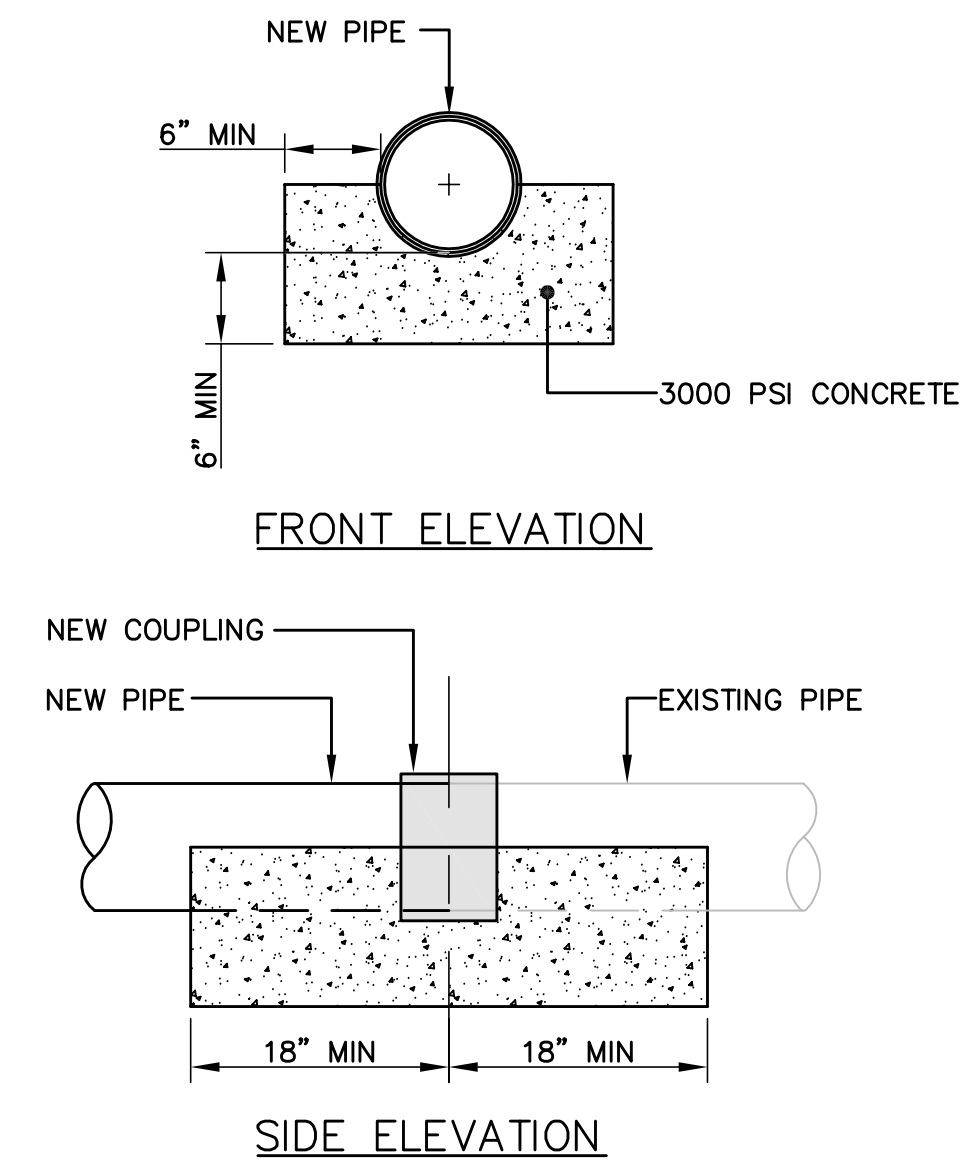
1 TYPICAL PVC PATIO AND YARD DRAIN
C-601 NOT TO SCALE



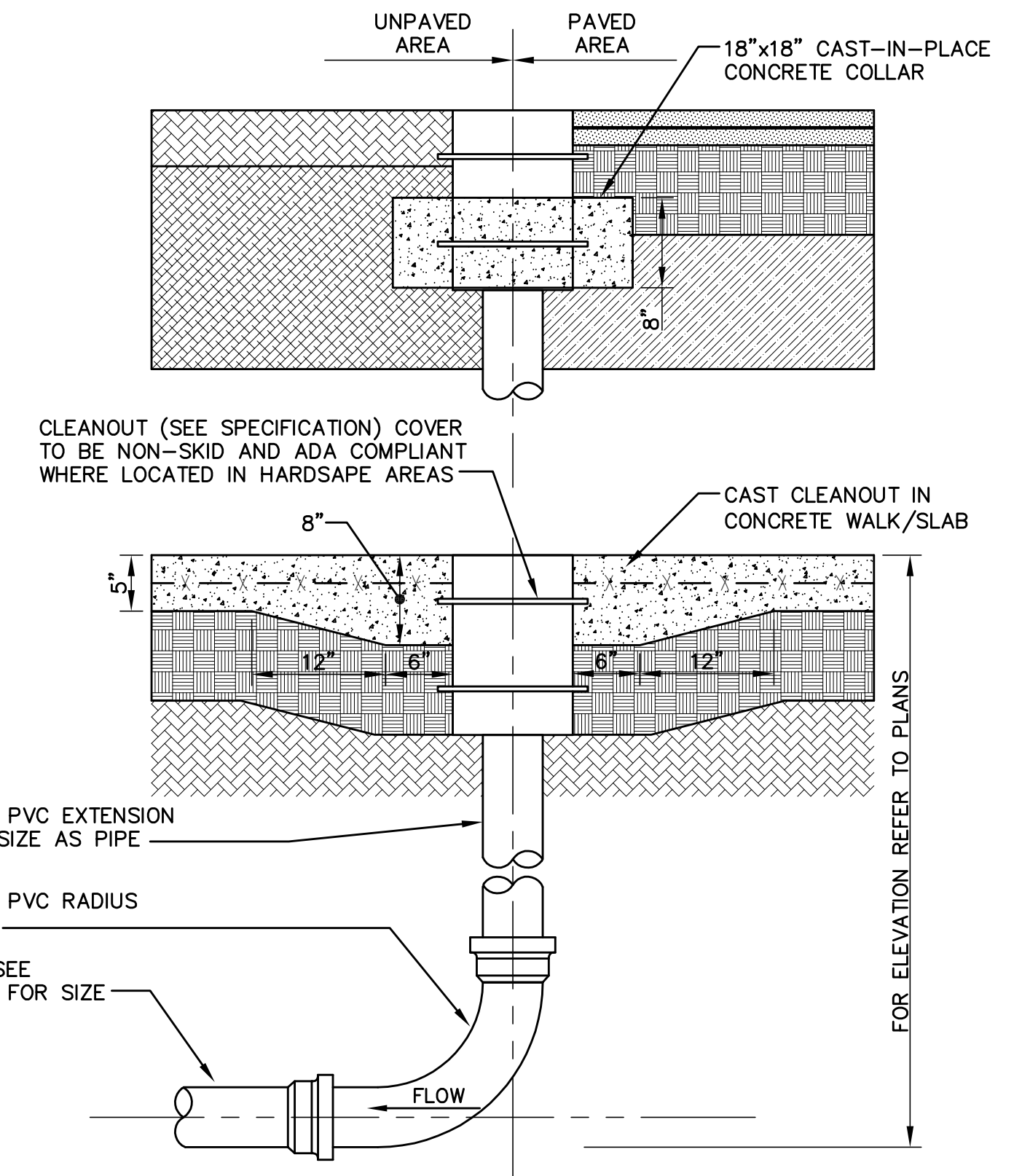
TYPE OF PIPE	DEPTH
WATER/FIRE	60" MINIMUM
GAS	30" MINIMUM
STORM	VARIES
SANITARY	VARIES

- NOTES:
- SEE SPECIFICATION FOR BACKFILL, COMPACTION, AND SHORING REQUIREMENTS.
 - VERIFY GAS PIPE TRENCH REQUIREMENTS WITH LOCAL GAS AUTHORITY.

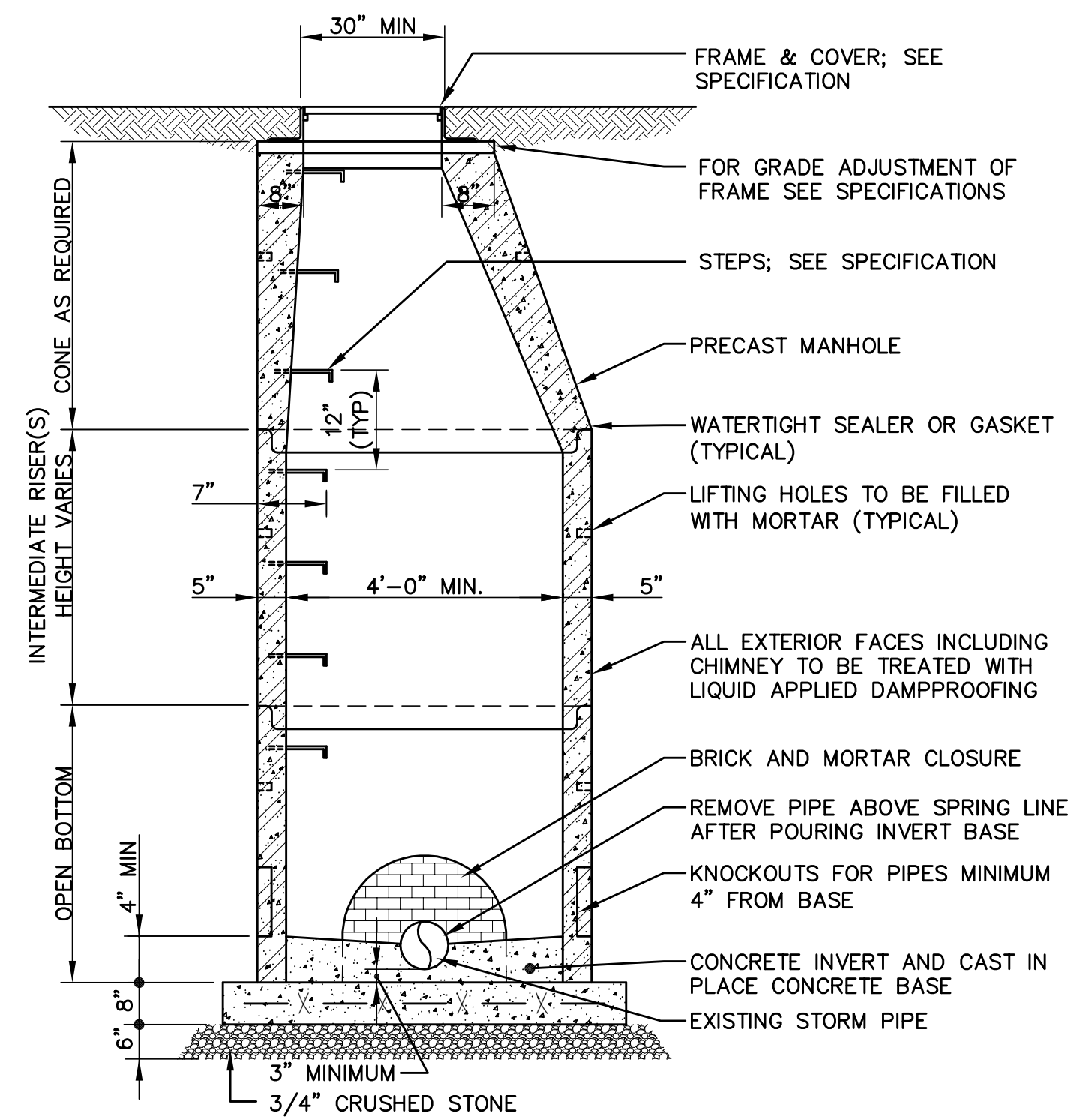
2 TYPICAL PIPE TRENCH SECTION
C-601 NOT TO SCALE



3 CONCRETE CRADLE SUPPORT
C-601 NOT TO SCALE

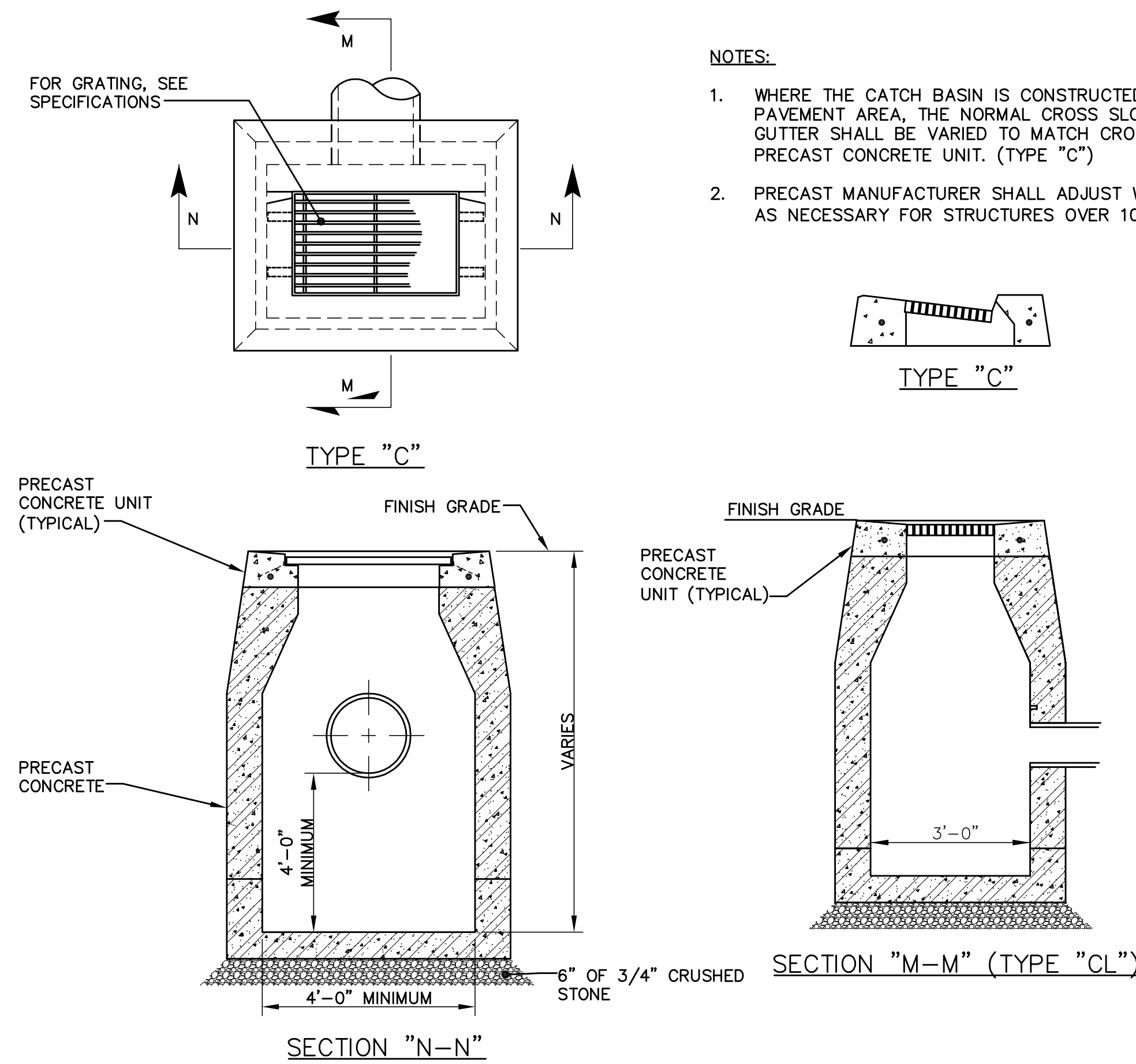


4 YARD CLEANOUT DETAIL
C-601 NOT TO SCALE



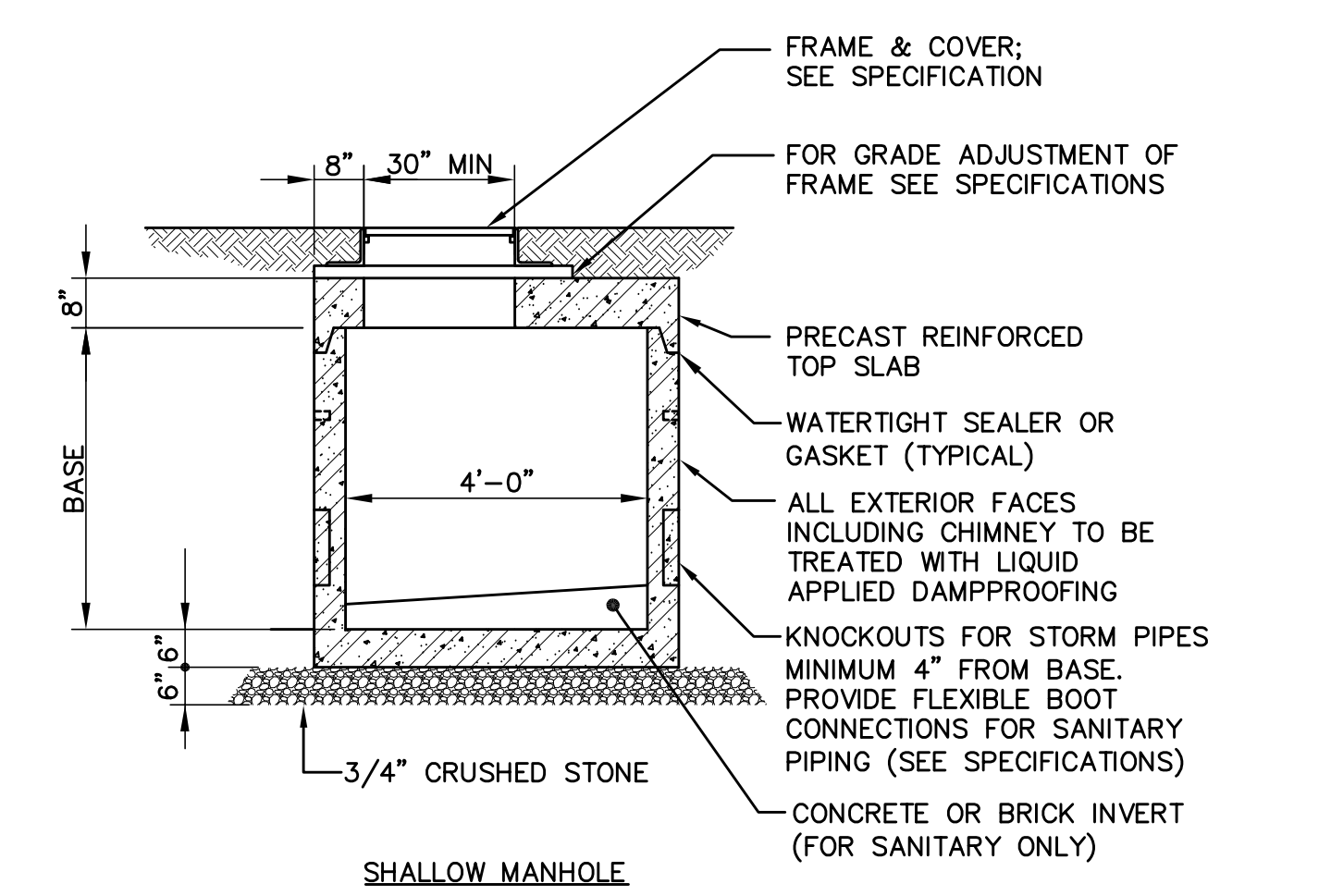
- NOTES:
- LARGER DIAMETER PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO THE SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE LARGER BASES AS DIRECTED BY THE ENGINEER.
 - PRECAST MANUFACTURER SHALL ADJUST WALL THICKNESS AS NECESSARY FOR STRUCTURES OVER 10' IN DEPTH.
 - PROVIDE TOP SLAB FOR SHALLOW MANHOLES.

5 DOGHOUSE MANHOLE
C-601 NOT TO SCALE



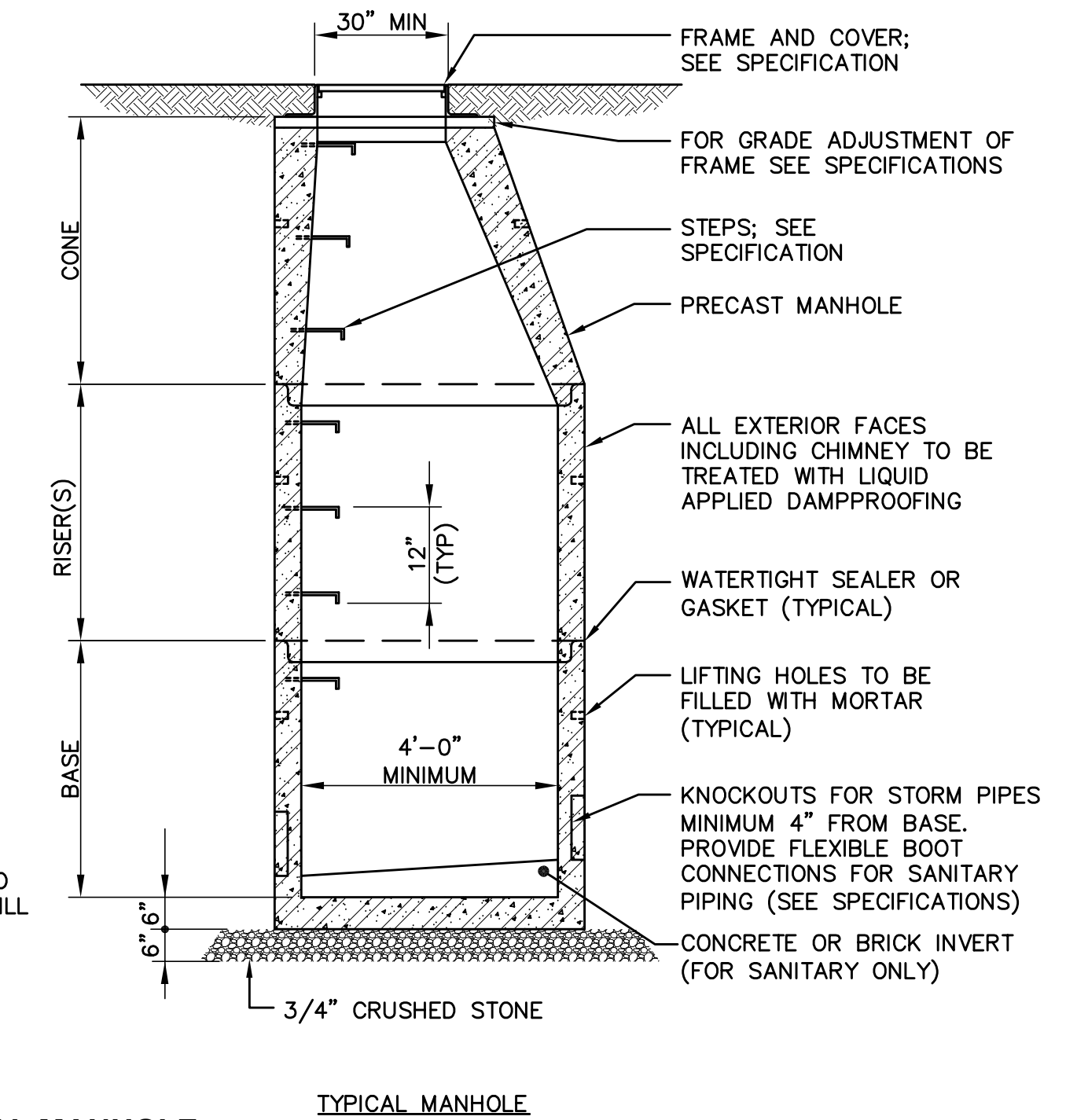
- NOTES:
- WHERE THE CATCH BASIN IS CONSTRUCTED IN THE PAVEMENT AREA, THE NORMAL CROSS SLOPE OF THE GUTTER SHALL BE VARIED TO MATCH CROSS SLOPE OF PRECAST CONCRETE UNIT. (TYPE \"C\")
 - PRECAST MANUFACTURER SHALL ADJUST WALL THICKNESS AS NECESSARY FOR STRUCTURES OVER 10' IN DEPTH.

6 TYPICAL CATCH BASIN DETAIL
C-601 NOT TO SCALE

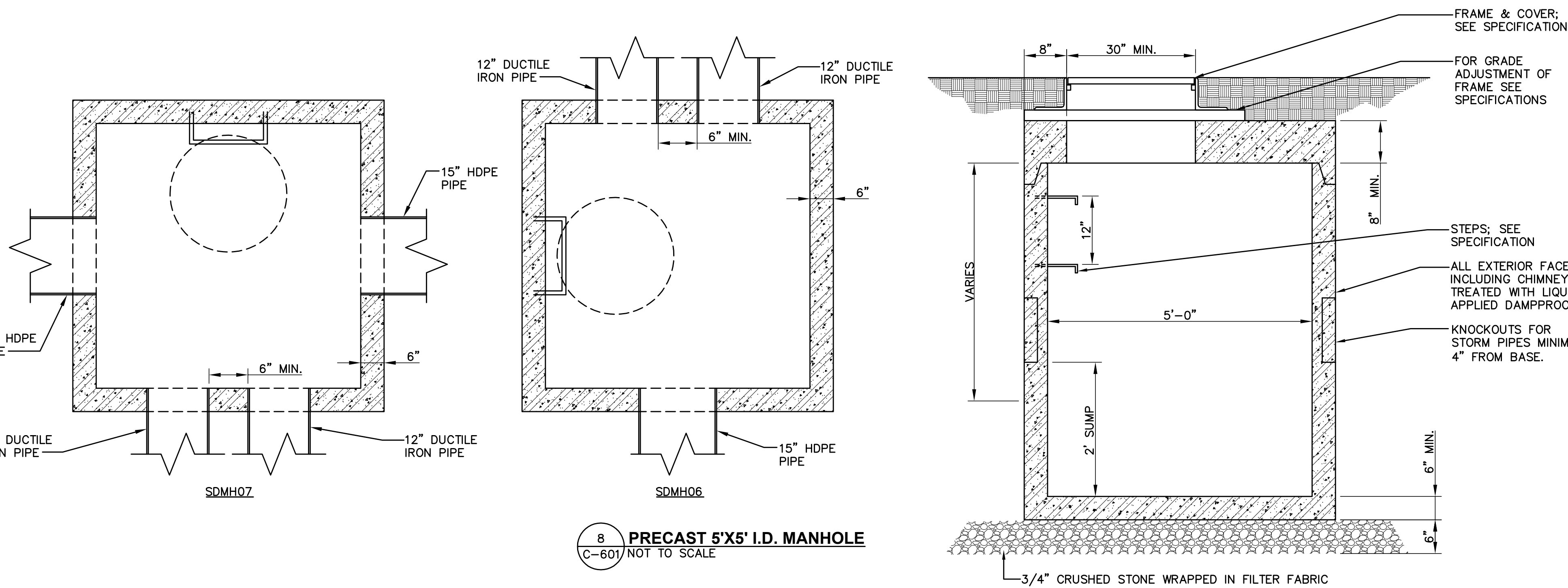


- NOTES:
- LARGER DIAMETER PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO THE SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE LARGER BASES AS DIRECTED BY THE ENGINEER.
 - PRECAST MANUFACTURER SHALL ADJUST WALL THICKNESS AS NECESSARY FOR STRUCTURES OVER 10' IN DEPTH.
 - PROVIDE TOP SLAB FOR SHALLOW MANHOLES.

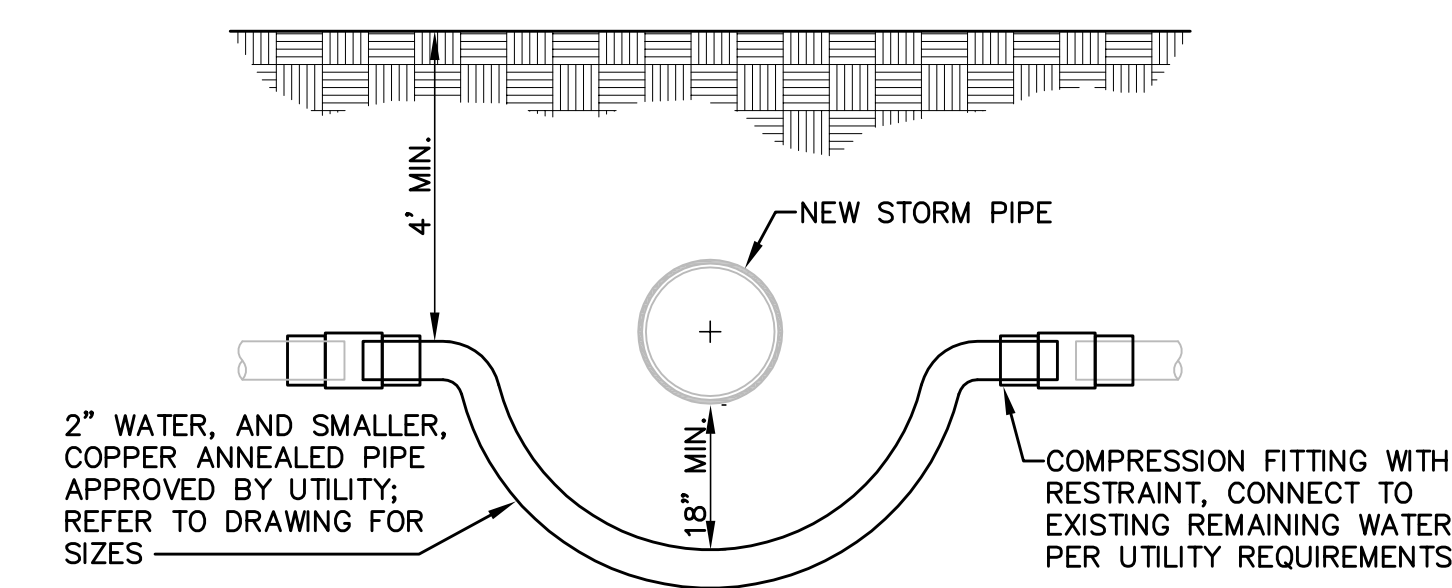
7 TYPICAL MANHOLE
C-601 NOT TO SCALE



TYPICAL MANHOLE

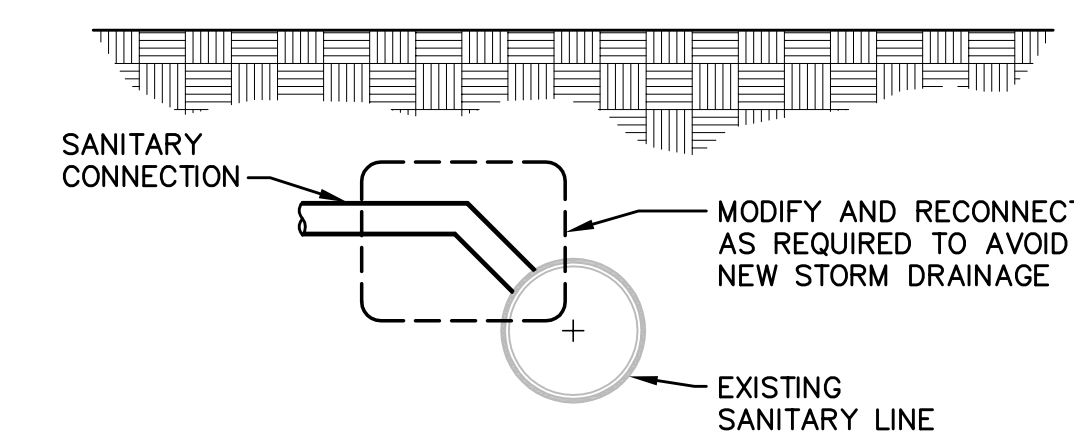


8 PRECAST 5'X5' I.D. MANHOLE
C-601 NOT TO SCALE

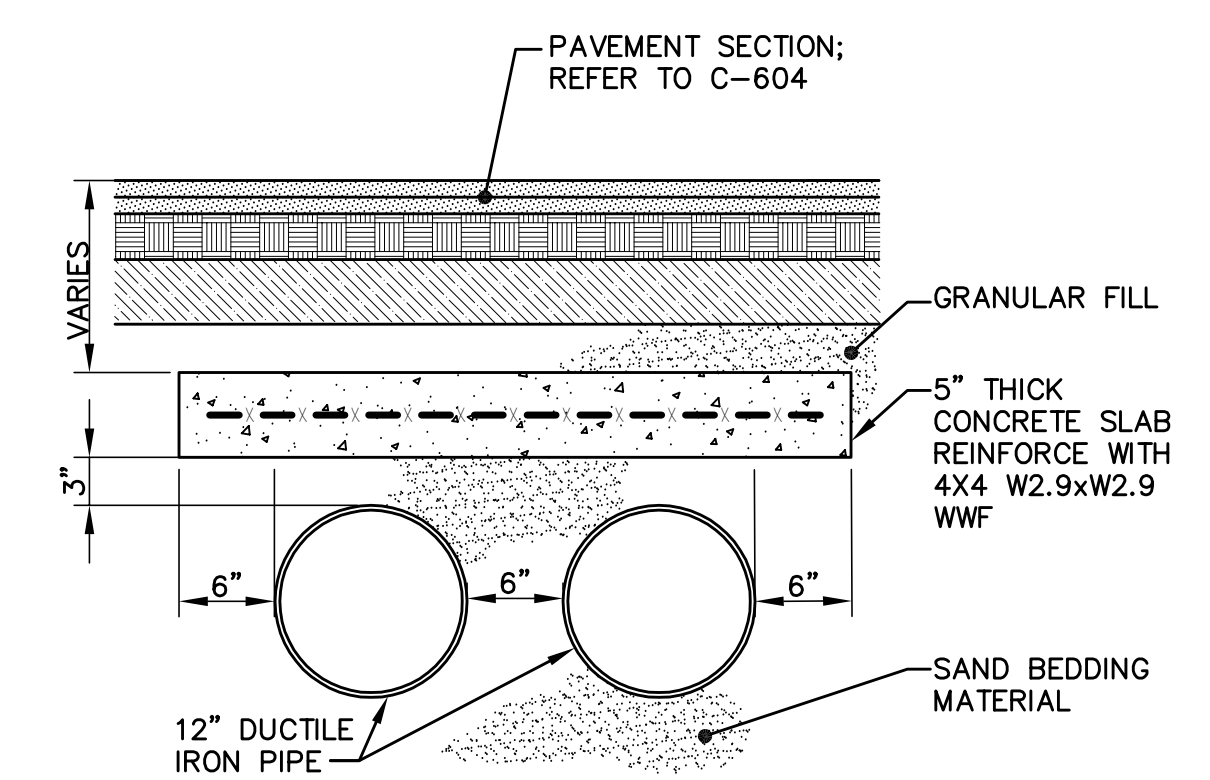


9 EXISTING WATER AND GAS RELOCATION ALONG WHITE STREET
C-601 NOT TO SCALE

- NOTES FOR DETAILS 9 & 11:
- NO JOINTS ON STORM PIPE AT UTILITY CROSSING. SET JOINT EQUAL DISTANCE ON EACH SIDE OF CROSSING, MIN. 9' EACH SIDE.
 - COORDINATE REQUIRED SHUT DOWNS WITH RESPECTIVE UTILITIES.
 - COORDINATE WITH RESPECTIVE UTILITIES STANDARDS.

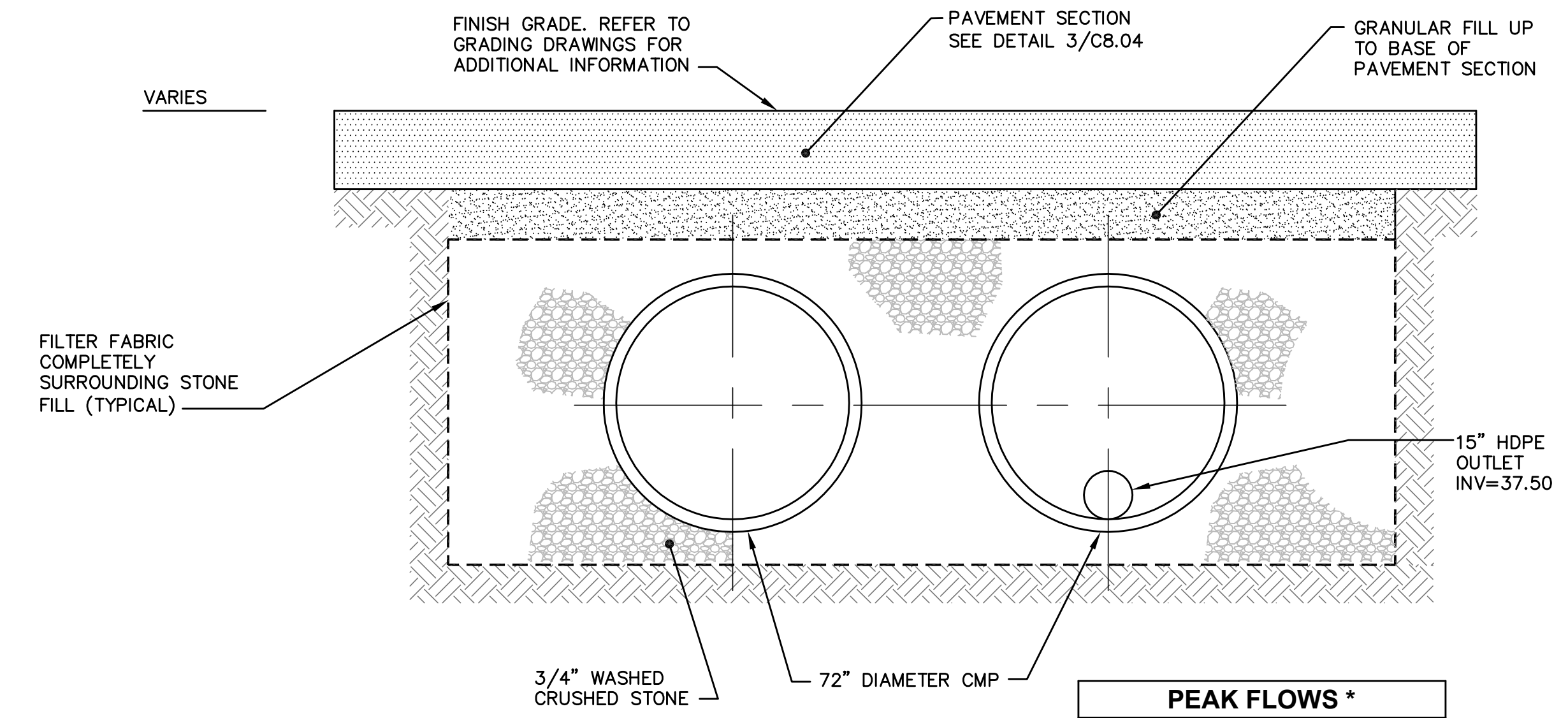
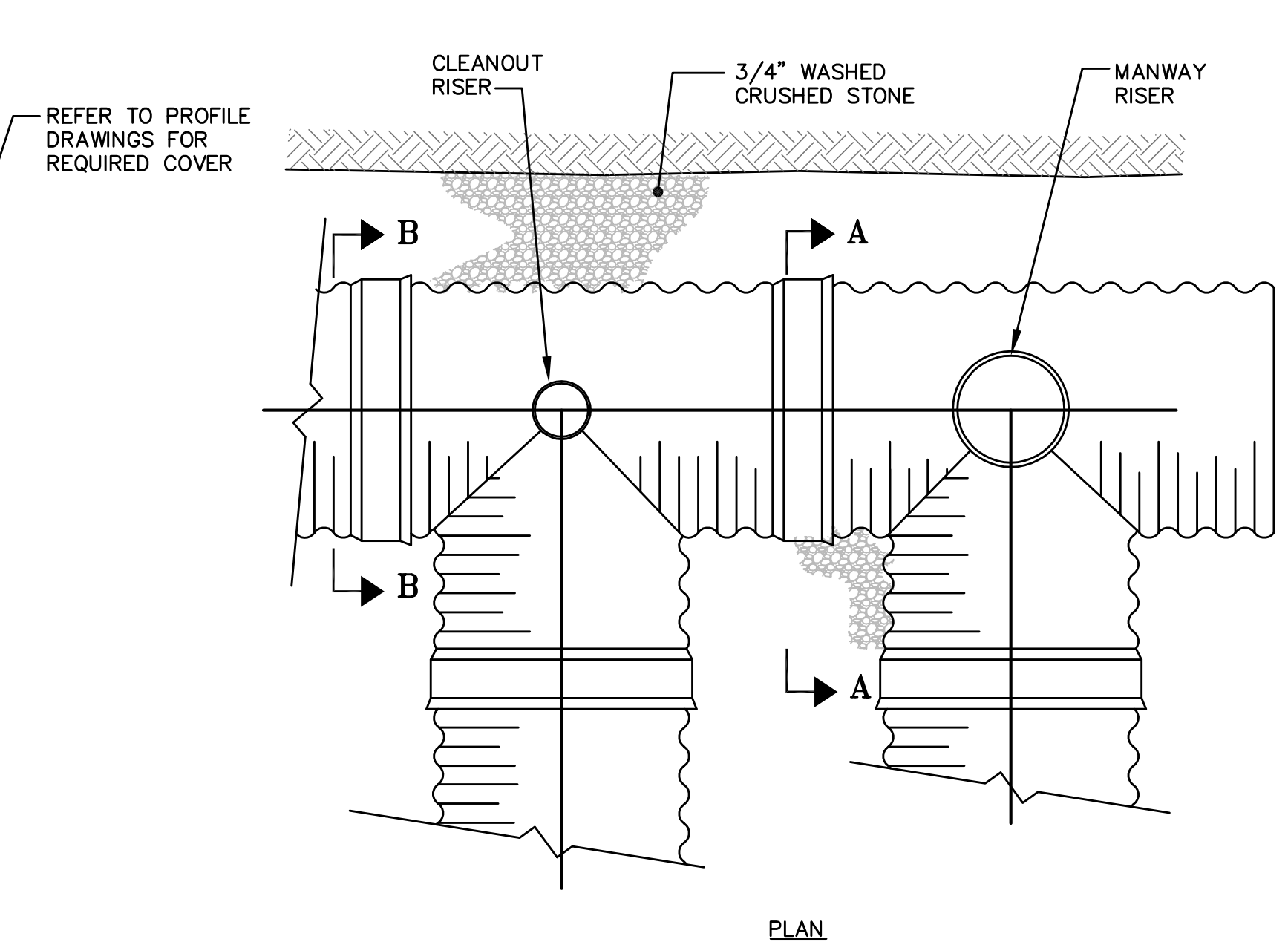
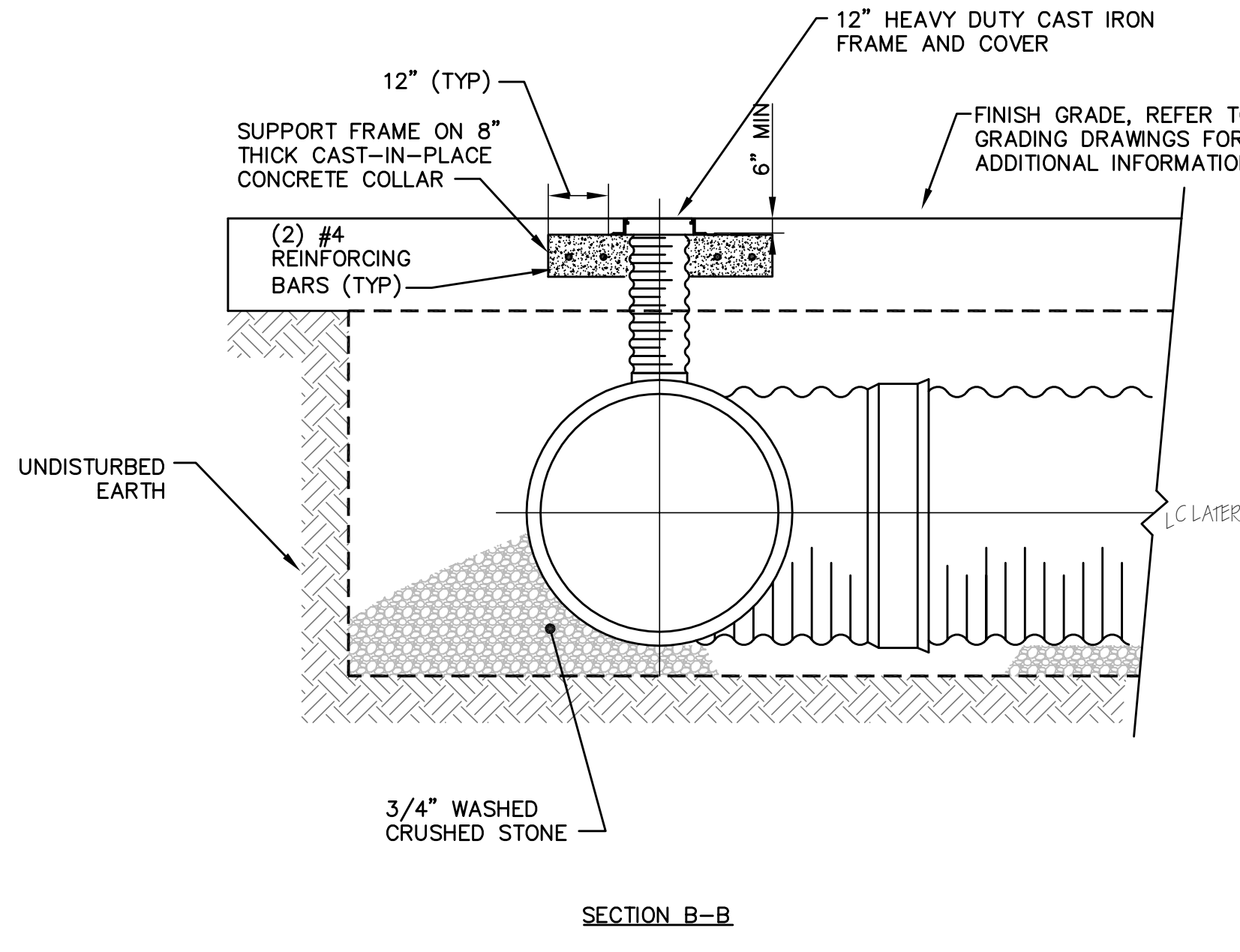
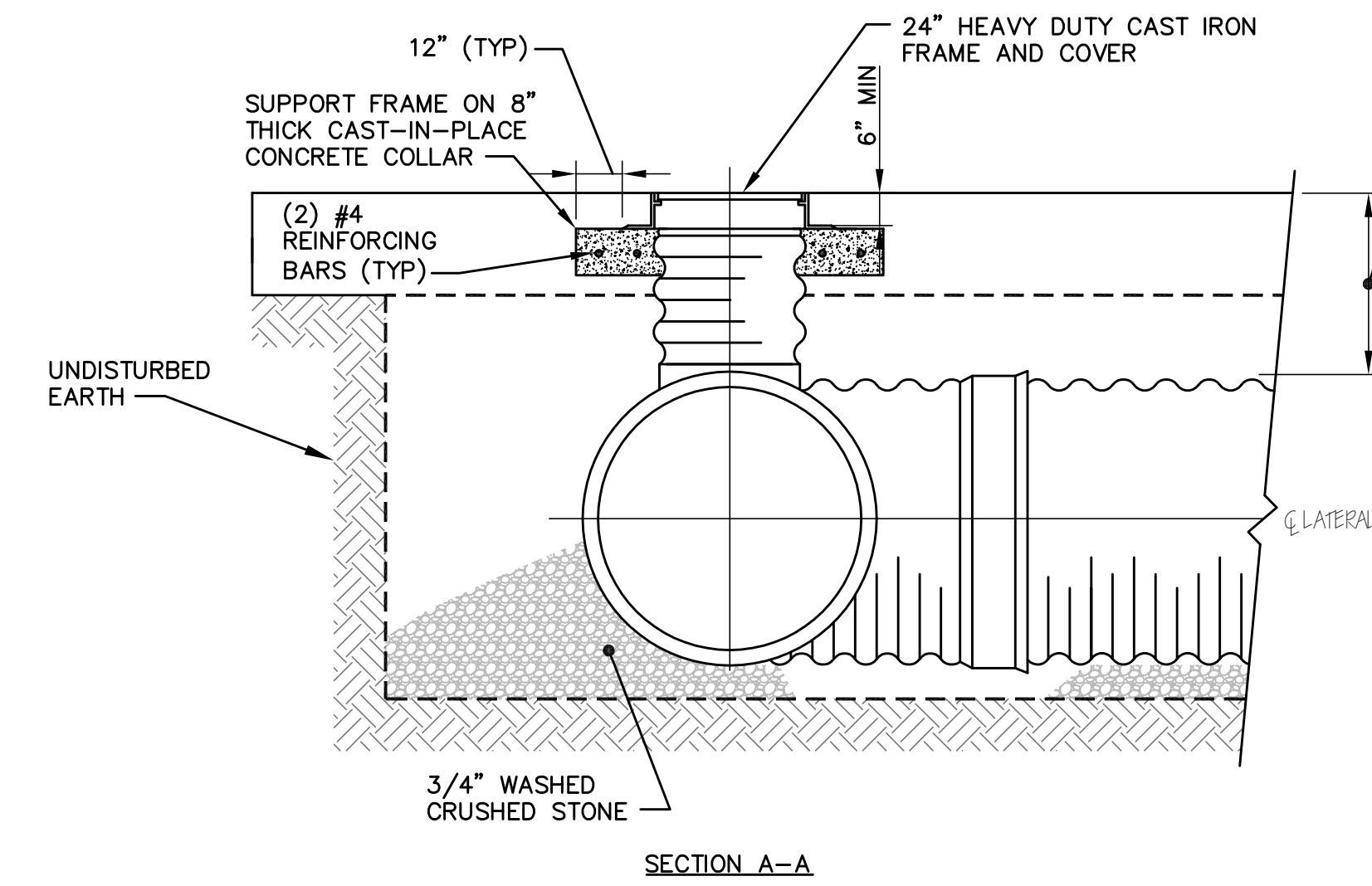


11 EXISTING SANITARY RELOCATION ALONG WHITE STREET
C-601 NOT TO SCALE



10 DOUBLE 12\"/>

SITE DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark	date	description	drawing prepared by	scale	date
			BVH integrated services	AS NOTED	12/01/2017
			project	drawn by	approved by
			GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT	MCC_IDO	MLJ
			CAD no.	project no.	drawing no.
			211512	BL-MH-121	C-601

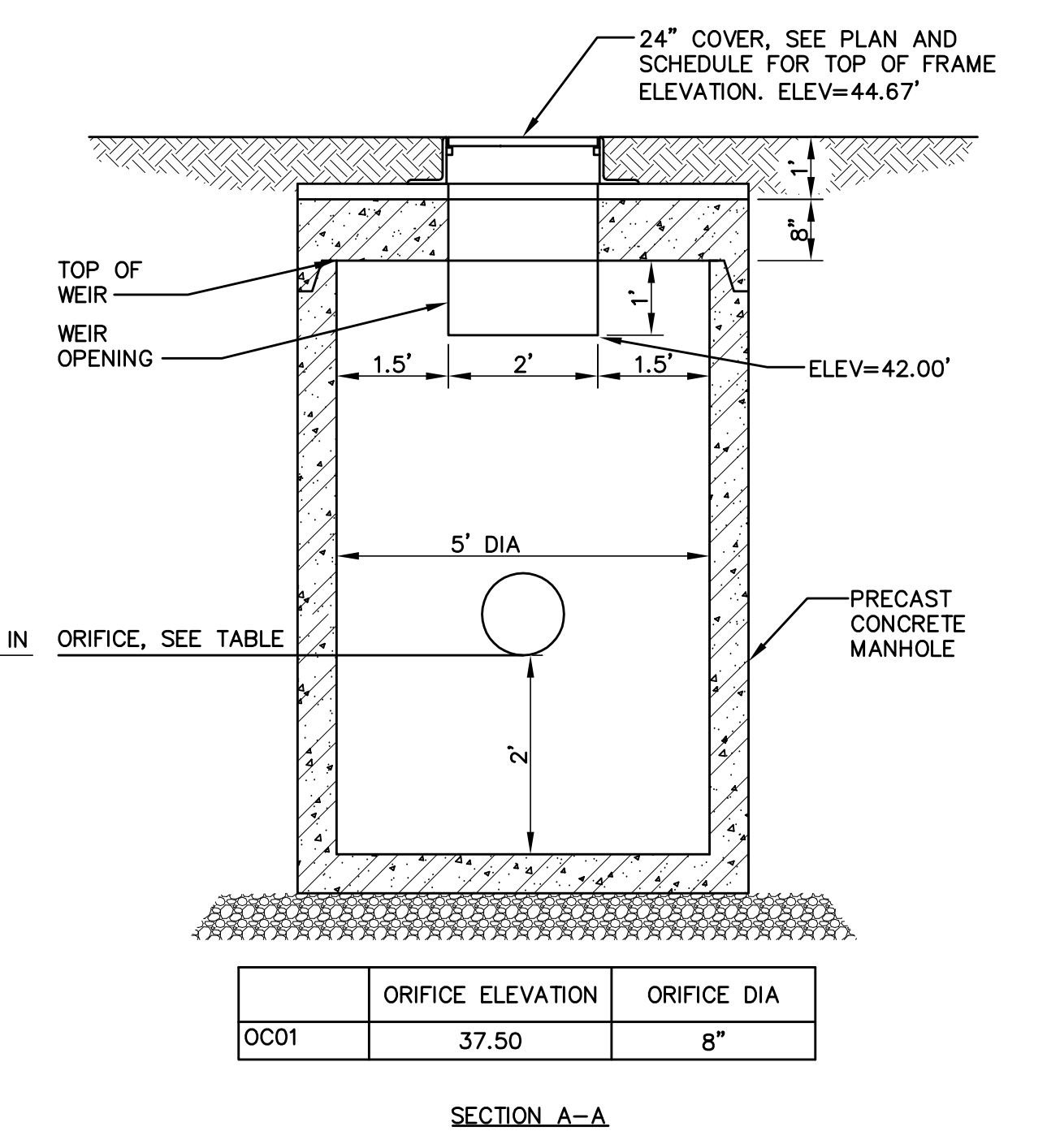
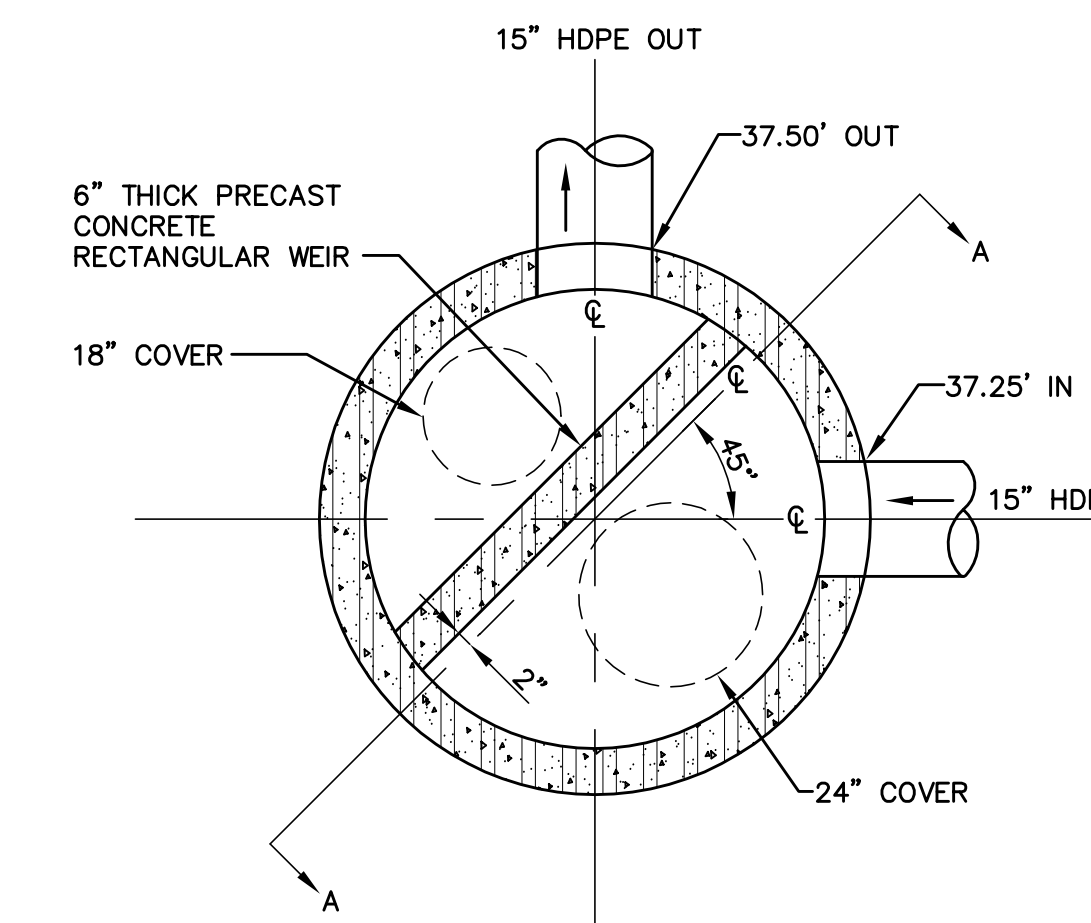


PEAK FLOWS *	
RETURN YEAR	DET. (cfs)
2	1.93
10	2.57
100	5.81

(* IF CONTRACTOR CHOOSES TO INSTALL SYSTEM AS DESIGNED, PEAK FLOW CALCULATIONS ARE NOT REQUIRED.)

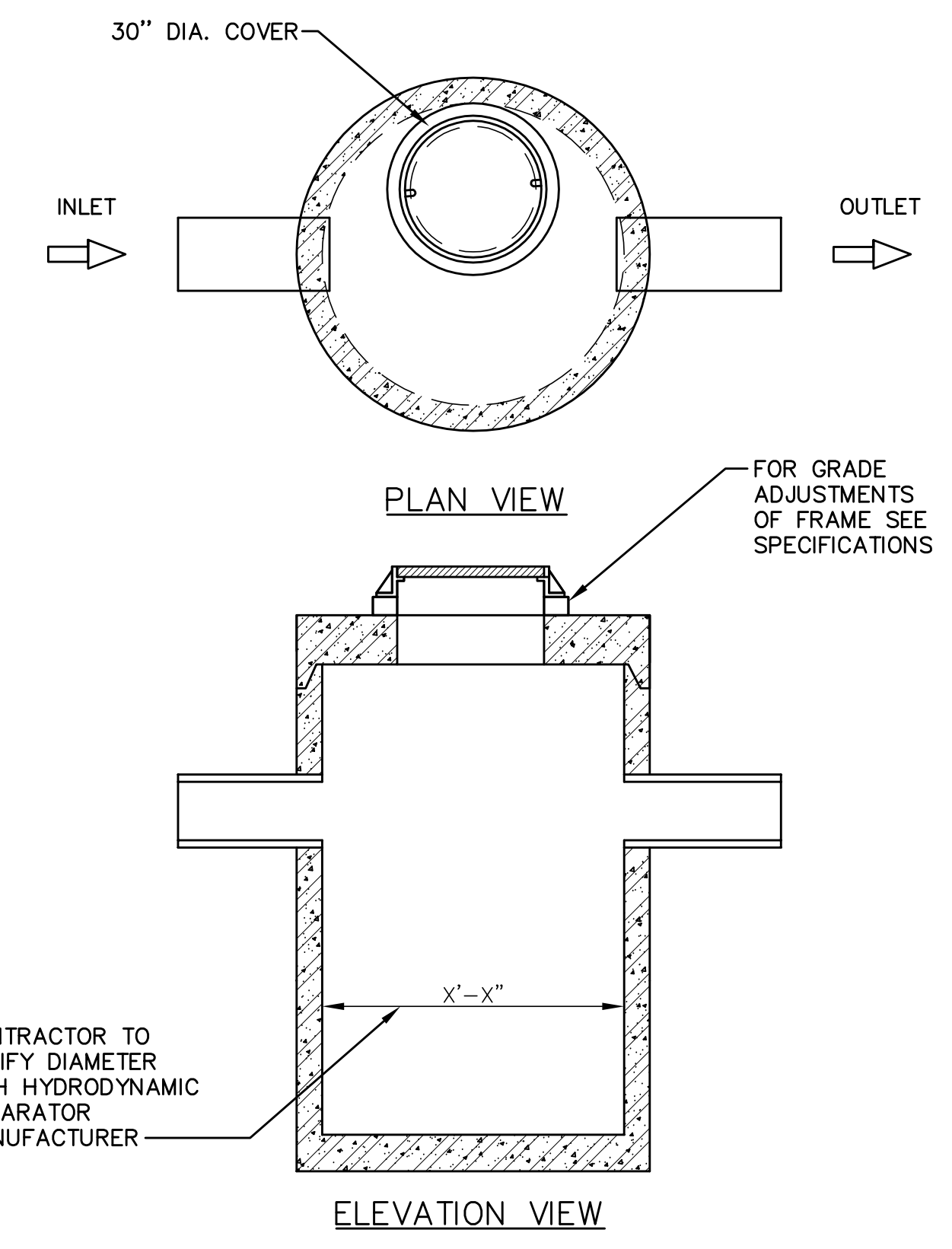
NOTE:
CONTRACTOR MAY SUBMIT ON ALTERNATE STORAGE OPTIONS PROVIDED SYSTEM MEETS THE REQUIRED STORAGE VOLUMES GIVEN ON THE GRADING AND DRAINAGE PLANS AND PEAK FLOWS LISTED ON THIS DETAIL. THE CONTRACTOR SHALL SUBMIT SYSTEM LAYOUT, DETAILS, OUTLET CONTROL REVISIONS AND CALCULATIONS IF AN ALTERNATE SYSTEM IS PROPOSED.

1 TYPICAL CMP PIPE DETENTION SYSTEM
C-602 NOT TO SCALE



	ORIFICE ELEVATION	ORIFICE DIA
OC01	37.50	8"

2 PRECAST CONCRETE OUTLET CONTROL STRUCTURE
C-602 NOT TO SCALE



HYDRODYNAMIC SEPARATOR DESIGN DATA	
DRAINAGE AREA (acres)	HDS01
IMPERVIOUS AREA (acres)	0.37
80% NET ANNUAL TSS REMOVAL GOAL PARTICLE SIZE (micron)	110
WATER QUALITY FLOW RATE (cfs)	0.38
WATER QUALITY VOLUME (ac-ft)	0.029
PEAK FLOWRATE FOR 10-YEAR STORM Q _{peak} (cfs)	2.64
* HYDRODYNAMIC SEPARATOR TO HAVE MINIMUM 1.0 CY OF SEDIMENT STORAGE	

HYDRODYNAMIC SEPARATOR DESIGN DATA	
DRAINAGE AREA (acres)	HDS02
IMPERVIOUS AREA (acres)	0.80
80% NET ANNUAL TSS REMOVAL GOAL PARTICLE SIZE (micron)	0.56
WATER QUALITY FLOW RATE (cfs)	0.60
WATER QUALITY VOLUME (ac-ft)	0.045
PEAK FLOWRATE FOR 10-YEAR STORM Q _{peak} (cfs)	4.04
* HYDRODYNAMIC SEPARATOR TO HAVE MINIMUM 1.0 CY OF SEDIMENT STORAGE	

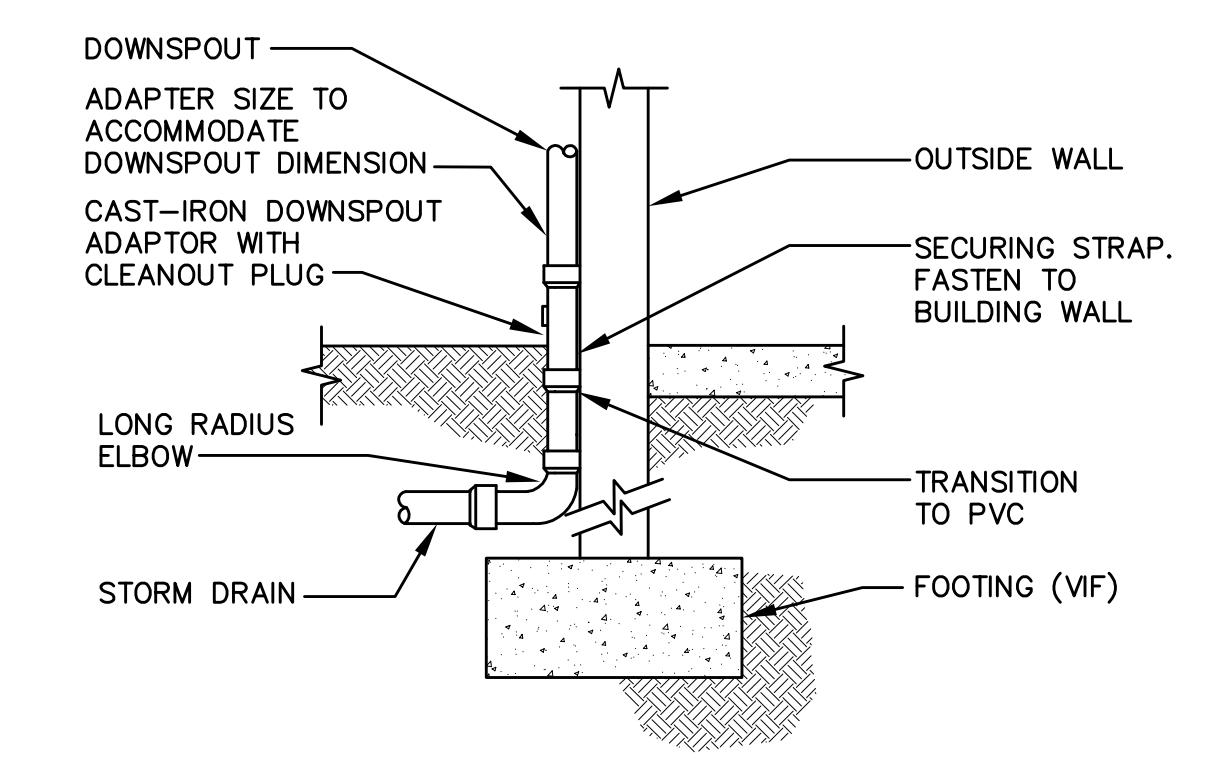
HYDRODYNAMIC SEPARATOR DESIGN DATA	
DRAINAGE AREA (acres)	HDS03
IMPERVIOUS AREA (acres)	1.01
80% NET ANNUAL TSS REMOVAL GOAL PARTICLE SIZE (micron)	0.57
WATER QUALITY FLOW RATE (cfs)	110
WATER QUALITY VOLUME (ac-ft)	0.62
PEAK FLOWRATE FOR 10-YEAR STORM Q _{peak} (cfs)	0.047
PEAK FLOWRATE FOR 10-YEAR STORM Q _{peak} (cfs)	3.38
* HYDRODYNAMIC SEPARATOR TO HAVE MINIMUM 1.0 CY OF SEDIMENT STORAGE	

3 HYDRODYNAMIC SEPARATOR DETAIL- MANHOLE UNIT
C-602 NOT TO SCALE

GENERAL NOTES:

1. WATER QUALITY STRUCTURE SHALL MEET DESIGN REQUIREMENTS STATED BELOW, SUBJECT TO FINAL APPROVAL BY ENGINEER. THE WATER QUALITY FLOW SHALL BE DIRECTED TO THE STRUCTURE, AND THE STRUCTURE SHALL BE DESIGNED TO TREAT THE WATER QUALITY FLOW STATED BELOW. FLOWS GREATER THAN THE WATER QUALITY FLOW SHALL BE BY-PASSED.
2. HYDRODYNAMIC SEPARATOR SHALL BE CONTAINED IN ONE CIRCULAR STRUCTURE.
3. HYDRODYNAMIC SEPARATOR SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY.
4. HYDRODYNAMIC SEPARATOR SHALL HAVE INTERNAL BY-PASS FOR FLOWS EXCEEDING THE WATER QUALITY FLOW WHERE NOTED ON PLANS.
5. HYDRODYNAMIC SEPARATOR SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER.
6. HYDRODYNAMIC SEPARATOR SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS.
7. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION.
8. CAST IRON MANHOLE FRAMES AND COVERS CAPABLE OF WITHSTANDING H₂O LOADING TO BE SUPPLIED WITH SYSTEM; CONTRACTOR IS RESPONSIBLE FOR RISERS AND INSTALLATION.
9. CONTRACTOR SHALL PREPARE EXCAVATION AND PROVIDE EQUIPMENT FOR OFF-LOADING & SETTING AT TIME OF DELIVERY.
10. THE CONTRACTOR SHALL HAVE THE HYDRODYNAMIC SEPARATOR INSPECTED BY THE MANUFACTURER'S REPRESENTATIVE FOR PROPER INSTALLATION. CONTRACTOR SHALL OBTAIN FROM THE REPRESENTATIVE WRITTEN CONFIRMATION THAT THE UNIT IS INSTALLED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS AND WILL BE COVERED UNDER THE MANUFACTURER'S WARRANTY.
11. HYDRODYNAMIC SEPARATOR SHALL BE APPROVED BY THE CT DOT. AS OF OCTOBER 2015 THE FOLLOWING MODELS/MANUFACTURERS WERE APPROVED:

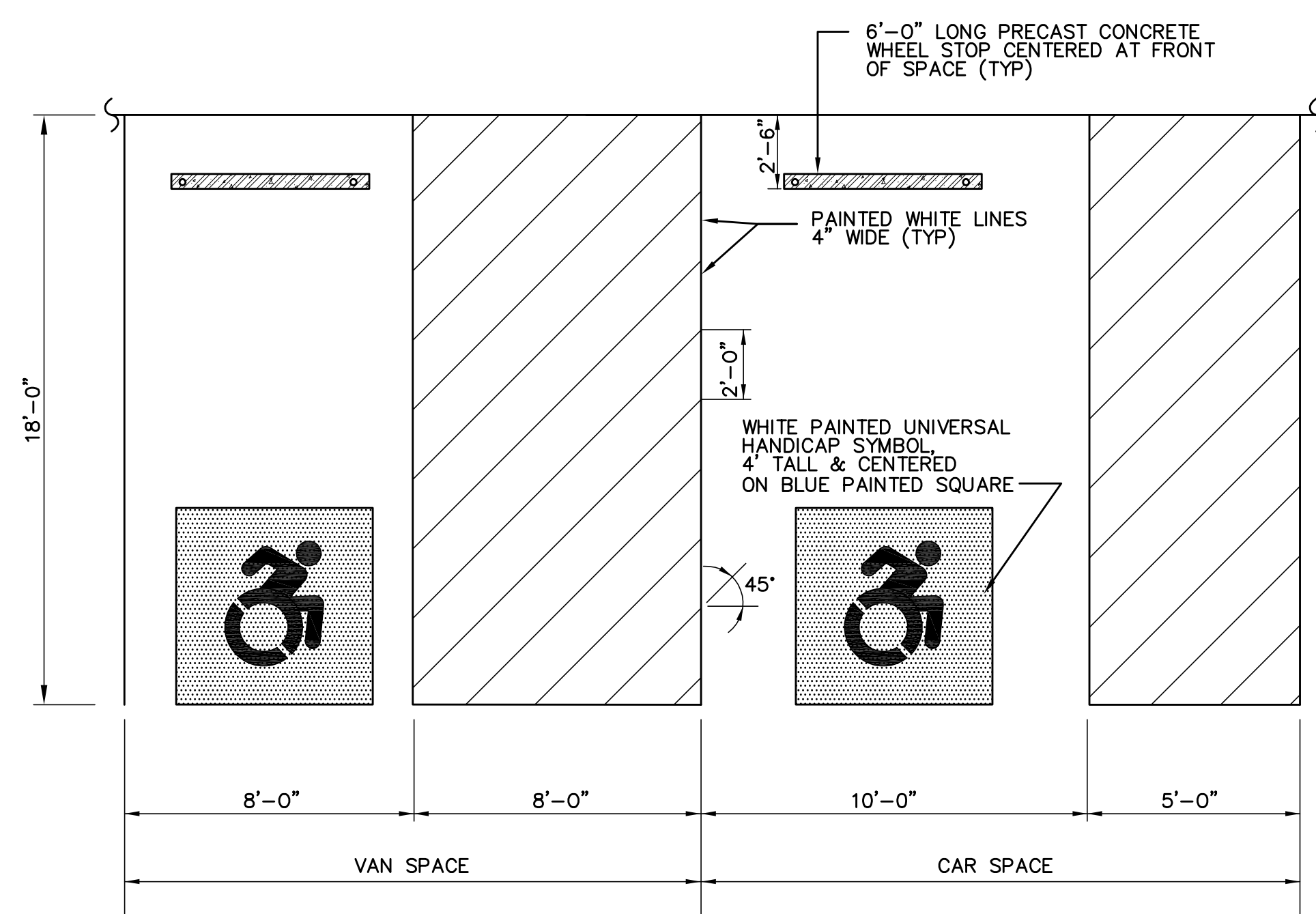
DOWNSTREAM DEFENDER - HYDRO INTERNATIONAL
 FLOGARD DUAL VORTEX HYDRODYNAMIC SEPARATOR - OLDCASTLE STORMWATER SOLUTIONS
 HIGH EFFICIENCY QDS - CONTECH STORMWATER SOLUTIONS
 VORTECHS - CONTECH STORMWATER SOLUTIONS
 VORTSENTRY - CONTECH STORMWATER SOLUTIONS
 HYDROGUARD - HYDROWORKS, LLC
 STORMCEPTOR OSR - RINKER MATERIALS
 STORMCEPTOR STC - RINKER MATERIALS
 V2B1 - ENVIRONMENT 21



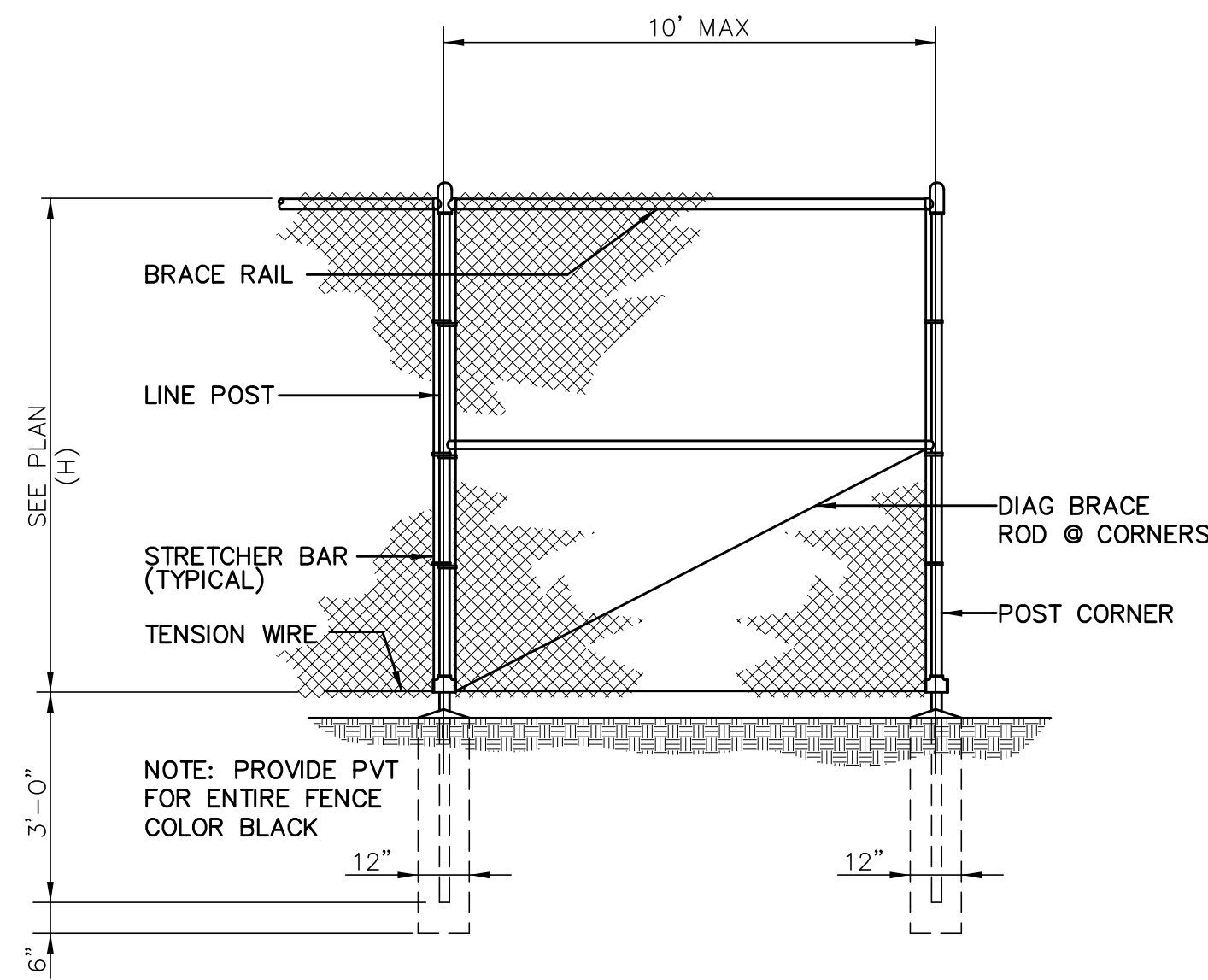
4 DOWNSPOUT CONNECTION DETAIL
C-602 NOT TO SCALE

drawing title SITE DETAILS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrate services		date 12/01/2017	scale AS NOTED
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by MCC, JDO	approved by MLJ
CAD no. 211512	project no. B1-MH-121	drawing no. C-602	

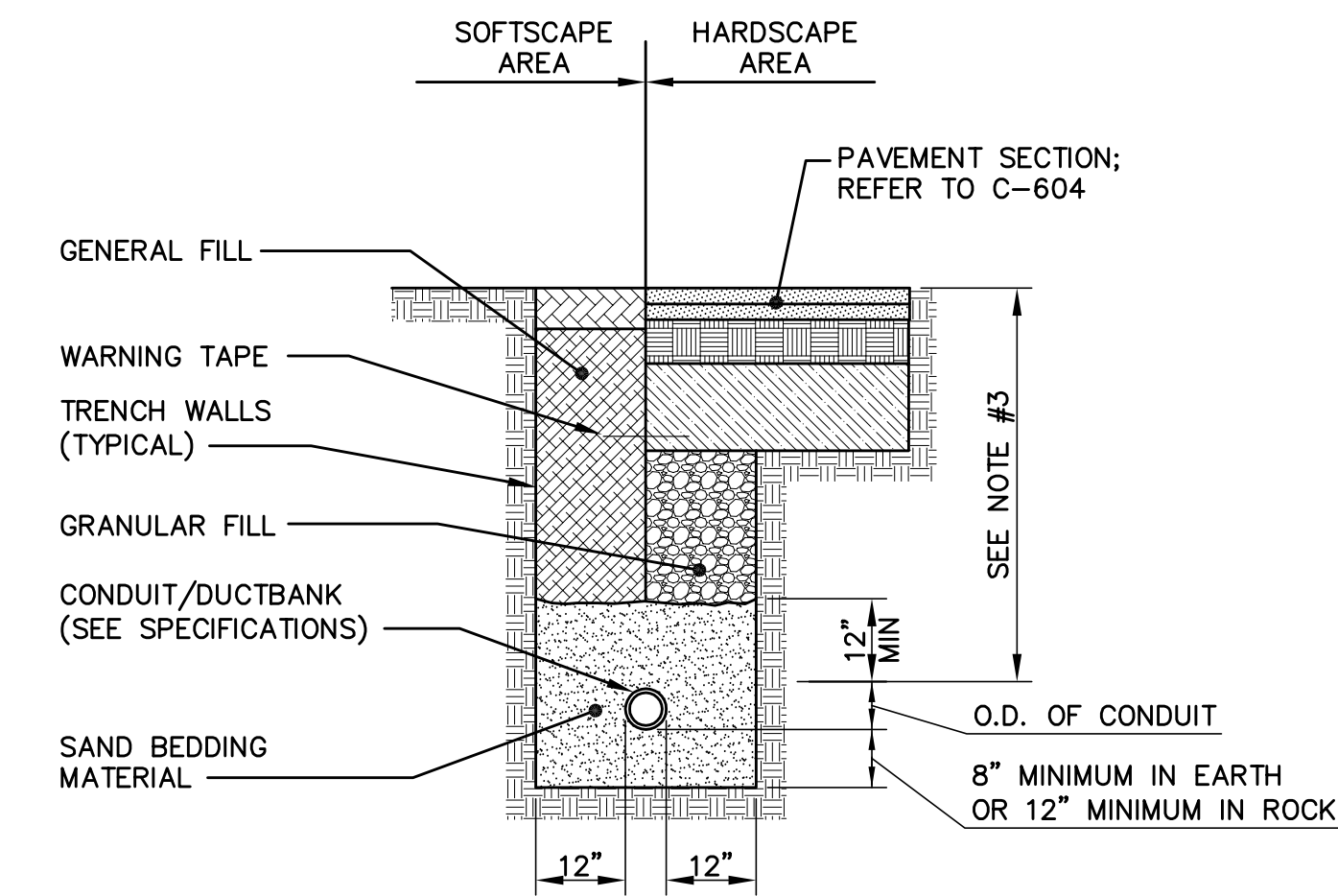




1 TYPICAL HANDICAP PARKING LAYOUT
C-603 NOT TO SCALE

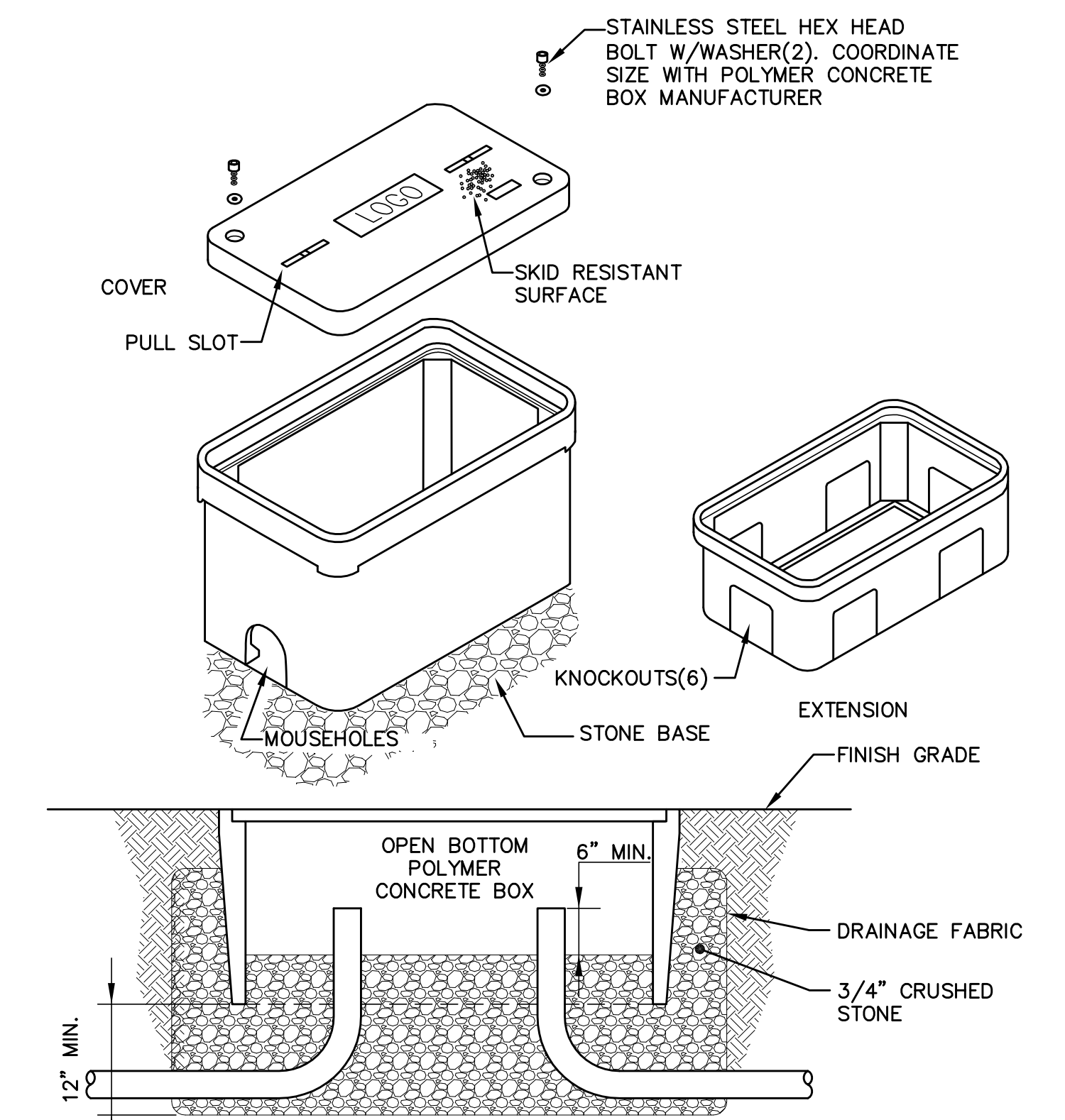


2 TYPICAL CHAIN LINK FENCE DETAIL
C-603 NOT TO SCALE



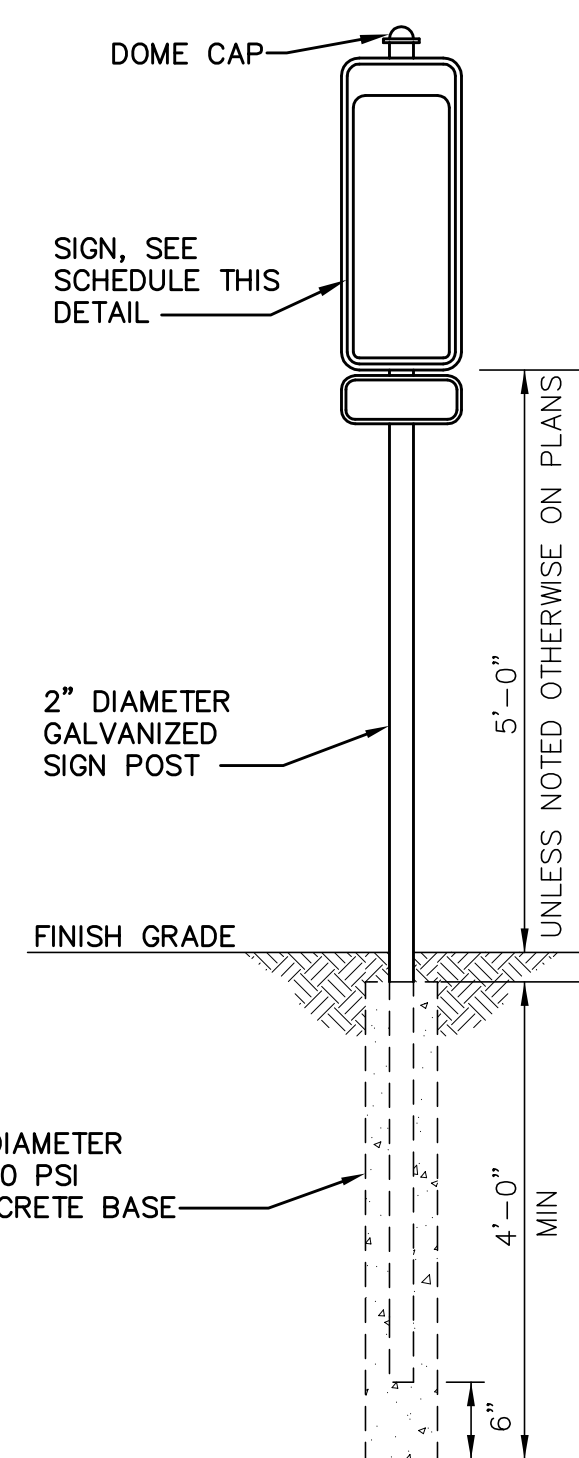
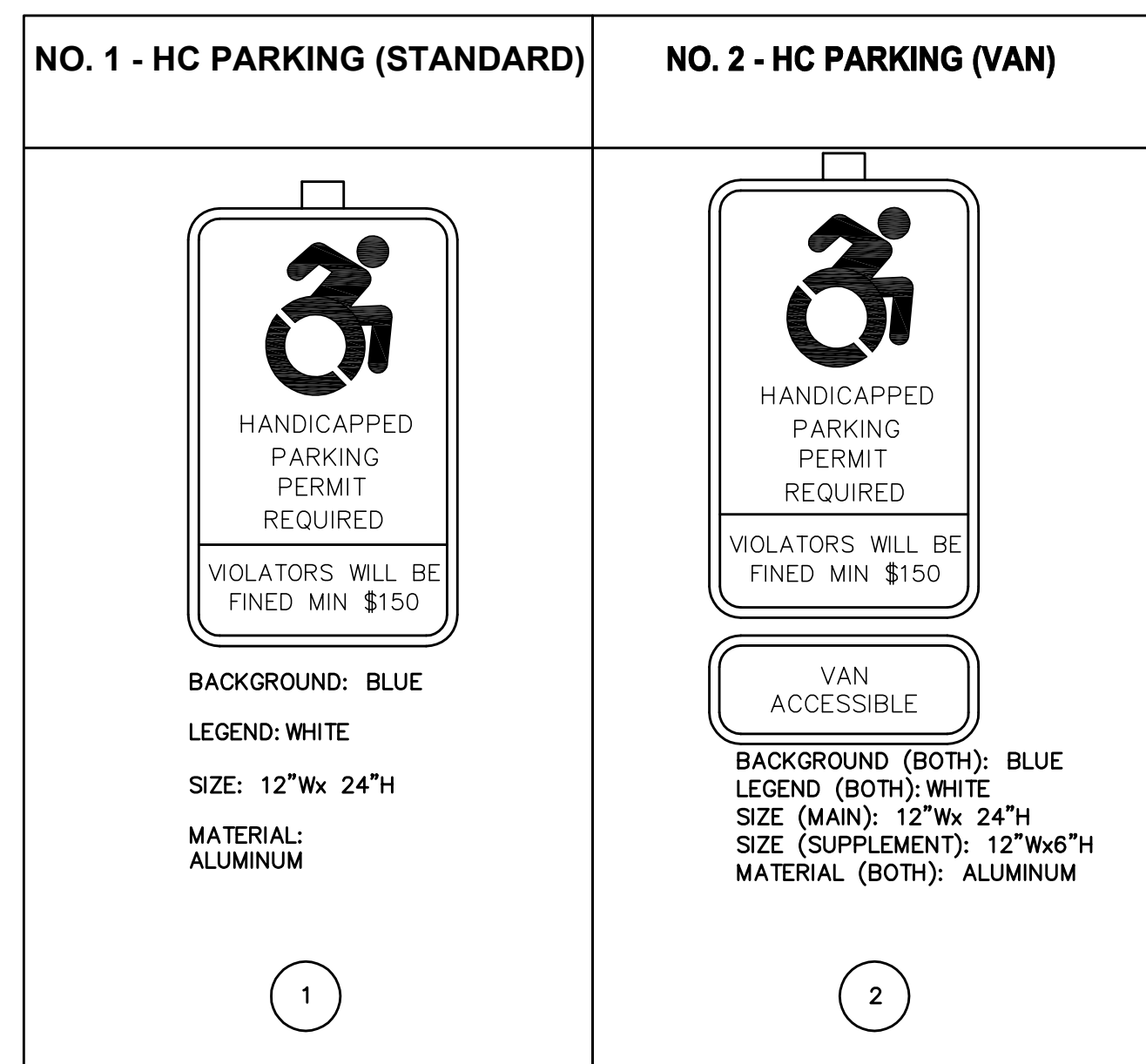
- NOTES:
- SEE SITE UTILITY PLANS FOR NUMBER OF CONDUITS IN EACH DUCTBANK.
 - SEE SPECIFICATIONS FOR CLEARANCES, SPACER DETAILS, BACKFILL, AND WARNING TAPE INFORMATION.
 - INSTALL TOP OF DUCT BANK A MINIMUM OF 24 INCHES AND A MAXIMUM OF 30 INCHES BELOW FINISHED GRADE, UNLESS OTHERWISE INDICATED. ENGINEER MUST BE NOTIFIED PRIOR TO CONSTRUCTION, WHEN DEPTH OF BURIAL TO TOP OF DUCTBANK WILL BE GREATER THAN 30 INCHES FOR 25% OR MORE OF THE FEEDER RUN.

3 TYPICAL DIRECT BURY CONDUIT TRENCH SECTION
C-603 NOT TO SCALE

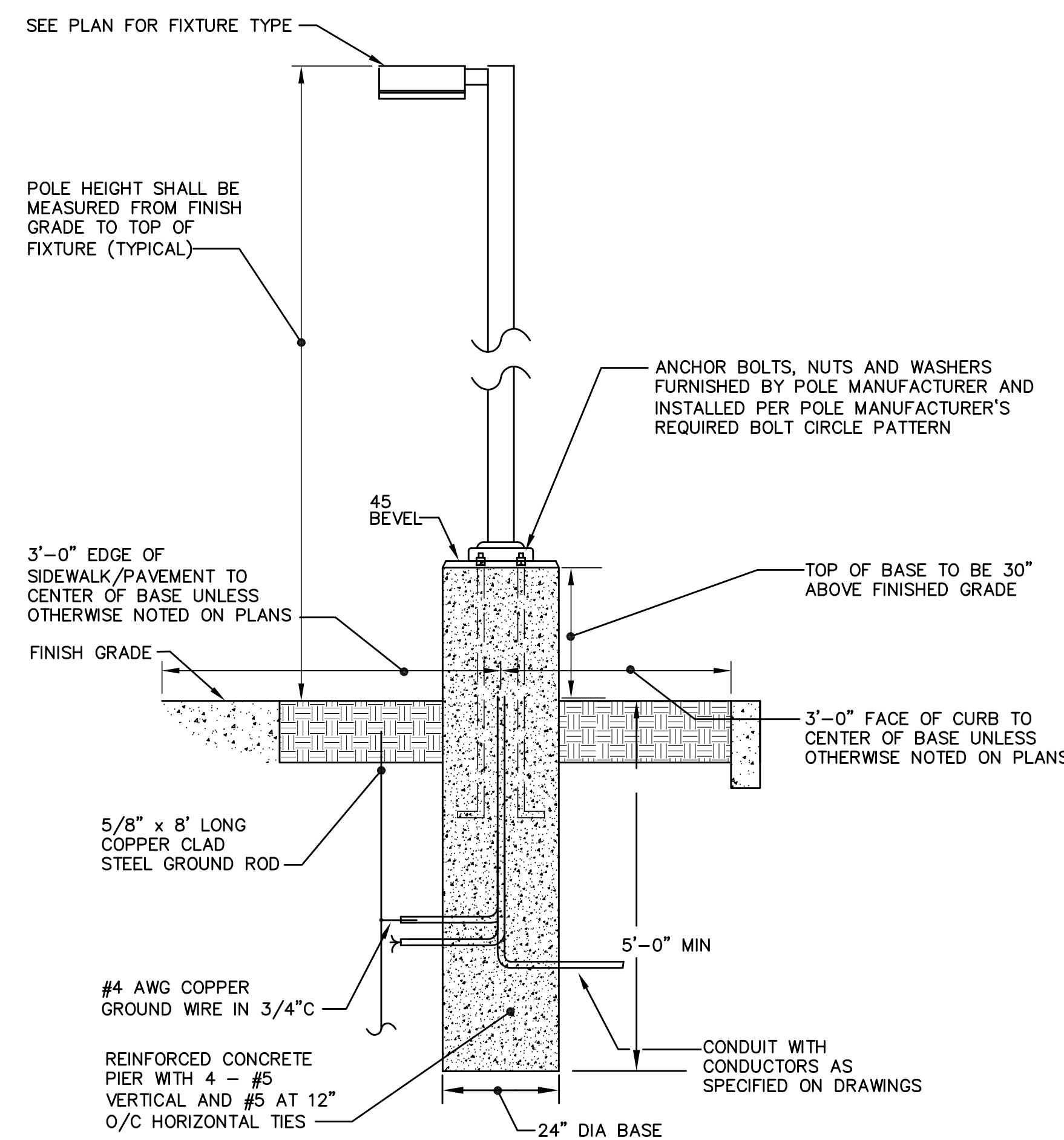


- NOTES:
- PROVIDE 1"x4" BELL PULL SLOT FOR EACH HANDHOLE.
 - COVERING RING AND BOX SHALL BE MADE OF SAME MATERIAL.
 - COORDINATE COVER AND FRAME COLOR OF HANDHOLE WITH ARCHITECT.
 - PROVIDE TIER 15 MINIMUM RATED BOX AND COVER.

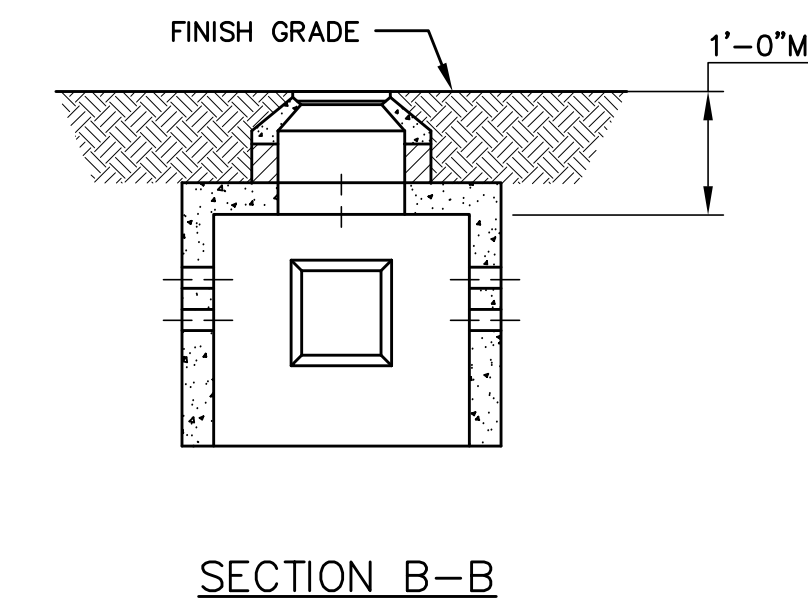
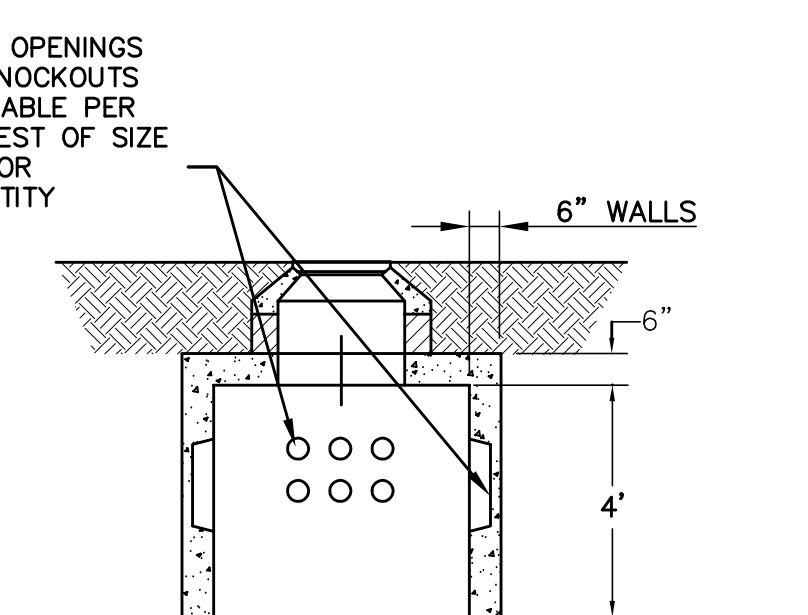
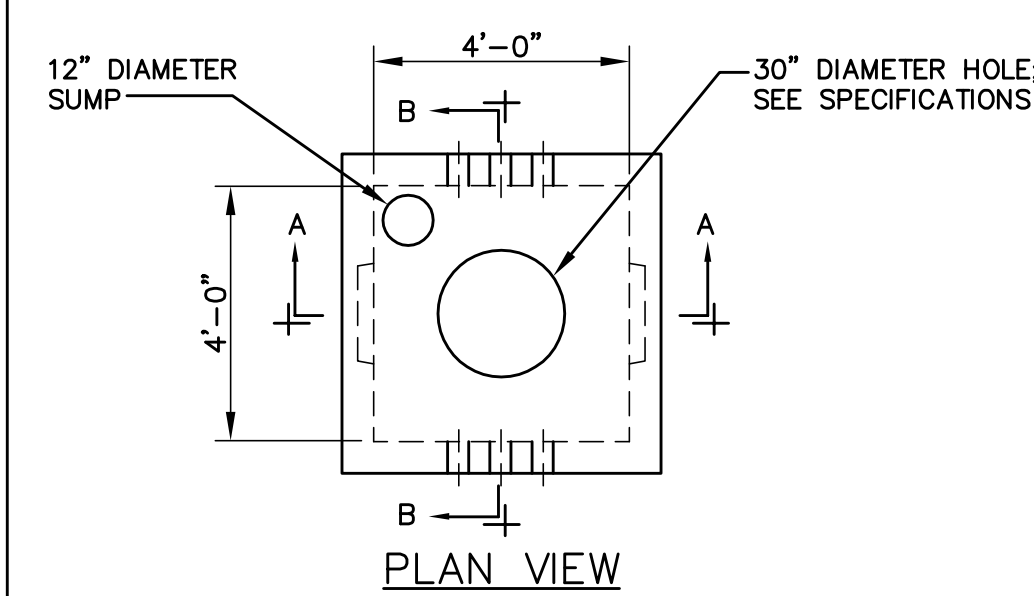
4 POLYMER CONCRETE PULL BOX INSTALLATION DETAIL
C-603 NOT TO SCALE



5 TYPICAL SIGN DETAIL
C-603 NOT TO SCALE

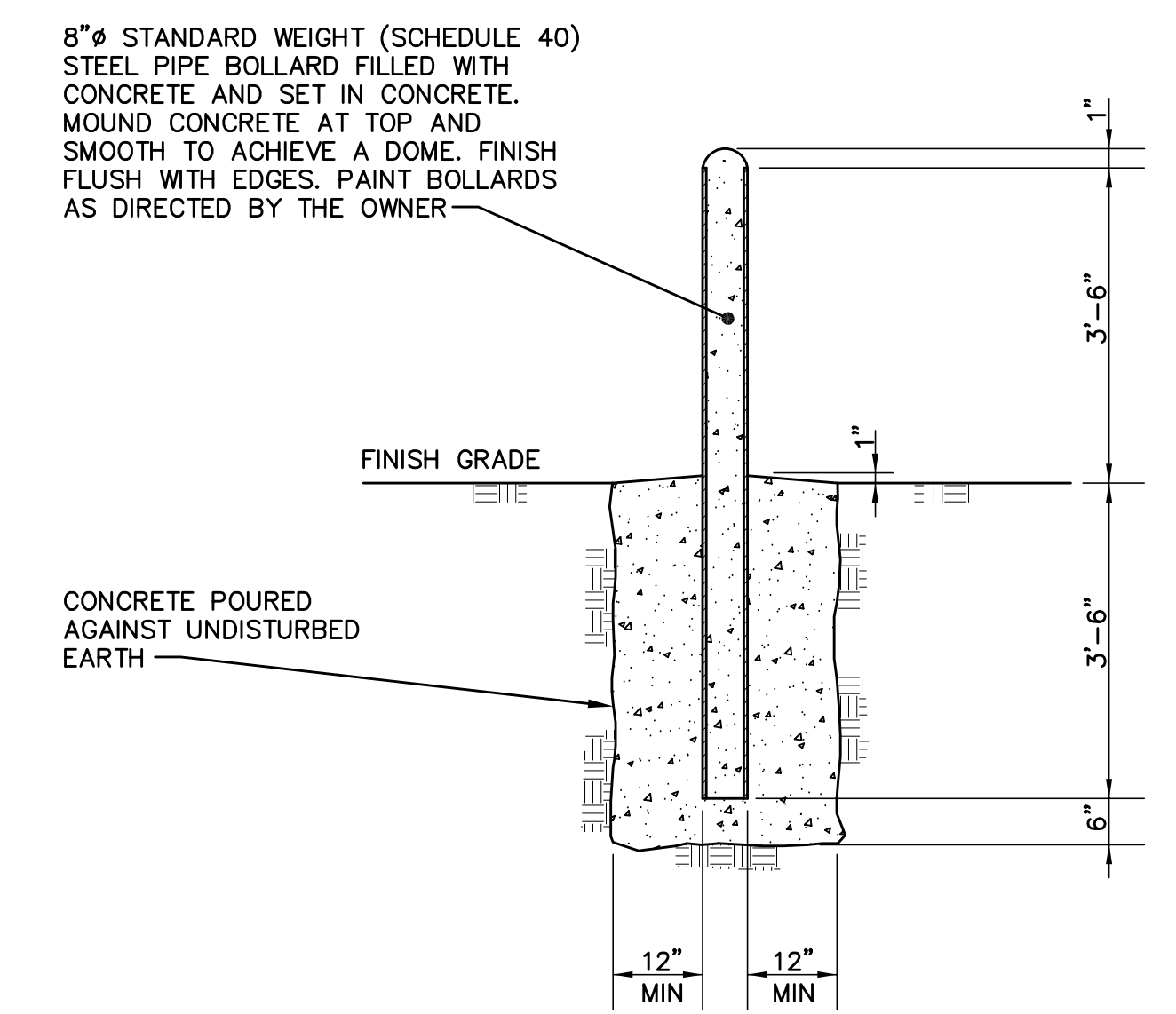


6 SITE LIGHTING PRE-CAST BASE DETAIL
C-603 NOT TO SCALE

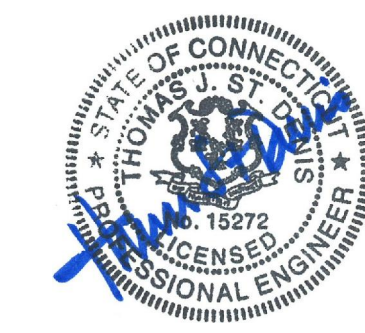


- NOTES:
- MANHOLE SHALL BE DESIGNED FOR THE FOLLOWING LOADS:
 - THE ROOF SHALL BE DESIGNED FOR AASHTO HS20-1983 DIRECT WHEEL LOAD.
 - THE WALLS SHALL BE DESIGNED FOR THE SUMMATION OF THE FOLLOWING:
 - SOIL PRESSURE OF NOT LESS THAN AN EQUIVALENT FLUID PRESSURE OF 40 PCF.
 - HYDROSTATIC PRESSURE OF 3 FEET MEASURED FROM THE BASE OF THE HANDHOLE.
 - A SURCHARGE OF 2.5 FEET OF SOIL WEIGHING 120 PCF.
 - THE FLOOR SHALL BE DESIGNED TO RESIST THE HYDROSTATIC PRESSURE RESULTING FROM THE HEAD CALLED FOR IN 1.b.2 ABOVE.
 - CONCRETE AND CONCRETE DESIGN SHALL BE IN ACCORDANCE WITH ACI LATEST EDITION.
 - CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 4000 PSI.
 - STEEL REINFORCING BARS SHALL CONFORM TO ASTM LATEST EDITION GRADE 60. WELDED WIRE MESH SHALL CONFORM TO ASTM A185-1985E1 OR LATEST EDITION.
 - OPENINGS AND KNOCKOUTS SHALL BE CLEAR OF REINFORCEMENT.
 - CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT OR EQUIVALENT.
 - MANUFACTURER'S IDENTIFICATION AND MONTH/YEAR WHEN MANUFACTURED SHALL BE LEGIBLY MARKED IN/ON CONCRETE IN THE SIDE OF THE 36" OPENING.
 - KNOCKOUTS SHOWN ARE TYPICAL. NOTIFY MANUFACTURER IF DIFFERENT SIZES AND/OR LOCATIONS ARE REQUIRED.

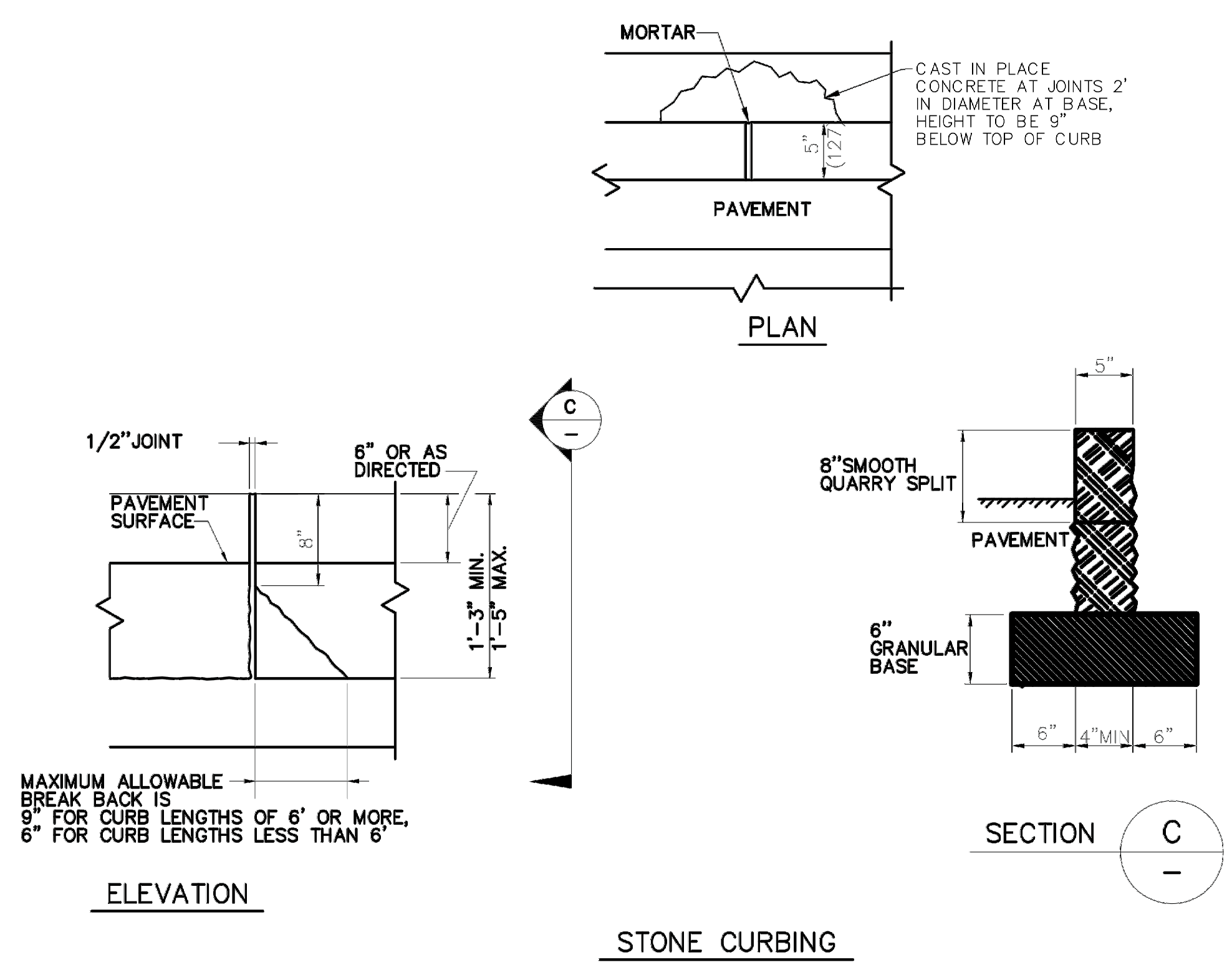
7 TYPICAL PRECAST CONCRETE HANDHOLE
C-603 NOT TO SCALE



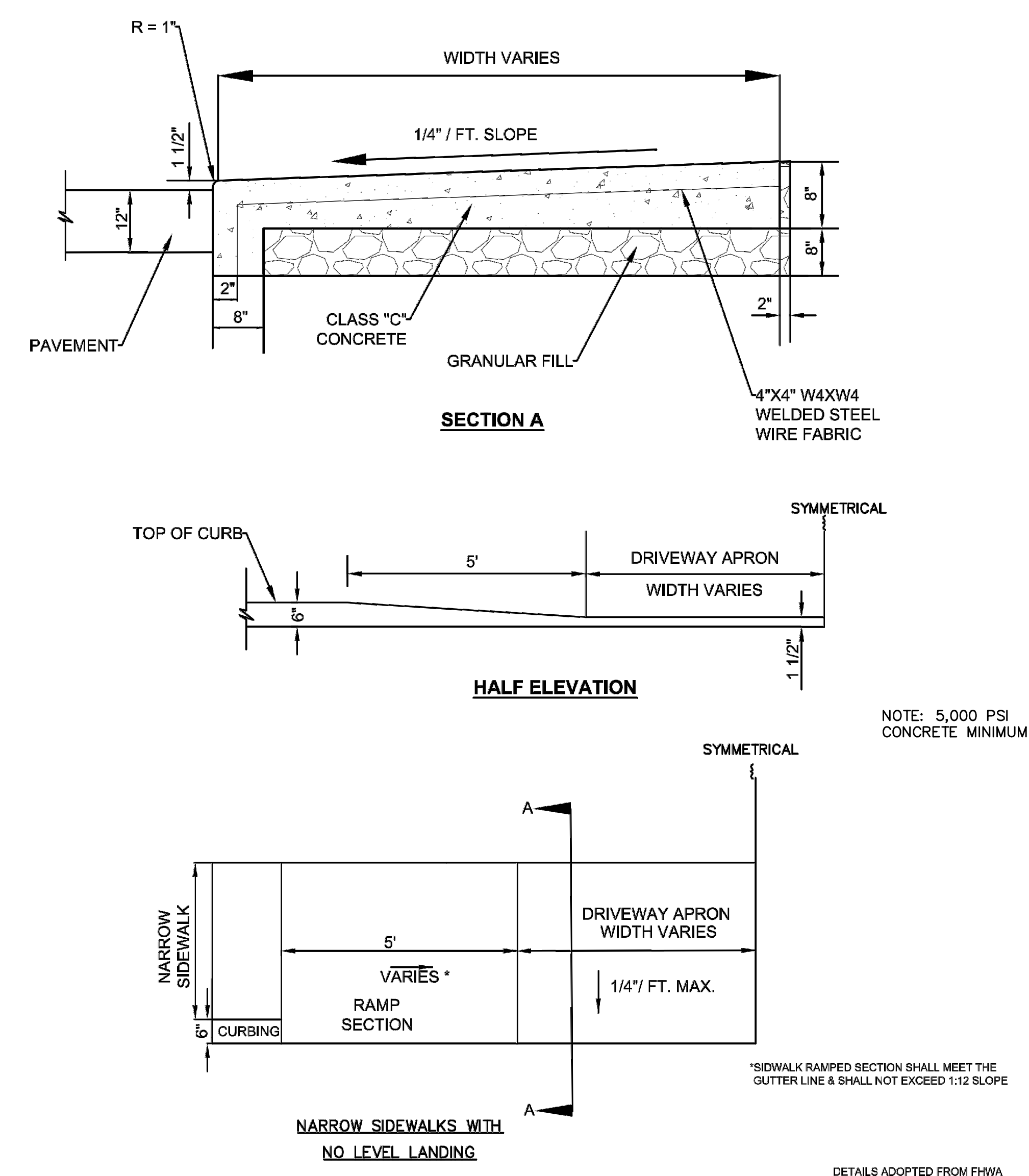
8 TYPICAL BOLLARD DETAIL
C-603 NOT TO SCALE



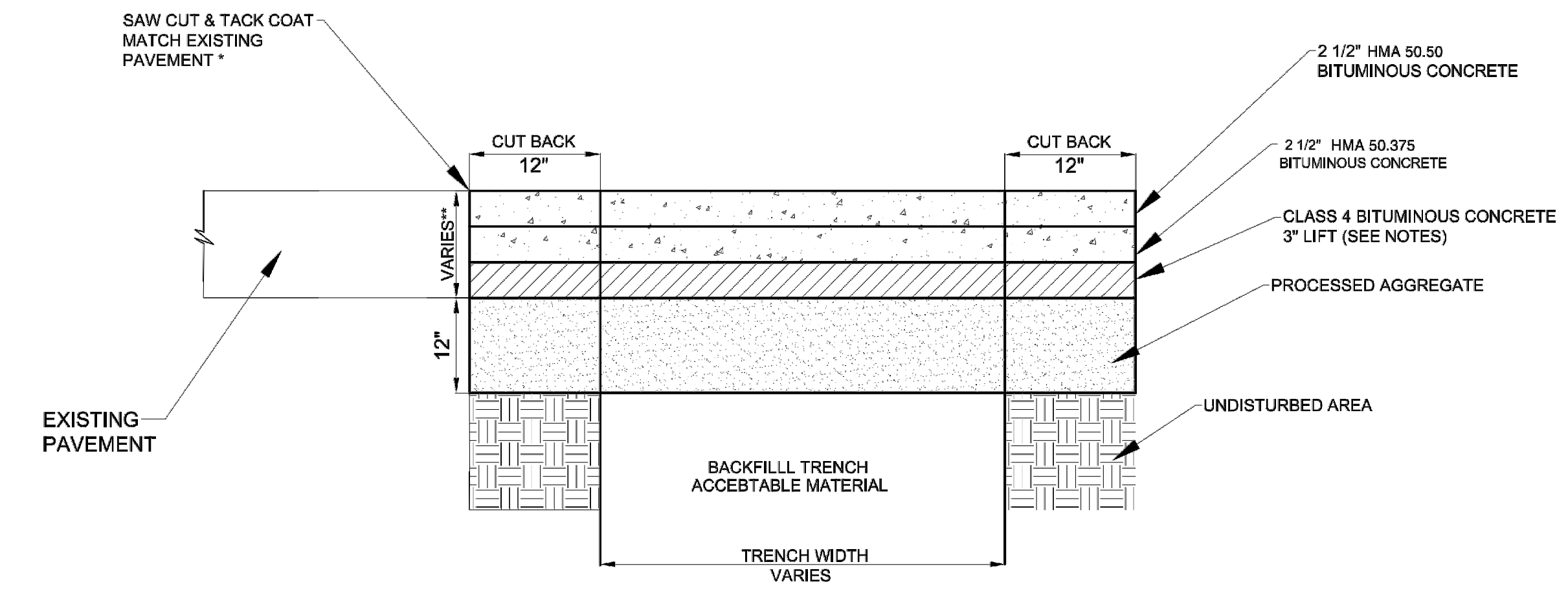
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SITE DETAILS			
REVISIONS			
mark	date	description	
drawing prepared by		date	
drawing checked by		scale	
project		drawing no.	
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		12/01/2017 AS NOTED	
CAD no.		approved by	
211512		MLJ	
project no.		drawing no.	
BL-MH-121		C-603	



1 TYPICAL GRANITE CURB DETAIL
C-604 NOT TO SCALE



3 TYPICAL CONCRETE SIDEWALK DETAIL
C-604 NOT TO SCALE



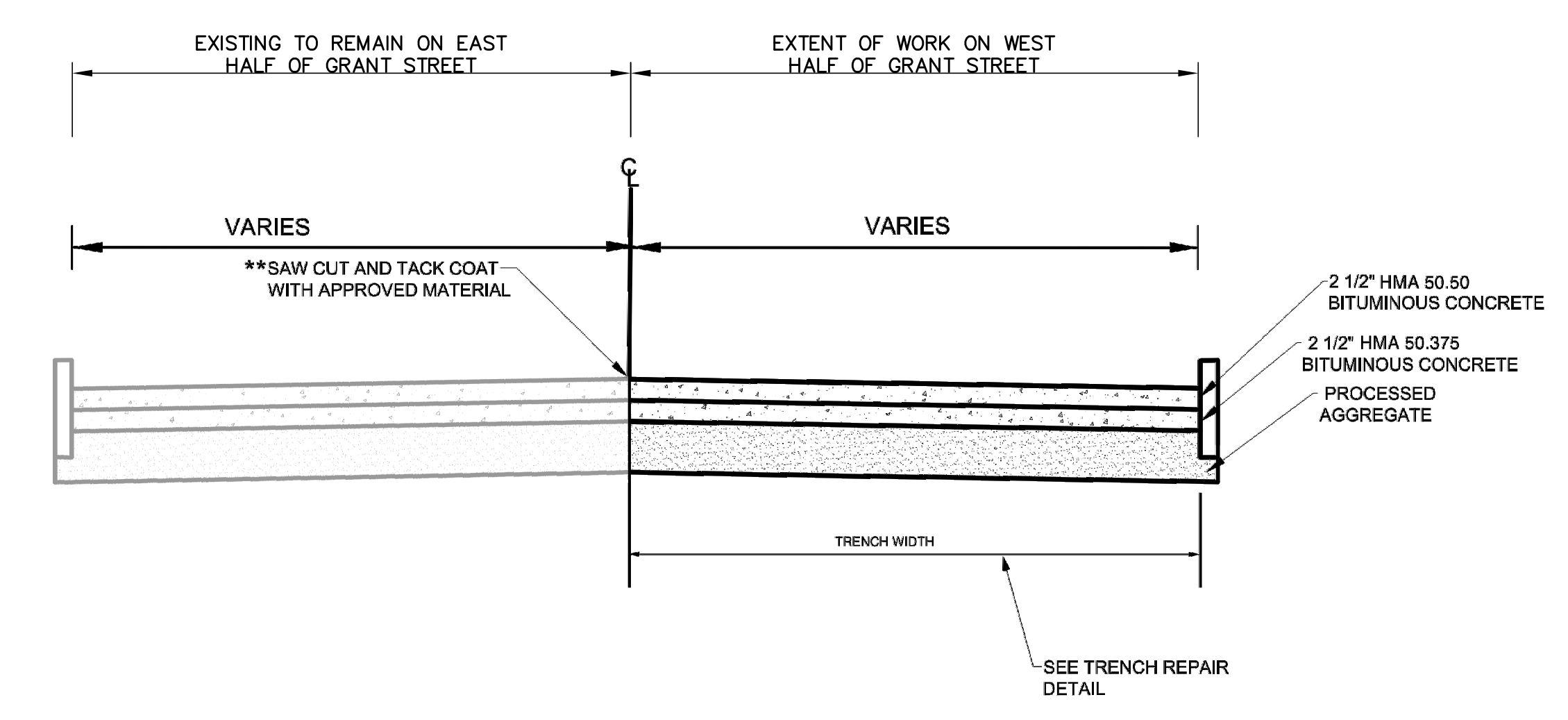
* SEE NOTES
** SEE NOTE # 5

NOTES:

- TACK COAT CONFIRMING TO AASHTO 140, GRAD MS-2 SHALL BE APPLIED PRIOR TO THE PLACING OF THE FIRST COURSE OF BITUMINOUS CONCRETE.
- AFTER THE FIRST COURSE OF BITUMINOUS CONCRETE HAS BEEN PLACED AND COMPACTED, ANOTHER APPLICATION OF TACK COAT SHALL BE APPLIED TO THE PATCH & THE EXISTING PAVEMENT.
- A FINAL APPLICATION OF TACK COAT SHALL BE APPLIED TO THE JOINT BETWEEN THE PATCH & THE EXISTING PAVEMENT SURFACE, IT SHALL BE APPLIED SO THE APPROXIMATELY TWO INCHES & FOUR INCHES ARE ON THE EXISTING PAVEMENT & PATCH.
- PAVEMENT SHALL BE SEALED WITH AN APPROVED ASPHALTIC MATERIAL IN ACCORDANCE WITH THE CT DOT FORM 817.
- IF THE EXISTING PAVEMENT EXCEED 5' IN DEPTH CLASS 4 BITUMINOUS CONCRETE SHALL BE INSTALLED IN 3' LIFTS AND COMPACTED.
- AS PER CTDOT SECTION 10.01 FORM 817, ALL TRENCHES IN EXISTING PAVED SURFACES, WHICH PARALLEL THE CURB, SHALL BE NO MORE THAN 1 1/2 FT. FROM THE CURB OR WHEN NO CURB IS PRESENT, THE APPARENT EDGE OF ROAD.
- DISTURBED PAVEMENT MARKINGS SHALL BE REPLACED WITH NEW PAVEMENT MARKINGS AS PER MUTCD.
- DISTURBED TRAFFIC LOOPS SHALL BE PUT BACK.

ALL SPECS FROM CTDOT FORM 817

2 TYPICAL PAVEMENT REPAIR CROSS SECTION
C-604 NOT TO SCALE



NOTES:

- IF OPENING OR EXCAVATION IS MADE IN ANY STREET OR HIGHWAY WHICH IS 100 LINEAR FEET OR MORE MILLING OR SAWCUTTING WILL BE REQUIRED FROM CENTERLINE TO CURB. CUTBACK WILL VARY DUE TO THE TRENCH DISTANCE FROM THE CENTERLINE OF THE EXISTING ROADWAY.
- IF TRENCH EXCAVATION IMPACT INTO OR DISTURB MORE THAN ONE LANE, AT WHICH TIME COMPLETE CURB OR ESPLANADE TO CURB REHABILITATION WILL BE REQUIRED.
- AS PER CTDOT SECTION 10.01 FORM 817, ALL TRENCHES IN EXISTING PAVED SURFACES, WHICH PARALLEL THE CURB, SHALL BE NO MORE THAN 1 1/2 FT. FROM THE CURB OR WHEN NO CURB IS PRESENT, THE APPARENT EDGE OF ROAD.
- BACKDISTURBED PAVEMENT MARKINGS SHALL BE REPLACED WITH NEW PAVEMENT MARKINGS AS PER MUTCD.
- DISTURBED PAVEMENT MARKINGS SHALL BE REPLACED WITH NEW PAVEMENT MARKINGS AS PER MUTCD.
- DISTURBED TRAFFIC LOOPS SHALL BE PUT BACK

** FOR TACK COAT APPLICATION SEE PERMANENT REPAIR DETAILS

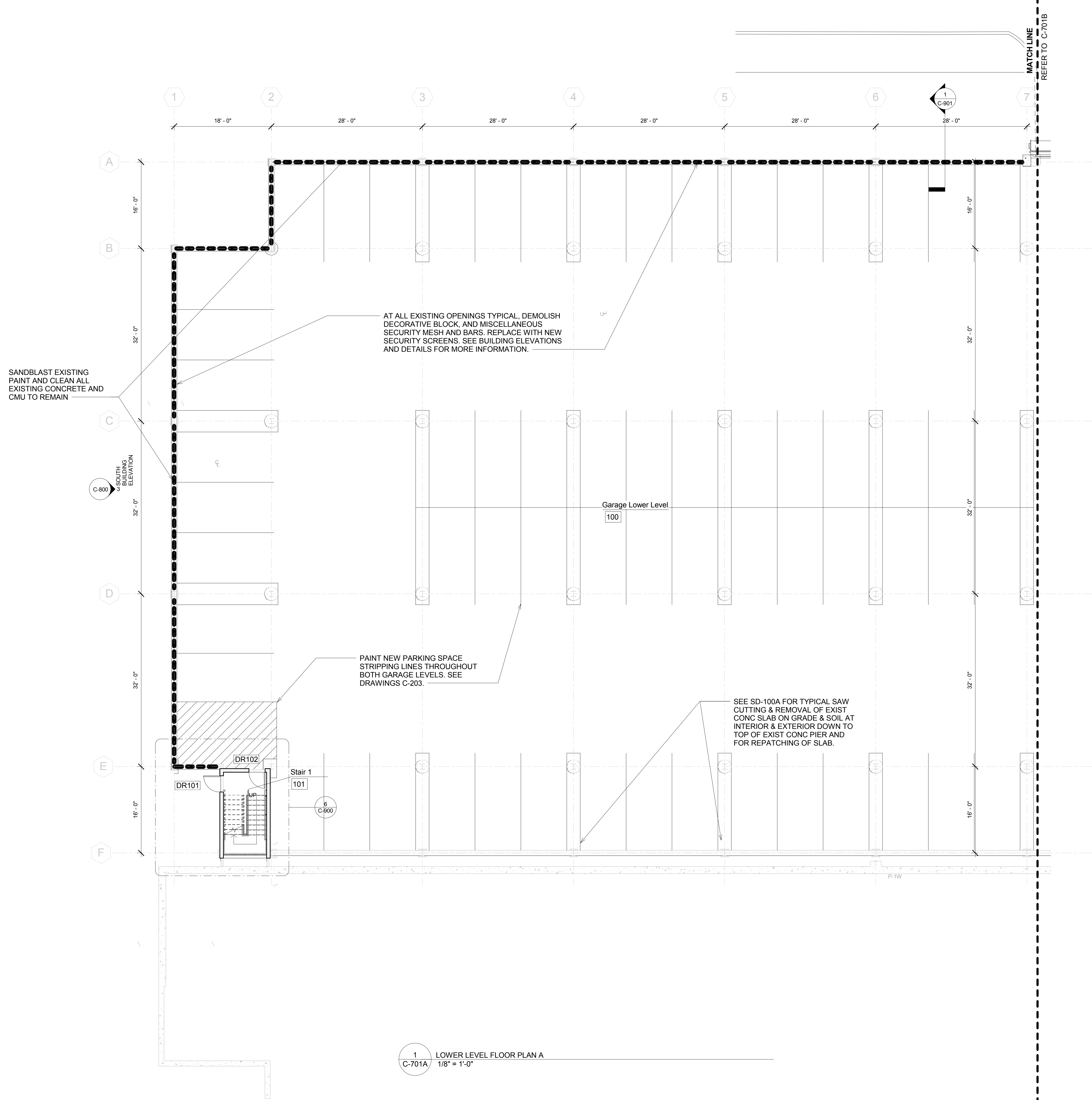
4 TYPICAL NEW PAVEMENT CROSS SECTION
C-604 NOT TO SCALE

ALL SPECS FROM CTDOT FORM 817

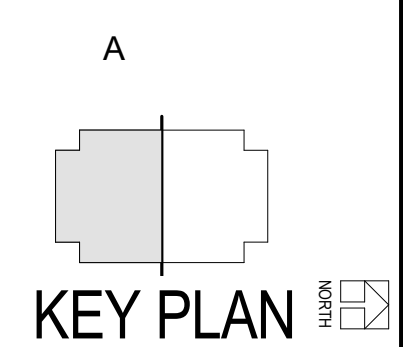
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REVISIONS					
mark	date	description	drawing prepared by	date	scale
			BVH integrated services	12/01/2017	AS NOTED
project			drawing no.		
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			MCC, JDO approved by MLJ drawing no.		
CAD no. 211512			project no. BI-MH-121		
			C-604		



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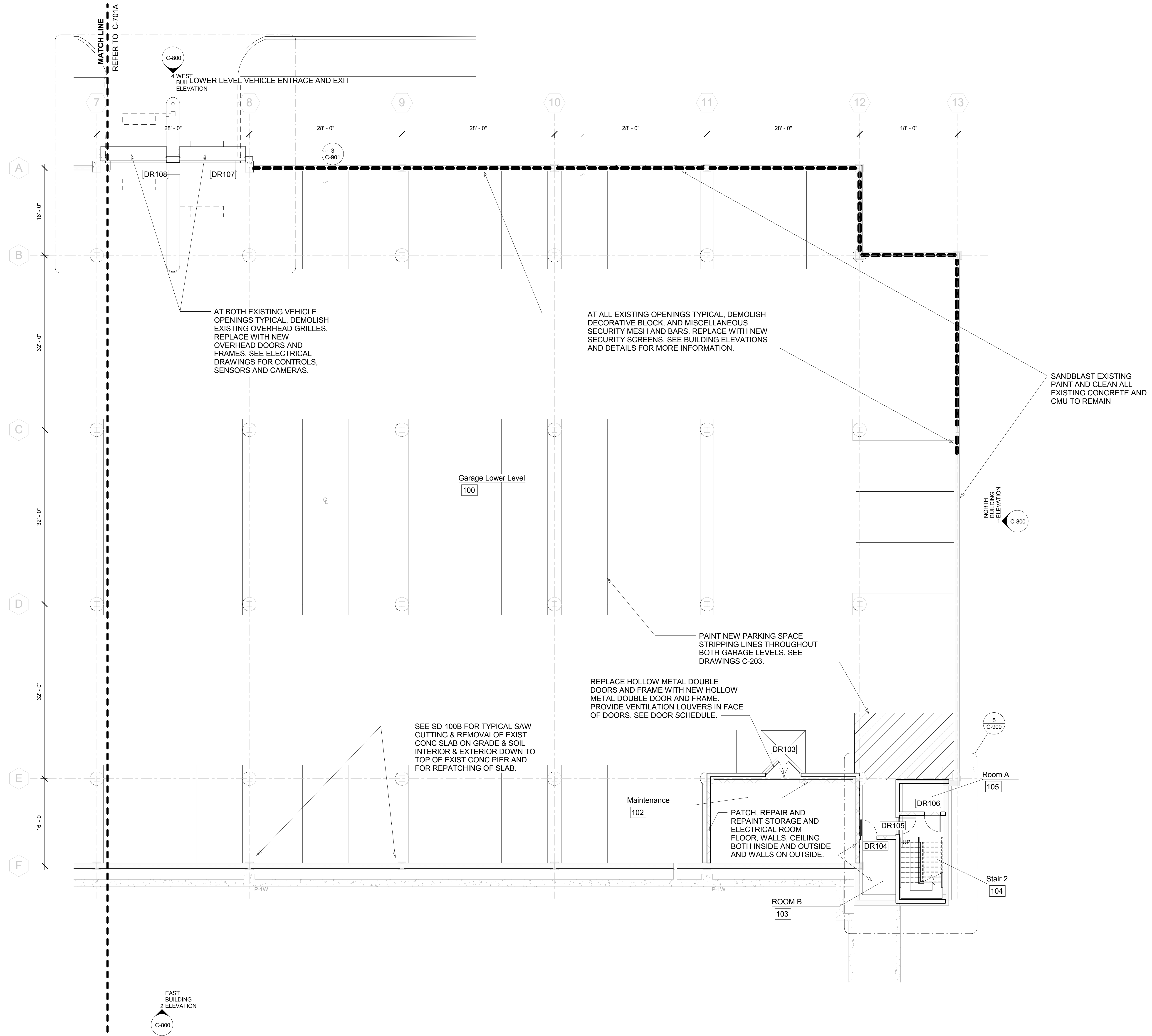
1 LOWER LEVEL FLOOR PLAN A
C-701A
1/8" = 1'-0"



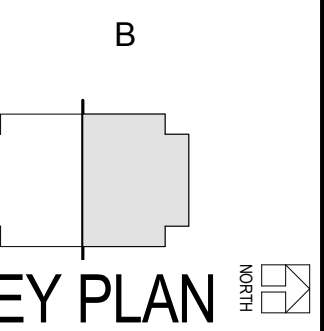
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REVISIONS			drawing prepared by integrated services		
mark	date	description	date 12-1-2017		
			scale 1/8" = 1'-0"		
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			drawn by JIS		
CAD no. ARCH R16.rvt			approved by MLI		
project no. BLMH-121			drawing no. C-701A		



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1 LOWER LEVEL FLOOR PLAN B
C-701B 1/8" = 1'-0"



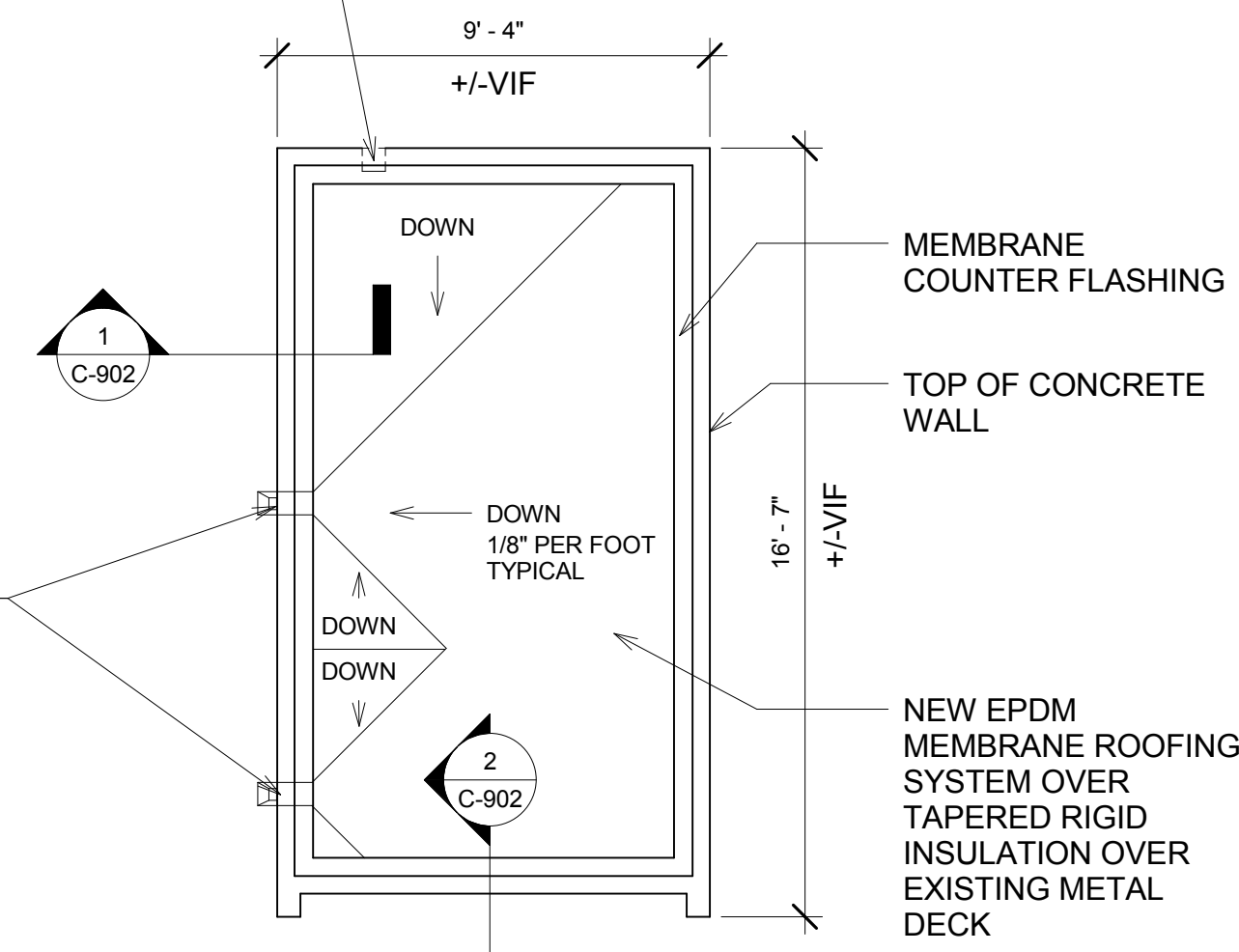
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mark	date	description	
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project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		drawn by JES	approved by MLJ
CAD no. ARCH R16.rvt	project no. BLMH-121	drawing no. C-701B	



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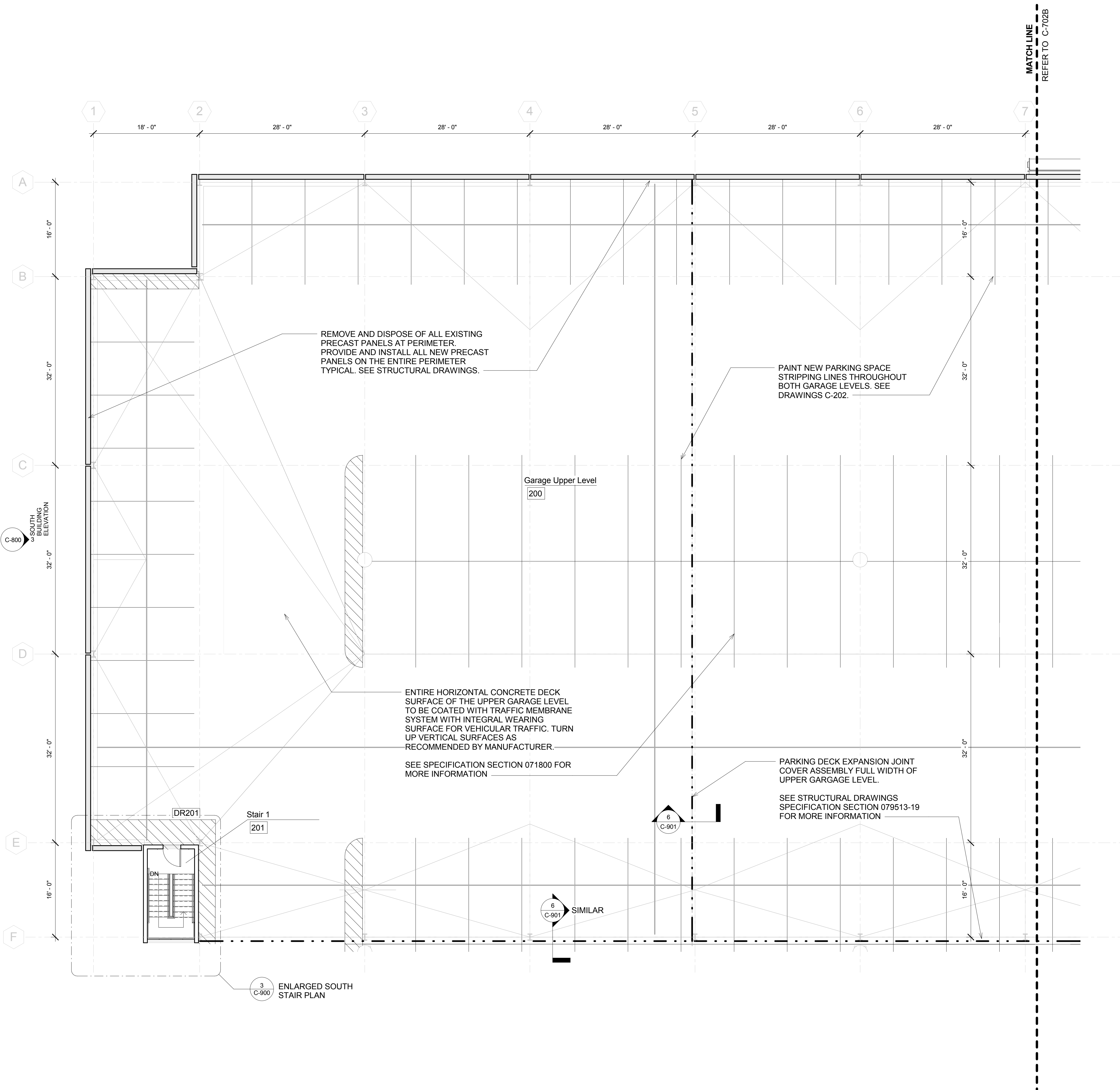
AT EXISTING SCUPPER TO BE REMOVED AND INFILLED:
- PROVIDE (2) - 5" LONG EPOXY COATED #5 REINFORCING BARS. DRILL AND ADHESIVELY ATTACH TO EACH VERTICAL FACE OF THE EXISTING CONCRETE WALL PANEL WITH 3" EMBEDMENT. LOCATE BAR AT MID WIDTH AND DEPTH.
- INFILL WITH CAST IN PLACE AIR ENTRAINED CONCRETE. SEE SPECIFICATIONS. FINISH TO MATCH EXISTING ADJACENT.

SAWCUT CONCRETE TO CREATE NEW SCUPPER LOCATION:
- LOCATE ALL REINFORCING IN EXISTING PRECAST CONCRETE WALL PANEL. DO NOT CUT EXISTING REINFORCING. IF EXISTING REINFORCING IS FOUND TO BE CUT, PROVIDE ZINC RICH TOUCH UP PAINT TO REINFORCING.
- SEE ALSO DETAIL 11/C-902

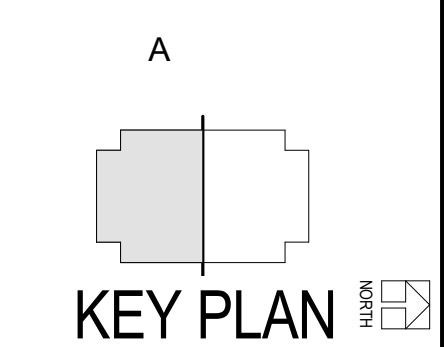


2 Roof Plan - Stair 1
C-702A
1/4" = 1'-0"

3 ENLARGED SOUTH STAIR PLAN
C-900

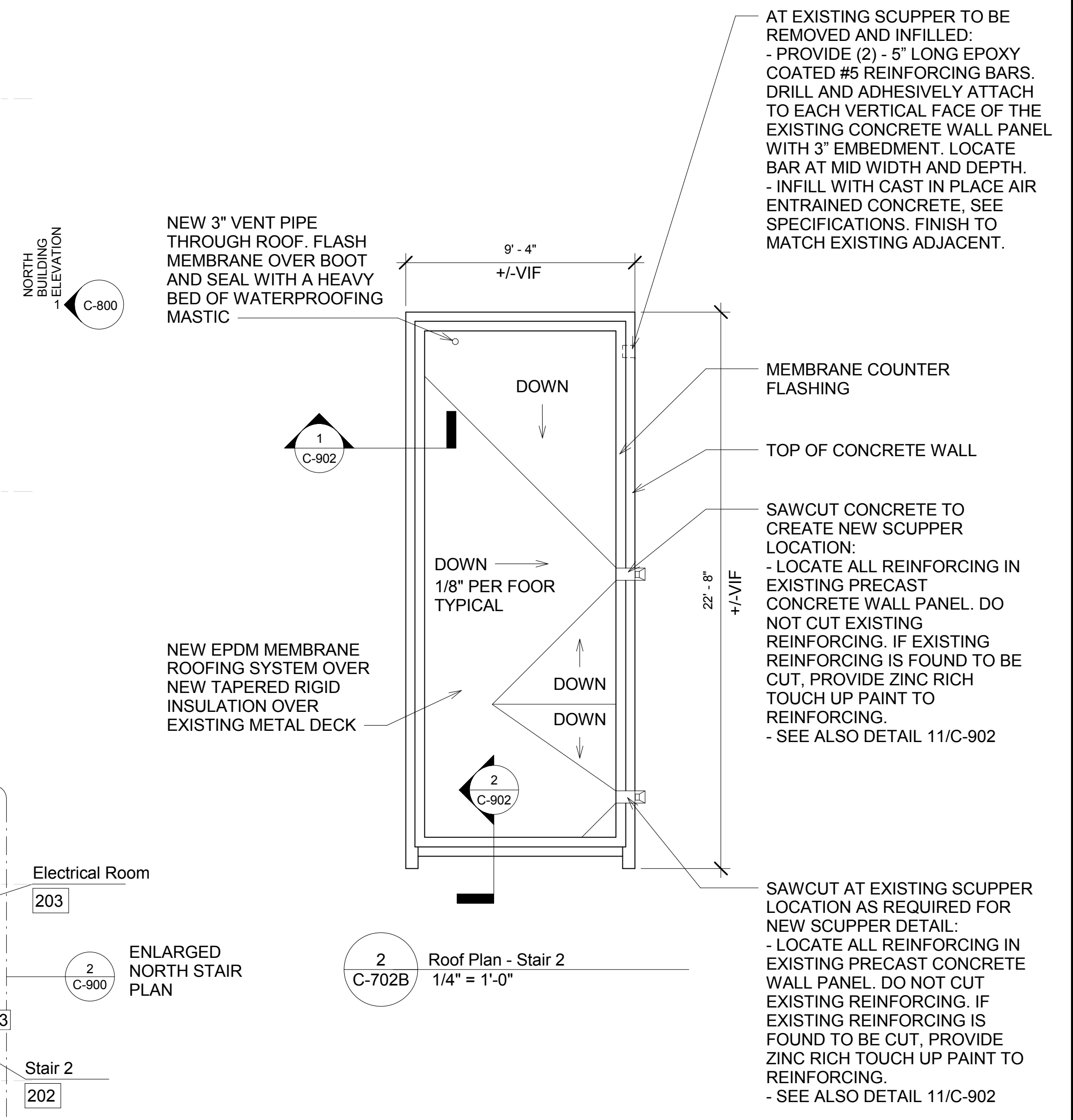
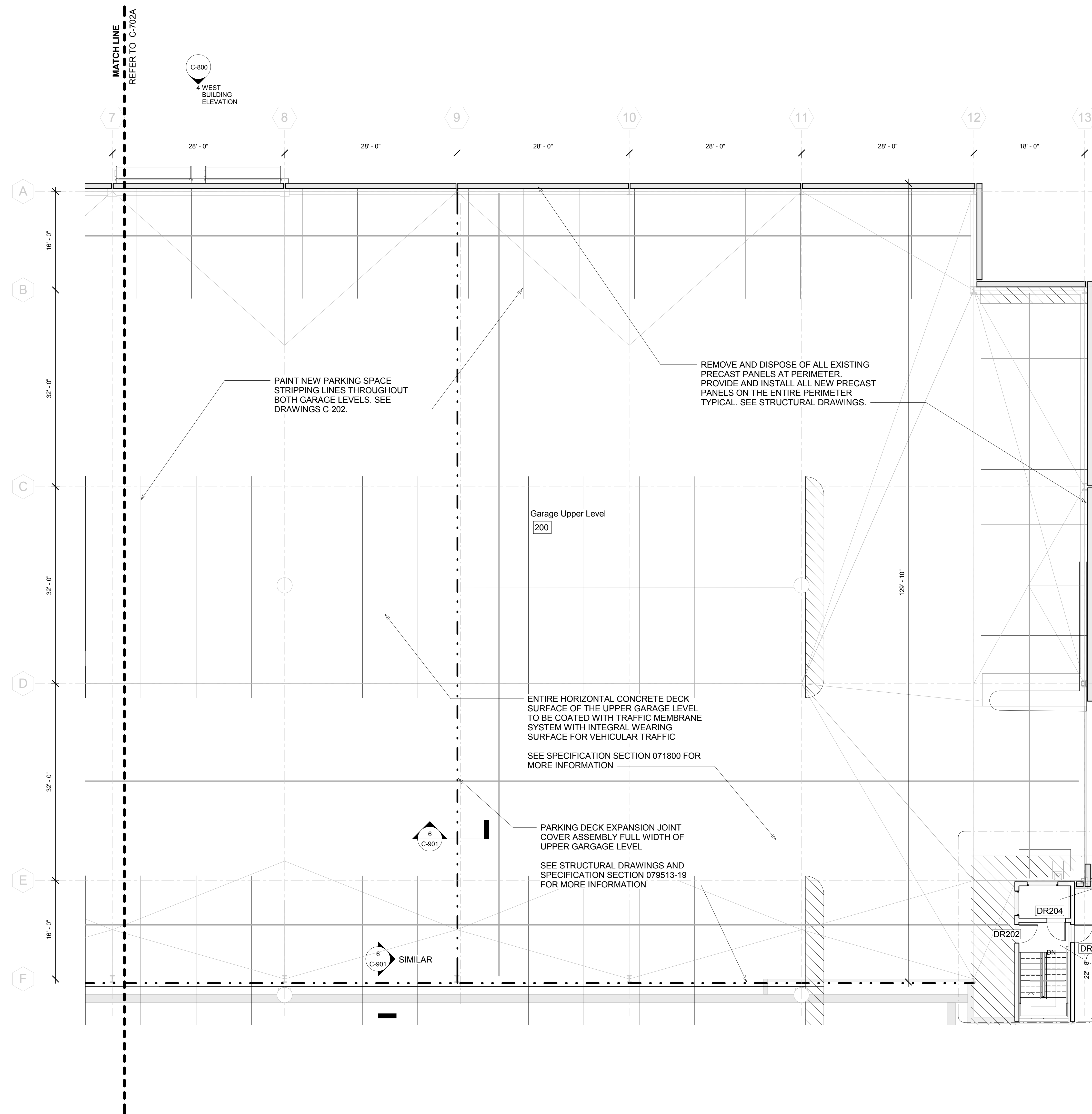


1 UPPER LEVEL FLOOR PLAN A
C-702A
1/8" = 1'-0"

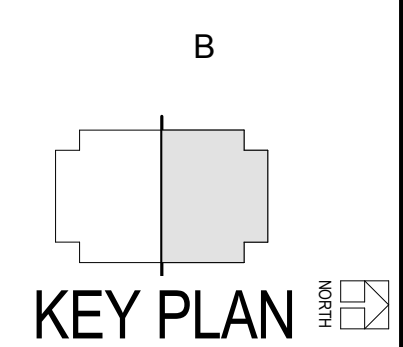


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REVISIONS		drawing prepared by	date 12-1-2017
mark	date	description	scale As indicated
			drawn by JES
			approved by MLI
			drawing no. C-702A
CAD no. ARCH R16.rvt	project no. BLMH-121		



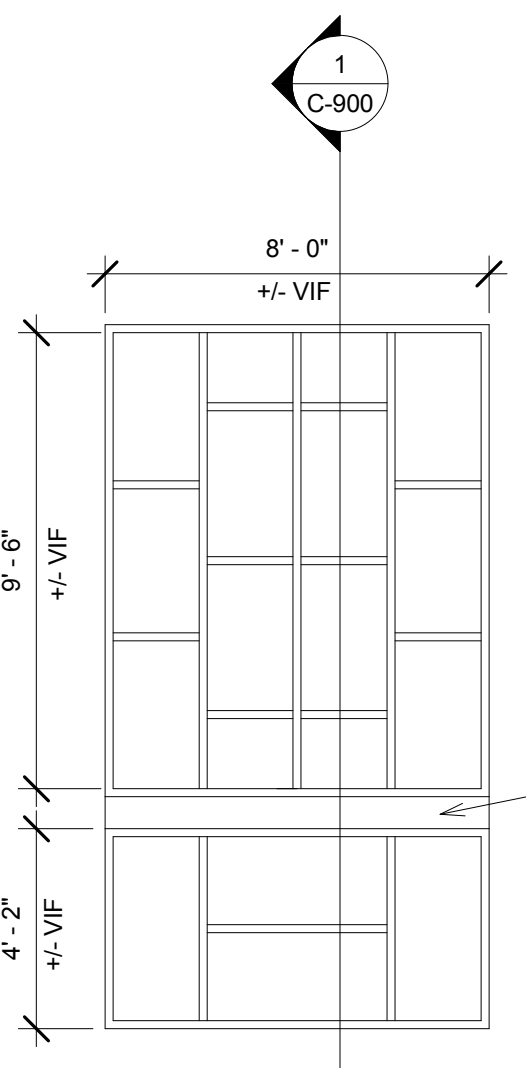


1 UPPER LEVEL FLOOR PLAN B
C-702B 1/8" = 1'-0"

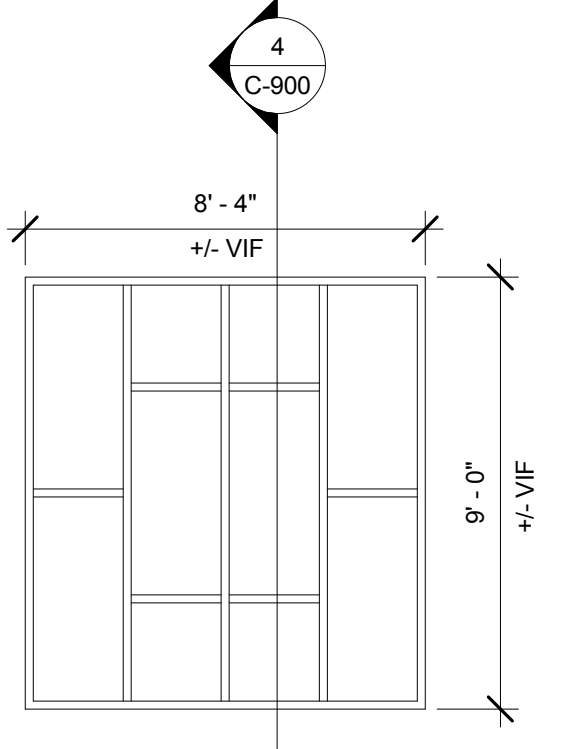


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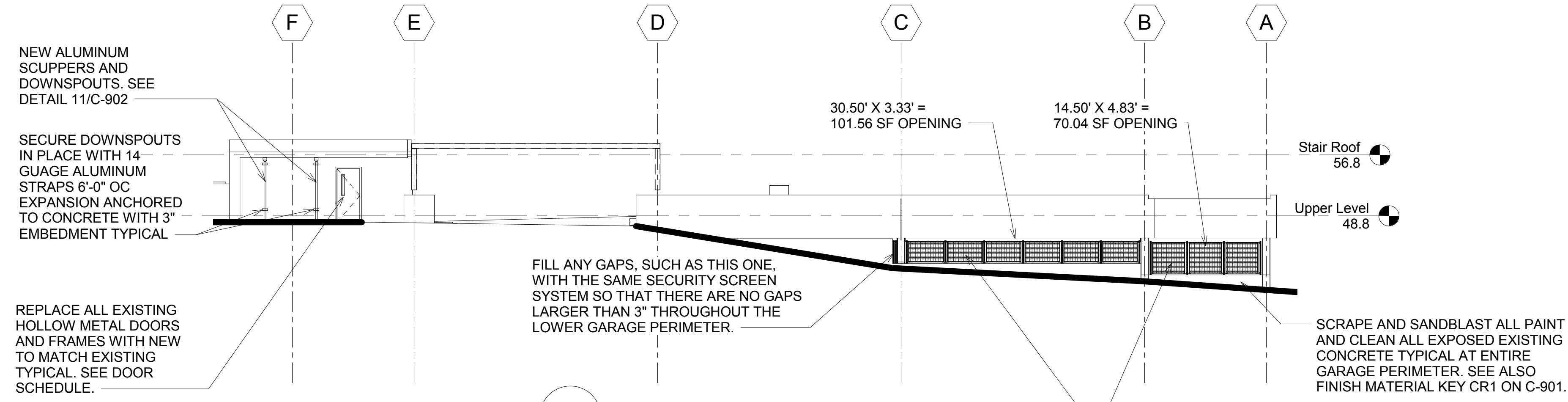


6 STAIR 1 WINDOW ELEVATION
C-800 1/4" = 1'-0"

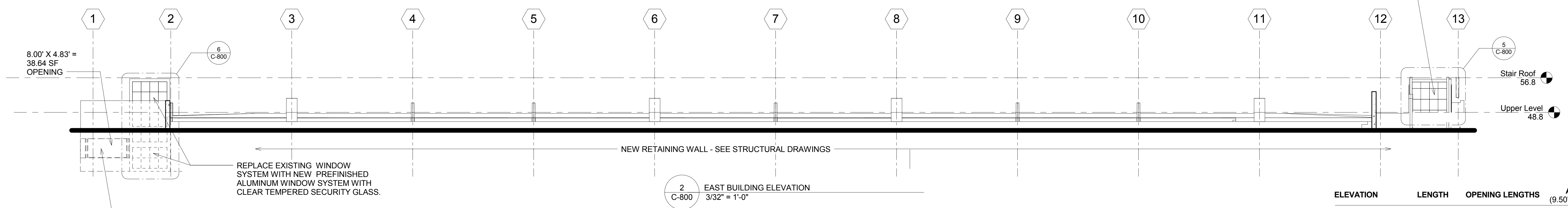


5 STAIR 2 WINDOW ELEVATION
C-800 1/4" = 1'-0"

NOTE: ALL OPENING DIMENSIONS INDICATED ON THE ELEVATIONS ARE FOR NATURAL VENTILATION CALCULATIONS. FOR CONSTRUCTION WORK, ALL DIMENSIONS MUST BE V.I.F.



1 NORTH BUILDING ELEVATION
C-800 3/32" = 1'-0"



2 EAST BUILDING ELEVATION
C-800 3/32" = 1'-0"

ELEVATION	LENGTH	OPENING LENGTHS	AREA (9.50' HEIGHT)	OPENING AREAS
NORTH	127.00 LF	45.00 LF	1,206.50 SF	171.60 SF
EAST	315.00 LF	8.00 LF	2,992.50 SF	38.64 SF
SOUTH	127.00 LF	106.00 LF	1,206.50 SF	512.00 SF
WEST	315.00 LF	295.50 LF	2,992.50 SF	1,511.32 SF
TOTALS =	884.00 SF	454.50 LF	8,398.00 SF	2,233.56 SF

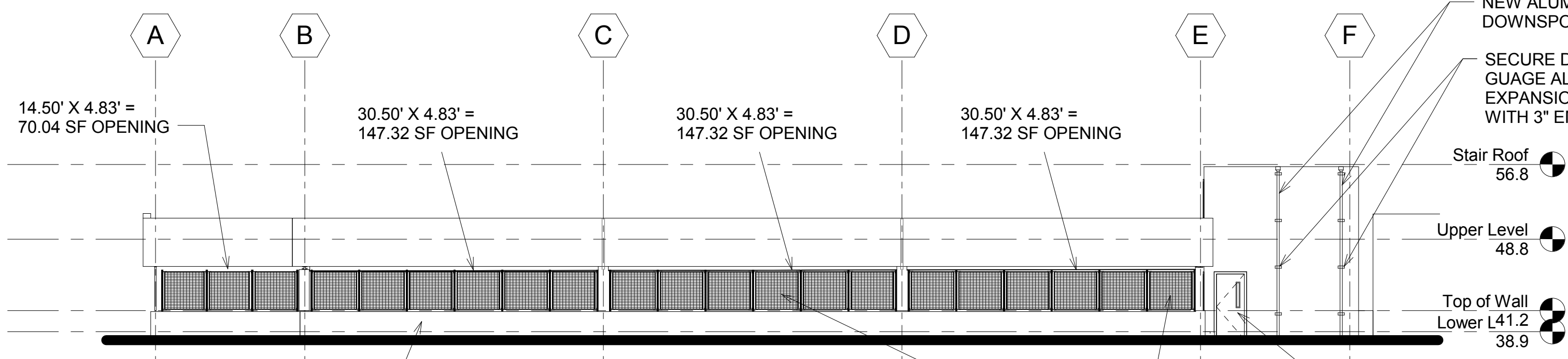
OPEN PERIMETER
454.50 LF / 884.00 LF = 51%
51% > 40% REQUIRED - COMPLIES

OPEN AREA
2,233.56 SF / 8,398.00 SF = 27%
27% > 20% REQUIRED - COMPLIES

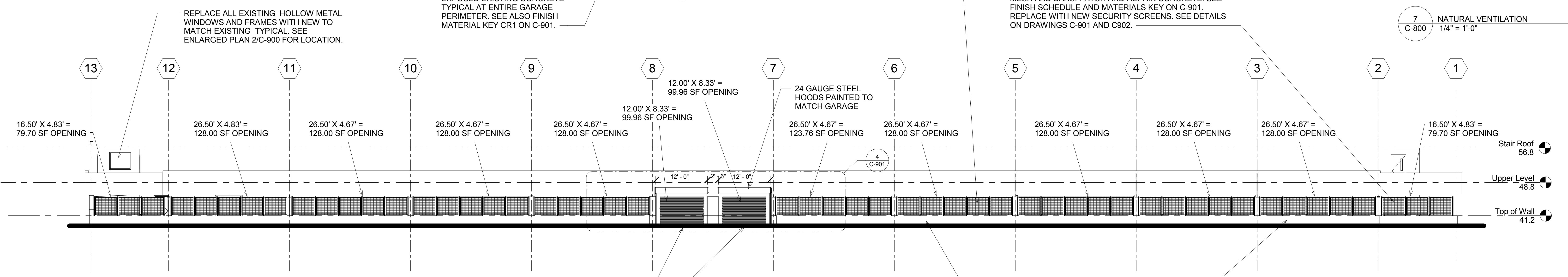
SECURITY SCREEN
11% REDUCTION IN LENGTH
454.50 LF X .89% = 404.50 LF
404.50 LF / 884.00 LF = 46%
46% > 40% - OPEN PERIMETER COMPLIES

4" TOP OF SCREENWALL OPENING
NO IMPACT - OPEN PERIMETER COMPLIES
7% INCREASE IN AREA
1,987.87 SF X 1.07% = 2,127.02 SF
2,127.02 SF / 8,398.00 SF = 25%
25% > 20% - OPEN AREA COMPLIES

NUMBER OF SIDES WITH OPENINGS
OPENINGS ON 3 SIDES > 2 SIDES REQUIRED - COMPLIES



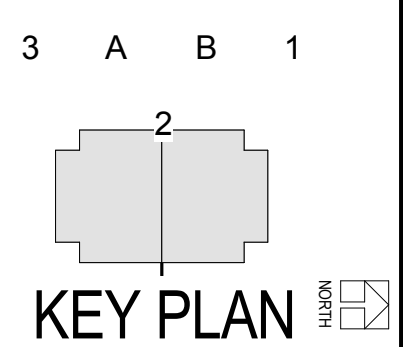
3 SOUTH BUILDING ELEVATION
C-800 3/32" = 1'-0"



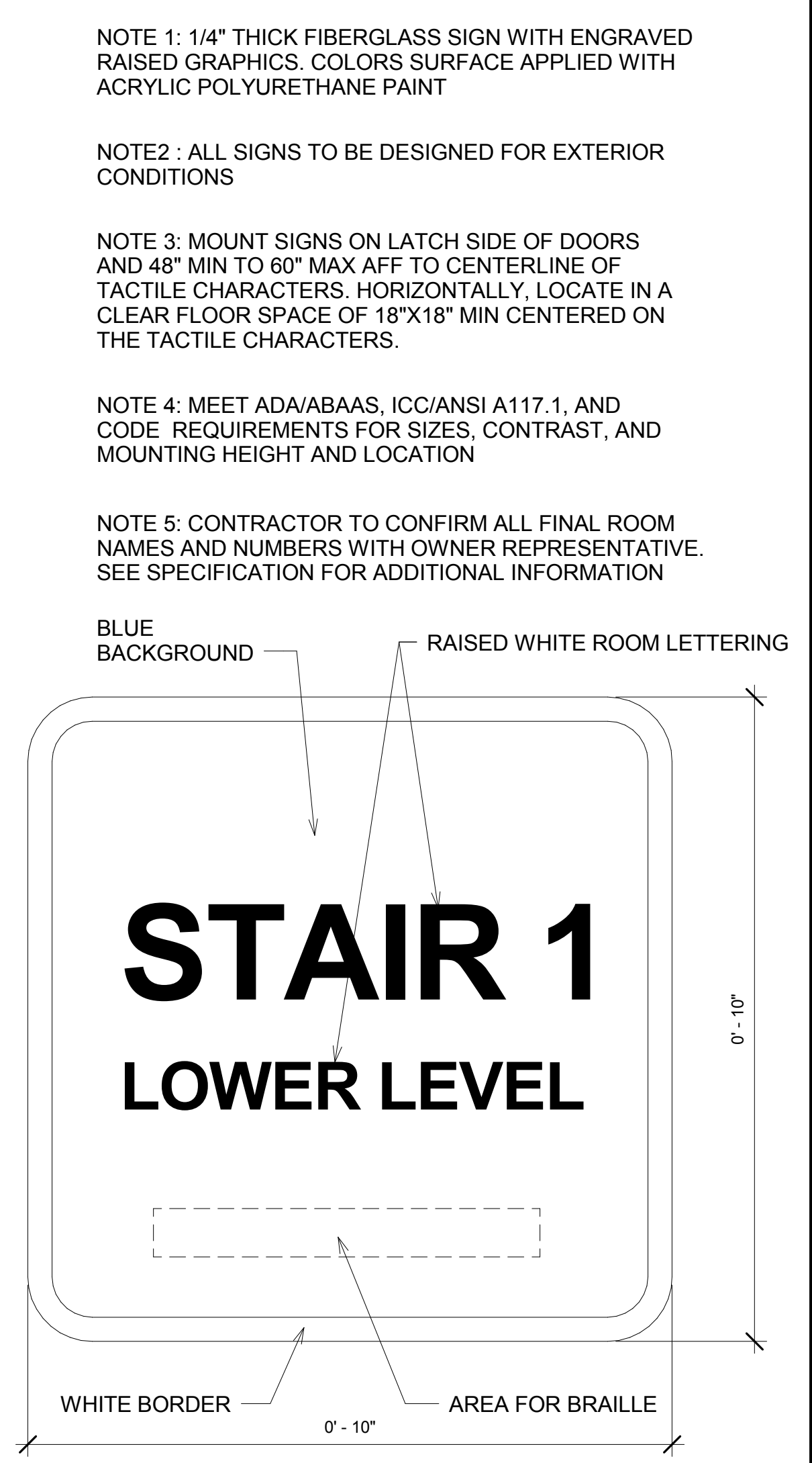
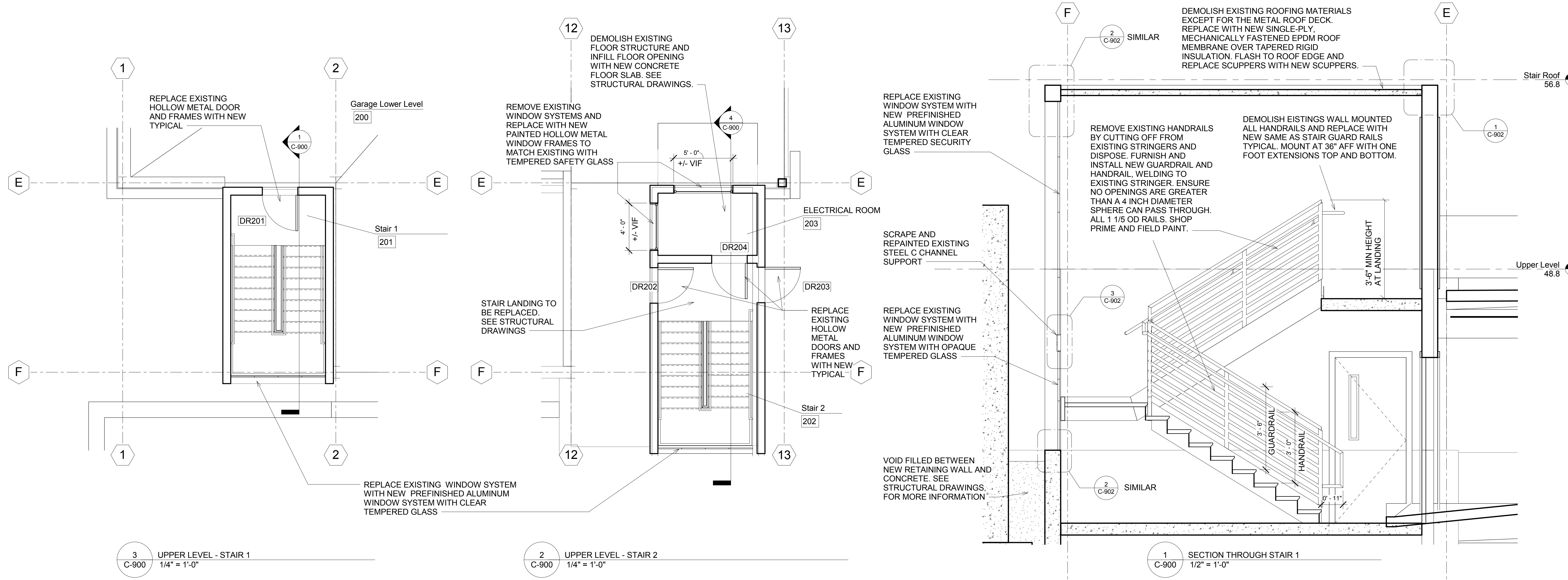
4 WEST BUILDING ELEVATION
C-800 3/32" = 1'-0"

7 NATURAL VENTILATION
C-800 1/4" = 1'-0"

ELEVATION NUMBER ON THIS SHEET TYP.



drawing title BUILDING ELEVATIONS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	date 12-1-2017
mark	date	description	scale As Indicated
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT		approved by MLI	drawn by JES
CAD no. ARCH R16.rvt		project no. BLMH-121	drawing no. C-800



SIGN SCHEDULE

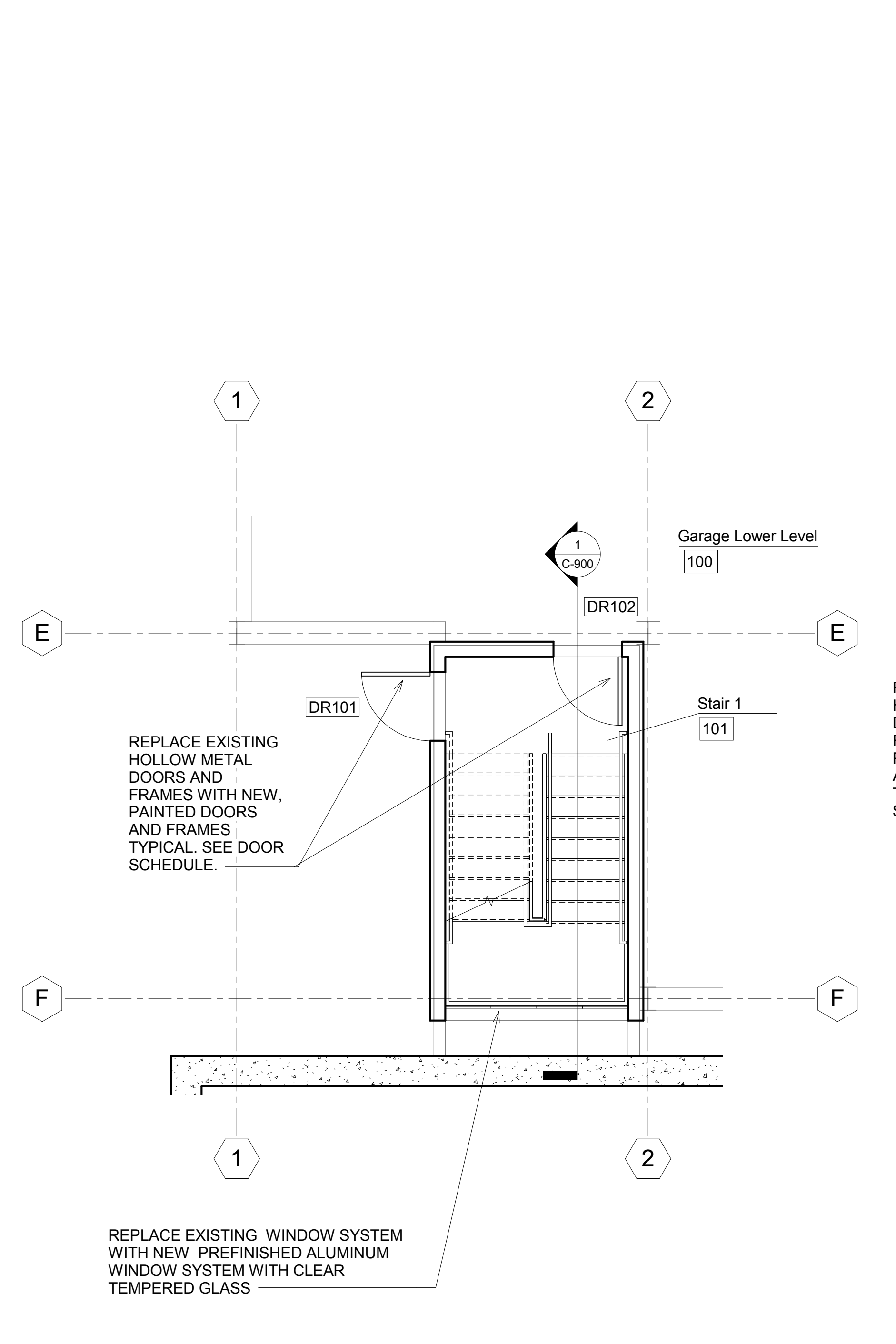
- STAIR 1 LOWER LEVEL
- STAIR 2 LOWER LEVEL
- MAINTENANCE
- ELECTRICAL
- ROOM A
- STAIR 1 UPPER LEVEL
- STAIR 2 UPPER LEVEL
- ROOM B
- MOTORCYCLE PARKING ONLY
- MOTORCYCLE PARKING ONLY
- MOTORCYCLE PARKING ONLY
- MOTORCYCLE PARKING ONLY

7 SIGNAGE DETAIL
C-900 6" = 1'-0"

NOTE 1: AT STAIRS 1 AND 2, AT BOTH LEVELS, BOTH INSIDE AND OUTSIDE, SCRAPE AND SANDBLAST ALL SURFACES - ALL EXISTING METAL STAIR COMPONENTS TO REMAIN. CONCRETE LANDINGS AND RISERS/TREADS (INCLUDING UNDERSIDE OF SURFACES), CONCRETE FLOORS, UNDERSIDE OF METAL ROOF DECK, AND CONCRETE WALLS, ETC. SEE FINISH SCHEDULE AND MATERIAL KEY ON C-901.

NOTE 2: SELECTED STAIR TREADS TO BE REPLACED. SEE STRUCTURAL DRAWINGS.

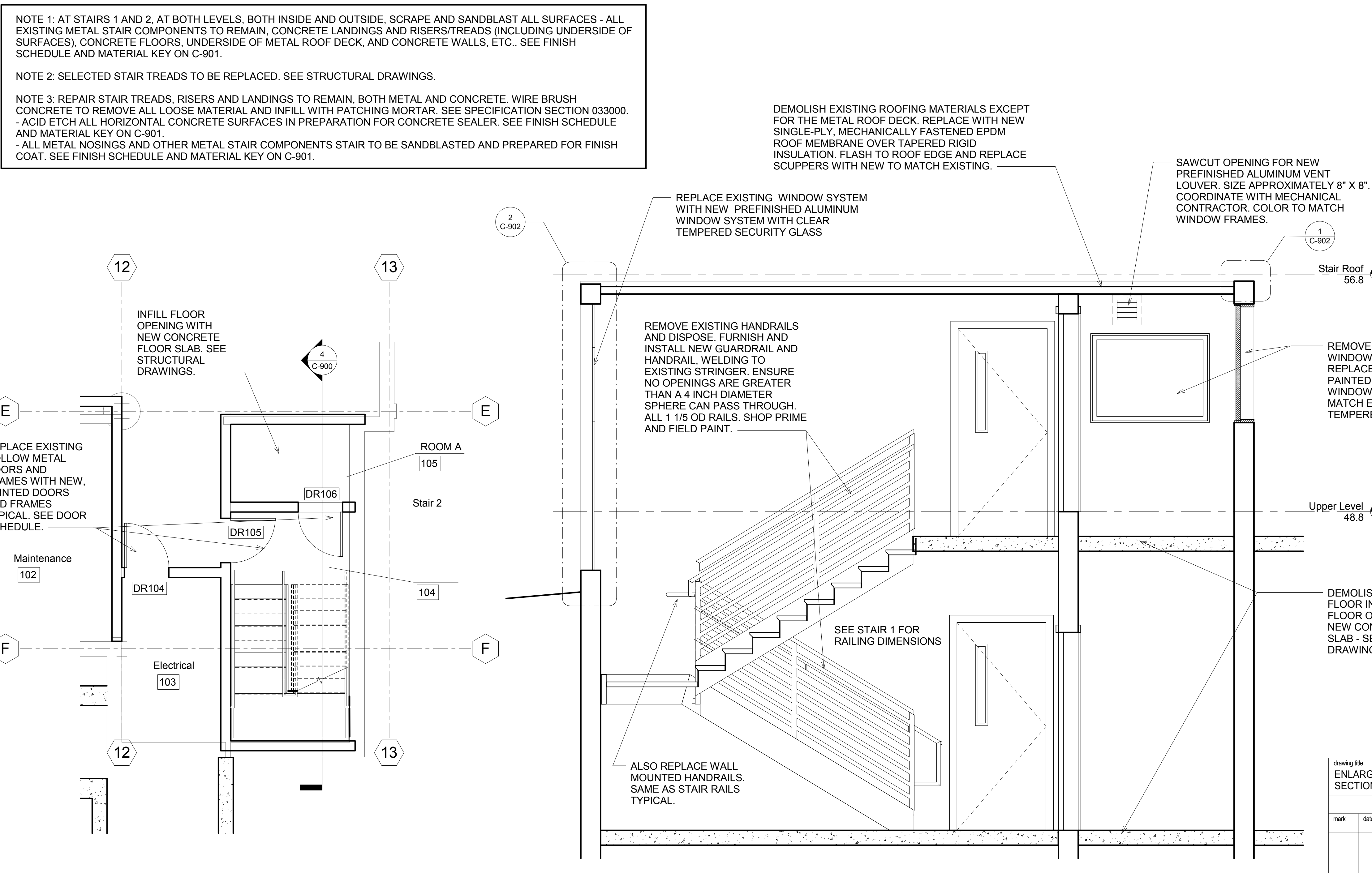
NOTE 3: REPAIR STAIR TREADS, RISERS AND LANDINGS TO REMAIN, BOTH METAL AND CONCRETE. WIRE BRUSH CONCRETE TO REMOVE ALL LOOSE MATERIAL AND INFILL WITH PATCHING MORTAR. SEE SPECIFICATION SECTION 033000. - ACID ETCH ALL HORIZONTAL CONCRETE SURFACES IN PREPARATION FOR CONCRETE SEALER. SEE FINISH SCHEDULE AND MATERIAL KEY ON C-901. - ALL METAL NOSINGS AND OTHER METAL STAIR COMPONENTS STAIR TO BE SANDBLASTED AND PREPARED FOR FINISH COAT. SEE FINISH SCHEDULE AND MATERIAL KEY ON C-901.



3 UPPER LEVEL - STAIR 1
C-900 1/4" = 1'-0"

2 UPPER LEVEL - STAIR 2
C-900 1/4" = 1'-0"

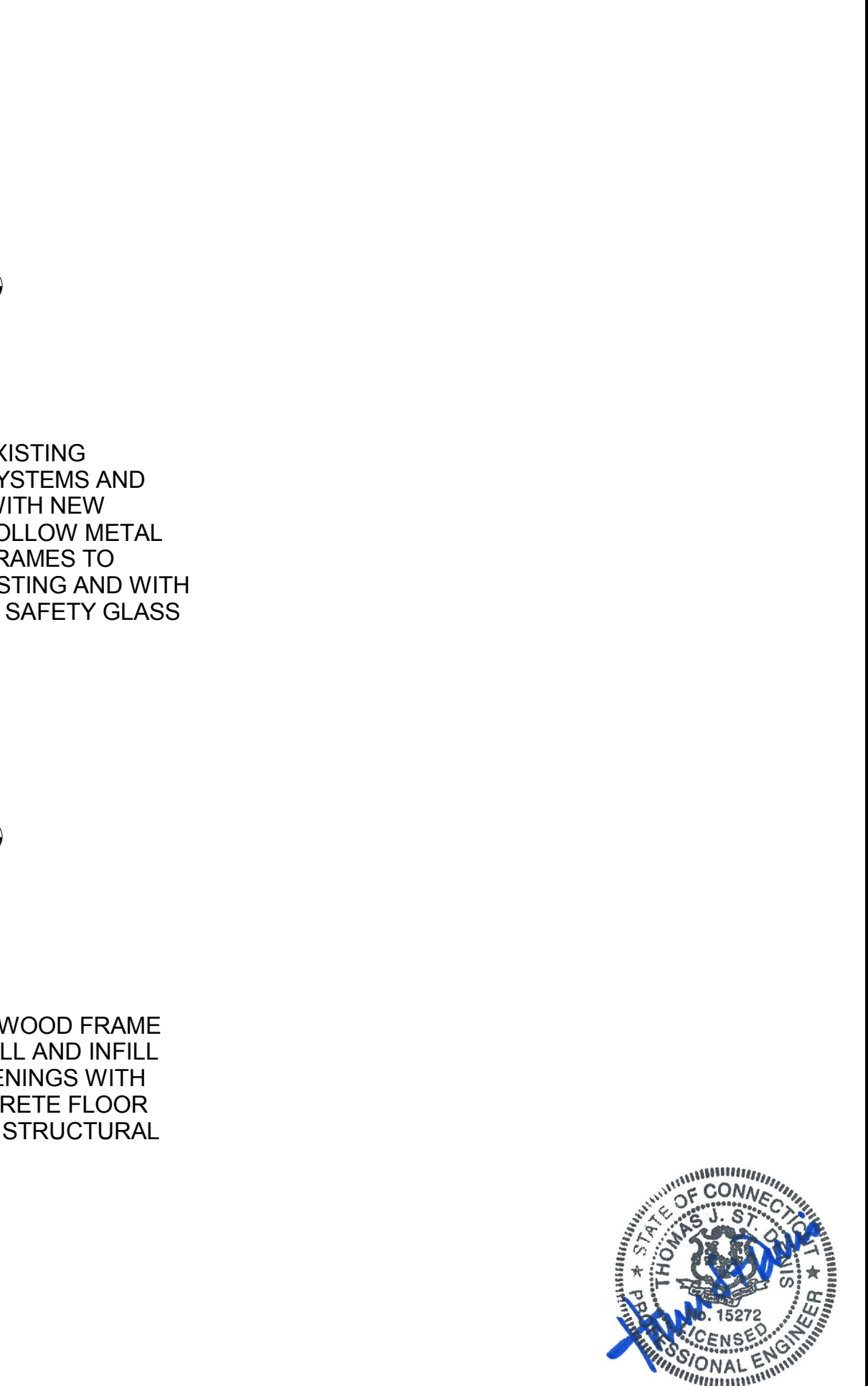
6 LOWER LEVEL - STAIR 1
C-900 1/4" = 1'-0"



2 LOWER LEVEL - STAIR 2
C-900 1/4" = 1'-0"

5 LOWER LEVEL - STAIR 2
C-900 1/4" = 1'-0"

4 SECTION THROUGH STAIR 2
C-900 1/2" = 1'-0"



STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

REVISIONS

mark	date	description

drawing prepared by **BVH** integrated services
 90 Collins Road South
 Bloomfield, CT 06002
 Tel: (860) 236-5171
 www.bvh.com

date 12-1-2017
 scale As Indicated

project GBCMHC
 GBCMHC PARKING GARAGE REPAIRS
 1635 CENTRAL AVE., BRIDGEPORT, CT

drawn by JB
 approved by MLI
 drawing no. **C-900**

CAD no. ARCH R16.rvt
 project no. BL-MH-121

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FINISH SCHEDULE

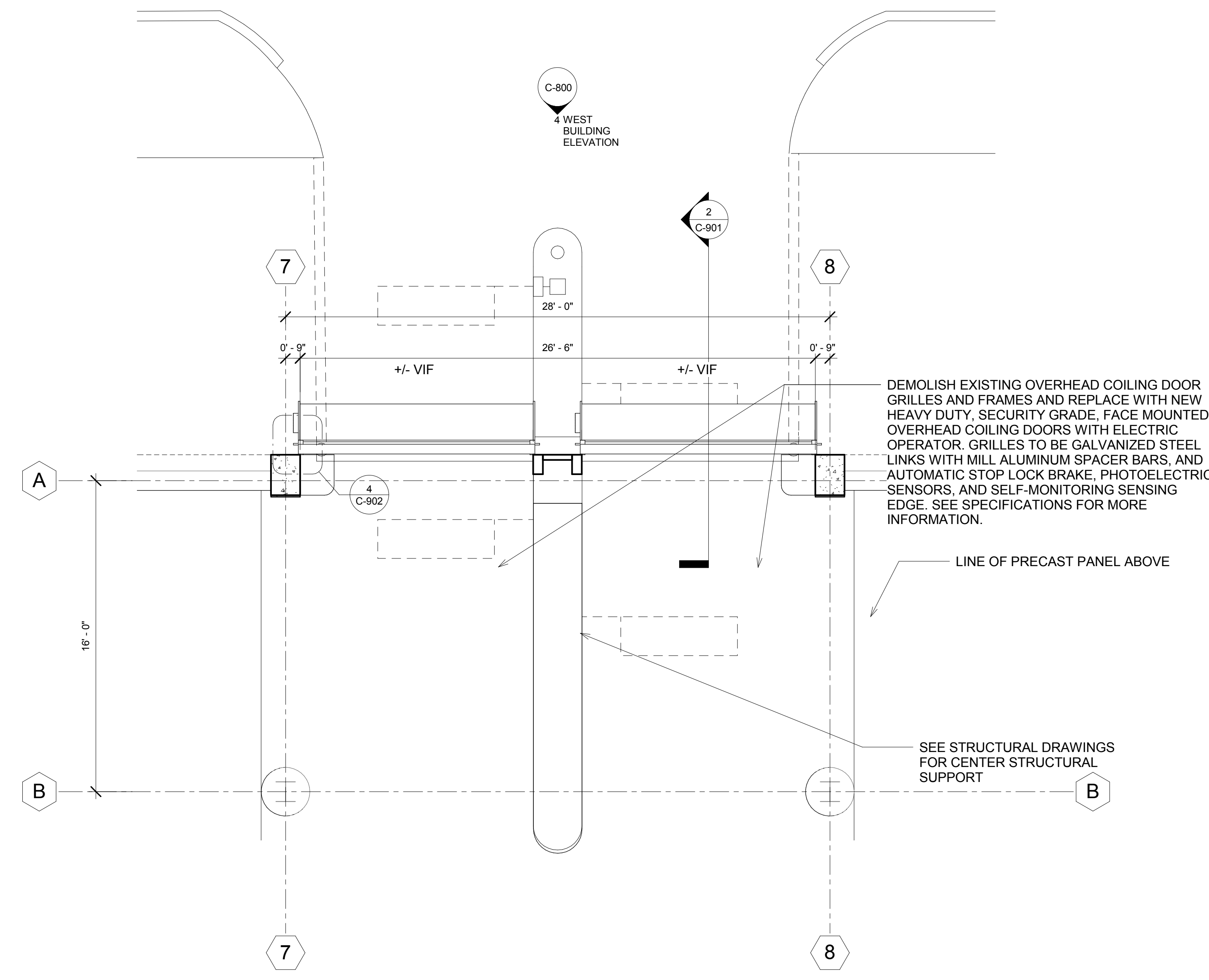
ROOM # - NAME	FLOOR	BASE	WALLS				DOOR	FRAME	CEILING	NOTES
			NORTH	EAST	SOUTH	WEST				
100 - GARAGE LOWER LEVEL	TC1	N/A	P1	P1	P1	P1	P2	P2	N/A	"WALLS" APPLIES TO EXTERIOR SIDES OF STAIRS AND OTHER ENCLOSED ROOMS
101 - STAIR 1 (LOWER LEVEL)	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	CS1 INCLUDES ALL CONCRETE FLOORS, LANDINGS & TREADS P4 AT ALL STAIR METAL COMPONENTS AND RAILINGS
102 - MAINTENANCE	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	
103 - ROOM B	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	
104 - STAIR 2 (LOWER LEVEL)	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	CS1 INCLUDES ALL CONCRETE FLOORS, LANDINGS & TREADS P4 AT ALL STAIR METAL COMPONENTS AND RAILINGS
105 - ROOM A	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	
200 - GARAGE UPPER LEVEL	TC1	N/A	P1	P1	P1	P1	P2	P2	N/A	"WALLS" APPLIES TO EXTERIOR SIDES OF STAIRS AND OTHER ENCLOSED ROOMS
201 - STAIR 1 (UPPER LEVEL)	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	CS1 INCLUDES ALL CONCRETE FLOORS, LANDINGS & TREADS P4 AT ALL STAIR METAL COMPONENTS AND RAILINGS
202 - STAIR 2 (UPPER LEVEL)	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	CS1 INCLUDES ALL CONCRETE FLOORS, LANDINGS & TREADS P4 AT ALL STAIR METAL COMPONENTS AND RAILINGS
203 - ELECTRICAL ROOM	CS1	N/A	P1	P1	P1	P1	P2	P2	P3	

NOTE 1: ALL HOLLOW METAL WINDOW FRAMES TO BE P2
 NOTE 2: ALL SURFACES SCHEDULED TO BE REPAINTED ARE TO BE SCRAPED AND SANDBLASTED CLEAN, PATCHED AS REQUIRED, AND PREPPED FOR REPAINTING ACCORDING TO PRIMER MANUFACTURERS' RECOMMENDATIONS FOR COATING
 NOTE 3: ALL CONCRETE WALL CRACKS <1/2" TO BE CR1. THOROUGHLY CLEAN SURFACE WITH WIRE BRUSH TO REMOVE ALL LOOSE MATERIAL. FILL ALL HOLES AND CRACKS WITH EPOXY INJECTION SEALER CR1.
 NOTE 4: ALL SHALLOW POCKETS AND HONEYCOMBING CONCRETE WALL ARE TO BE SR1. THOROUGHLY CLEAN SURFACE WITH WIRE BRUSH TO REMOVE ALL LOOSE MATERIAL.

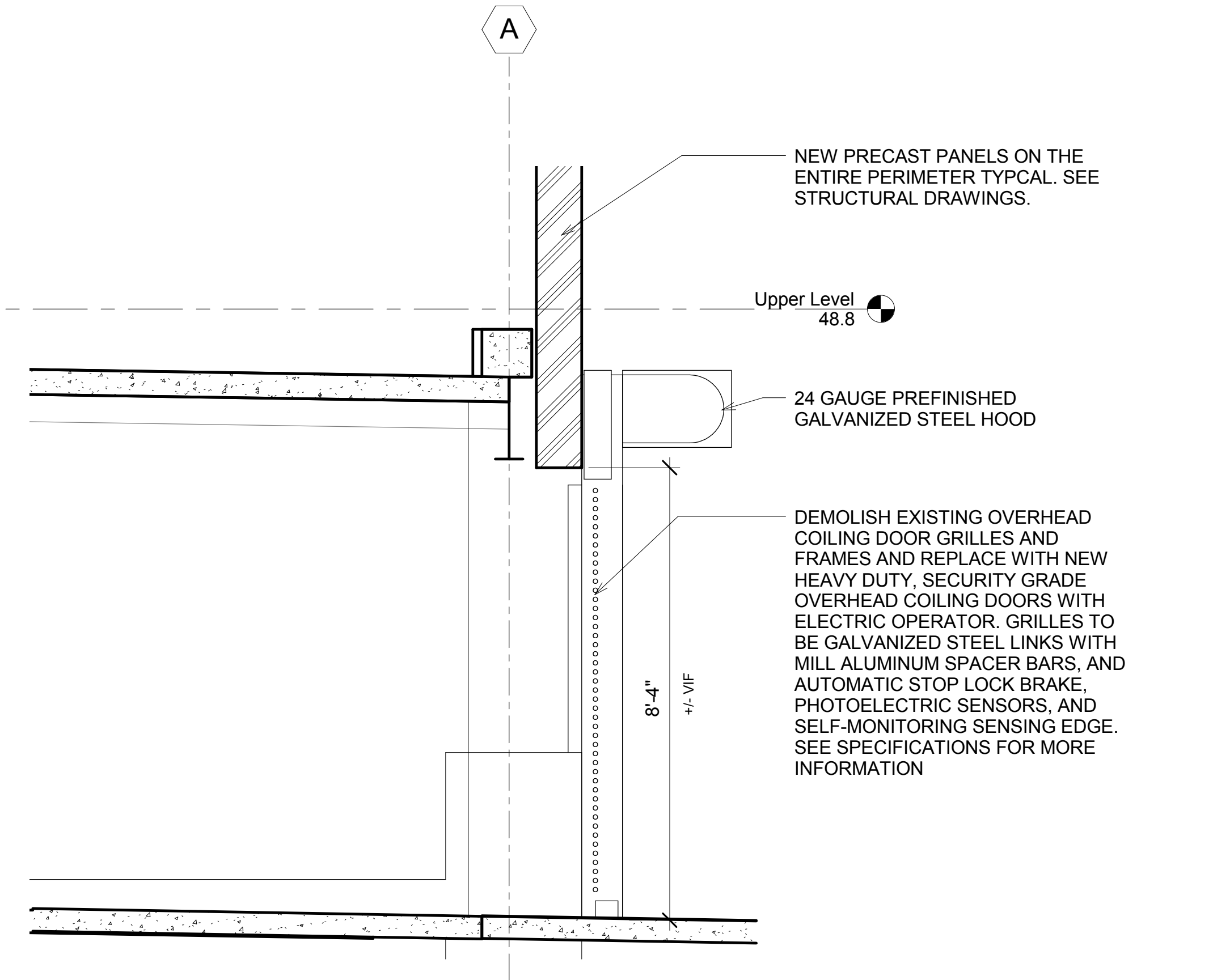
MATERIALS KEY

KEY	DESCRIPTION
TC1	TRAFFIC COATING - SEE SPECIFICATION SECTION 071800
CS1	CONCRETE SEALER - SEE SPECIFICATION SECTION 099113
P1	EPOXY PRIMER - 1 COAT EPOXY PAINT - 2 COATS - EGG SHELL - SEE SPECIFICATION SECTION 099113
P2	ALKYD PAINT - 2 COATS - SEMI-GLOSS - SEE SPECIFICATION SECTION 099113
P3	ALKYD PAINT - 2 COATS - SEMI-GLOSS - SEE SPECIFICATION SECTION 099113
P4	ALKYD PAINT - 2 COATS - SEMI-GLOSS - SEE SPECIFICATION SECTION 099113
CR1	CRACKS <1/32"-1/4" EPOXY INJECTION SEALER - SEE SPECIFICATION SECTION 033000 - CRACKS > 1/4" NOTIFY STRUCTURAL ENGINEER
SR1	PATCHING MORTAR FOR SHALLOW SURFACE POCKETS & HONEYCOMBING - SEE SPECIFICATION SECTION 033000

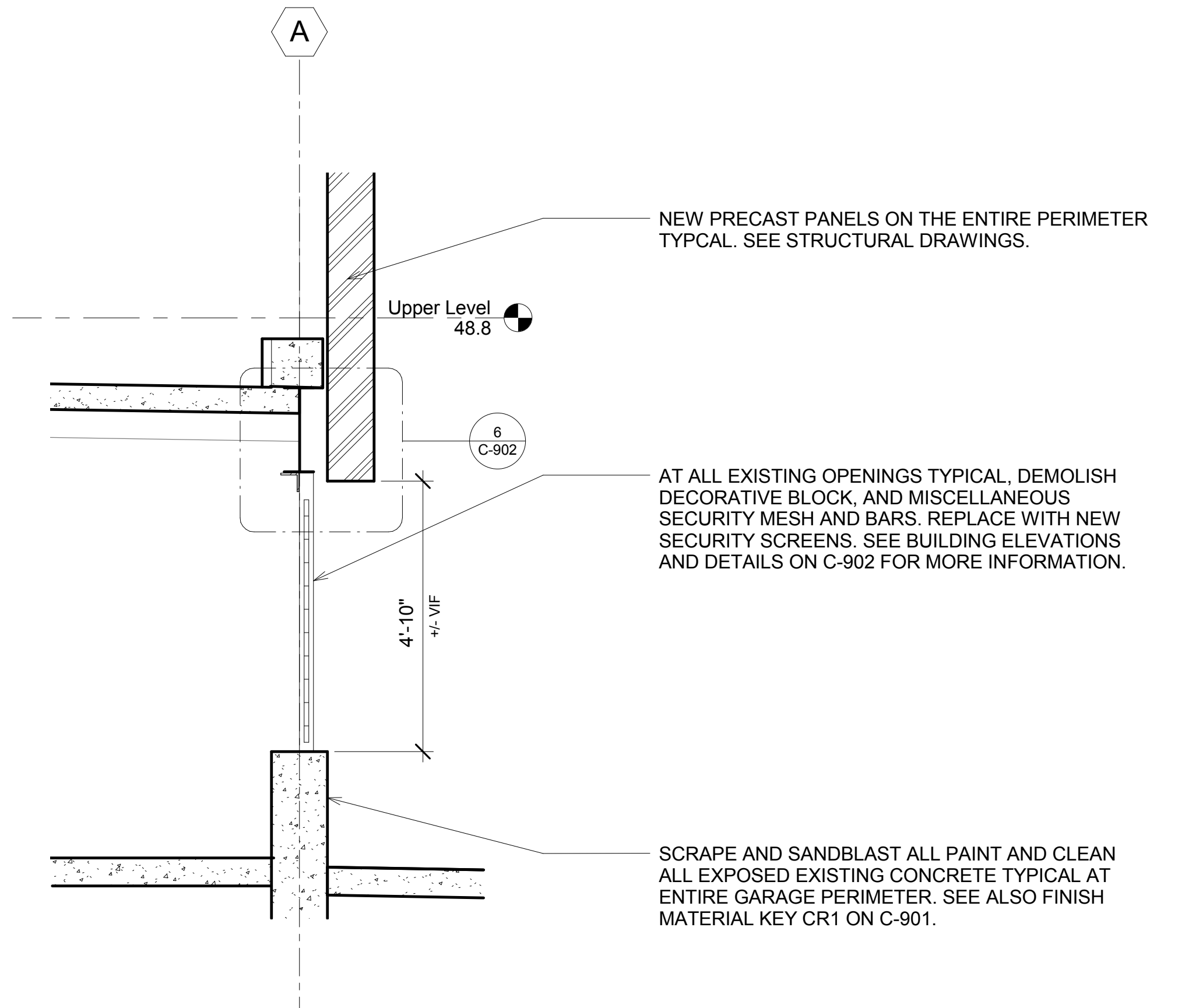
5 FINISH SCHEDULE & MATERIALS KEY
 C-901 1/2" = 1'-0"



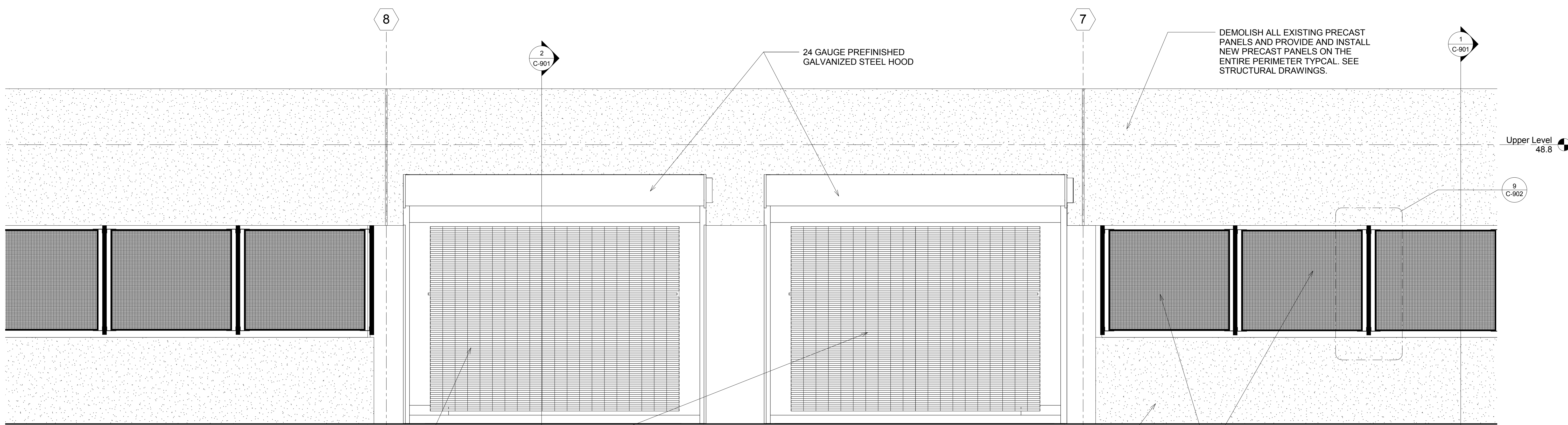
3 LOWER LEVEL - ENTRANCE
 C-901 1/4" = 1'-0"



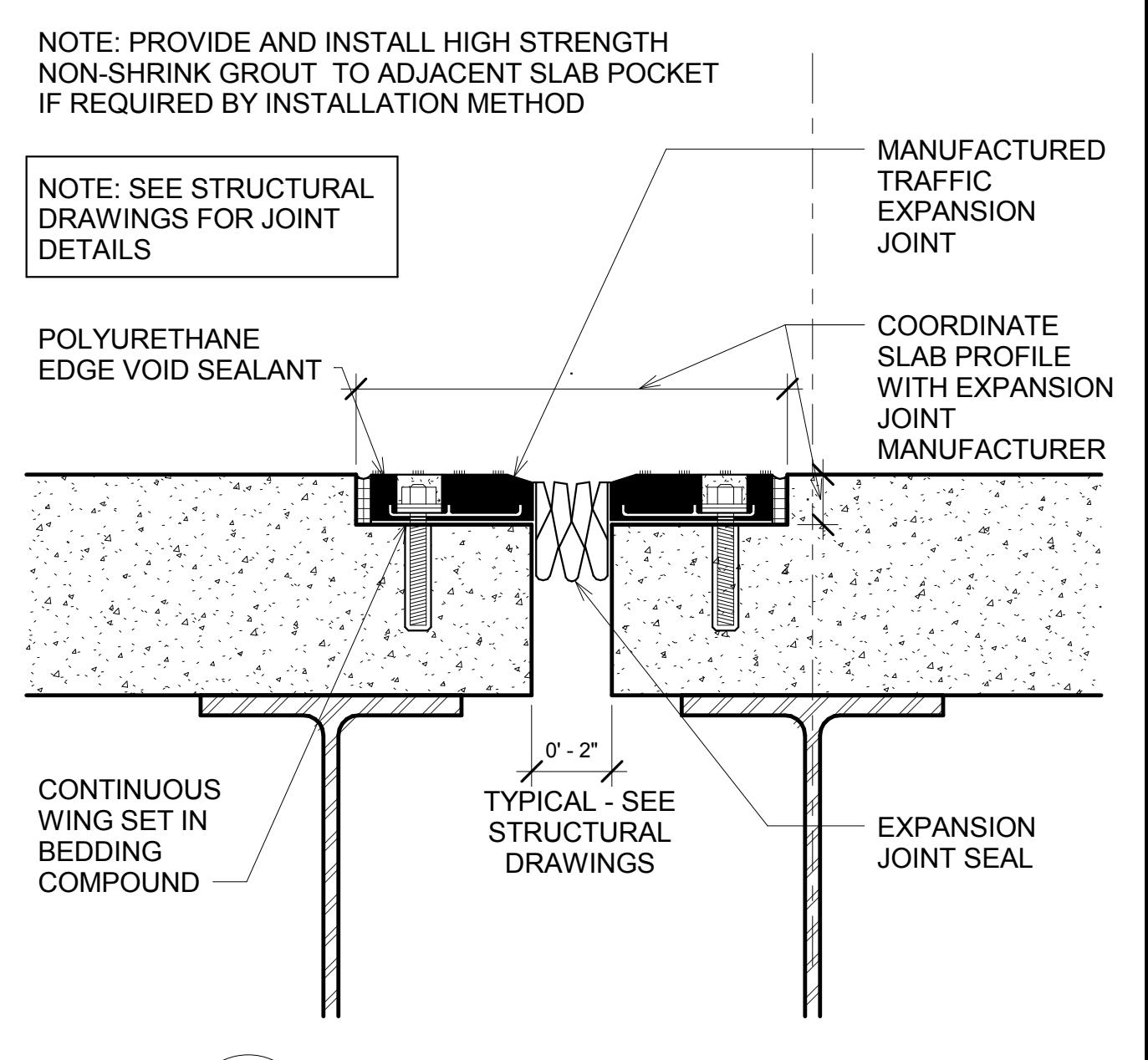
2 SECTION THROUGH LOWER LEVEL ENTRANCE
 C-901 1/2" = 1'-0"



1 WALL SECTION THROUGH SECURITY MESH
 C-901 1/2" = 1'-0"



4 ENLARGED ENTRANCE ELEVATION & SECURITY SCREENS
 C-901 1/2" = 1'-0"



6 EXPANSION JOINT DETAIL
 C-901 3" = 1'-0"

drawing title: ENLARGED FLOOR PLANS SECTIONS & DETAILS

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by: BVH integrated services

date: 12-1-2017

scale: As Indicated

project: GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT

drawn by: JPS

approved by: MLI

drawing no.: C-901

CAD no.: ARCH R16.rvt

project no.: BL-MH-121

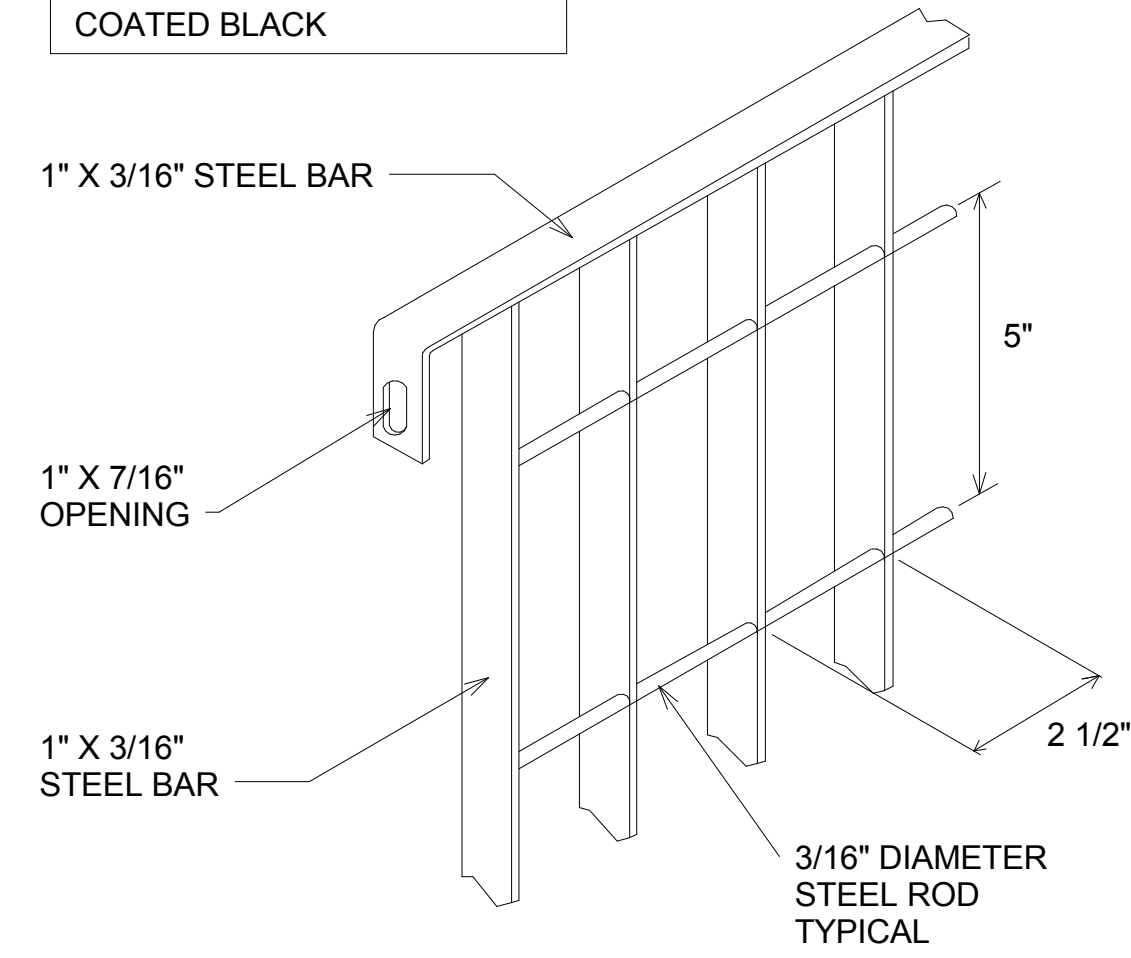
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DOOR SCHEDULE

Room Name / Number (Lock Side)	Door - All New					Frames - All New					Hardware	Remarks		
	Mark	Elevation Symbol	Size	Material	Label	Glazing	Sound Rated	Head	Jamb	Sill			Material	Label
Exterior	DR101	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	2	
Garage Lower Level 100	DR102	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	3	
Garage Lower Level 100	DR103	D	Match Existing	Hollow Metal	N/A	N/A	N/A	Existing	Existing	Existing	Hollow Metal	N/A	4	
Garage Lower Level 100	DR104	C	Match Existing	Hollow Metal	N/A	N/A	N/A	Existing	Existing	Existing	Hollow Metal	N/A	5	
Garage Lower Level 100	DR105	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	3	
Stair 2 104	DR106	A	Match Existing	Hollow Metal	B, 60 Minute	N/A	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	5	
Exterior	DR107	4 / C-901	Match Existing	Galv Steel	N/A	N/A	N/A	Existing	Existing	Existing	Galv Steel	N/A	N/A	Card reader access, Overhead Door - See Specification 087100
Exterior	DR108	4 / C-901	Match Existing	Galv Steel	N/A	N/A	N/A	Existing	Existing	Existing	Galv Steel	N/A	N/A	Card reader access, Overhead Door - See Specification 087100
Garage Upper Level 200	DR201	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	1	Card reader access, Provide flashing strip and silicone sealant over door
Garage Upper Level 200	DR202	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	1	Card reader access, Provide flashing strip and silicone sealant over door
Exterior	DR203	B	Match Existing	Hollow Metal	B, 60 Minute	Tempered	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	2	
Stair 2 202	DR204	A	Match Existing	Hollow Metal	B, 60 Minute	N/A	N/A	Existing	Existing	Existing	Hollow Metal	B, 60 Minute	5	

8 DOOR SCHEDULE
C-902 12" = 1'-0"

NOTE: ALL STEEL TO BE GALVANIZED AND POWDER COATED BLACK



10 SECURITY SCREEN AXONOMETRIC
C-902 12" = 1'-0"

HARDWARE SET 1 - (WITH CARD READER ACCESS)

- ELECTROMECHANICAL MORTISE LEVER HANDLE LOCKSET ON LOCK SIDE
- PANIC BAR EXIT DEVICE ON PUSH SIDE
- OVERHEAD PARALLEL ARM CLOSER INSIDE FACE MOUNTED TO DOOR AND FRAME
- THREE (3) PAIRS OF HEAVY DUTY BUTT HINGES
- PARTIAL ASTRAGAL OVER LATCH ON EXTERIOR SIDE TO PREVENT TAMPERING
- DOOR BOTTOM SWEEP - ALUMINUM BAR WITH NEOPRENE GASKET - FULL WIDTH OF DOOR
- RIGID, HOUSED SPONGE SILICONE PERIMETER GASKETING
- ALUMINUM ADA THRESHOLD SET IN WATERPROOFING MASTIC

HARDWARE SET 2

- PANIC BAR ON PUSH SIDE
- NO HARDWARE ON EXTERIOR SIDE
- OVERHEAD PARALLEL ARM CLOSER INSIDE FACE MOUNTED TO DOOR AND FRAME
- THREE (3) PAIRS OF HEAVY DUTY BUTT HINGES
- PARTIAL ASTRAGAL OVER LATCH ON EXTERIOR SIDE TO PREVENT TAMPERING
- DOOR BOTTOM SWEEP - ALUMINUM BAR WITH NEOPRENE GASKET - FULL WIDTH OF DOOR
- RIGID, HOUSED SPONGE SILICONE PERIMETER GASKETING
- ALUMINUM ADA THRESHOLD SET IN WATERPROOFING MASTIC

HARDWARE SET 3

- PANIC BAR ON PUSH SIDE
- MORTISE LEVER LATCHSET ON PULL SIDE
- OVERHEAD PARALLEL ARM CLOSER INSIDE FACE MOUNTED TO DOOR AND FRAME
- THREE (3) PAIRS OF HEAVY DUTY BUTT HINGES
- WALL STOP
- SILENCERS

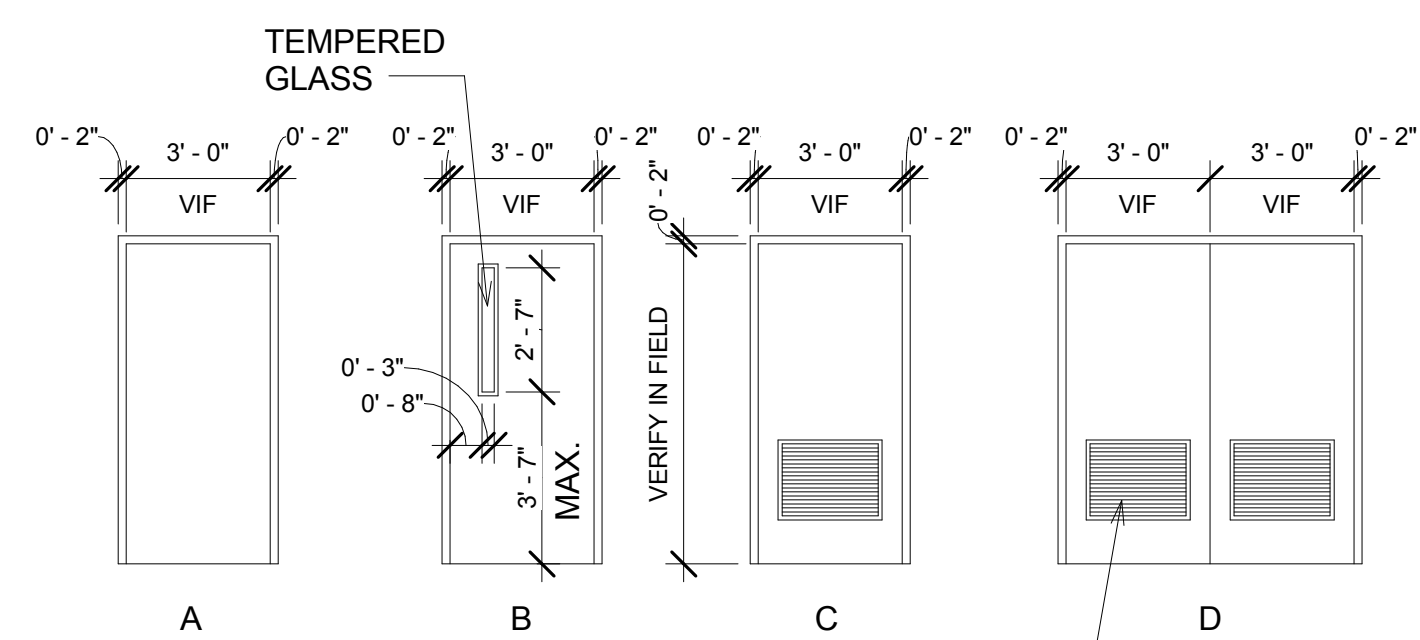
HARDWARE SET 4 - (DOUBLE DOOR)

- MORTISE LEVER LOCKSET ON PULL SIDE OF ACTIVE LEAF
- LEVER FOR EGRESS ON PUSH SIDE OF DOOR OF ACTIVE LEAF
- NO LEVER HARDWARE ON IN-ACTIVE LEAF
- TOP AND BOTTOM LATCH BOLTS ON IN-ACTIVE LEAF
- THREE (3) PAIRS OF HEAVY DUTY BUTT HINGES ON EACH DOOR
- WALL STOPS
- SILENCERS

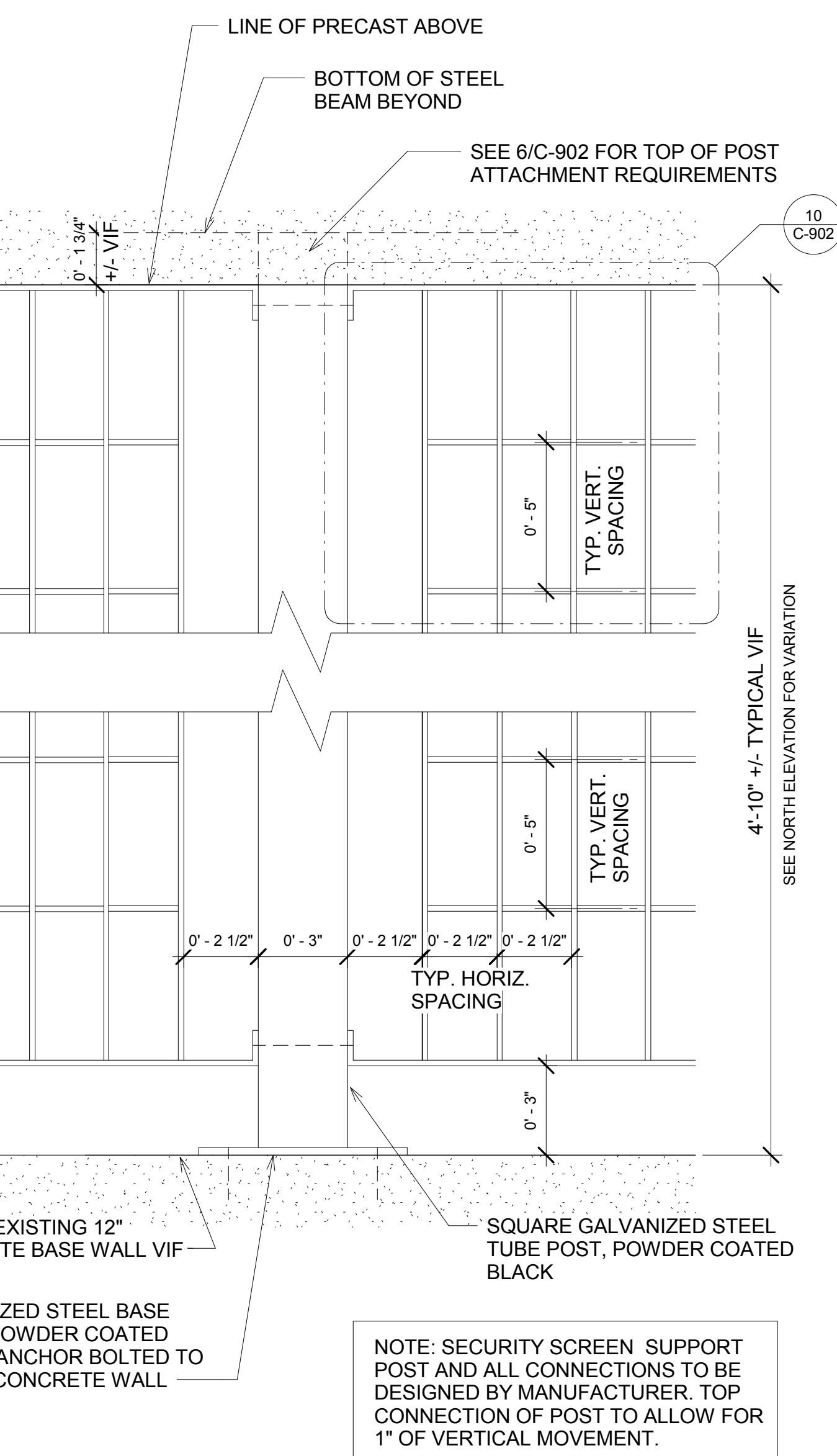
HARDWARE SET 5

- MORTISE LEVER LOCKSET ON PULL SIDE
- LEVER FOR EGRESS ON PUSH SIDE OF DOOR
- TOP AND BOTTOM LATCH BOLTS ON IN-ACTIVE LEAF
- THREE (3) PAIRS OF HEAVY DUTY BUTT HINGES
- WALL STOP
- SILENCERS

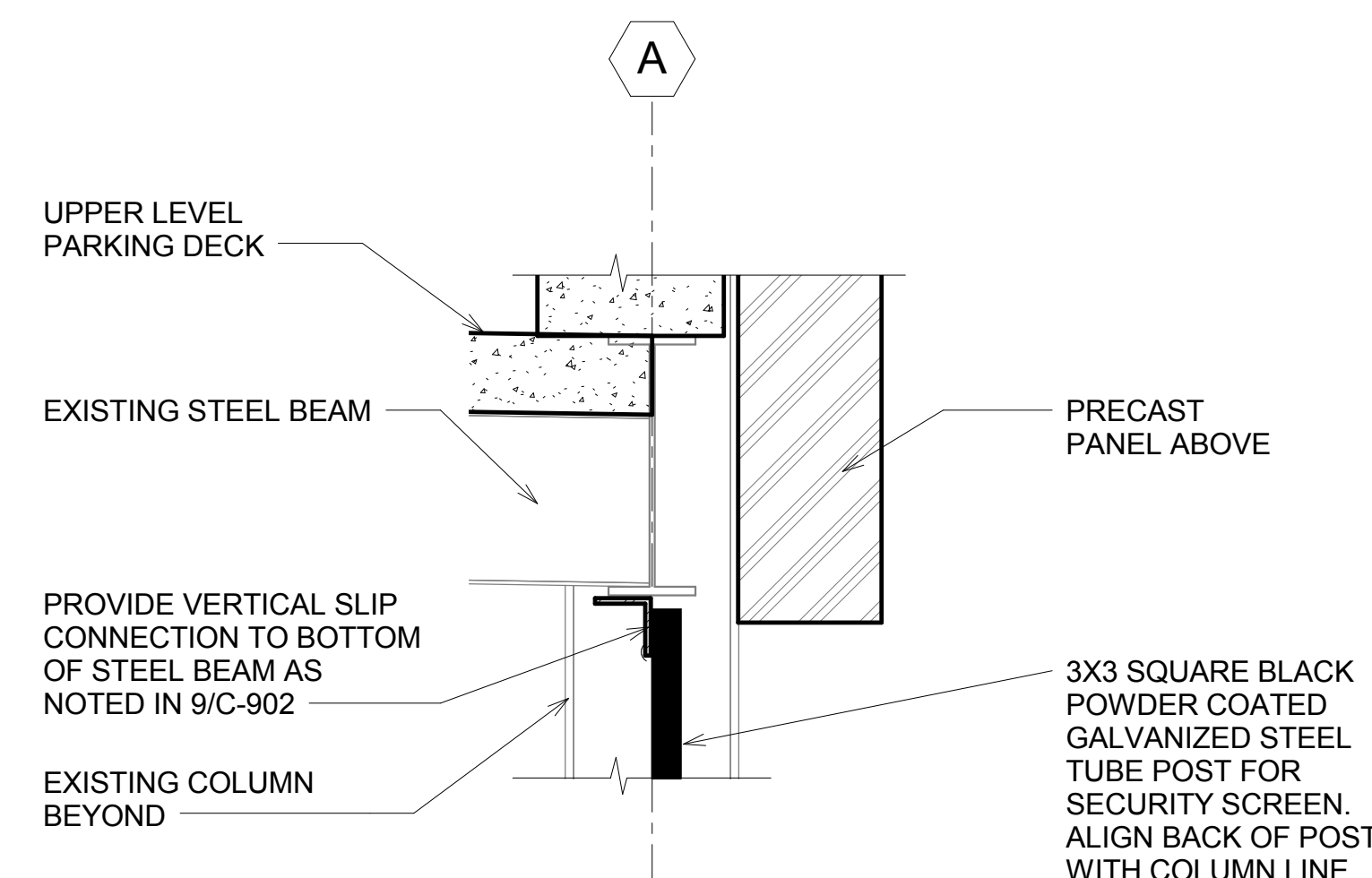
7 HARDWARE SETS
C-902 1/4" = 1'-0"



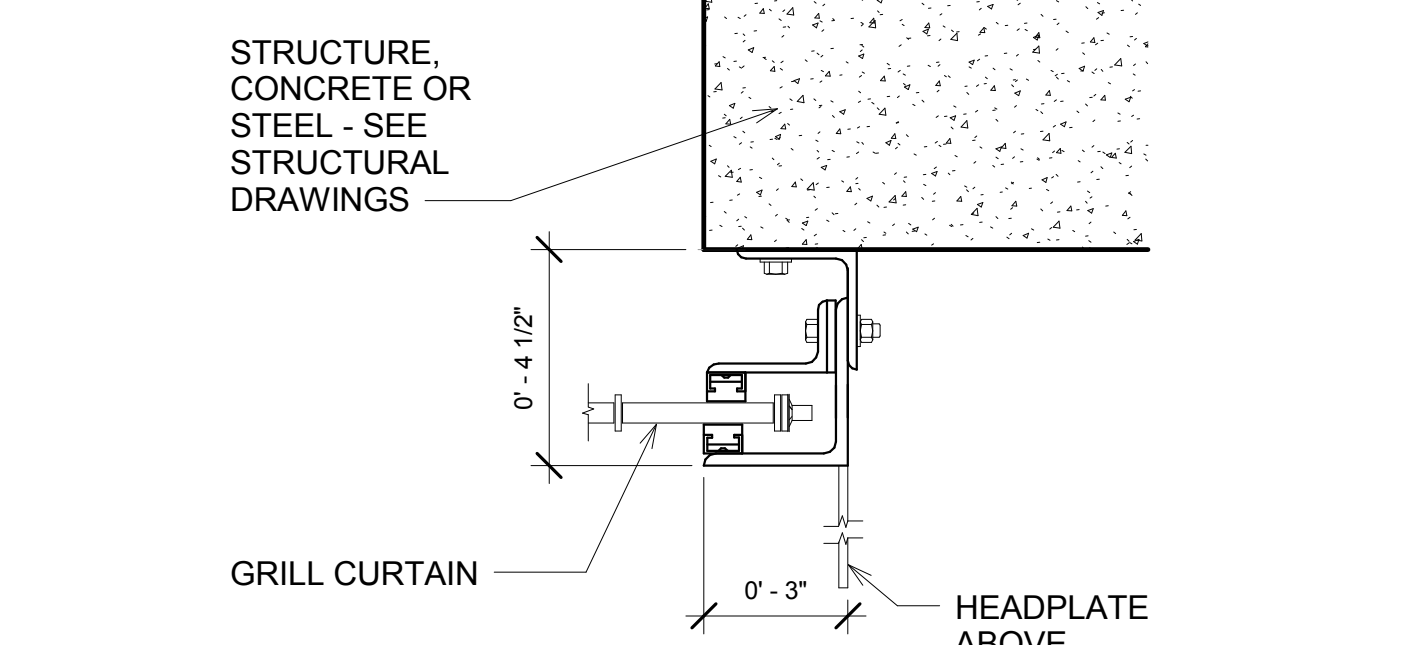
5 DOOR ELEVATIONS
C-902 1/4" = 1'-0"



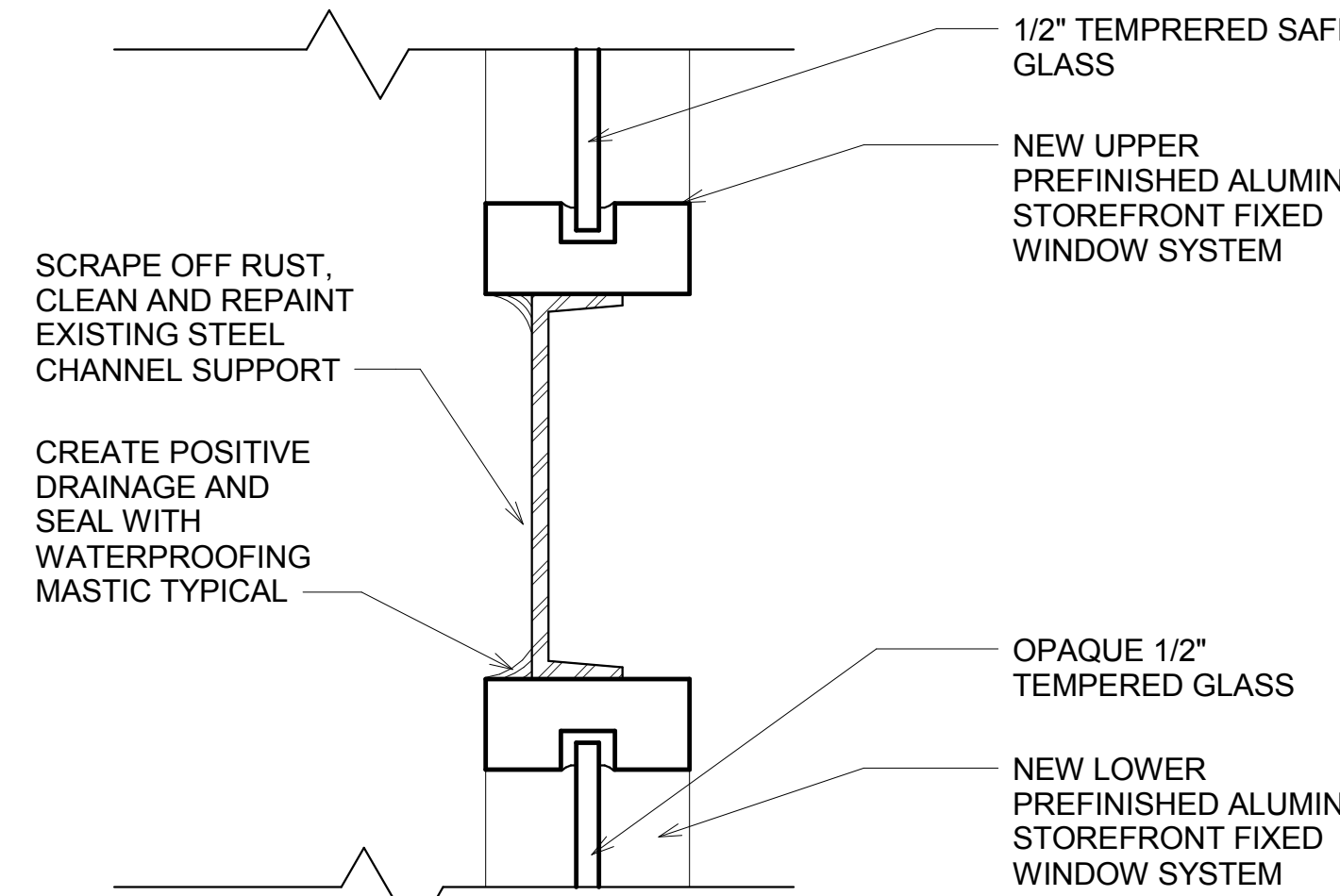
9 SECURITY SCREEN DETAIL
C-902 3" = 1'-0"



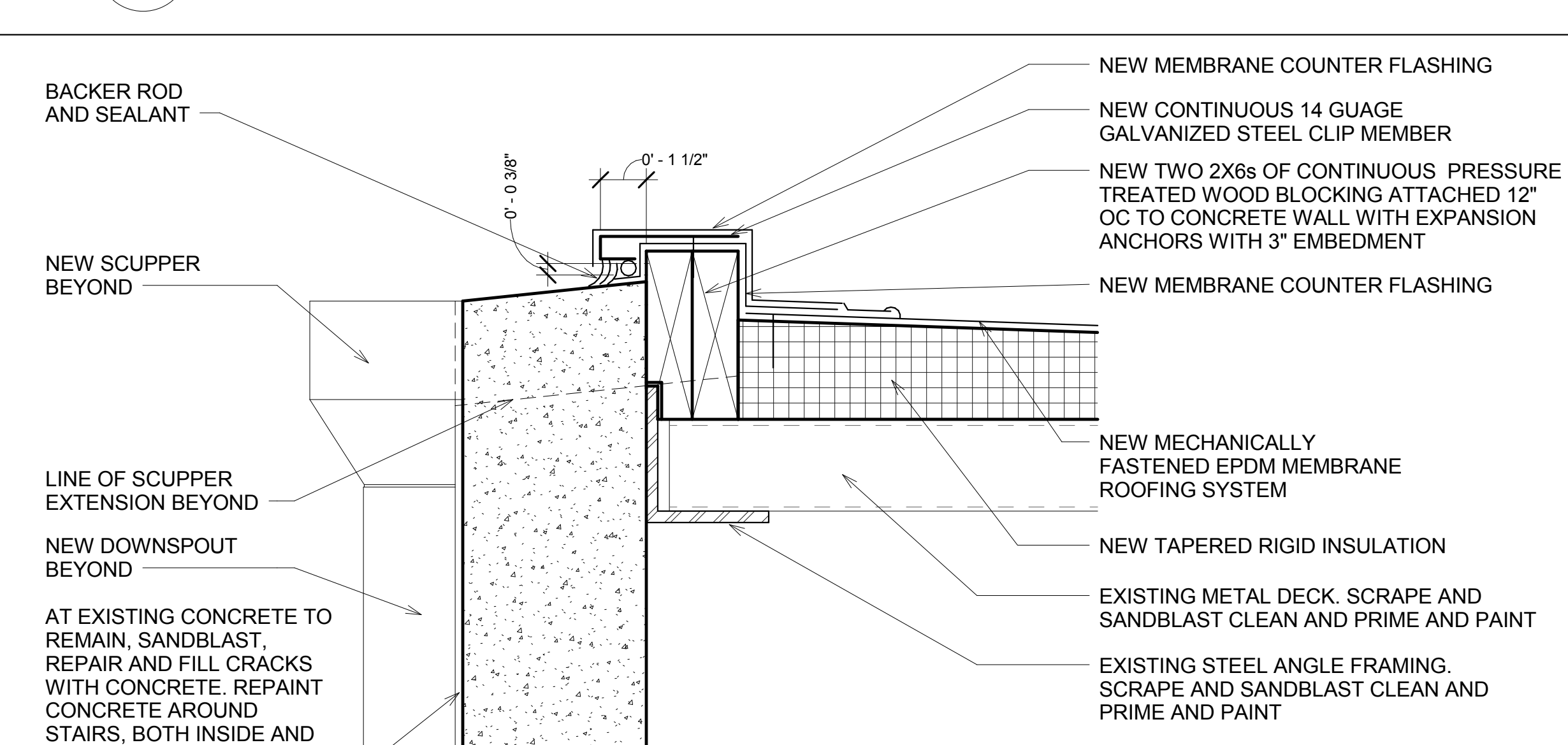
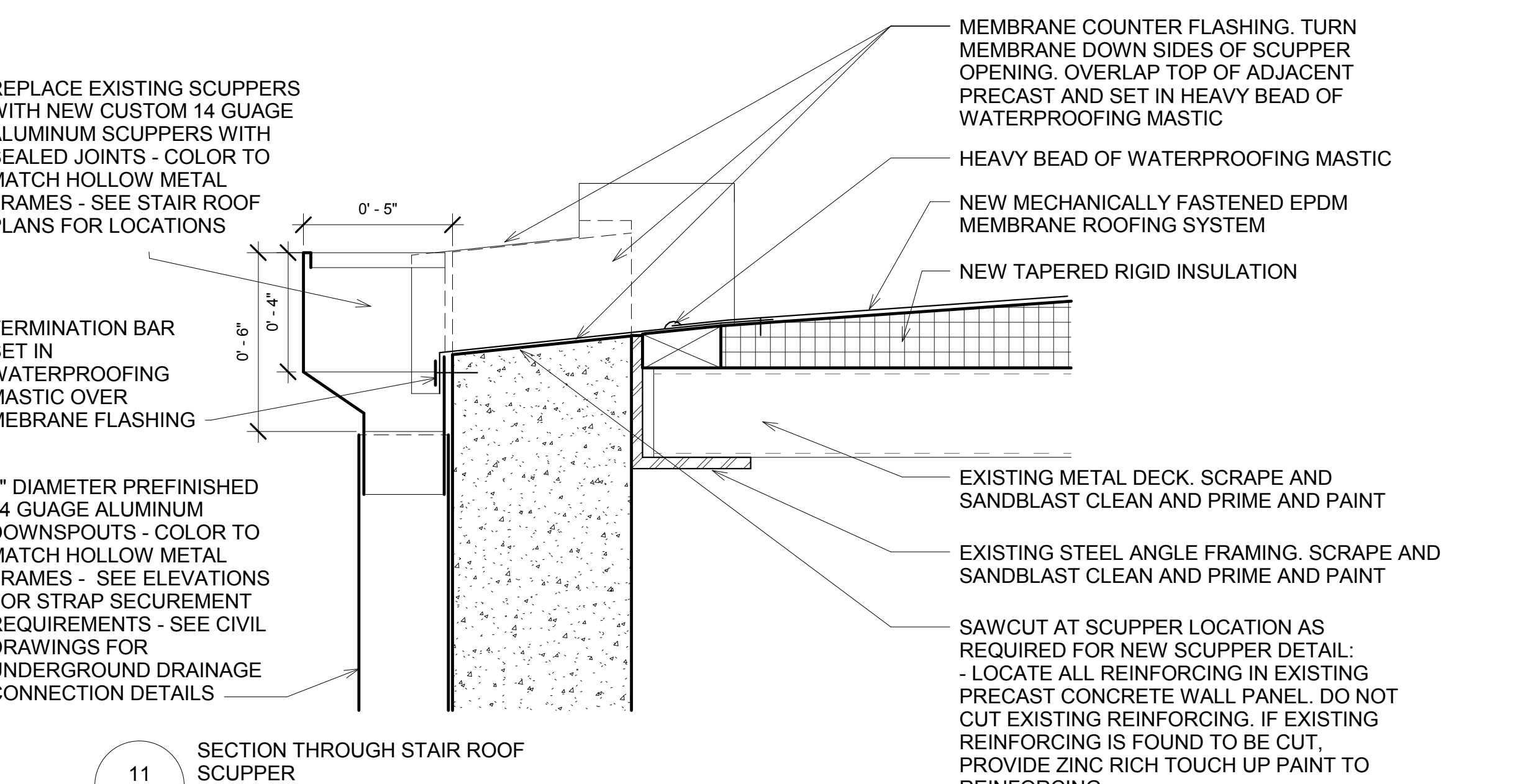
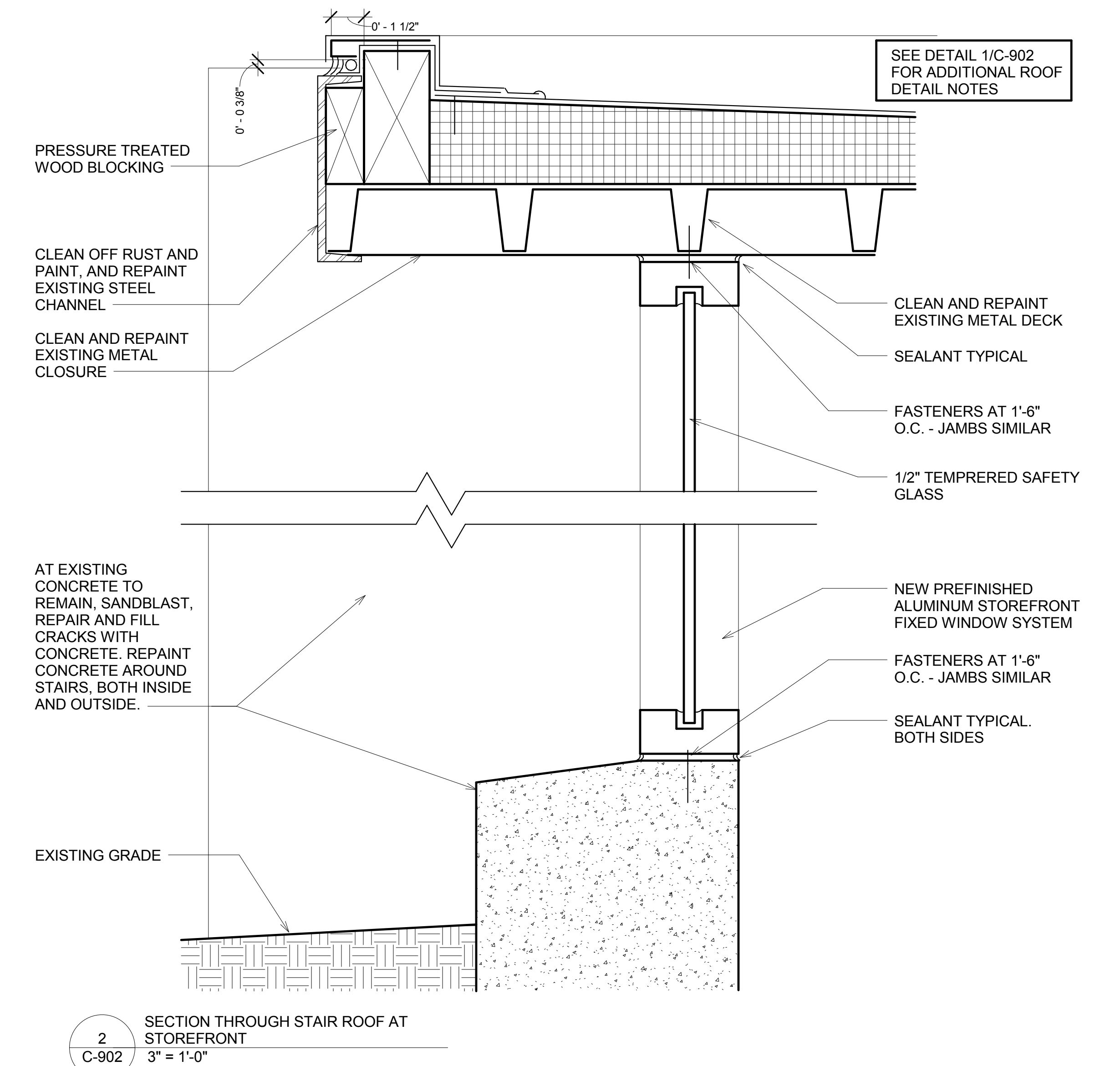
6 SECTION THROUGH TOP OF SECURITY SCREEN
C-902 1" = 1'-0"



4 TYPICAL COILING GRILL JAMB DETAIL
C-902 3" = 1'-0"



3 SECTION THROUGH STOREFRONT BEAM AT STAIR 1
C-902 3" = 1'-0"



STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing title: DETAILS

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REVISIONS			
mark	date	description	scale

drawing prepared by: **BVH** integrated services

date: 12-1-2017

scale: As Indicated

project: GBCMHC GBCMHC PARKING GARAGE REPAIRS
1635 CENTRAL AVE., BRIDGEPORT, CT

drawn by: J56

approved by: MLI

drawing no: **C-902**

CAD no: ARCH R16.rvt

project no: BL-MH-121

Seal: STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
REGISTERED PROFESSIONAL ARCHITECT
No. 15275
MELISSA J. JUSTICE

11/02/2017 3:30:59 PM E:\Revit\Local Files\Biddeman Garage Repair_ARCH R16 (Central)_Barabang.rvt

STRUCTURAL GENERAL NOTES

GENERAL

- SEE CIVIL, MECHANICAL, ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILS. ALSO, SEE STRUCTURAL SPECIFICATIONS.
- STRUCTURAL CONDITIONS WHERE SECTIONS OR DETAILS ARE CUT SHALL ALSO APPLY TO COMPARABLE SIMILAR LOCATIONS ELSEWHERE ON THE PLANS REGARDLESS IF THE SECTION MARK IS NOT INDICATED. DETAILS SHOWN APPLY TO ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, QUANTITIES, ETC., IN THE FIELD PRIOR TO BEGINNING OF ANY NEW CONSTRUCTION. NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOUND IMMEDIATELY.
- CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS, LAYOUT AND DETAILS OF ALL OPENINGS, PENETRATIONS, SLEEVES, SLAB DEPRESSIONS, DRAINS, EQUIPMENT PADS, BLOCKOUTS, SLOPED SLABS, ETC. CONTRACTOR SHALL REVIEW ALL OF THE CONTRACT DOCUMENTS AND CONSULT WITH THE SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIRED INFORMATION. OPENINGS, PENETRATIONS, SLEEVES, SLAB DEPRESSIONS, DRAINS, EQUIPMENT PADS, BLOCKOUTS, SLOPED SLABS, ETC. THAT VARY FROM OR HAVE NOT BEEN INDICATED ON THE STRUCTURAL DOCUMENTS, SHALL BE INSTALLED AT NO ADDITIONAL COST, ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER HAS BEEN OBTAINED.
- CONTRACTOR SHALL VERIFY AND COORDINATE THE FINAL LOCATION, LAYOUT, AND DETAILS OF ALL FRAMING FOR MECHANICAL EQUIPMENT, DRAINS, MECHANICAL SHAFTS, ETC. THE CONTRACTOR SHALL CONSULT WITH THE SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIREMENTS FOR EQUIPMENT AND/OR MATERIALS THAT WILL BE PROVIDED FOR THE PROJECT. VARIATIONS TO THE FRAMING INDICATED ON THE STRUCTURAL DOCUMENTS SHALL BE COORDINATED AND INSTALLED AT NO ADDITIONAL COST, AFTER REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.

CODES

- ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA IN ACCORDANCE WITH THE FOLLOWING -
 - THE 2016 CONNECTICUT STATE BUILDING CODE.
 - MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES, ASCSEI 7-10.
 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360-10.
 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-11.
 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530-11.
 - PRESTRESSED CONCRETE INSTITUTE "PCI-DESIGN HANDBOOK" 7TH EDITION ("PCI HANDBOOK").

DESIGN CRITERIA

- LIVE LOADS:
 - ROOF:
 - GROUND SNOW LOAD (Pg) 30 PSF
 - FLAT-ROOF SNOW LOAD (P_F) 30 PSF + DRIFT WHERE APPLICABLE
 - SNOW EXPOSURE FACTOR (Ce) 1.0
 - SNOW LOAD IMPORTANCE FACTOR (Is) 1.0
 - THERMAL FACTOR (Ct) 1.0
 - FLOOR:
 - GARAGE 40 PSF
 - STAIRS 100 PSF
- LATERAL LOADS:
 - WIND DESIGN DATA:
 - ULTIMATE DESIGN WIND SPEED (V_{ult}) 125 MPH
 - NOMINAL DESIGN WIND SPEED (V_{nsf}) 97 MPH
 - WIND IMPORTANCE FACTOR (I_w) 1.0
 - RISK CATEGORY II
 - WIND EXPOSURE B
 - INTERNAL PRESSURE COEFFICIENT (GC_{PI}) +/- 0.18
 - COMPONENTS AND CLADDING WIND DESIGN PRESSURE ASCE 7-10 OR PER FM GLOBAL WIND DESIGN DATA SHEET 1-25
- PRESUMED SOIL BEARING PRESSURE (BASED ON GEOTECHNICAL ENGINEER'S REPORT UPDATED 8/11/2017, AND TEST BORINGS.)
 - FROST DEPTH 3'-6"
 - W SHAPES STRUCTURAL STEEL SECTIONS UNLESS OTHERWISE NOTED ASTM A992 F_y = 50KSI
- ROLLED CHANNELS, ANGLES, PLATES AND SHAPES UNLESS OTHERWISE NOTED ASTM A 36, F_y=36 KSI
- MOMENT FRAME CONTINUITY PLATES ASTM A 572 F_y=50 KSI
- HOLLOW STRUCTURAL SECTIONS (HSS) (RECTANGULAR) ASTM A 500, GRADE B GRADE C (ROUND), F_y=46 KSI
- STRUCTURAL STEEL PIPES ASTM A 53, GRADE B F_y=35 KSI
- EPOXY COATED REINFORCING STEEL ASTM A 615 GRADE 60, F_y=60 KSI
- REINFORCING STEEL ASTM A 615 GRADE 60, F_y=60 KSI
- WELDABLE REINFORCING STEEL ASTM A 706 (WELDED PER ANSIIAWS D14) GRADE 60, F_y=60 KSI
- CONCRETE FOR FOUNDATION WALLS, FOOTINGS AND SLAB ON GRADE f'_c=4,500 PSI (UNLESS OTHERWISE NOTED)
- CONCRETE FOR CAST IN PLACE STRUCTURAL SLABS, 5,000 PSI

FOUNDATION

- FOOTINGS ARE INTENDED TO BEAR ON SUITABLE UNDISTURBED MATERIAL, UNLESS OTHERWISE NOTED. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS ON GRADE SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING FOOTING FORMS AND CONCRETE. CONTRACTOR SHALL NOTIFY THE STRUCTURAL AND GEOTECHNICAL ENGINEERS WHERE PROPOSED FOOTING ELEVATIONS WOULD BEAR ON UNSUITABLE MATERIAL AND PROCEED AS DIRECTED.
- FOUNDATION WALLS AND RETAINING WALLS WITH FINISH GRADE EQUAL ON BOTH SIDES SHALL BE BACKFILLED ON BOTH SIDES, SO THAT THE MAXIMUM VARIATION IN ELEVATION IS LIMITED TO 12 INCHES. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BASEMENT AND GROUND LEVEL SLABS HAVE BEEN POURED AND THE CONCRETE HAS ATTAINED THE SPECIFIED 28-DAY STRENGTH. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL THE CONCRETE HAS ATTAINED THE SPECIFIED 28-DAY STRENGTH.
- DO NOT USE EQUIPMENT WEIGHING MORE THAN 5,000 POUNDS WITHIN (10') FEET OF ALL WALLS. EQUIPMENT WEIGHING MORE THAN 5,000 POUNDS SHALL NOT BE USED ADJACENT TO WALLS, EXCEPT AS EXPRESSLY APPROVED BY THE ENGINEER.
- NO FOOTING OR SLABS SHALL BE PLACED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.
- PROVIDE AN ADEQUATE DEWATERING SYSTEM TO MAINTAIN DRY EXCAVATIONS.
- ANY CHANGES IN THE DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW. ALL EXISTING CONSTRUCTION AND UTILITIES SHALL BE SAFEGUARDED AND PROTECTED FROM DAMAGE OR SETTLEMENT DURING EXCAVATION AND CONSTRUCTION. ALL DIMENSIONS AND DETAILS RELATING TO THE EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL LOCATE AND COORDINATE REQUIRED SLEEVES AND BLOCKOUTS THROUGH FOUNDATION WALLS WITH OTHER TRADES. THESE OPENINGS SHALL BE ADDRESSED ON REBAR SHOP DRAWINGS WHEN SUBMITTED TO STRUCTURAL ENGINEER FOR APPROVAL.
- FOOTINGS SHALL BE CENTERED ON COLUMN LINES UNLESS OTHERWISE NOTED. WALL FOOTINGS SHALL BE CENTERED ON WALLS UNLESS OTHERWISE NOTED.

CONCRETE

- KEY FOUNDATION WALLS TO FOOTINGS AND SLABS TO SUPPORT WALLS. KEY SHALL BE FORMED WITH WOOD AND BE 1 1/2" DEEP. KEY WIDTH SHALL BE 1/3 THE WALL THICKNESS.
- UNLESS OTHERWISE NOTED, REINFORCE ALL FOUNDATION WALLS WITH (2) #5 BARS TOP AND BOTTOM CONTINUOUS. PROVIDE DOWELS AT CORNERS AND INTERSECTIONS. LAP ALL SPLICES 30 BAR DIAMETERS UNLESS OTHERWISE NOTED. ALL SPLICES IN CONCRETE BEAMS, GRADE BEAMS, AND ALL FOUNDATION WALLS SPANNING HORIZONTAL TO CONFORM TO ACI 318 TENSION LAP SPLICES, SEE DEVELOPMENT LENGTH SCHEDULE ON "S-300".
- PROVIDE (2) #5 BARS ON EACH SIDE OF ALL OPENINGS THROUGH CONCRETE WALLS. BARS SHALL EXTEND 2'-0" BEYOND EDGE OF OPENINGS. PROVIDE (2) #5 x 5'-0" LONG DIAGONAL (ONE EACH FACE) AT ALL CORNERS.
- DOWEL ALL VERTICAL REINFORCING STEEL IN WALLS, COLUMNS, PIERS, PIERS INTEGRAL WITH WALLS, ETC. INTO FOOTINGS.
- AIR ENTRAIN ALL CONCRETE EXPOSED TO FREEZE THAW ACTION.
- POCKET WALLS WHERE NECESSARY FOR COLUMNS, BEAMS AND SLABS. POCKET TO BE COMPLETELY FILLED WITH CONCRETE AFTER BEAM/COLUMN IS IN PLACE.
- ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE, IN ACCORDANCE WITH ACI PROCEDURES AND THE REQUIREMENTS OF THE CODES IN THE PREVIOUSLY OUTLINED "CODES" SECTION AND THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI-315.
- CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING CONSTRUCTION JOINTS, OPENINGS, REINFORCING SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. UNCHECKED SHOP DRAWINGS WILL BE REJECTED WITHOUT REVIEW.
- ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2)-FULL MESH PANELS AND TIED SECURELY.
- CONSTRUCTION JOINTS IN ALL WALLS AND BEAMS SHALL NOT BE SPACED FURTHER THAN 60 FEET IN ANY DIRECTION. HORIZONTAL WALL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED EXCEPT WHERE SHOWN.
- NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
- ALL CONSTRUCTION JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.
- STRUCTURAL SLABS SHALL NOT CONTAIN ANY ELECTRICAL CONDUITS OR PIPING.
- ALL EXTERIOR SLABS ON GRADE SHALL CONTAIN 6x6-W2.9xW2.9 WELDED WIRE FABRIC MINIMUM, UNLESS OTHERWISE NOTED IN DETAILS OR ON PLAN.

CLEAR COVER FOR REINFORCING (UNLESS OTHERWISE NOTED)		
A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3 INCHES
B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER -		
#6 AND LARGER		2 INCHES
#5 AND SMALLER		1 1/2 INCHES
C) STRUCTURAL SLABS, WALLS AND JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND		3/4 INCHES

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- ALL WELDING ELECTRODES SHALL BE E70XX UNLESS OTHERWISE NOTED.
- ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 325 OR ASTM A 490.
- ALL WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS "CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION", LATEST EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION PROCEDURES AND SEQUENCES INCLUDING TEMPORARY BRACING AND SHORING.
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- ANY ADDITIONAL STEEL REQUIRED BY THE CONTRACTOR FOR ERECTION PURPOSES AND SITE ACCESS OR MATERIALS FOR STOCKPILES STEEL SHALL BE PROVIDED AT NO COST TO THE OWNER, ALL SUCH ADDITIONAL STEEL SHALL BE REMOVED BY THE CONTRACTOR UNLESS APPROVED BY THE OWNER IN WRITING.
- FABRICATE AND ERECT ALL BEAMS WITH CAMBER UP.
- SHOP AND FIELD TESTING OF WELDS AND BOLTS BY TESTING LAB SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 051200, SHOP QUALITY CONTROL, AND FIELD QUALITY CONTROL.
- BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED. A MINIMUM CONNECTION CAPACITY OF 6 KIPS SHALL BE PROVIDED. REACTIONS GOVERNED BY THE 6K MINIMUM ARE DESIGNATED AS "XXXXXX" ON PLAN, AND NEED NOT BE INCREASED BY THE FACTOR OF 1.25.
- CONNECTIONS WHERE NO END REACTIONS ARE INDICATED MAY BE ESTIMATED FOR A REACTION EQUAL TO ONE HALF THE ALLOWABLE UNIFORM LOAD FOR THE BEAM SPAN. CONNECTIONS FOR COMPOSITE BEAMS WITH NO END REACTION INDICATED MAY BE ESTIMATED FOR 1.5 TIMES ONE HALF THE ALLOWABLE UNIFORM LOAD FOR THE BEAM SPAN. FOR FINAL DESIGN PURPOSES, THE FABRICATOR SHALL SUBMIT AN RFI TO THE ENGINEER TO REQUEST VALUES FOR ANY REACTIONS THAT ARE NOT INDICATED.
- STRUCTURAL STEEL FABRICATOR SHALL SUBMIT TO ENGINEER FOR REVIEW CALCULATIONS FOR EACH TYPE OF CONNECTION UTILIZED ON THE PROJECT TWO (2)-WEEKS PRIOR TO SUBMITTING DETAILED SHOP DRAWINGS. FABRICATOR SHALL ALSO SUBMIT TO THE ENGINEER ANY SHOP STANDARD DETAILS APPLICABLE TO CONNECTIONS FOR USE ON THE PROJECT. SHOP DRAWINGS WILL NOT BE REVIEWED UNTIL THIS SUBMISSION IS MADE.
- ALL FIELD WELDS SHALL BE SCRAPPED AND CLEANED FREE OF SLAG BY WELDER/ERECTOR TO ENABLE VISUAL WELD INSPECTION.
- FIELD WELDING TO GALVANIZED STEEL: PRIOR TO FIELD WELDING CONNECTIONS, ZINC COATING AT ALL WELD CONNECTION AREAS SHALL BE REMOVED BY BURNING WITH OXYGEN FUEL GAS TORCH OR GRINDING TO BARE STEEL. APPLY A MINIMUM OF TWO COATS OF ZINC-RICH PAINT AFTER CLEANING COMPLETED WELD.

STRUCTURAL PRECAST

- ALL STRUCTURAL PRECAST TO BE DESIGNED BY A LICENSED STRUCTURAL PROFESSIONAL ENGINEER, FABRICATED AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI AND PCI.
- ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
- PRESTRESSING REINFORCING TO BE 7 WIRE STRAND, STRESS RELIEVED, OR LOW RELAXATION HIGH TENSILE STEEL CONFORMING TO ASTM A 416, GRADE 270 KSI, UNCOATED, FREE FROM RUST AND PITTING.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
- ALL WIRE MESH REINFORCING SHALL BE FLAT SHEETS CONFORMING TO ASTM A 185. WIRE MESH REINFORCING PLACED IN THE FLANGE OF DOUBLE TEE ELEMENTS IS TO BE EPOXY COATED.
- ALL INSERTS, PLATES, NUTS, BOLTS, WASHERS, ANCHORS, ETC. TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. ALL CONNECTIONS WITHIN SIX (6) INCHES OF TRAFFIC BEARING SURFACES ARE TO BE FABRICATED WITH STAINLESS STEEL CONFORMING TO ASTM A 666, TYPE 304.
- SEE SPECIFICATION SECTION 034100 FOR ADDITIONAL INFORMATION.

TEMPORARY SHORING

- THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO PREPARE ALL SUBMITTALS REQUIRED AND TO BE FULLY RESPONSIBLE FOR DETAILED DESIGN AND CONSTRUCTION SPECIFICATIONS AND PROVIDE SUPERVISION DURING CONSTRUCTION OF THE TEMPORARY SHORING WORK.
- THE CONTRACTOR AND THE CONTRACTOR'S ENGINEER SHALL DESIGN, FURNISH, INSTALL AND PERFORM THE NECESSARY WORK REQUIRED TO SAFELY SUPPORT, PROTECT AND MAINTAIN EXISTING CONSTRUCTION. ANY MOVEMENT OR DAMAGE OF THE BUILDING OR STRUCTURE SHALL BE CORRECTED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR'S ENGINEER SHALL PREPARE A REPORT OF THE STRUCTURAL PRECONDITION SURVEY OF THE EXISTING BUILDING. THIS ON-SITE SURVEY SHALL BE DONE IN THE PRESENCE OF A REPRESENTATIVE FOR THE OWNER OF THE EXISTING BUILDING. THIS PRECONDITION SURVEY REPORT SHALL INCLUDE A DETAILED ON-SITE INSPECTION OF THE INTERIOR AND THE EXTERIOR OF THE BUILDING WITH PHOTOGRAPHS OF THE INTERIOR OF THE BUILDING SHOWING EXISTING CONDITIONS.
- THE CONTRACTOR'S ENGINEER SHALL SUBMIT A COMPLETE SEALED, DETAILED DESIGN IN THE FORM OF COMPUTATIONS AND WORKING SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AND COMMENT BY THE ENGINEER. THE SUBMITTAL SHALL INCLUDE ALL CONSTRUCTION SEQUENCES, METHODS, DETAILS, SPECIFICATIONS, DESIGN LOADS AND OPERATIONS NECESSARY FOR PROPER EXECUTION OF THE TEMPORARY SHORING WORK. THE CONTRACTOR SHALL SCHEDULE A MINIMUM 15 DAYS FOR REVIEW.

POST INSTALLED ANCHORS (PIA)

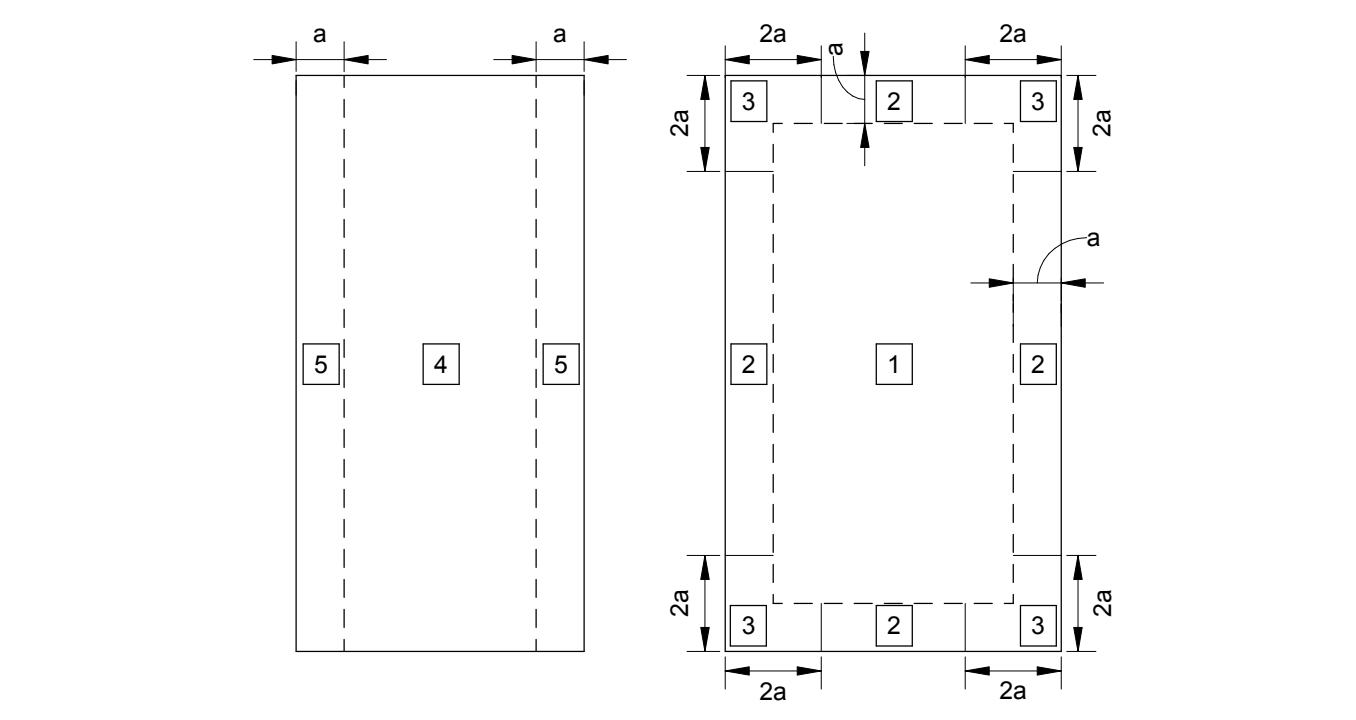
- POST INSTALLED ADHESIVE ANCHORS SHALL BE INSTALLED USING A TWO-COMPONENT MATERIAL MEETING ASTM C 881 REQUIREMENTS. SEE PROJECT SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND PRODUCTS.
- POST INSTALLED MECHANICAL ANCHORS: SEE PROJECT SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND PRODUCTS.
- ALL POST INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- TESTING AGENCY SHALL RANDOMLY REVIEW ANCHORING INSTALLATION TO VERIFY CONFORMANCE WITH CONTRACT DOCUMENTS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. INITIAL INSPECTIONS SHALL OCCUR AT FIRST APPLICATION FOR EACH TYPE OF ANCHOR TO VERIFY CONFORMANCE. THE NUMBER OF POST INSTALLED ANCHOR INSTALLATIONS TO BE WITNESSED BY THE OWNER'S TESTING AGENCY SHALL MEET THE FOLLOWING CRITERIA:
 - A MINIMUM OF 25% OF ADHESIVE ANCHOR INSTALLATIONS PER SUB CONTRACTOR SHALL BE WITNESSED. THE PERCENTAGE WITNESSED MAY BE MODIFIED BY THE STRUCTURAL ENGINEER OF RECORD, DEPENDING UPON INITIAL RESULTS.
 - A MINIMUM OF 10% OF MECHANICAL ANCHOR INSTALLATIONS PER SUB CONTRACTOR SHALL BE WITNESSED. THE PERCENTAGE WITNESSED MAY BE MODIFIED BY THE STRUCTURAL ENGINEER OF RECORD, DEPENDING UPON INITIAL RESULTS.
- LOAD TESTING OF POST INSTALLED ANCHORS MAY BE REQUESTED BY THE STRUCTURAL ENGINEER OF RECORD FOLLOWING THE RESULT OF THE TESTING AGENCY'S INSTALLATION REPORTS. LOAD TESTING SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

COMPONENT AND CLADDING WIND LOADS

TRIBUTARY AREA (SQ. FT.)	WALL AND ROOF LOADS (POUNDS PER SQ. FT.)					SUCTION				
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
<=10	16.0	16.0	16.0	37.6	37.6	37.9	63.6	95.8	37.6	46.3
20	16.0	16.0	16.0	33.2	33.2	37.0	56.9	79.3	36.1	43.2
50	16.0	16.0	16.0	31.1	31.1	35.7	47.9	57.6	34.0	39.1
100	16.0	16.0	16.0	29.6	29.6	34.7	41.1	41.1	32.5	36.1
>=500	16.0	16.0	16.0	26.0	26.0	34.7	41.1	41.1	28.9	28.9

NOTES:

- PRESSURES LISTED ARE ULTIMATE WIND PRESSURES.
- LINEAR INTERPOLATION BETWEEN TRIBUTARY AREA WITHIN THIS TABLE IS PERMITTED.
- DISTANCE "a" = 3.0 FEET.
- "a" ZONES ARE APPLICABLE AT ALL SIGNIFICANT BUILDING CORNERS AND ROOF STEPS.
- PARAPET WIND PRESSURES BASED ON A TRIBUTARY AREA OF 10 SF OR LESS.
- FM GLOBAL ROOF PRESSURE RATINGS ARE AS FOLLOWS: ZONE 1 = 1-60, ZONE 2 = 1-105, ZONE = 1-150.



STRUCTURAL ABBREVIATIONS

#	NUMBER OR FOUND	K	KIP(S)
&	AND	L	ANGLE
LG	LONG LEG	LH	LONG LEG HORIZONTAL
LV	LONG LEG VERTICAL	LHV	LONG LEG HORIZONTAL
LSV	LONG LEG VERTICAL	LSV	LONG LEG VERTICAL
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
ARCH	ARCHITECTURAL/ARCHITECT	MFR	MANUFACTURER
AVG	AVERAGE	MIN	MISCELLANEOUS
B/S	BOTH SIDES	MO	MASONRY OPENING
BF	BRACE FRAME	NTS	NOT TO SCALE
BFE	BOTTOM OF FOOTING ELEVATION	OD	ON CENTER
BLDG	BUILDING	OIC	OUTSIDE DIAMETER
BM	BEAM	OF	OPPOSITE HAND
BOT	BOTTOM	OPP	OPPOSITE
C	CHANNEL	P	CONCRETE PIER
CANT	CANTILEVER	PEN	PENETRATION
CFMF	COLD-FORMED METAL FRAMING	PIA	POST-INSTALLED ANCHOR
CJ	CONTROL JOINT	PL	PLATE
CL	CLEAR	QTY	QUANTITY
CMU	CONCRETE MASONRY UNIT	R	REACTION
CO	UNDERDRAIN CLEANOUT	RAD	RADIUS
COL	COLUMN	RD	ROOF DRAIN
CONC	CONCRETE	REIN	REINFORCEMENT
CONST	CONSTRUCTION	REQD	REQUIRED
CONT	CONTINUOUS	RL	ROOF DRAIN LEADER
COORD	COORDINATE	RTU	ROOF TOP UNIT
DEM0	DEMOLITION	SECT	SECTION
DIA	DIAMETER	SF	SQUARE FOOT
DIAG	DIAGONAL	SIM	SIMILAR
DIM	DIMENSION	SJ	SEISMIC JOINT
DOF	DECK OPENING FRAME	SLO	SLOPE
DWGS	DRAWINGS	SDG	SLAB ON GRADE
EA	EACH	SPEC	SPECIFICATION
EF	EACH FACE	STR	STRUCTURAL
EJ	EXPANSION JOINT	T&B	TOP AND BOTTOM
EL	ELEVATION	T&TAB	TOP OF SLAB ELEVATION
ELEC	ELECTRICAL	TCE	TOP OF CONCRETE ELEVATION
EOS	EDGE OF SLAB	TGE	TOP OF GRADE BEAM ELEVATION
EQ	EQUAL	TFC	TOP OF FINISH FLOOR
EW	EACH WAY	TFF	TOP OF FINISH FLOOR
EX	EXISTING	FTS	TOP OF FOOTING STEP
EXT	EXTERIOR	FTF	TOP OF FOOTING FINISH
FD	FLOOR DRAIN	FTG	TOP OF FOOTING FINISH
FDN	FOUNDATION	FTL	TOP OF FINISH FLOOR
FF	FINISHED FLOOR	FTS	TOP OF FOOTING STEP
FS	FOOTING STEP	TSE	TOP OF SHELF ELEVATION
FT	FOOTING	TWE	TOP OF WALL ELEVATION
FTG	FOOTING	TYP	TYPICAL
GALV	GALVANIZED	UN0N	UNLESS OTHERWISE NOTED
GR	GRADE	VERT	VERTICAL
HORIZ	HORIZONTAL	VIF	VERIFY IN FIELD
HSS	HOLLOW STRUCTURAL SECTIONS	W	WIDE FLANGE
ID	INSIDE DIAMETER	WI	WITH
IN	INCHES	W/O	WITHOUT
INT	INTERIOR	WP	WORKING POINT
INV	INVERT	WWF	WELDED WIRE FABRIC

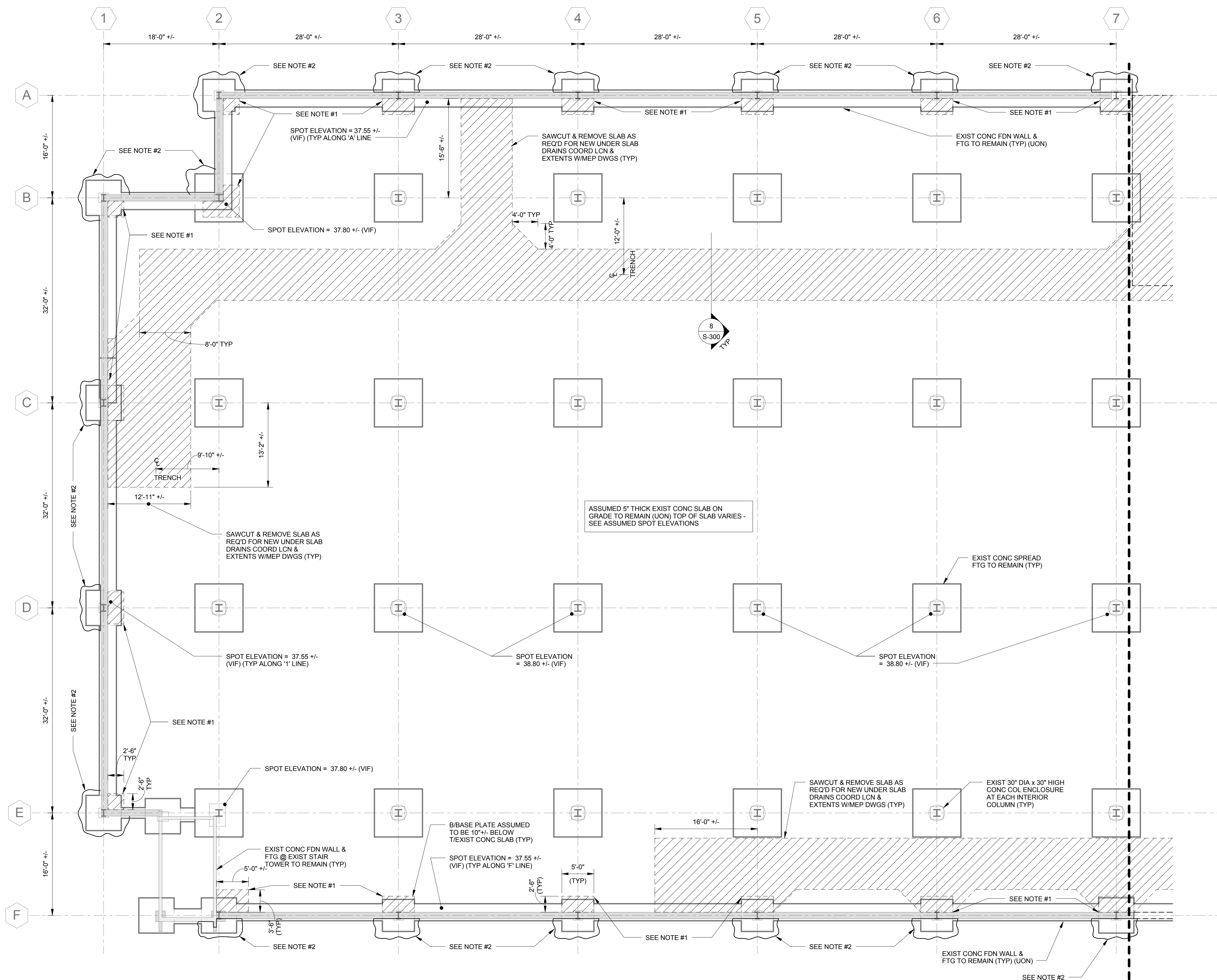
STRUCTURAL DRAWING LIST

- S-001 GENERAL NOTES, ABBREVIATIONS & DRAWING LIST
- SD-100A LOWER LEVEL DEMOLITION PLAN AREA 'A'
- SD-100B LOWER LEVEL DEMOLITION PLAN AREA 'B'
- SD-201A UPPER LEVEL FRAMING PLAN AREA 'A' DEMOLITION PLAN
- SD-201B UPPER LEVEL FRAMING PLAN AREA 'B' DEMOLITION PLAN
- S-100A LOWER LEVEL AREA 'A'
- S-100B LOWER LEVEL AREA 'B'
- S-200A UPPER LEVEL FRAMING PLAN AREA 'A'
- S-200B UPPER LEVEL FRAMING PLAN AREA 'B'
- S-300 FOUNDATION DETAILS
- S-301 FOUNDATION DETAILS
- S-302 FOUNDATION DETAILS
- S-400 DEMOLITION DETAILS
- S-401 NEW FRAMING DETAILS
- S-402 NEW FRAMING DETAILS
- S-403 NEW FRAMING DETAILS
- Grand total: 16



drawing title GENERAL NOTES, ABBREVIATIONS & DRAWING LIST		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	date 12-01-2017
mark	date	description	scale As indicated
project		GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT	drawn by JMM
CAD no. STR R16.rvt		project no. BL-MH-121	approved by MLI
			drawing no. S-001

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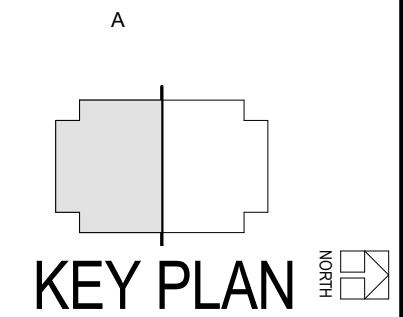
LOWER LEVEL DEMOLITION PLAN AREA 'A'
1/8" = 1'-0"

- SAWCUT & REMOVE PORTION OF EXISTING CONCRETE SLAB ON GRADE AND EXCAVATE SOIL BACK AT 1:1 MINIMUM AS REQUIRED TO EXPOSE COLUMN, BASEPLATE, AND ANCHOR RODS FOR INSPECTION BY ENGINEER. CONTRACTOR TO NOTIFY ENGINEER OF RECORD (1)-WEEK IN ADVANCE TO COORDINATE VISUAL INSPECTION OF THE EXISTING CONDITIONS.
- EXCAVATE GRADE TO EXPOSE COLUMN, BASEPLATE, AND ANCHOR RODS FOR INSPECTION BY ENGINEER. CONTRACTOR TO NOTIFY ENGINEER OF RECORD (1)-WEEK IN ADVANCE TO COORDINATE VISUAL INSPECTION OF THE EXISTING CONDITIONS.

MATCH LINE
REFER TO SD-100B

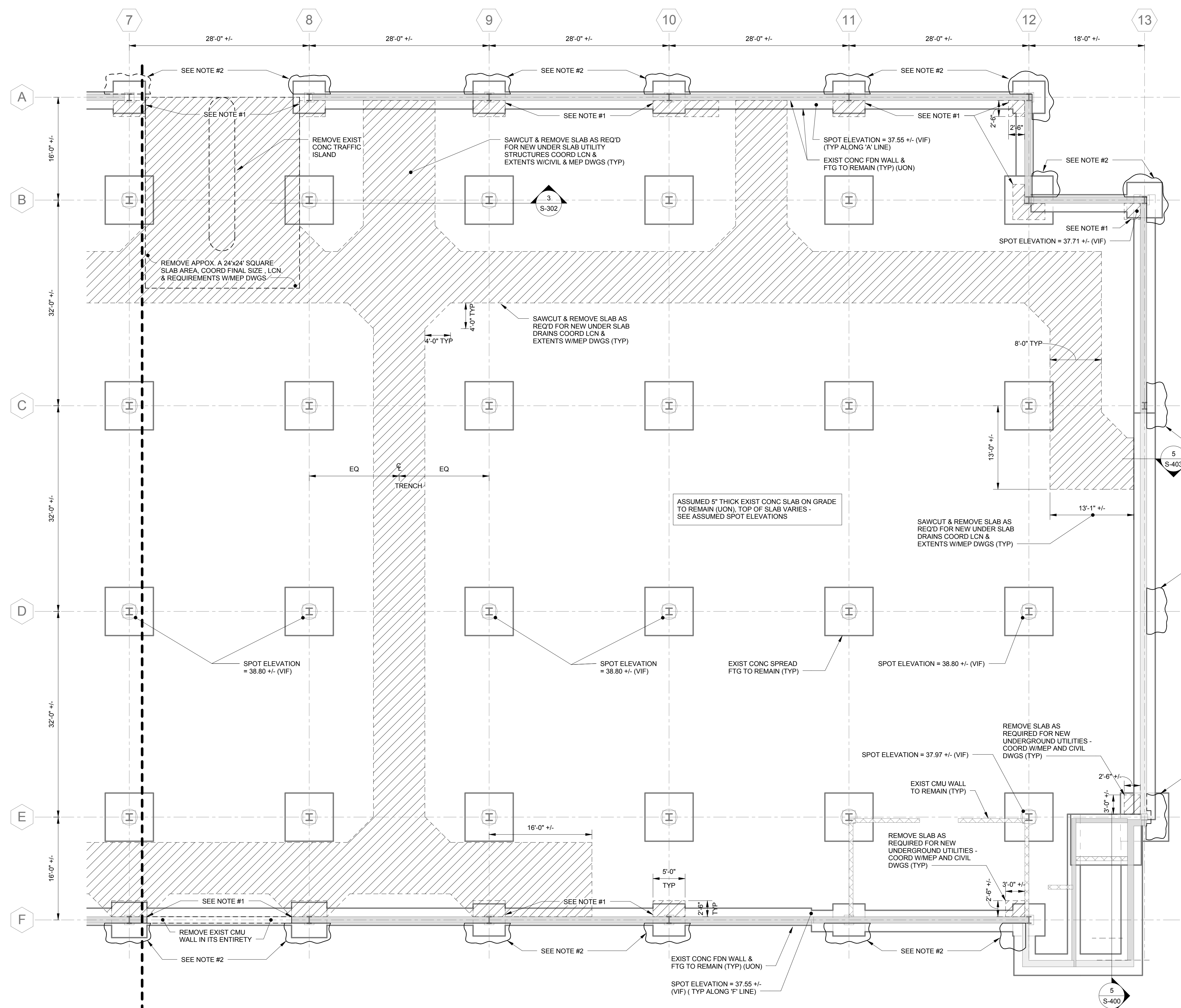
DEMOLITION SYMBOL LEGEND

	INDICATES APPROXIMATE AREA OF CONCRETE SLAB TO BE REMOVED, SEE PLAN AND NOTED DETAILS.
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drawing title LOWER LEVEL DEMOLITION PLAN AREA 'A'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date
			12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		drawn by JMM	scale As indicated
CAD no. STR R16.rvt		approved by MLI	drawing no. SD-100A

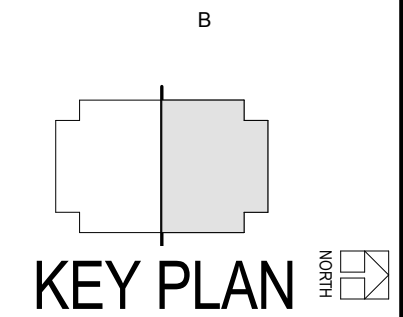




LOWER LEVEL DEMOLITION PLAN AREA 'B'
1/8" = 1'-0"

1. SAW CUT & REMOVE PORTION OF EXISTING CONCRETE SLAB ON GRADE AND EXCAVATE SOIL BACK AT 1:1 MINIMUM AS REQUIRED TO EXPOSE COLUMN, BASEPLATE, AND ANCHOR RODS FOR INSPECTION BY ENGINEER. CONTRACTOR TO NOTIFY ENGINEER OF RECORD (1)-WEEK IN ADVANCE TO COORDINATE VISUAL INSPECTION OF THE EXISTING CONDITIONS.
2. EXCAVATE GRADE TO EXPOSE COLUMN, BASEPLATE, AND ANCHOR RODS FOR INSPECTION BY ENGINEER. CONTRACTOR TO NOTIFY ENGINEER OF RECORD (1)-WEEK IN ADVANCE TO COORDINATE VISUAL INSPECTION OF THE EXISTING CONDITIONS.

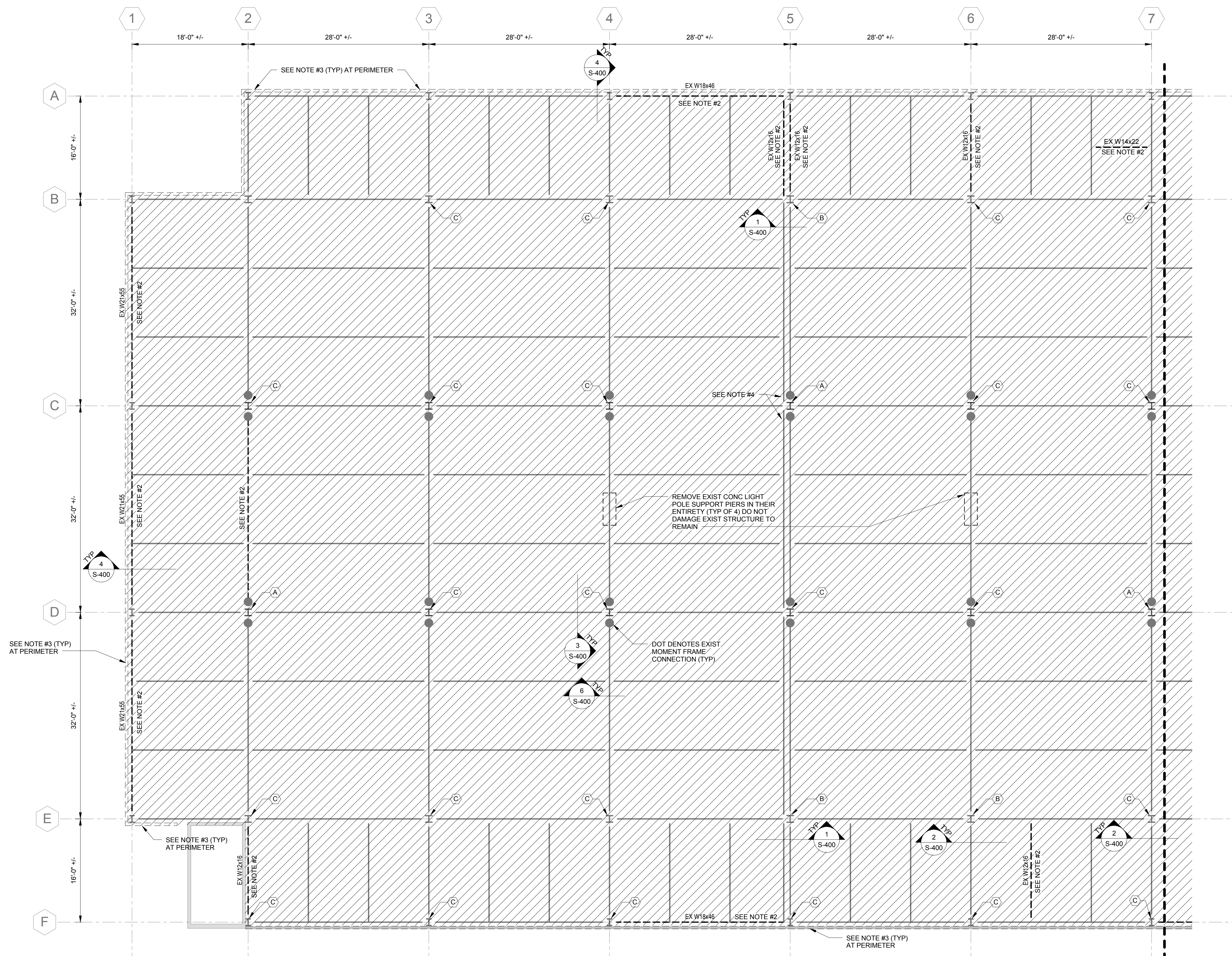
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REFER TO SD-100A



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drawing title LOWER LEVEL DEMOLITION PLAN AREA 'B'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date
			12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		scale 1/8" = 1'-0"	drawn by JMM
CAD no. STR R16.rvt		project no. BLMH-121	approved by MLI
			drawing no. SD-100B





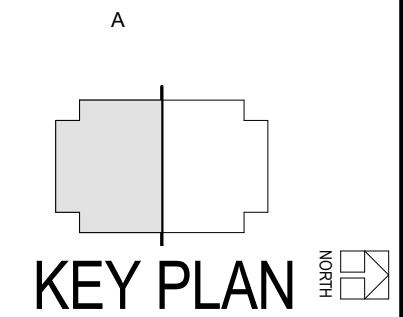
COLUMN DEMO NOTES	
(A)	SHORE SUPPORTED STEEL BEAMS DOWN TO GRADE. PLASMA CUT AND REMOVE TOP OF NOTED COLUMN DOWN TO 3'-0" BELOW TOP OF STEEL BEAMS. GRIND TOP AND BOTTOM MOMENT CONNECTION PLATE OFF OF SUPPORTED BEAMS.
(B)	SHORE SUPPORTED STEEL BEAMS DOWN TO GRADE. PLASMA CUT AND REMOVE TOP OF NOTED COLUMN DOWN TO 3'-0" BELOW TOP OF STEEL BEAMS.
(C)	PLASMA CUT AND REMOVE TOP OF EXISTING COLUMN DOWN TO 1/2" BELOW TOP OF STEEL BEAM, UNLESS COLUMN IS AT AN EXISTING MOMENT CONNECTION, IN WHICH CASE REMOVE TOP OF EXISTING COLUMN DOWN TO 1/2" ABOVE TOP OF MOMENT CONNECTION PLATES.

UPPER LEVEL - AREA 'A' DEMO PLAN

1/8" = 1'-0"

- REMOVE EXISTING PARKING DECK CONCRETE SLAB ON METAL DECK AND ASSOCIATED SHEAR STUDS IN ITS ENTIRETY. DO NOT DAMAGE EXISTING CONCRETE WALL OR STEEL BEAMS TO REMAIN.
- REMOVE NOTED EXISTING STEEL BEAM IN ITS ENTIRETY. SHORE ANY SUPPORTED STEEL BEAMS DOWN TO GRADE.
- REMOVE AND DISPOSE OF EXISTING CONCRETE PANELS AND THE EXISTING STEEL VEHICLE BARRIER IN THEIR ENTIRETY FROM THE PERIMETER OF THE PARKING STRUCTURE. DO NOT DAMAGE EXISTING STEEL COLUMNS OR STEEL BEAMS. THE EXISTING PANELS ARE VERTICALLY SUPPORTED AT THEIR BASE WITH HORIZONTAL BRACING CONNECTIONS AT THE TOP OF THE PERIMETER BEAM AND AT THE EXISTING STEEL VEHICLE BARRIER. THE BRACING CONNECTIONS ARE SIGNIFICANTLY RUSTED. DO NOT REMOVE THE PRECAST STAIR TOWER WALLS.
- SHORE EXISTING BEAMS AS REQUIRED. REMOVE AND REPLACE BOLTS AT CONNECTION TO SUPPORTING MEMBERS FOR EAST WEST GIRDERS ON THE SOUTH SIDE OF THE EXPANSION JOINT.
- STEEL FABRICATOR TO REVIEW EXISTING CONNECTIONS AS REQUIRED TO DESIGN AND PROVIDE NEW CONNECTIONS FOR ALL NEW TO EXISTING STEEL BEAMS.
- STEEL CONTRACTOR TO PROVIDE TEMPORARY LATERAL BRACING OF STRUCTURAL STEEL DURING CONSTRUCTION UNTIL NEW MOMENT FRAME CONNECTIONS ARE COMPLETE AND NEW COMPOSITE CONCRETE STRUCTURAL SLAB ATTAINS THE SPECIFIED STRENGTH.
- SHORE EXISTING STEEL STRUCTURE AS REQUIRED AND REMOVE ALL EXISTING BEAM SLIDE BEARING ASSEMBLIES ALONG COLUMN LINES '3' AND '9'.

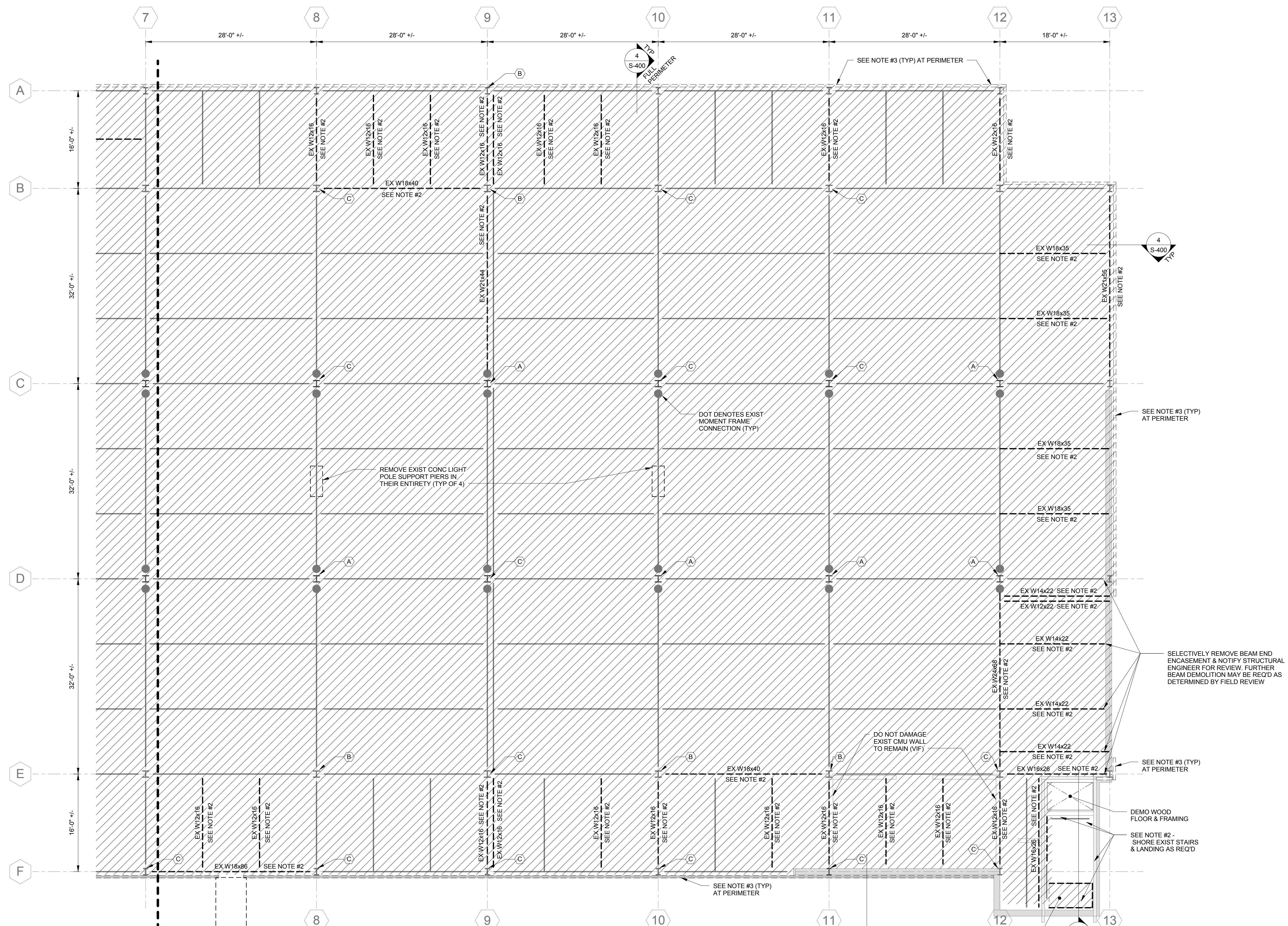
MATCH LINE
REFER TO S-2008



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drawing title UPPER LEVEL FRAMING PLAN AREA 'A' DEMOLITION PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date
			12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		scale As indicated	
CAD no. STR R16.rvt		drawn by JMM	
approved by MLI		checked by MLI	
drawing no. SD-201A		project no. BLMH-121	



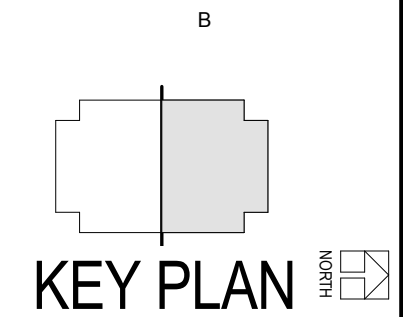


COLUMN DEMO NOTES	
(A)	SHORE SUPPORTED STEEL BEAMS DOWN TO GRADE. PLASMA CUT AND REMOVE TOP OF NOTED COLUMN DOWN TO 3'-0" BELOW TOP OF STEEL BEAMS. GRIND TOP AND BOTTOM MOMENT CONNECTION PLATE OFF OF SUPPORTED BEAMS.
(B)	SHORE SUPPORTED STEEL BEAMS DOWN TO GRADE. PLASMA CUT AND REMOVE TOP OF NOTED COLUMN DOWN TO 3'-0" BELOW TOP OF STEEL BEAMS.
(C)	PLASMA CUT AND REMOVE TOP OF EXISTING COLUMN DOWN TO 1'-2" BELOW TOP OF STEEL BEAM, UNLESS COLUMN IS AT AN EXISTING MOMENT CONNECTION, IN WHICH CASE REMOVE TOP OF EXISTING COLUMN DOWN TO 1'-2" ABOVE TOP OF MOMENT CONNECTION PLATES.

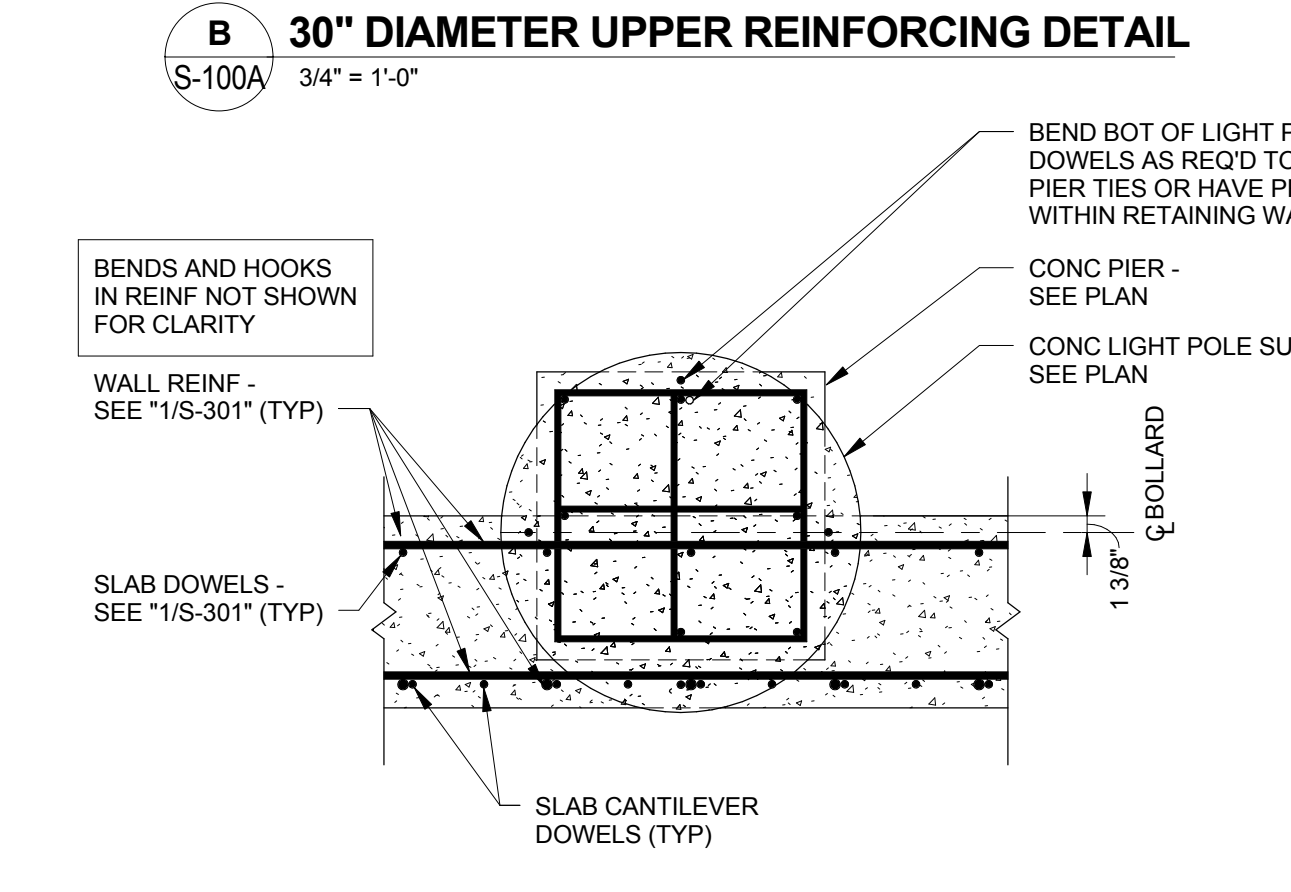
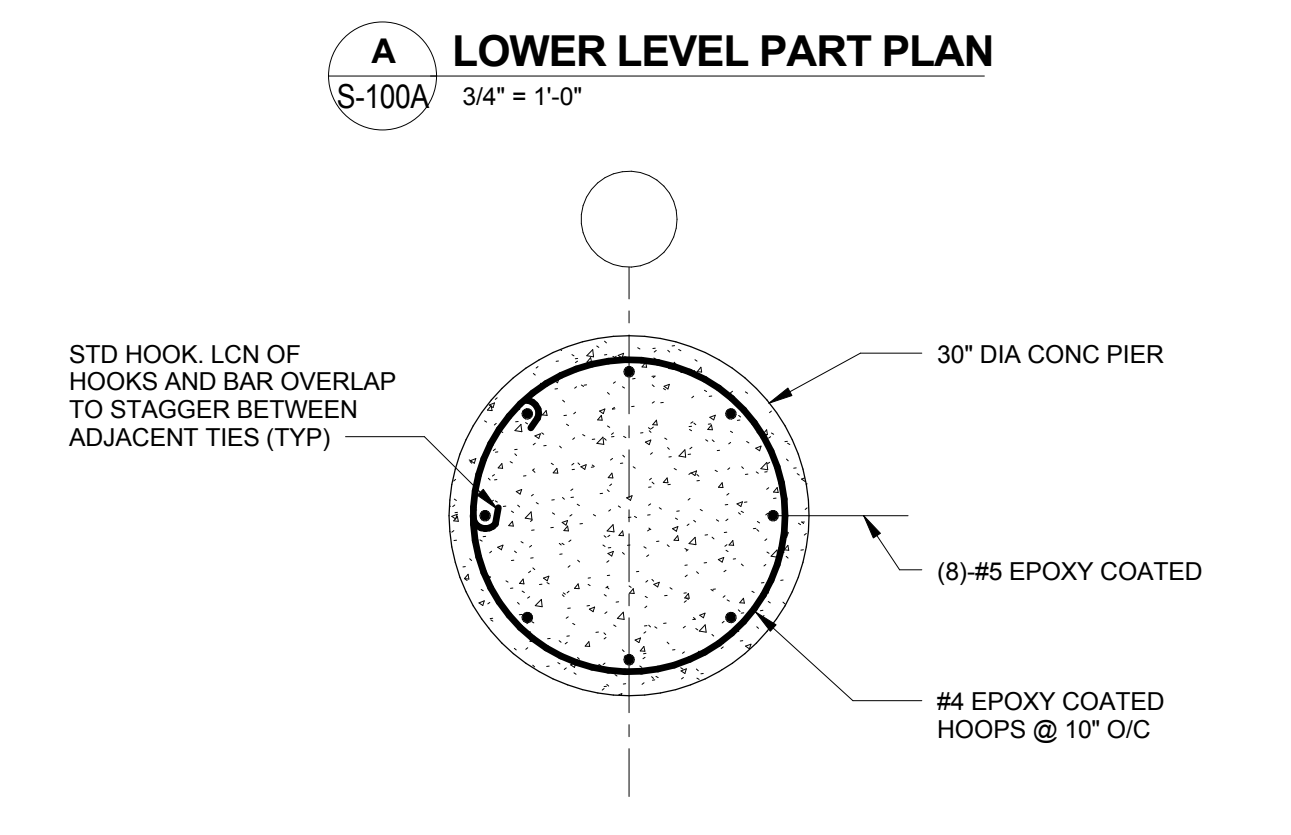
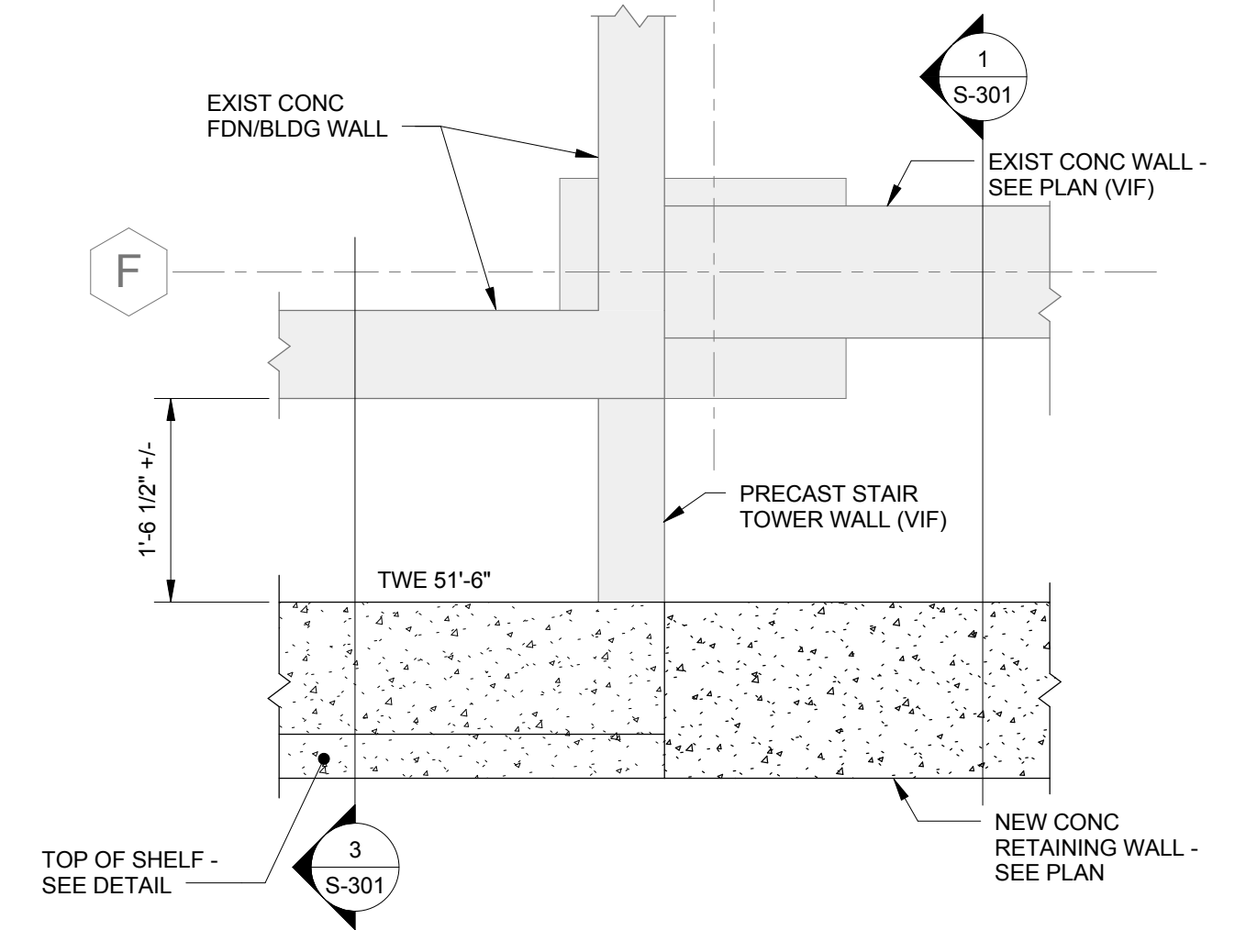
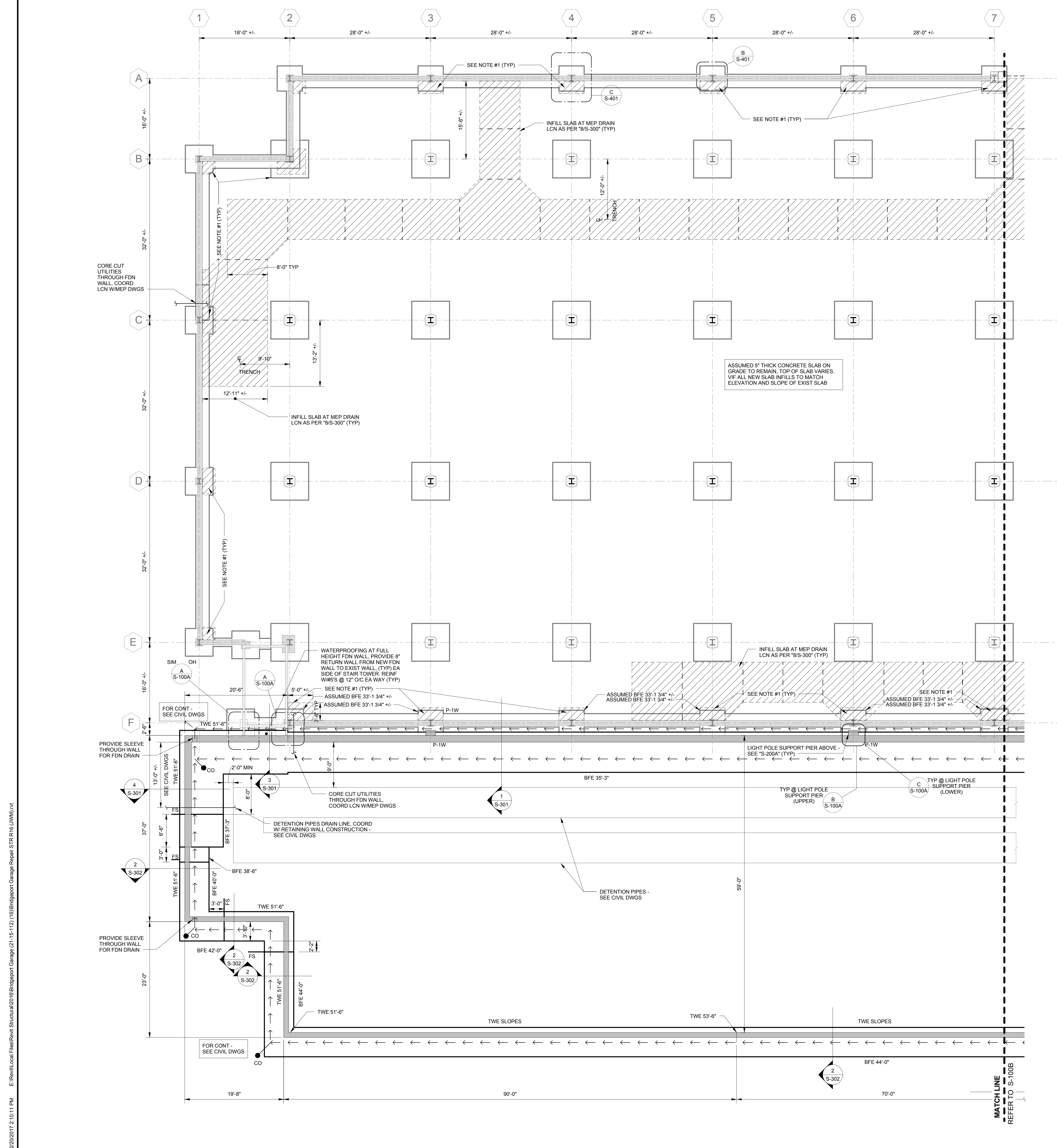
UPPER LEVEL - AREA 'B' DEMO PLAN
1/8" = 1'-0"

- REMOVE EXISTING PARKING DECK CONCRETE SLAB ON METAL DECK AND ASSOCIATED SHEAR STUDS IN ITS ENTIRETY. DO NOT DAMAGE EXISTING CONCRETE WALL OR STEEL BEAMS TO REMAIN.
- REMOVE NOTED EXISTING STEEL BEAM IN ITS ENTIRETY. SHORE ANY SUPPORTED STEEL BEAMS DOWN TO GRADE.
- REMOVE AND DISPOSE OF EXISTING CONCRETE PANELS AND THE EXISTING STEEL VEHICLE BARRIER IN THEIR ENTIRETY FROM THE PERIMETER OF THE PARKING STRUCTURE. DO NOT DAMAGE EXISTING STEEL COLUMNS OR STEEL BEAMS. THE EXISTING PANELS ARE VERTICALLY SUPPORTED AT THEIR BASE WITH HORIZONTAL BRACING CONNECTIONS AT THE TOP OF THE PERIMETER BEAM AND AT THE EXISTING STEEL VEHICLE BARRIER. THE BRACING CONNECTIONS ARE SIGNIFICANTLY RUSTED. DO NOT REMOVE THE PRECAST STAIR TOWER WALLS.
- SHORE EXISTING BEAMS AS REQUIRED. REMOVE AND REPLACE BOLTS AT CONNECTION TO SUPPORTING MEMBERS FOR EAST WEST GIRDERS ON THE SOUTH SIDE OF THE EXPANSION JOINT.
- STEEL FABRICATOR TO REVIEW EXISTING CONNECTIONS AS REQUIRED TO DESIGN AND PROVIDE NEW CONNECTIONS FOR ALL NEW TO EXISTING STEEL BEAMS.
- STEEL CONTRACTOR TO PROVIDE TEMPORARY LATERAL BRACING OF STRUCTURAL STEEL DURING CONSTRUCTION UNTIL NEW MOMENT FRAME CONNECTIONS ARE COMPLETE AND NEW COMPOSITE CONCRETE STRUCTURAL SLAB ATTAINS THE SPECIFIED STRENGTH.
- SHORE EXISTING STEEL STRUCTURE AS REQUIRED AND REMOVE ALL EXISTING BEAM SLIDE BEARING ASSEMBLIES ALONG COLUMN LINES 'V' AND 'V'.

MATCH LINE
REFER TO S-100A



drawing title UPPER LEVEL FRAMING PLAN AREA 'B' DEMOLITION PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date
			12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		scale As indicated	drawn by JMM
CAD no. STR R16.rvt		approved by MLI	drawing no. SD-201B
project no. BL-MH-121		date 12-01-2017	



LOWER LEVEL - AREA 'A'
1/8" = 1'-0"

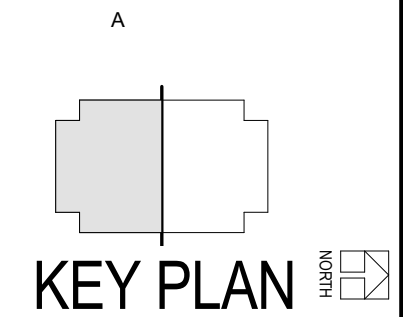
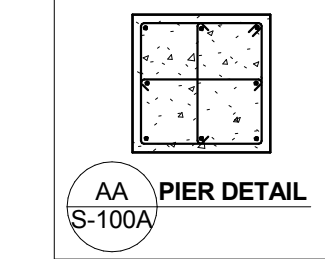
1. INFILL REMOVED SLAB. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
2. ELEVATIONS NOTED CORRESPOND TO SURVEY ELEVATION NOTED ON THE CIVIL DRAWINGS.
3. CO INDICATES FOUNDATION DRAIN CLEAN OUT. SEE DETAIL '9/S-300'.

MARK	SIZE		REINFORCING		PIER DETAIL
	HEIGHT	WIDTH	VERTICAL	HORIZONTAL TIES	
P-1W	24"	24"	(8)#5	#4 @ 12" O/C	'AA/S-100A'
P-2	30"	30"	(8)#5	#4 @ 12" O/C	'AA/S-100A'

NOTES:

1. DOWEL ALL VERTICAL PIER REINFORCING INTO FOOTINGS.
2. SUFFIX "W" INDICATES THE PIER SHALL BE POURED INTEGRALLY WITH FOUNDATION WALL.
3. ALL PIER REINFORCING SHALL BE CENTERED ABOUT COLUMN CENTERLINES.
4. PIER SIZES SHOWN ARE EFFECTIVE PIER SIZES. ARCHITECTURAL DIMENSIONS MAY VARY.
5. TOP OF LIGHT POLE SUPPORT PIER TO BE 4'-0" ABOVE TOP OF ADJACENT CONCRETE SLAB.

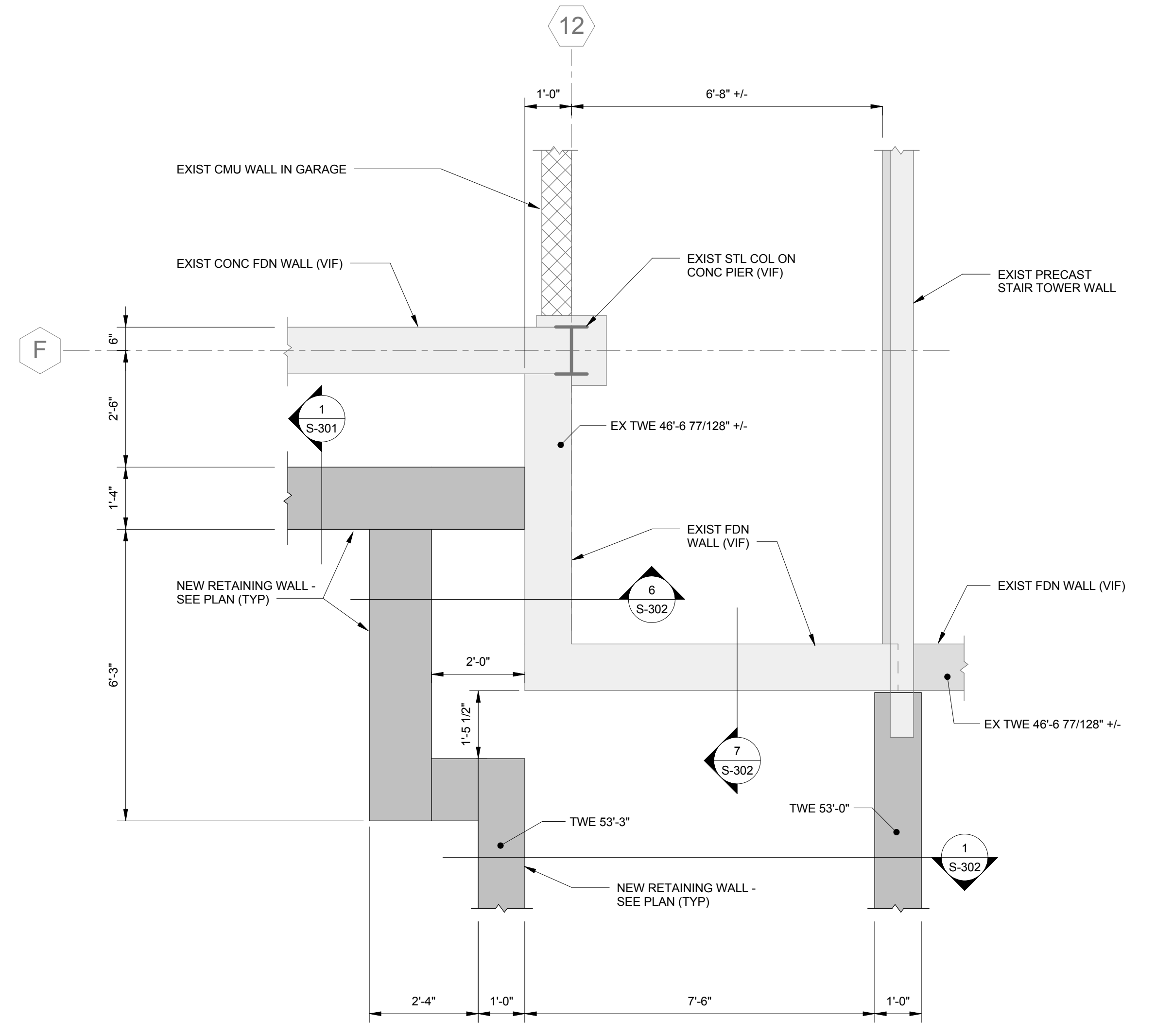
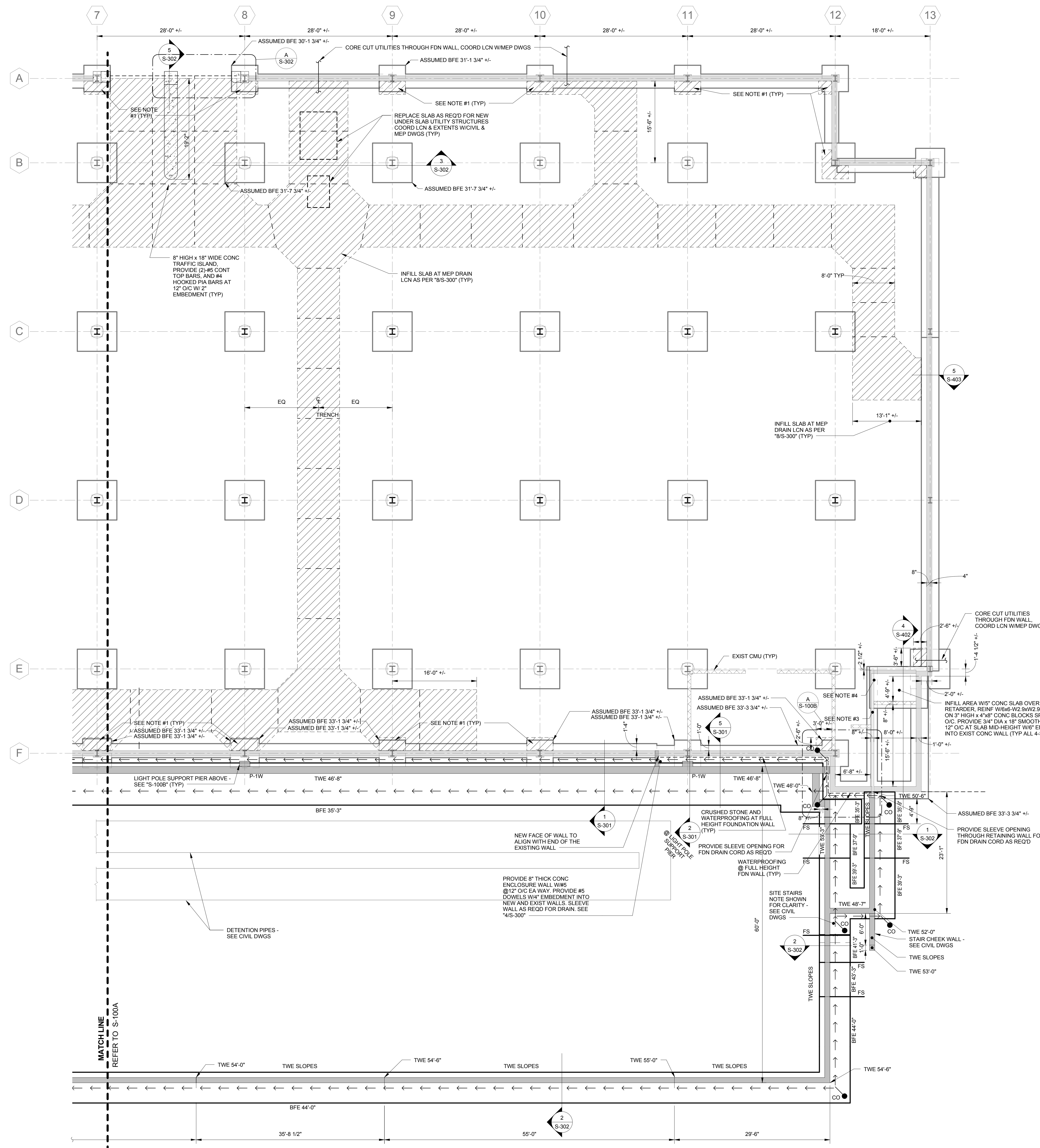
FOUNDATION PLAN SYMBOL LEGEND	
- - -	INDICATES CONTROL JOINT. SEE TYPICAL DETAIL ON 'S-300'.
->->	INDICATES 6" DIAMETER FOOTING DRAIN TO BE PLACED IN FREE DRAINING MATERIAL. SEE REFERENCED DETAILS FOR APPROXIMATE FOOTING DRAIN INVERT ELEVATION.



drawing title LOWER LEVEL AREA 'A'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated scrvices	date 12-01-2017
mark	date	description	scale As Indicated
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		drawn by JMM	approved by MLI
CAD no. STR R16.rvt		issued no. BLMH-121	drawing no. S-100A

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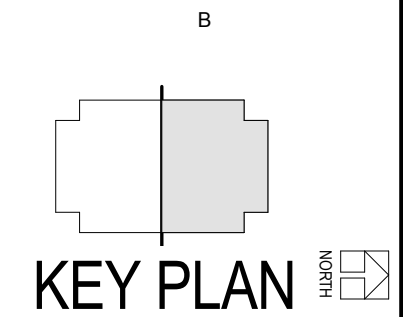


A LOWER LEVEL PART PLAN
S-100B 1/2" = 1'-0"

LOWER LEVEL - AREA 'B'

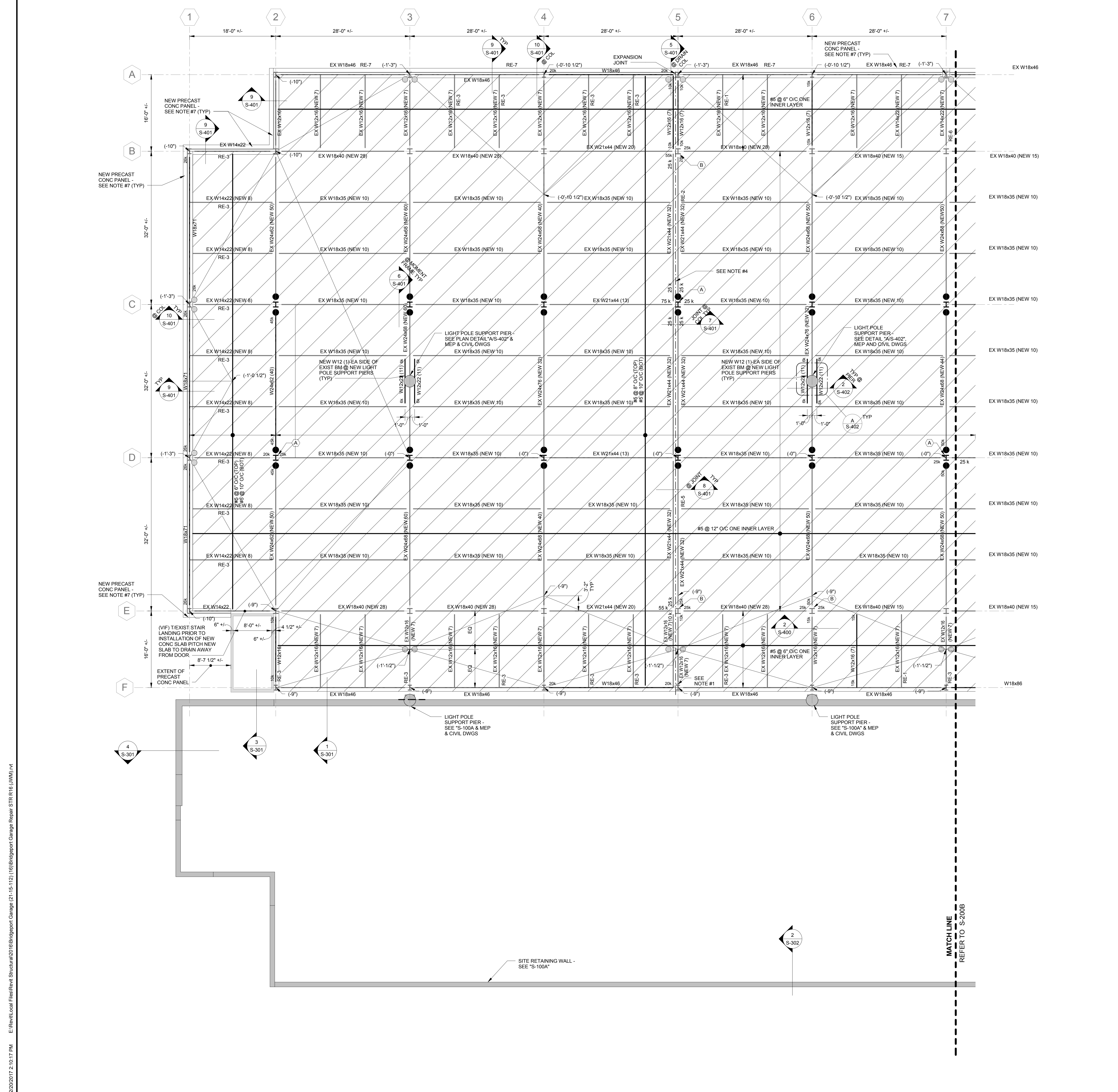
1/8" = 1'-0"

1. INFILL REMOVED SLAB, SEE NARRATIVE AND TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
2. SEE 'S-100A' FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. REMOVE LOOSE/DETERIORATED CONCRETE AND REPAIR/RESTORE CONCRETE WALL, INCLUDING ANY HOLES IN THE EXISTING WALL (INFILL WITH DRY PACK).
4. INFILL EXISTING WALL OPENING AROUND EXISTING UTILITIES.

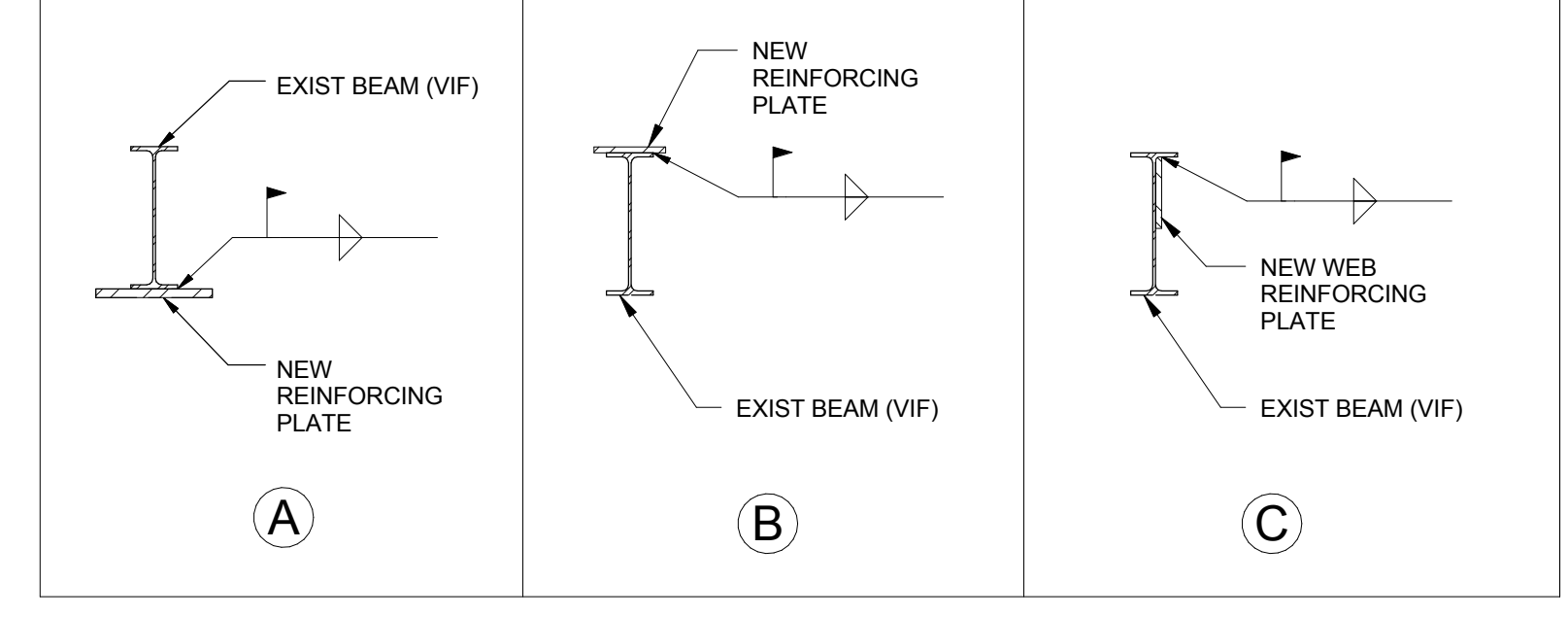


drawing title LOWER LEVEL AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	As Indicated	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JMM	approved by MLI	drawing no. S-100B
CAD no. STR R16.rvt			project no. BLMH-121	drawing no. S-100B	





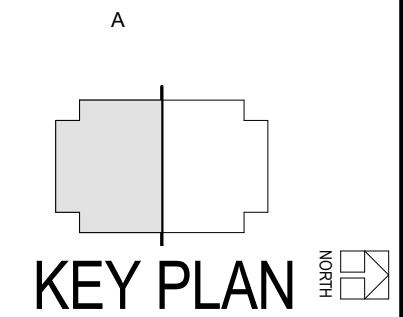
EXISTING STEEL BEAM REINFORCING					
DESIGNATION	DETAIL	REINFORCING	WELD ALONG LENGTH	END WELD	NOTES
RE-1	A	1/4"x8"x15'-0" PLATE	1/4" WELD 2" LONG @ 12" O/C	1/4" WELD 10" CONT EACH END	1. CENTER REINFORCING ON BEAM LENGTH.
RE-2	A	1/2"x8"x27'-0" PLATE	1/4" WELD 3" LONG @ 12" O/C	1/4" WELD 20" CONT EACH END	2. STRUCTURAL CONCRETE SLAB NOT SHOWN FOR CLARITY.
RE-3	B	1/2"x3"x15'-0" PLATE	1/4" WELD 2" LONG @ 12" O/C	SEE DETAIL	SEE DETAIL
RE-4	B	3/4"x5"x27'-0" PLATE	1/4" WELD 4" LONG @ 12" O/C	1/4" WELD 20" LONG EACH END	
RE-5	B	3/4"x5"x30'-0" PLATE	1/4" WELD 4" LONG @ 12" O/C	1/4" WELD 26" LONG EACH END	
RE-6	C	3/4"x10"x15'-0" PLATE	3/16" WELD 3" LONG @ 12" O/C	3/16" WELD 36" LONG EACH END	
RE-7	A	3/8"x8"x27'-0" PLATE	1/4" WELD 2" LONG @ 12" O/C	1/4" WELD 16" LONG EACH SIDE	



CONCRETE SYMBOL LEGEND	
	INDICATES AREA OF NEW 5 1/2" THICK MINIMUM FORMED CONCRETE SLAB. SEE PLAN FOR REINFORCING. PROVIDE 1 1/2" CLEARANCE TOP AND BOTTOM. CONTRACTOR TO PROVIDE SHORING FOR ALL STEEL BEAMS DOWN TO GRADE.
	FLOOR DRAIN COORDINATE FINAL LOCATION AND ADDITIONAL REQUIREMENTS WITH MEP DRAWINGS.

COLUMN DEMO NOTES	
(A)	NEW STEEL COLUMN TO BE SPliced ON TOP OF THE EXISTING STEEL COLUMN. TOP TO BE 1/2" ABOVE THE TOP OF THE TOP MOMENT CONNECTION PLATE. PROVIDE MOMENT CONNECTIONS TO MATCH EXISTING.
(B)	NEW STEEL COLUMN TO BE SPliced ON TOP OF THE EXISTING STEEL COLUMN. TOP TO BE 1/2" ABOVE THE TOP OF THE TOP OF STEEL BEAM ELEVATION.

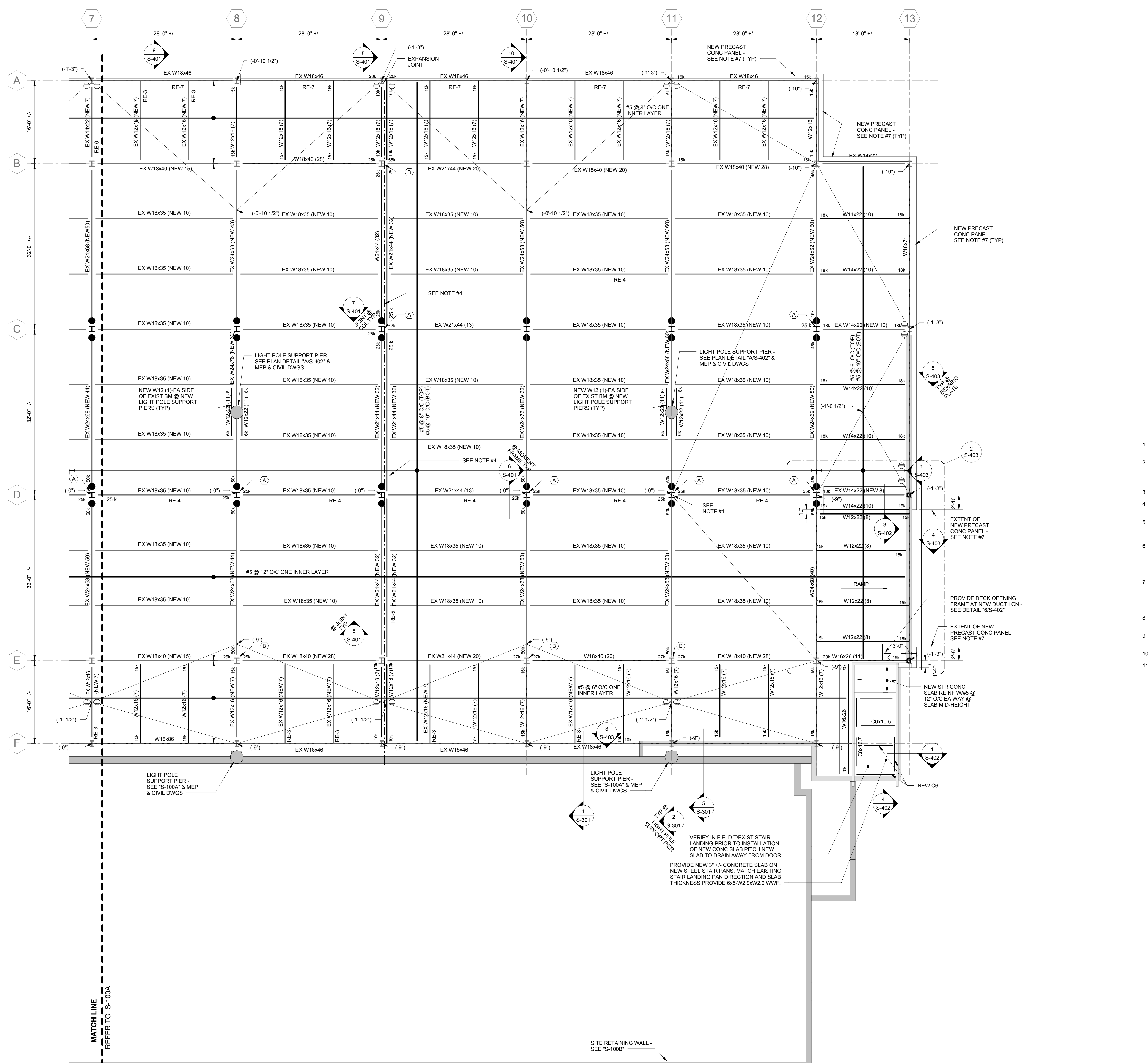
- UPPER LEVEL - AREA 'A'**
1/8" = 1'-0"
- ALL REINFORCING PLACED IN THE FORMED CONCRETE SLAB, THE EXISTING STEEL COLUMN ENCASEMENTS, THE SLAB ON GRADE TRANSITION SLAB AND THE LIGHT POLE SUPPORT PIERS IS TO BE EPOXY COATED.
 - (0'-0") - INDICATES TOP OF STRUCTURAL SLAB ELEVATION WHICH IS REFERENCED FROM THE HIGH POINT OF THE STRUCTURAL SLAB ALONG LINE 'D' FROM '3' TO '11'. THIS 0'-0" ELEVATION EQUATES TO THE SURVEY ELEVATION OF 48.80'. THE TOP OF THE STRUCTURAL SLAB IS 5'-12" ABOVE THE TOP OF THE STEEL BEAMS ALONG LINE 'D' FROM '3' TO '11'.
 - NOT USED.
 - EXPANSION JOINT. COORDINATE SLAB EDGES AS REQUIRED. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
 - (NEW 'X') NOTED ADJACENT TO EXISTING BEAM SIZES INDICATES THE NUMBER OF 3/4" DIAMETER X 4" HIGH HEADED STUD TYPE SHEAR CONNECTORS WELDED TO THE TOP FLANGE OF THE NOTED BEAM. SHEAR CONNECTORS TO BE EVENLY SPACED UNLESS OTHERWISE NOTED.
 - ALL EXISTING STEEL IS TO BE ABRASIVELY BLAST CLEANED OF ALL FINISHES DOWN TO BARE STEEL. EXISTING STEEL SHALL BE FIELD CLEANED AS PER SPECIFICATION SECTION 099600. THE CONTRACTOR IS TO PROVIDE CONTAINMENT AND PROTECTION AS REQUIRED TO NOT DISTURB THE SURROUNDING NEIGHBORHOOD. ALL STRUCTURAL STEEL NEW AND EXISTING IS TO RECEIVE A (3)-PART COATING SYSTEM AS DENOTED BY SPECIFICATION SECTION 099600 HIGH PERFORMANCE COATINGS.
 - NEW PRECAST CONCRETE PANELS 10" WIDE X 5'-8" TALL TO EXTEND AROUND PERIMETER OF GARAGE WITH THE EXCEPTION OF THE 'F' LINE. AT THE STAIR TOWERS AND ENTRY RAMPS, TOP OF PRECAST PANELS TO BE SET AT 3'-2" ABOVE THE REFERENCED 0'-0" TOP OF SLAB ELEVATION. SET THE BOTTOM OF THE NEW PRECAST PANELS AT 2'-11" BELOW THE 0'-0" TOP OF SLAB ELEVATION. SEE DETAILS FOR FURTHER INFORMATION. PANELS AND THEIR CONNECTIONS TO BE DESIGNED FOR 6000 LB HORIZONTAL VEHICULAR LOAD.
 - AT ALL LOCATIONS WHERE EXISTING STEEL IS ATTACHING TO NEW STEEL AND AT ALL NEW STEEL TO NEW STEEL CONNECTIONS STEEL FABRICATOR TO DESIGN AND PROVIDE NEW CONNECTIONS.
 - ALL EXISTING STEEL AND NEW SLAB TO BE SHORED DURING CONSTRUCTION UNTIL SLAB IS PLACED AND CONCRETE OBTAINS 28 DAY COMPRESSIVE DESIGN STRENGTH.
 - REPLACE DETERIORATED STAIR PANS AND TREADS. SEE DETAIL "5S-402".
 - PROVIDE NEW SLIDE BEARING ASSEMBLIES ALONG COLUMN LINES '5' AND '9' TO REPLACE EXISTING ASSEMBLIES. CONTRACTOR TO SCHEDULE INSTALLATION SO NEW SLIDE BEARING ASSEMBLIES ARE NOT DAMAGED BY STEEL CLEANING AND PAINTING PROCESS. SEE DETAIL "7A/S-401" FOR ADDITIONAL INFO.



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drawing title UPPER LEVEL FRAMING PLAN AREA 'A'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	
mark	date	description	date
			12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		scale As indicated	drawn by JMM
CAD no. STR R16.rvt		approved by MLI	drawing no. S-200A
BL-MH-121			

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COLUMN DEMO NOTES

(A) NEW STEEL COLUMN TO BE SPICED ON TOP OF THE EXISTING STEEL COLUMN. TOP TO BE 1/2\"/>

(B) NEW STEEL COLUMN TO BE SPICED ON TOP OF THE EXISTING STEEL COLUMN. TOP TO BE 1/2\"/>

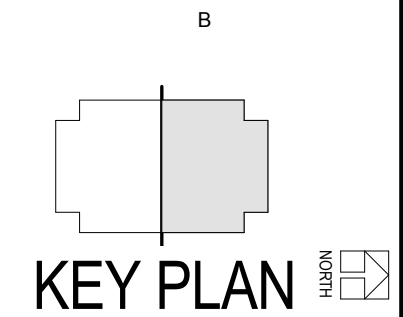
CONCRETE SYMBOL LEGEND

INDICATES AREA OF NEW 5/2\"/>

FLOOR DRAIN COORDINATE FINAL LOCATION AND ADDITIONAL REQUIREMENTS WITH MEP DRAWINGS.

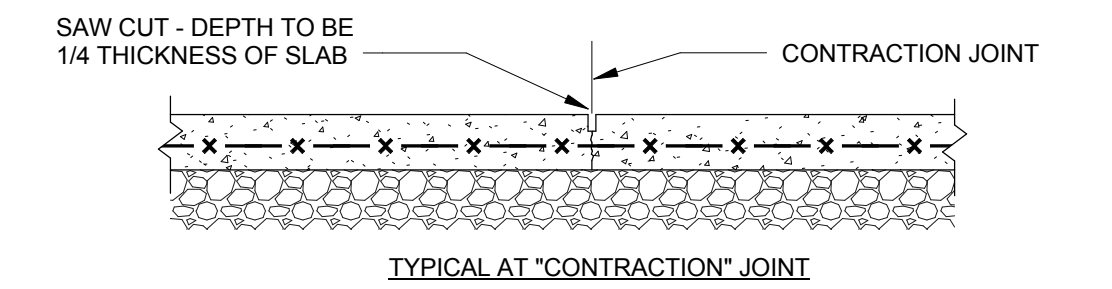
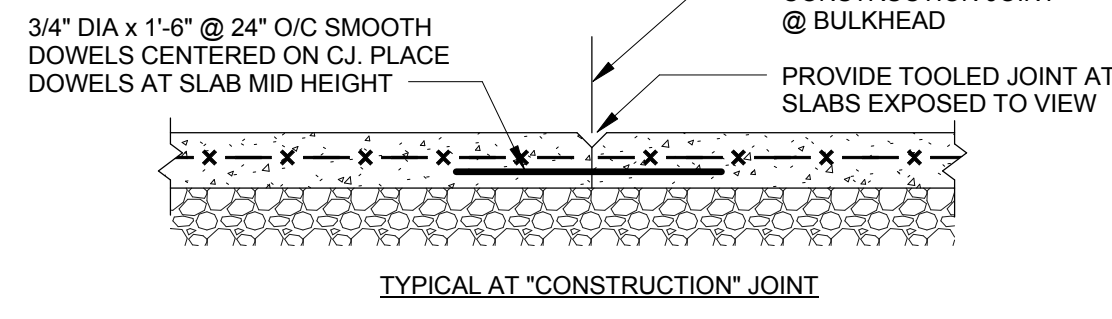
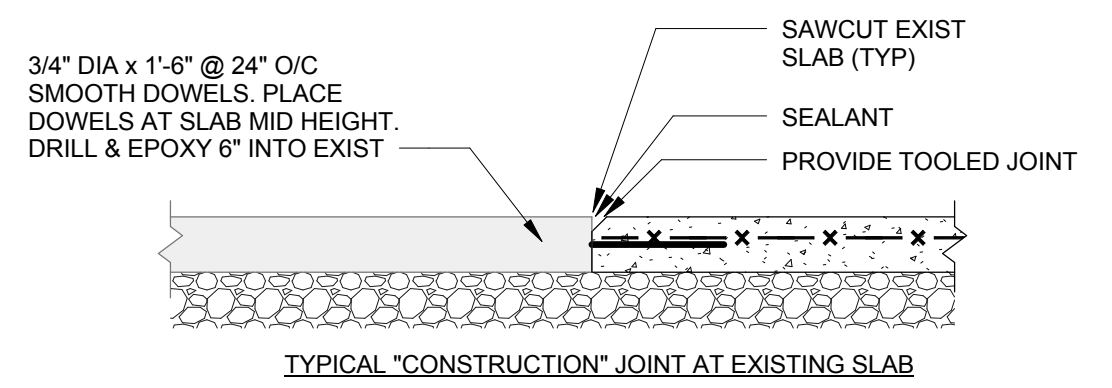
UPPER LEVEL - AREA 'B'

- 1.5\"/>
- ALL REINFORCING PLACED IN THE FORMED CONCRETE SLAB, THE EXISTING STEEL COLUMN ENCASUREMENTS, THE SLAB ON GRADE TRANSITION SLAB AND THE LIGHT POLE SUPPORT PIERS IS TO BE EPOXY COATED.
 - (0'-0\") INDICATES TOP OF STRUCTURAL SLAB ELEVATION WHICH IS REFERENCED FROM THE HIGH POINT OF THE STRUCTURAL SLAB ALONG LINE 'D' FROM '3' TO '11'. THIS 0'-0\"/>
 - NOT USED.
 - EXPANSION JOINT. COORDINATE SLAB EDGES AS REQUIRED. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
 - (NEW 'X') NOTED ADJACENT TO EXISTING BEAM SIZES INDICATES THE NUMBER OF 3/4\"/>
 - ALL EXISTING STEEL IS TO BE ABRASIVELY BLAST CLEANED OF ALL FINISHES DOWN TO BARE STEEL. EXISTING STEEL SHALL BE FIELD CLEANED AS PER SPECIFICATION SECTION 099910 THE CONTRACTOR IS TO PROVIDE CONTAINMENT AND PROTECTION AS REQUIRED TO NOT DISTURB THE SURROUNDING NEIGHBORHOOD. ALL STRUCTURAL STEEL NEW AND EXISTING IS TO RECEIVE A (3)-PART COATING SYSTEM AS DENOTED BY SPECIFICATION SECTION 099900 HIGH PERFORMANCE COATINGS.
 - NEW PRECAST CONCRETE PANELS 10\"/>
 - AT ALL LOCATIONS WHERE EXISTING STEEL IS ATTACHING TO NEW STEEL AND AT ALL NEW STEEL TO NEW STEEL CONNECTIONS STEEL FABRICATOR TO DESIGN AND PROVIDE NEW CONNECTIONS.
 - ALL EXISTING STEEL AND NEW SLAB TO BE SHORED DURING CONSTRUCTION UNTIL SLAB IS PLACED AND CONCRETE OBTAINS 28 DAY COMPRESSIVE DESIGN STRENGTH.
 - REPLACE DETERIORATED STAIR PANS AND TREADS. SEE DETAIL 'S/S-402'.
 - PROVIDE NEW SLIDE BEARING ASSEMBLIES ALONG COLUMN LINES '5' AND '9' TO REPLACE EXISTING ASSEMBLIES. CONTRACTOR TO SCHEDULE INSTALLATION SO NEW SLIDE BEARING ASSEMBLIES ARE NOT DAMAGED BY STEEL CLEANING AND PAINTING PROCESS. SEE DETAIL '7A/S-401' FOR ADDITIONAL INFO.



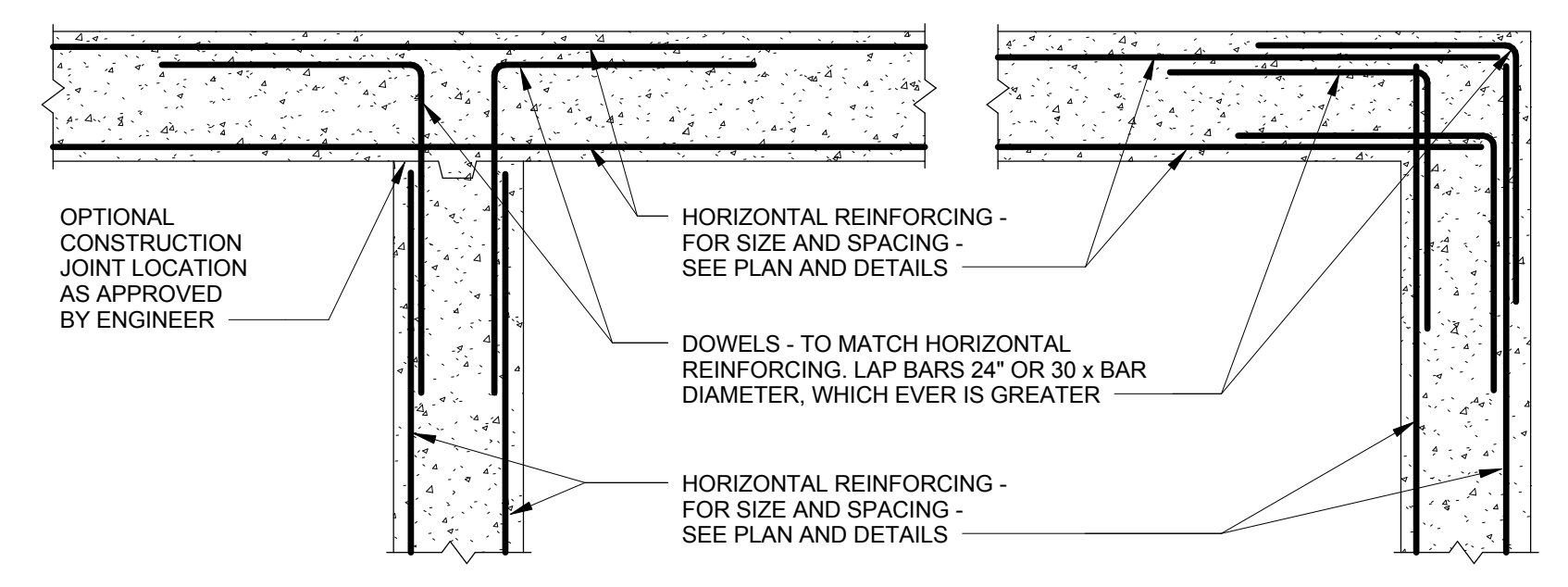
drawing title UPPER LEVEL FRAMING PLAN AREA 'B'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrated services		date 12-01-2017	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		scale As Indicated	
CAD no. STR R16.rvt		project no. BL-MH-121	
drawing no. S-200B		approved by MJI	



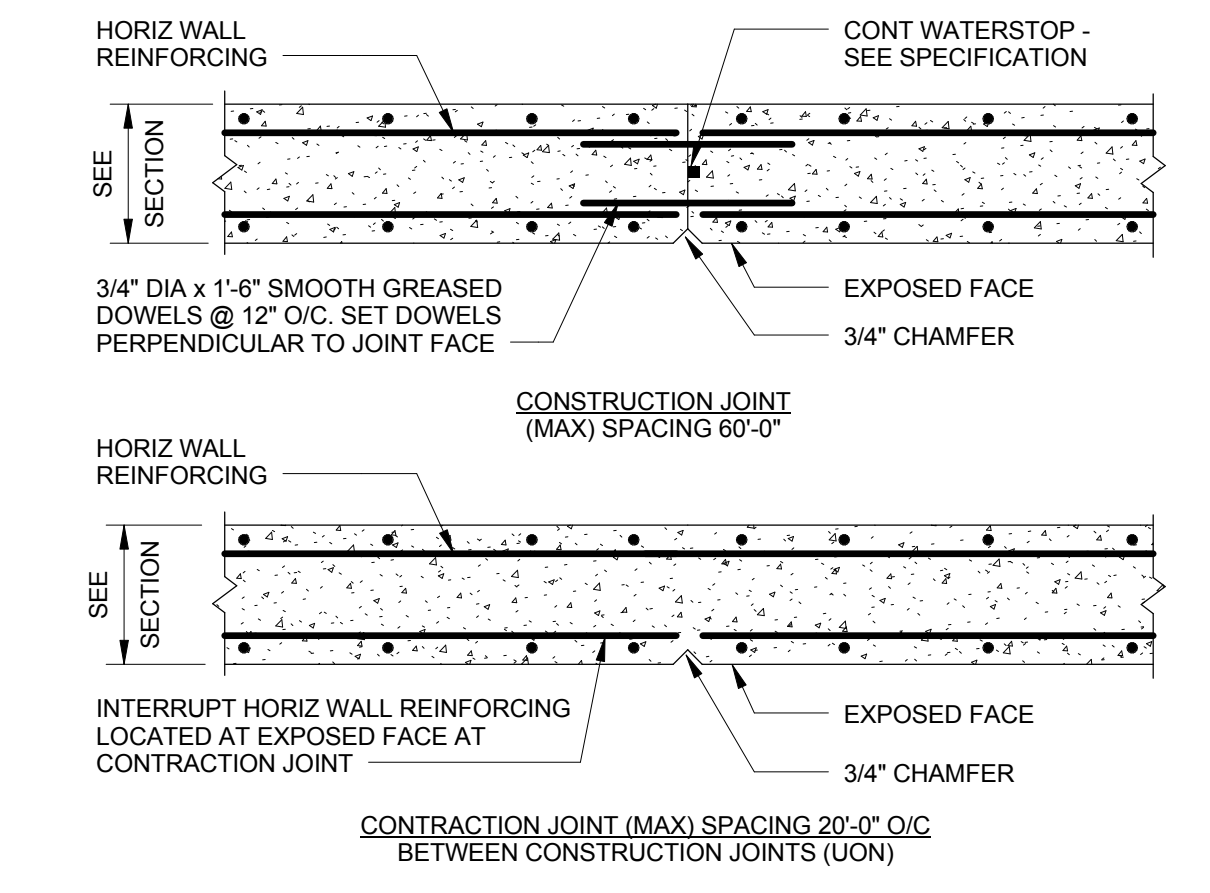


- NOTES:**
- SAW CUT JOINTS IMMEDIATELY AFTER FINISHING SLAB.
 - CONSTRUCTION JOINT MAY REPLACE A CONTRACTION JOINT.
 - SEE SPECIFICATIONS FOR CALK OR FILLER REQUIREMENTS AT CONSTRUCTION AND CONTRACTION JOINTS.
 - COORDINATE FINAL LAYOUT WITH ARCHITECTURAL FINISHES.

1 TYPICAL SLAB ON GRADE JOINT DETAILS
S-300 NOT TO SCALE

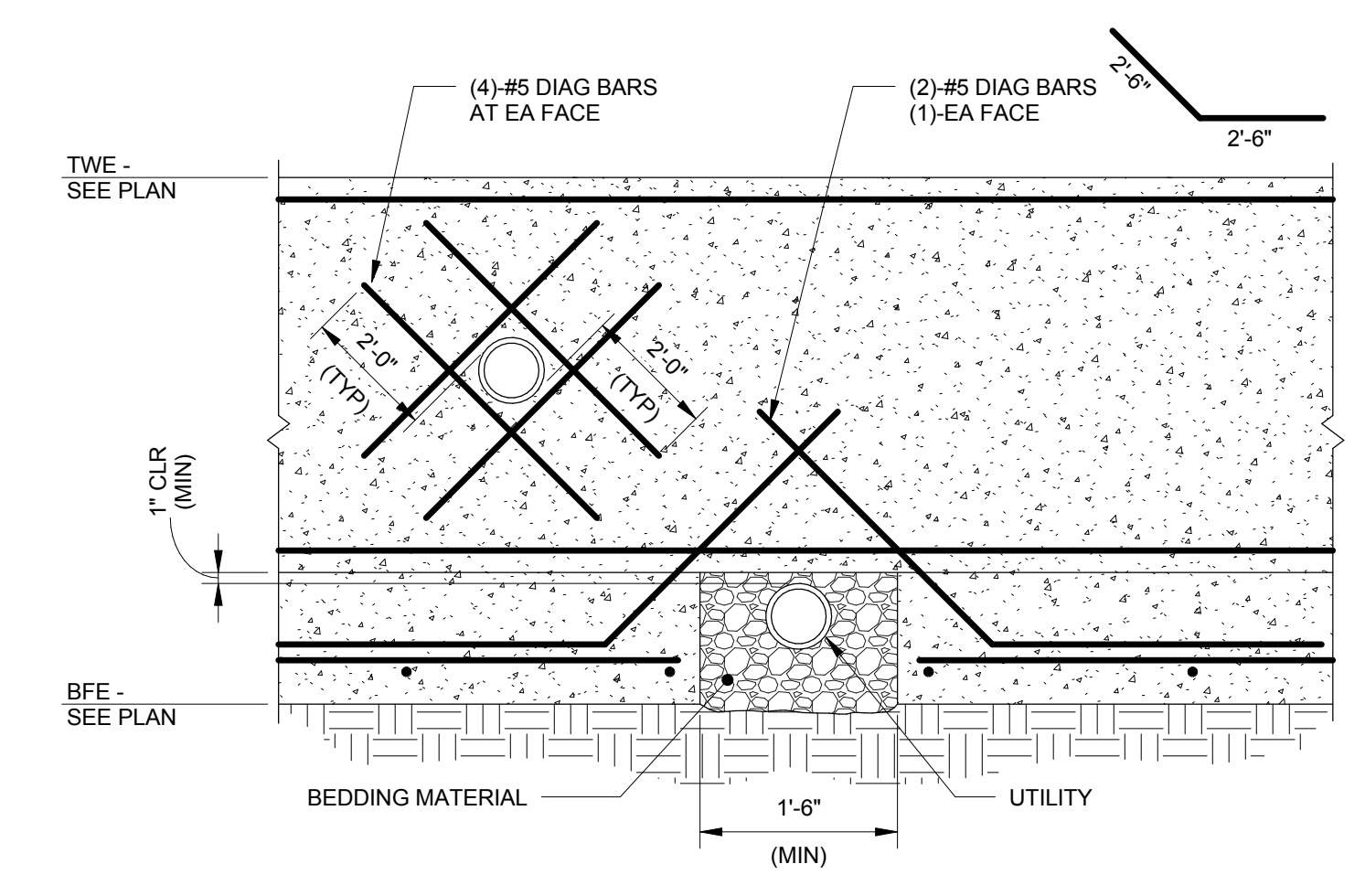


2 TYPICAL CONCRETE WALL HORIZONTAL CORNER BAR DETAIL
S-300 NOT TO SCALE



- NOTES:**
- INDICATE CONSTRUCTION JOINT LAYOUT AND REINFORCING REQUIREMENTS ON SHOP DRAWINGS. PLACE CONSTRUCTION JOINTS AT 6'-0\"/>
 - NO CONSTRUCTION JOINTS ARE TO BE PLACED WITHIN 4'-0\"/>

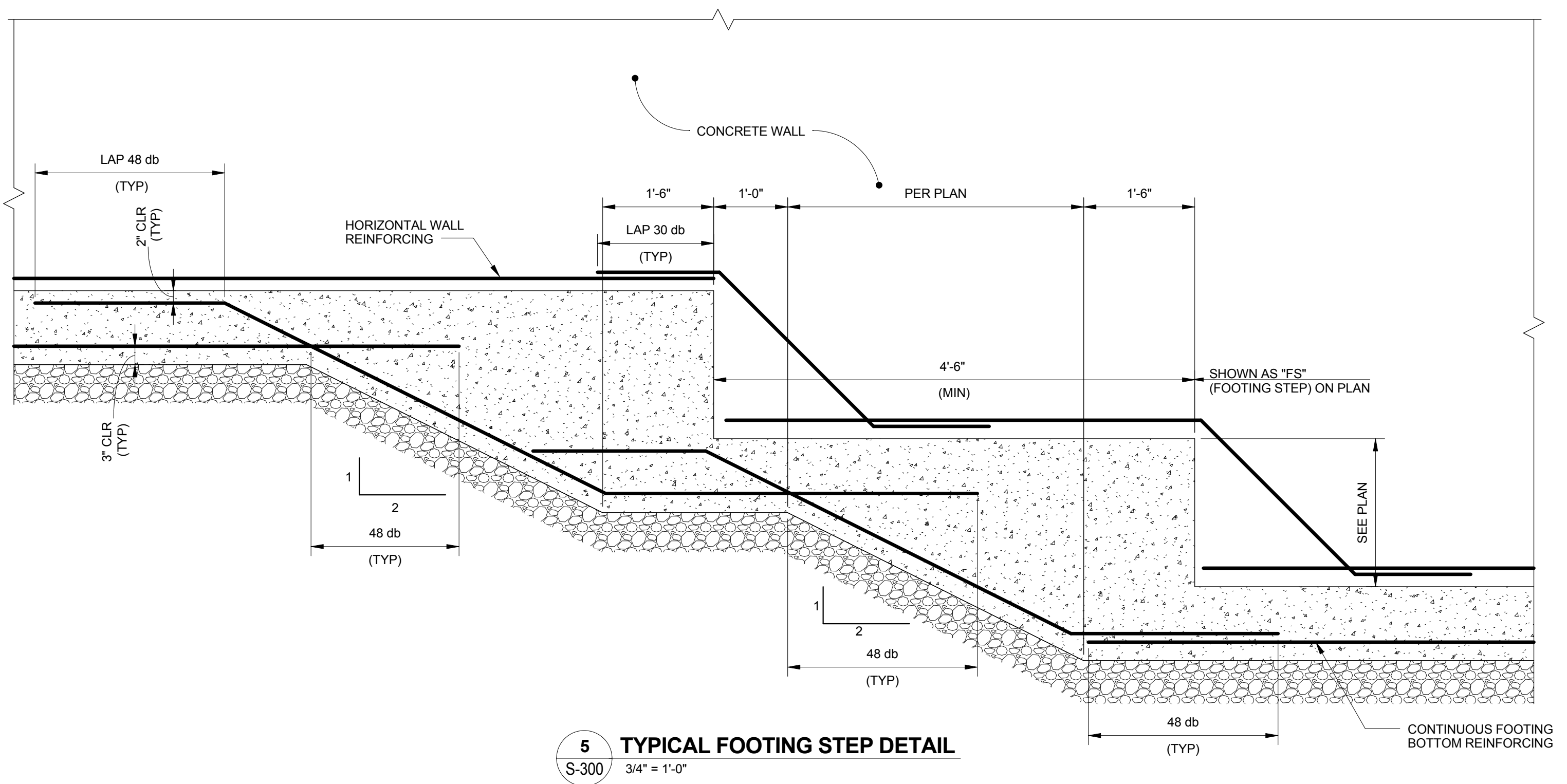
3 BASEMENT AND RETAINING WALL CONTRACTION AND CONSTRUCTION JOINT DETAIL
S-300 NOT TO SCALE



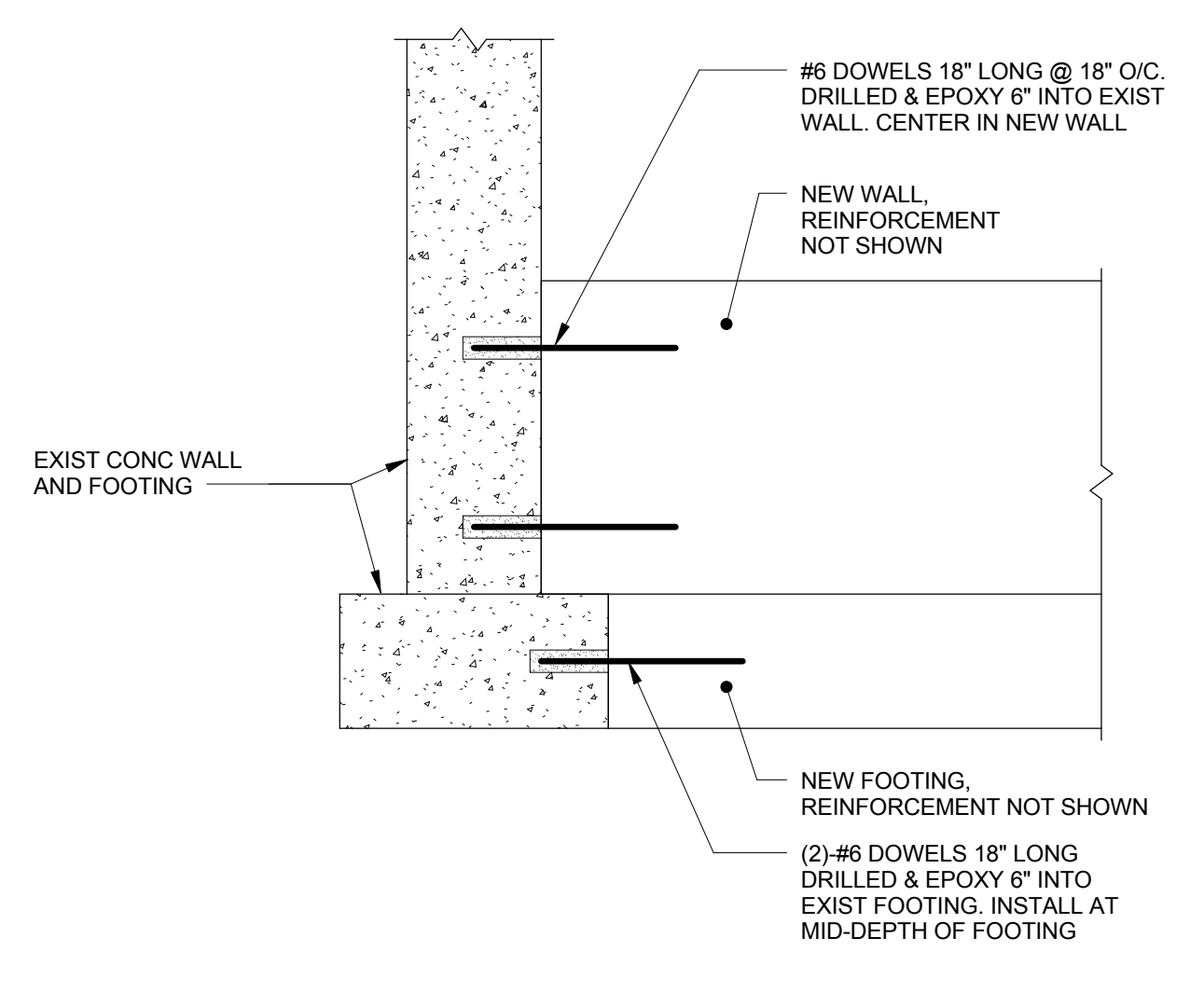
4 TYPICAL UTILITY FOUNDATION / WALL PENETRATION
S-300 NOT TO SCALE

BAR SIZE	f _c =4000 PSI				f _c =5000 PSI			
	TENSION		COMPRESSION	TENSION		COMPRESSION		
	L _d (IN)	1.3 L _d (IN)	1.5 L _d (IN)	L _d (IN)	1.3 L _d (IN)	1.5 L _d (IN)	L _d (IN)	
3	14	18	21	8	13	17	19	8
4	19	25	28	9	17	22	25	9
5	24	31	36	12	21	28	32	11
6	28	37	43	14	25	33	38	14
7	42	54	62	17	37	48	56	16
8	47	62	71	19	42	55	64	18
9	54	70	80	21	48	62	72	20
10	60	78	90	24	54	70	81	23
11	67	87	100	27	60	78	90	25

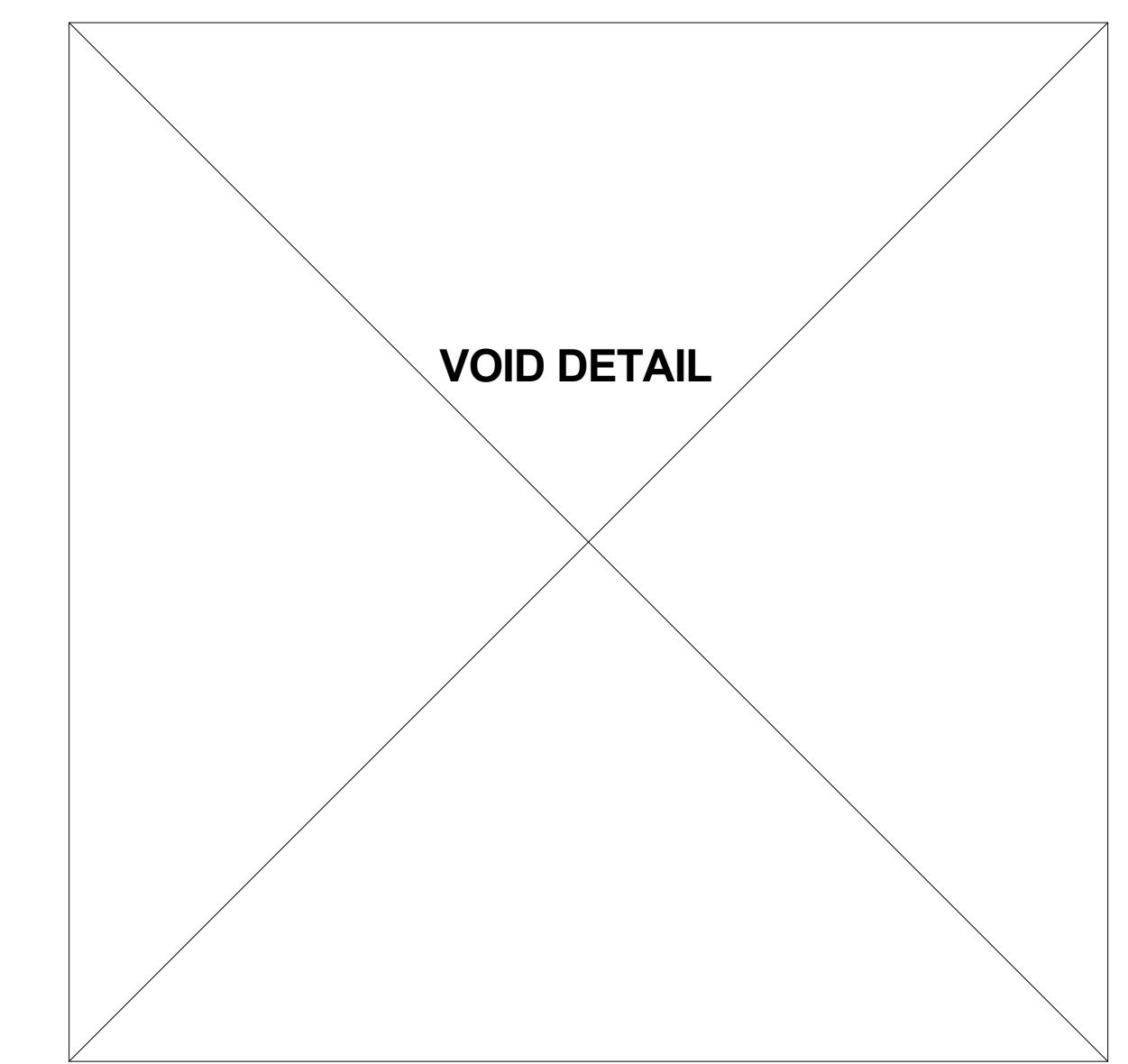
- NOTES:**
- L_d INDICATES DEVELOPMENT LENGTH OF REBAR.
 - D_b INDICATES BAR DIAMETER OF REBAR (INCHES).
 - MULTIPLY L_d VALUES BY:
 - 1.3 FOR LIGHTWEIGHT CONCRETE
 - 1.3 FOR "TOP BARS"
 - 1.5 FOR EPOXY COATED BARS WITH COVER < 3D_b OR CLEAR SPACING < 6D_b; OTHERWISE MULTIPLY BY 1.2. (NOTE: PRODUCT OF FACTORS B AND C NEED NOT EXCEED 1.7)
 - 1.5 FOR BARS WITH LESS THAN MINIMUM STIRRUPS OR TIES WITHIN L_d. CLEAR SPACING LESS THAN 2D_b OR CLEAR COVER LESS THAN D_b
 - 1.0 FOR CLASS "A" TENSION SPLICES
 - 1.3 FOR CLASS "B" TENSION SPLICES
 - COMPRESSION SPLICE LAP LENGTH = 30D_b (8" MINIMUM).



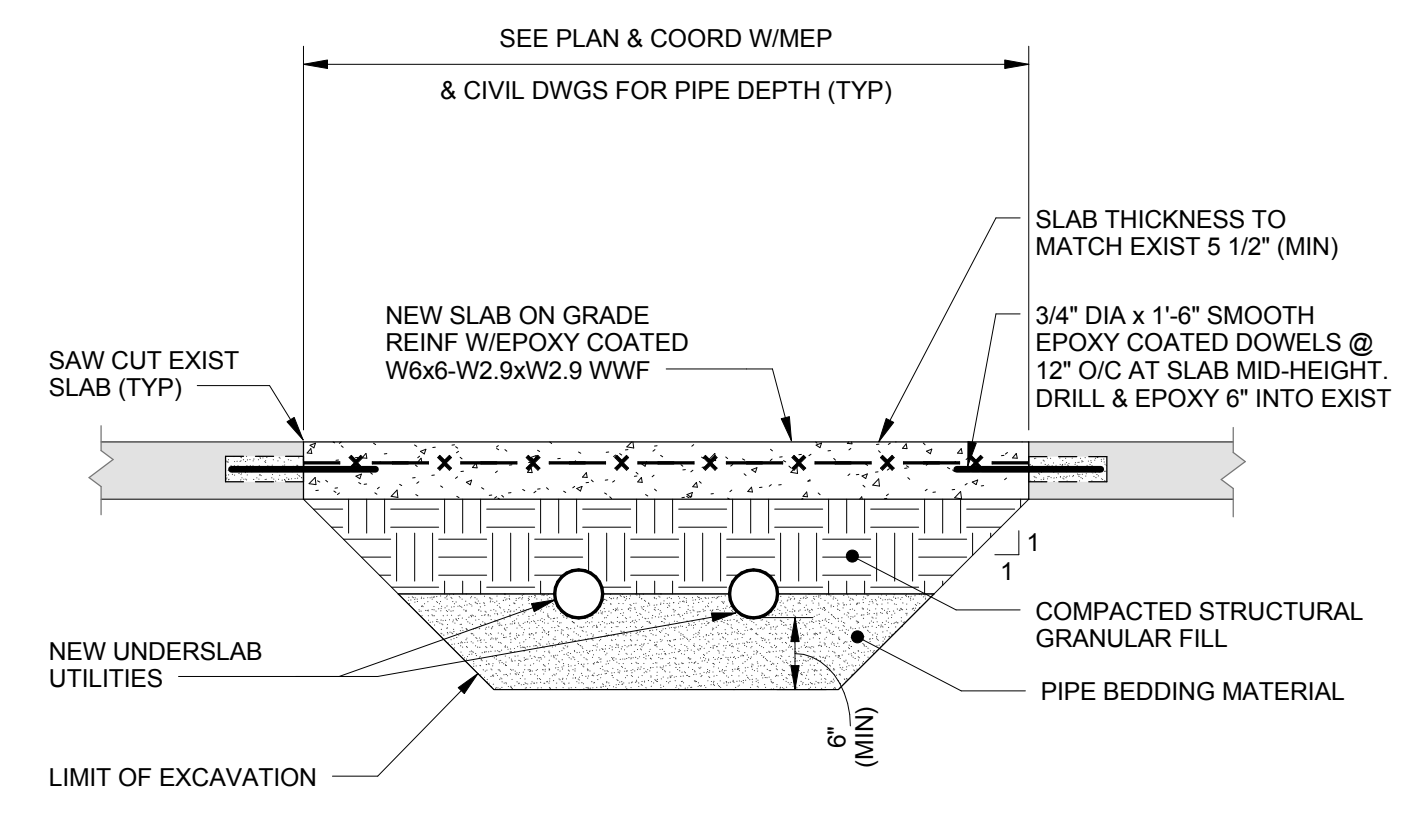
5 TYPICAL FOOTING STEP DETAIL
S-300 3/4\"/>



6 TYPICAL NEW FOUNDATION TO EXISTING
S-300 NOT TO SCALE

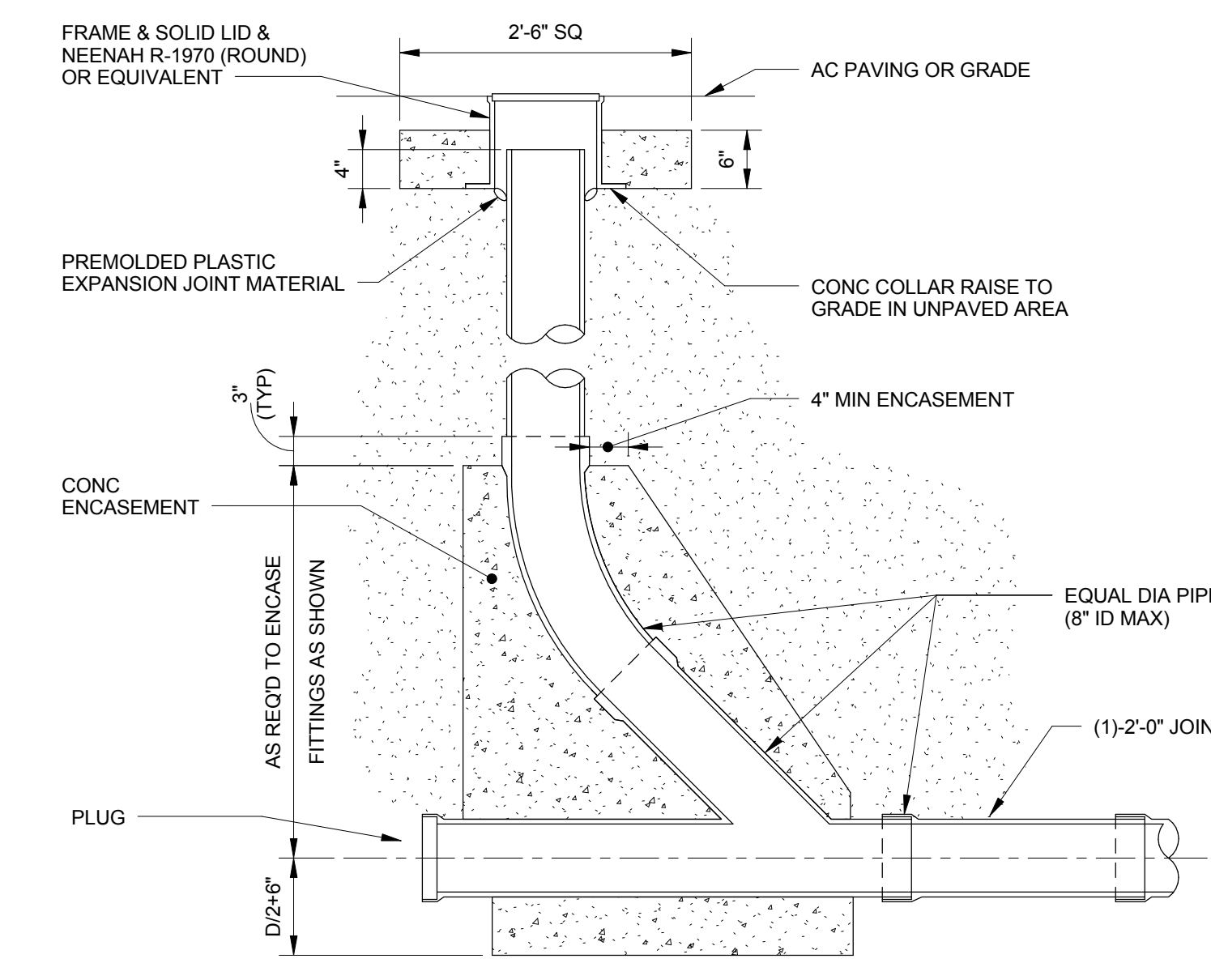


7 VOID DETAIL
S-300 3/4\"/>



- NOTES:**
- COORDINATE TRENCH LOCATIONS AND EXTENT WITH TRADES REQUIRING TRENCHES.
 - IF EDGE OF TRENCH OCCURS 3'-0\"/>

8 DETAIL - UTILITY TRENCH AT EXISTING
S-300 NOT TO SCALE



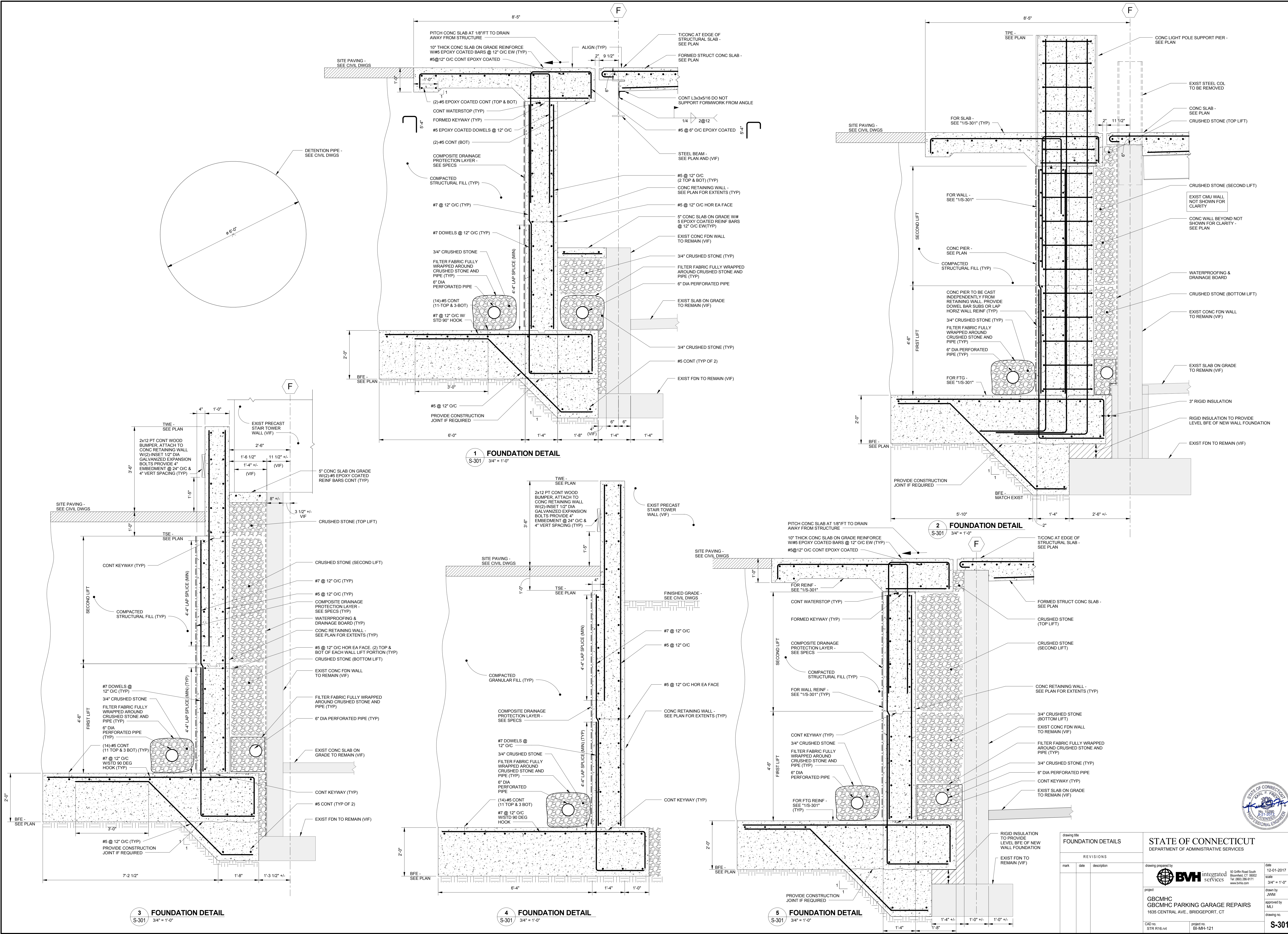
9 TYPICAL EXTERIOR DRAIN CLEAN OUT
S-300 3/4\"/>

12/20/2017 2:10:24 PM E:\external\local files\rev\Structural\2018\Bldg\pmp\Garage Repairs STR R16.rvt



FOUNDATIONS DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by		
mark	date	description	date	scale	date
			12-01-2017	3/4\"/>	
			drawing by JMM		
			approved by MLI		
			drawing no. S-300		

1/20/2017 2:10:27 PM E:\projects\local\file\rev\Structure\2018\Bridgport Garage Repair STR R16 (JMM).dwt



1 FOUNDATION DETAIL
S-301 3/4" = 1'-0"

2 FOUNDATION DETAIL
S-301 3/4" = 1'-0"

3 FOUNDATION DETAIL
S-301 3/4" = 1'-0"

4 FOUNDATION DETAIL
S-301 3/4" = 1'-0"

5 FOUNDATION DETAIL
S-301 3/4" = 1'-0"

drawing title
FOUNDATION DETAILS

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
BVH integrated services

date
12-01-2017

scale
3/4" = 1'-0"

project
GBCMHC
GBCMHC PARKING GARAGE REPAIRS
1835 CENTRAL AVE., BRIDGEPORT, CT

drawn by
JMM

approved by
MLI

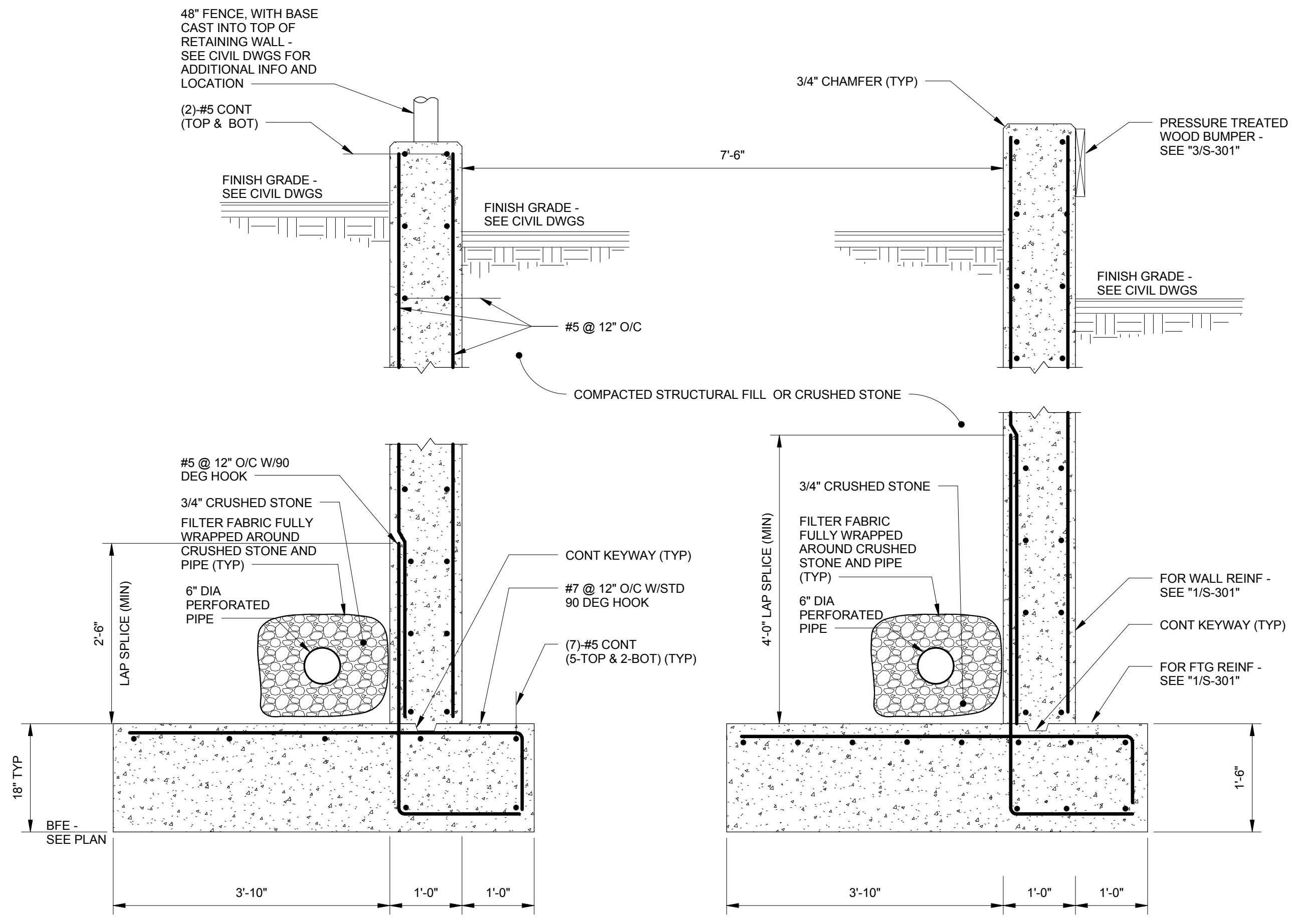
drawing no.
S-301

CAD no.
STR R16.rvt

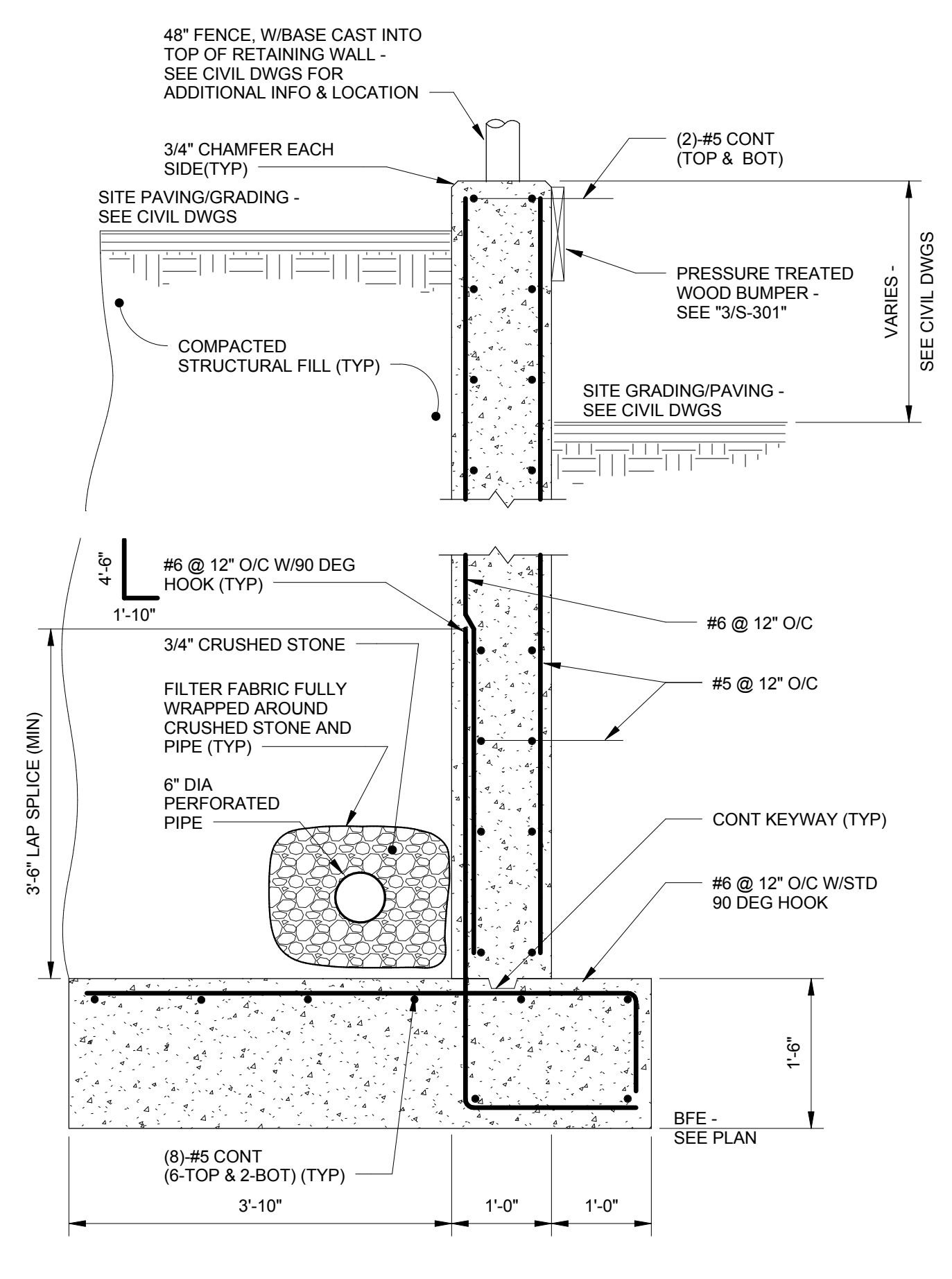
project no.
BL-MH-121

REVISIONS		
mark	date	description

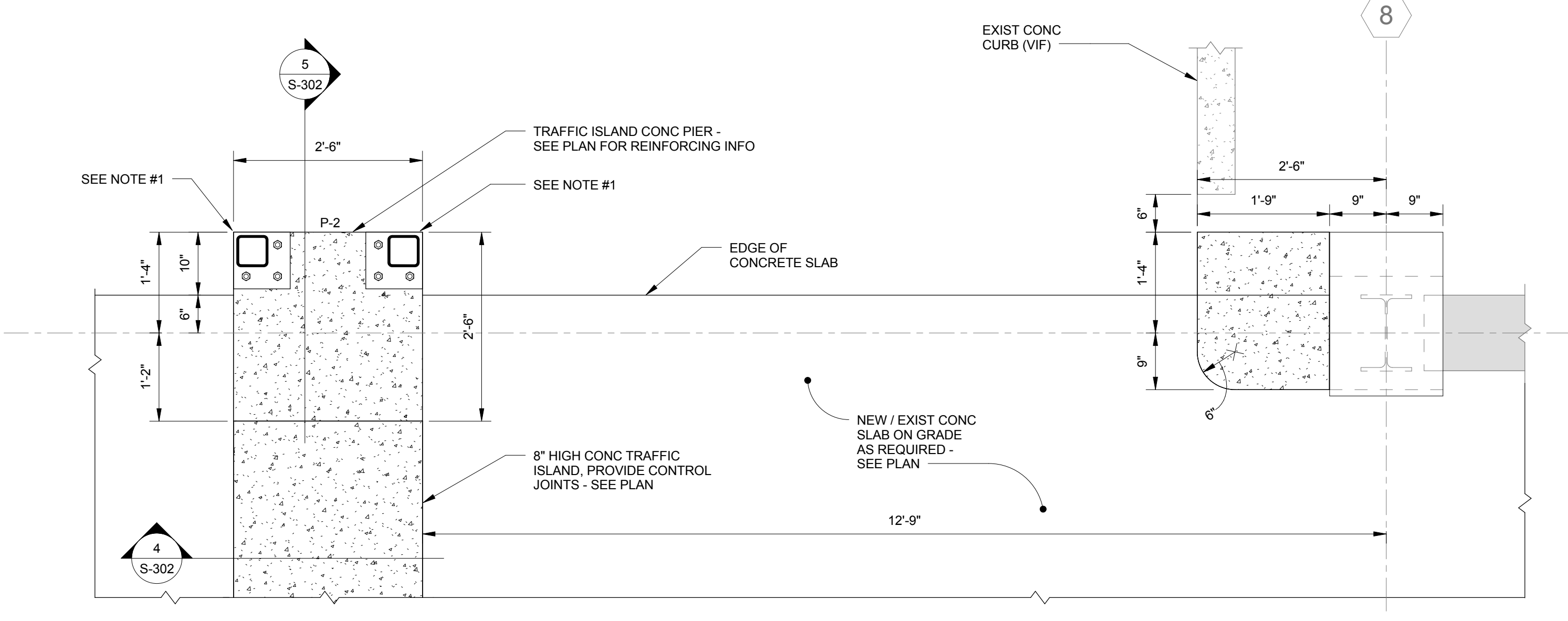




1 FOUNDATION DETAIL
S-302 3/4" = 1'-0"

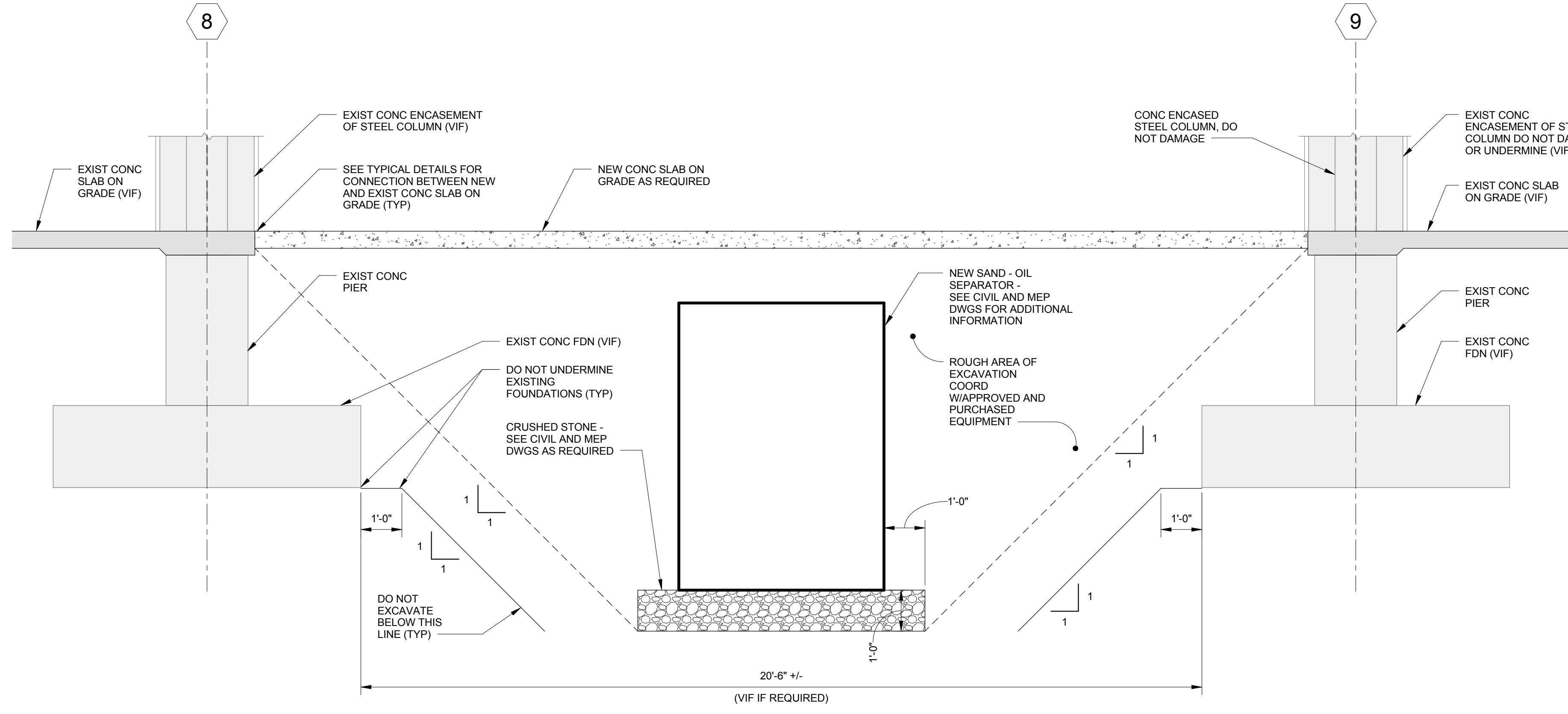


2 FOUNDATION DETAIL
S-302 3/4" = 1'-0"

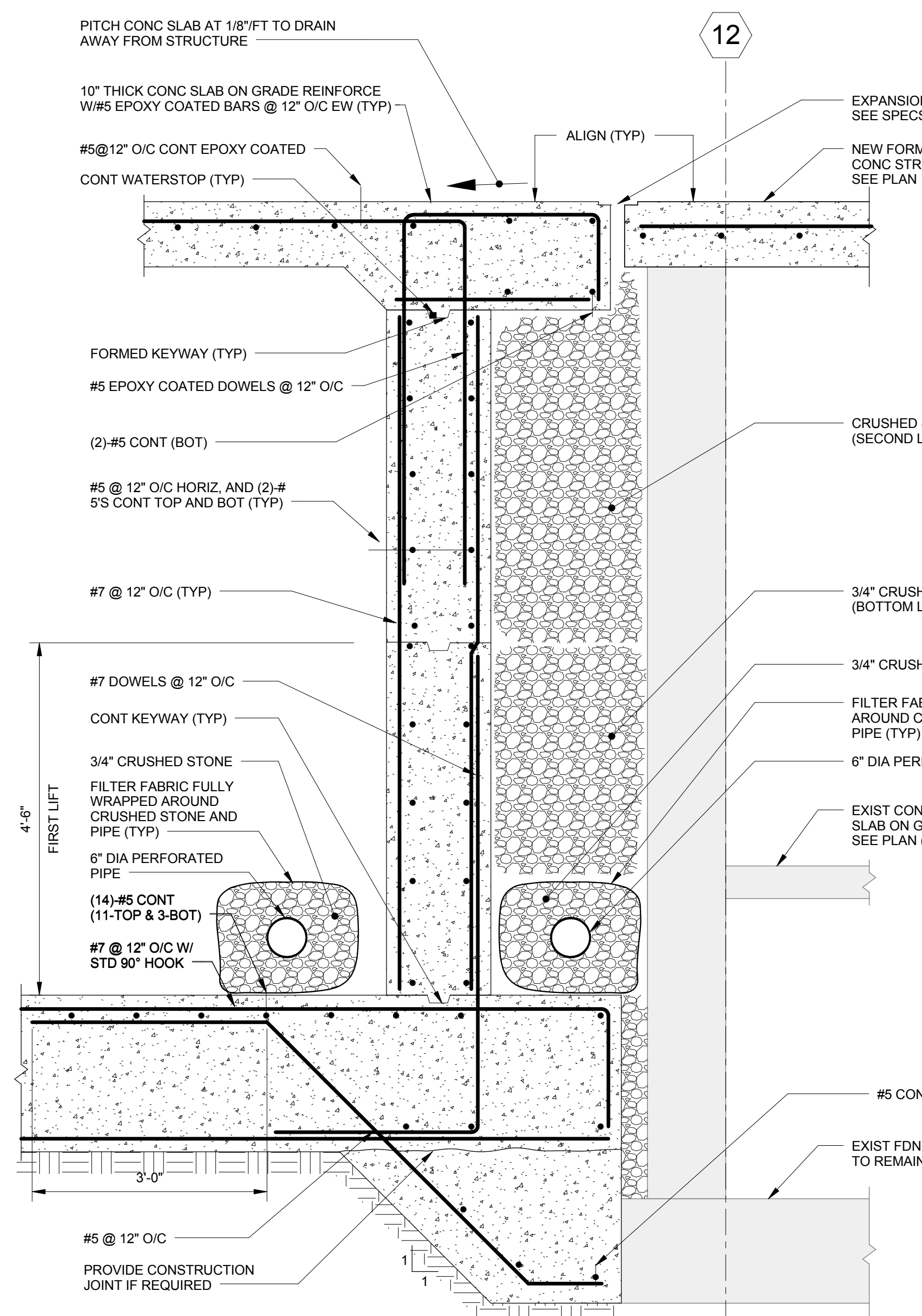


A PLAN DETAIL AT LOWER TRAFFIC ISLAND
S-302 3/4" = 1'-0"

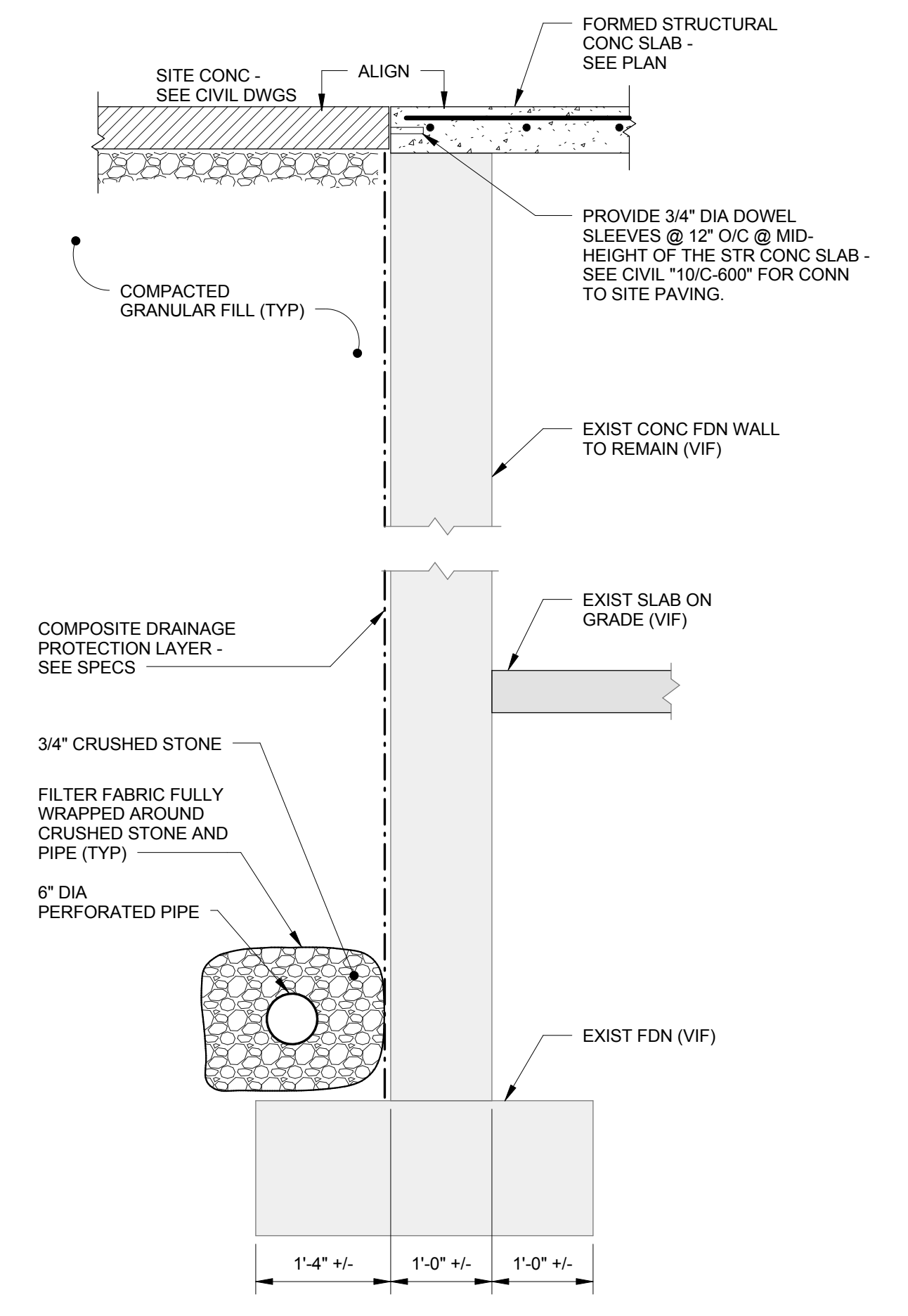
NOTES:
1 HSS5x5x3/8 GALVANIZED POST ON 3/4"x9"x9" GALVANIZED BASE PLATE PROVIDE (3)-3/4" DIAMETER ANCHOR PIA WITH 6" EMBEDMENT INTO SUPPORTING CONCRETE PIER. PROVIDE L6x4x3/8 (LLV) DOWN (1)-ON EACH SIDE OF POST W/2" VERT SLOTTED HOLE WITH 3/4" DIAMETER THROUGH BOLT. L6x4 TO BE WELDED TO EMBED PLATE IN THE BOTTOM OF THE PRECAST WALL PANELS.



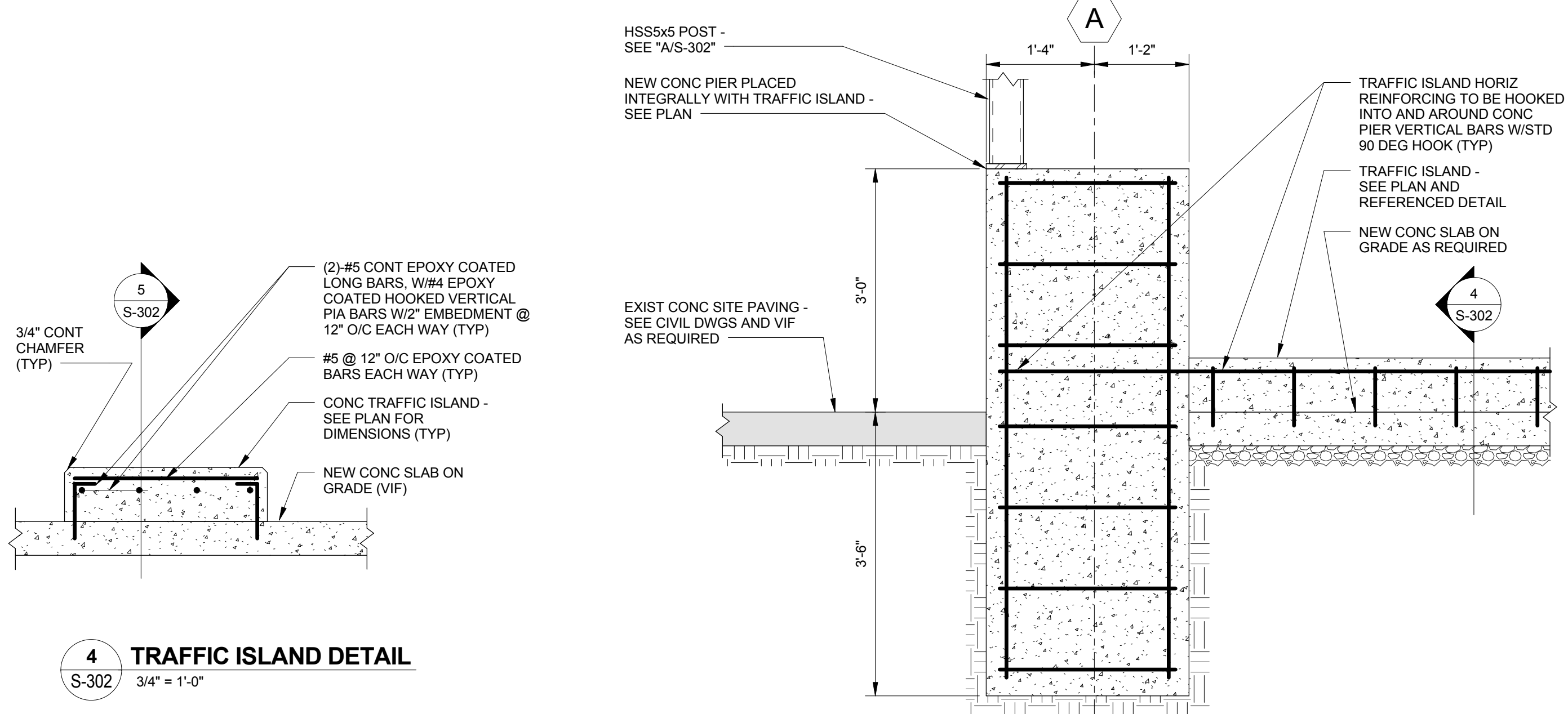
3 FOUNDATION DETAIL @ NEW SAND OIL SEPARATOR
S-302 1/2" = 1'-0"



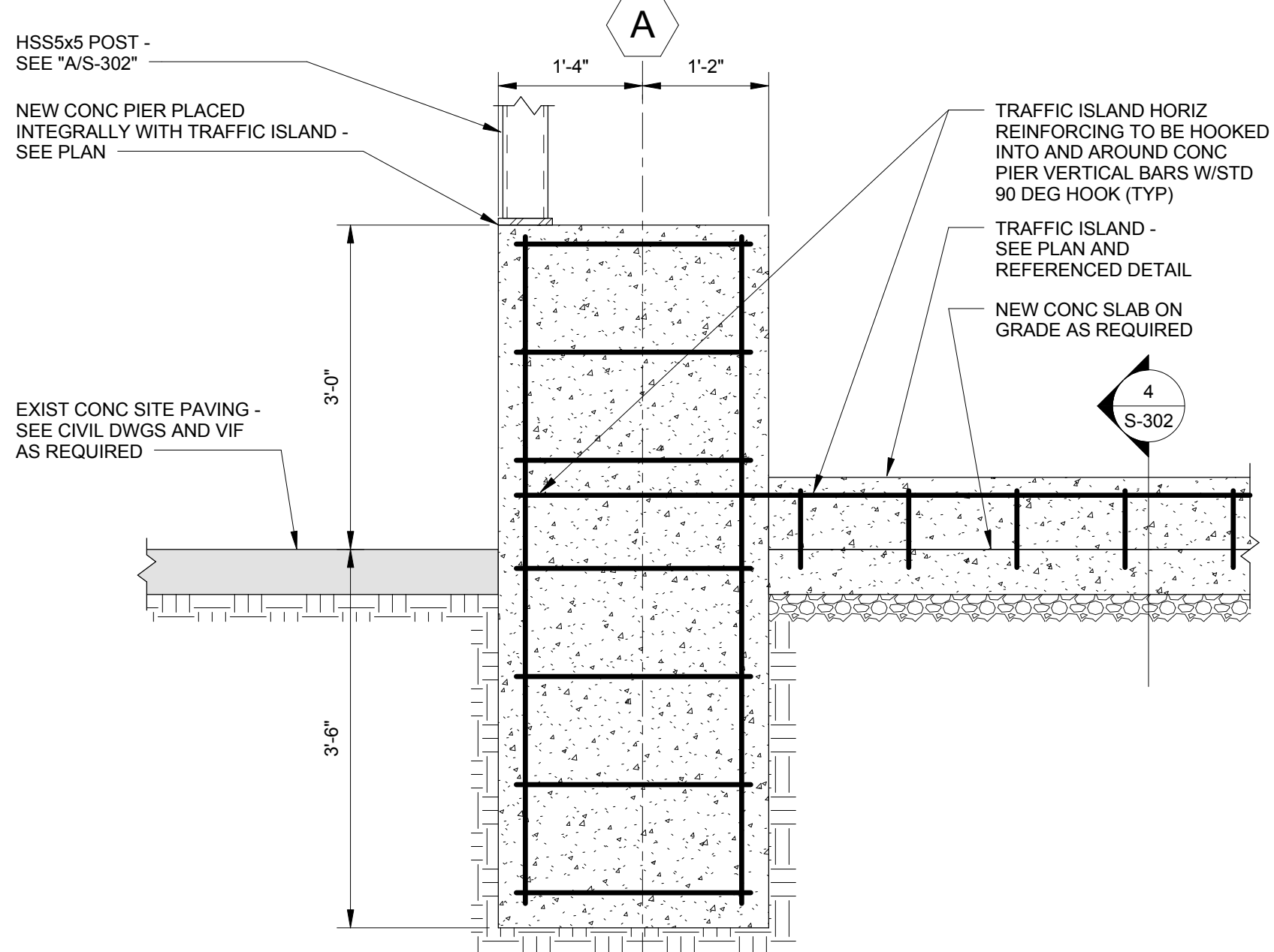
6 FOUNDATION DETAIL
S-302 3/4" = 1'-0"



7 FOUNDATION DETAIL
S-302 3/4" = 1'-0"



4 TRAFFIC ISLAND DETAIL
S-302 3/4" = 1'-0"

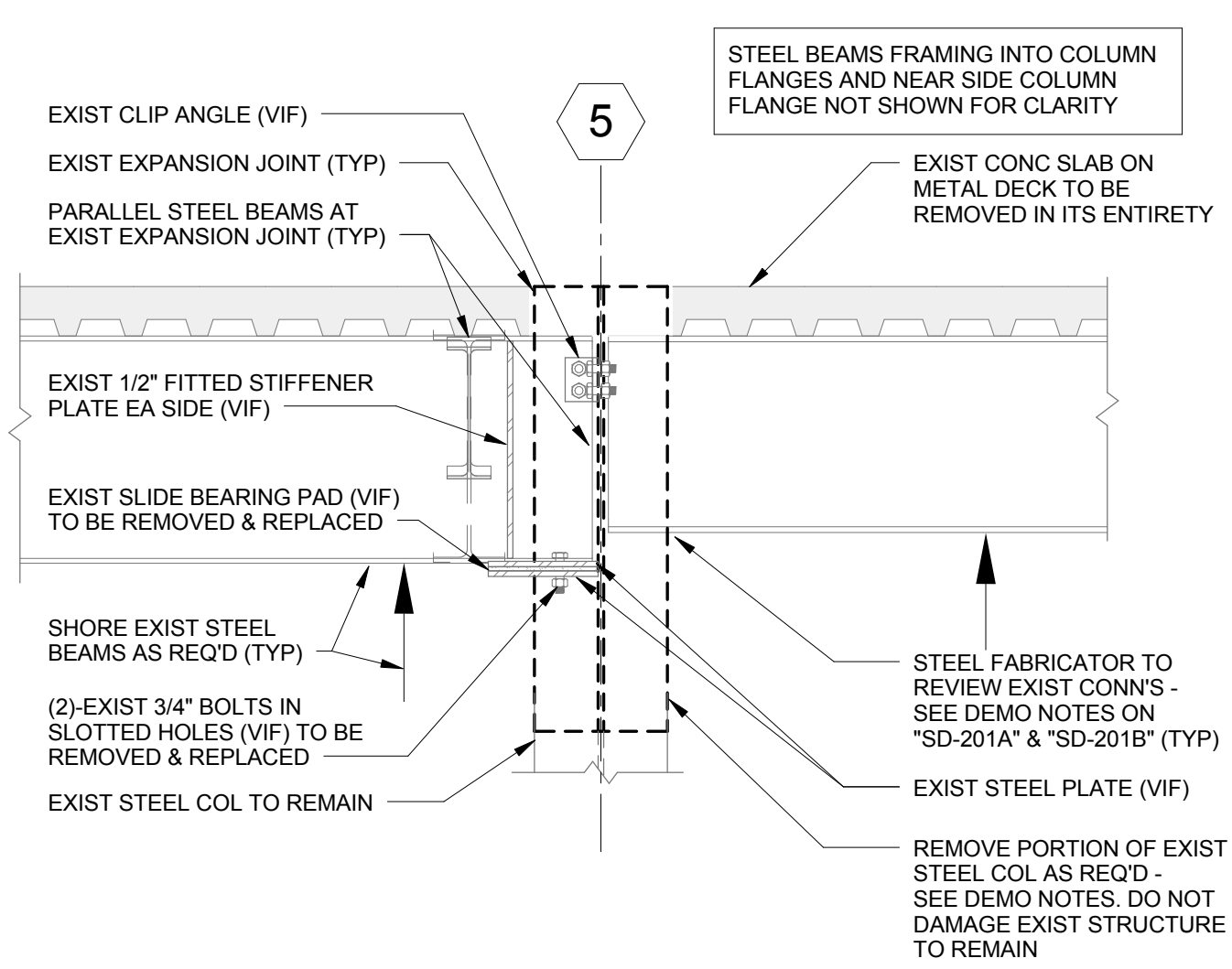


5 LOWER TRAFFIC ISLAND PIER DETAIL
S-302 3/4" = 1'-0"

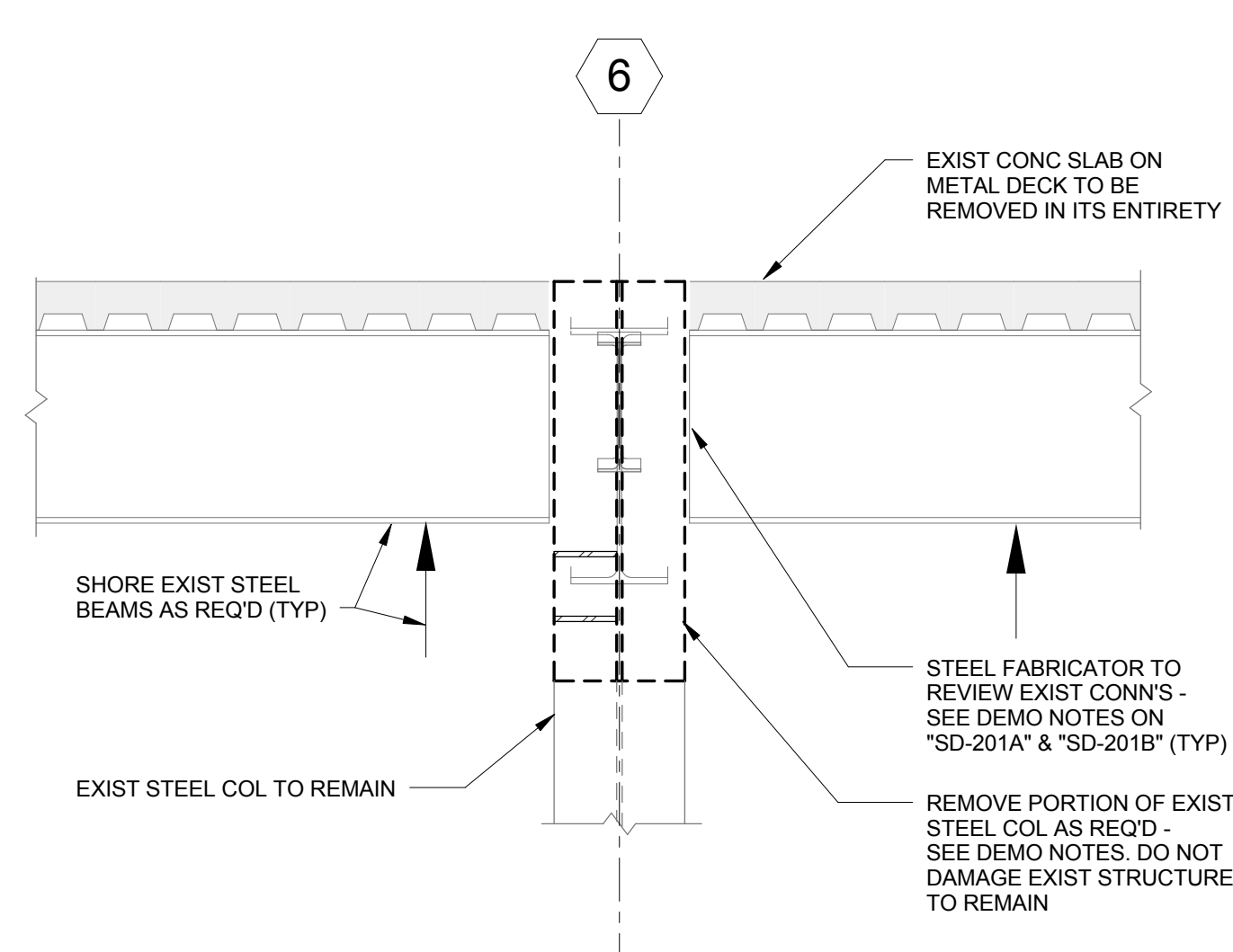
REVISIONS				STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
mark	date	description	drawing prepared by	date	scale
			BVH integrated services	12-01-2017	As indicated
project			drawn by		
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			approved by		
CAD no.			project no.		
STR R16.rvt			BLMH-121		



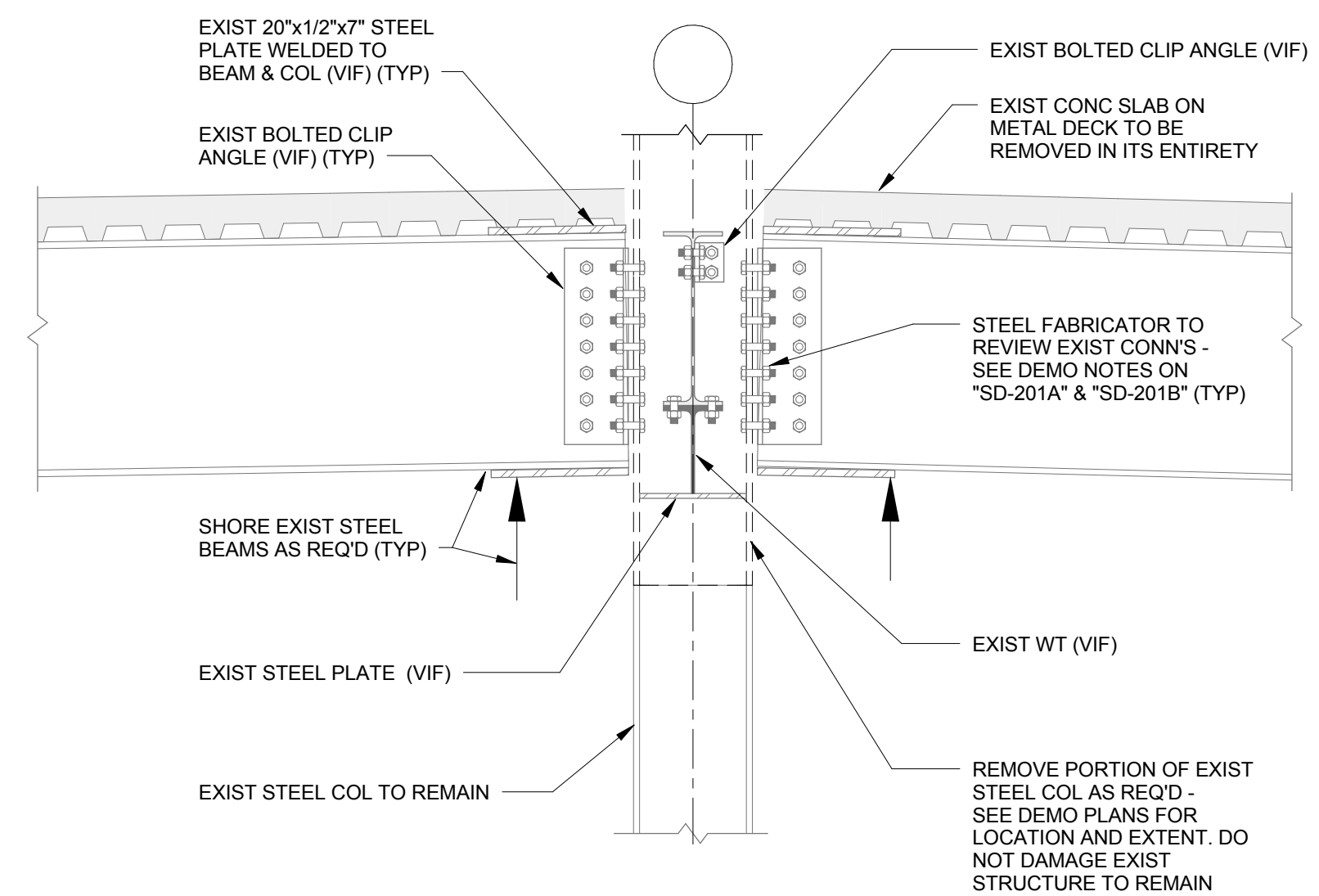
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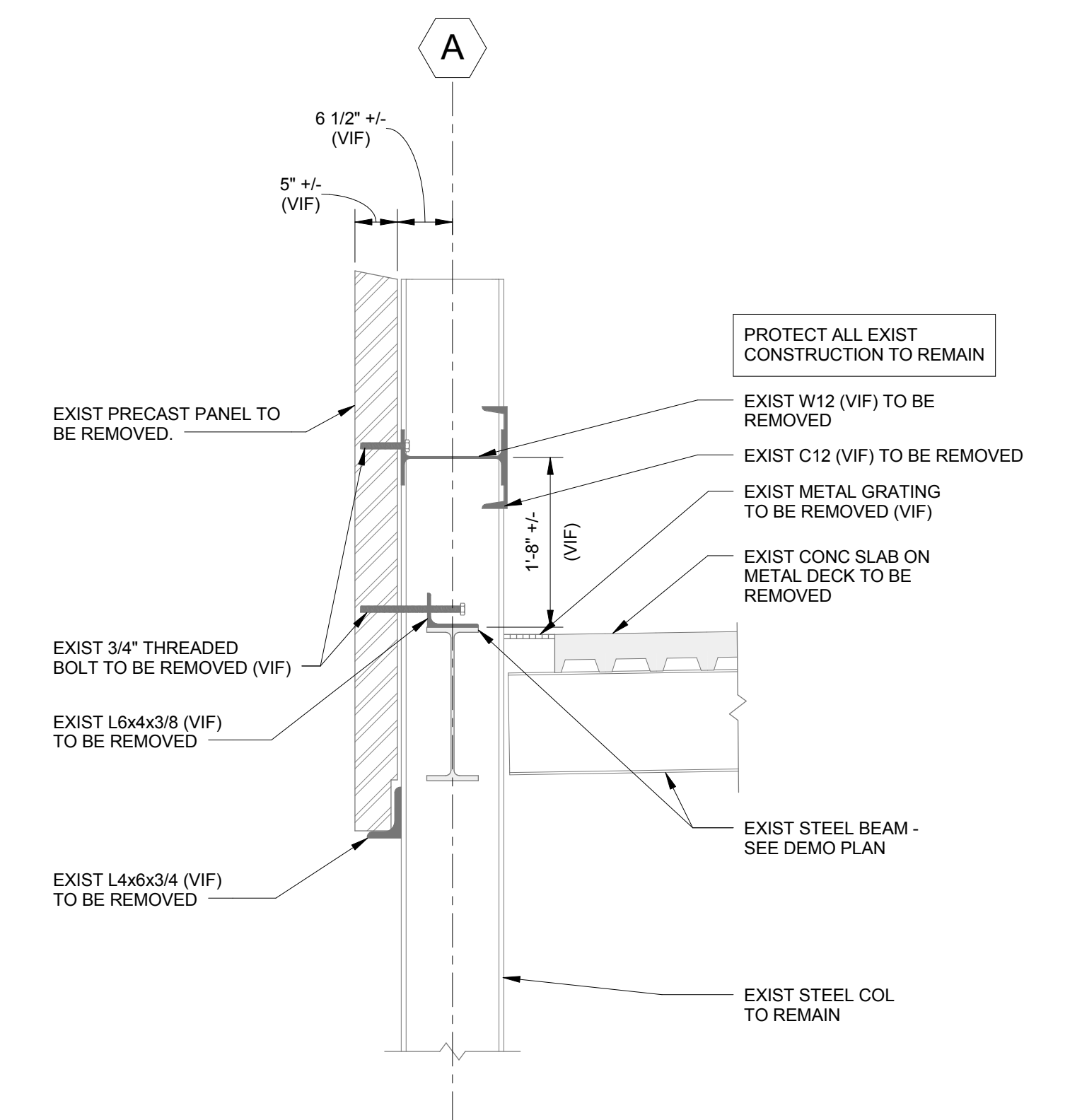
1 DEMO FRAMING DETAIL
S-400 3/4" = 1'-0"



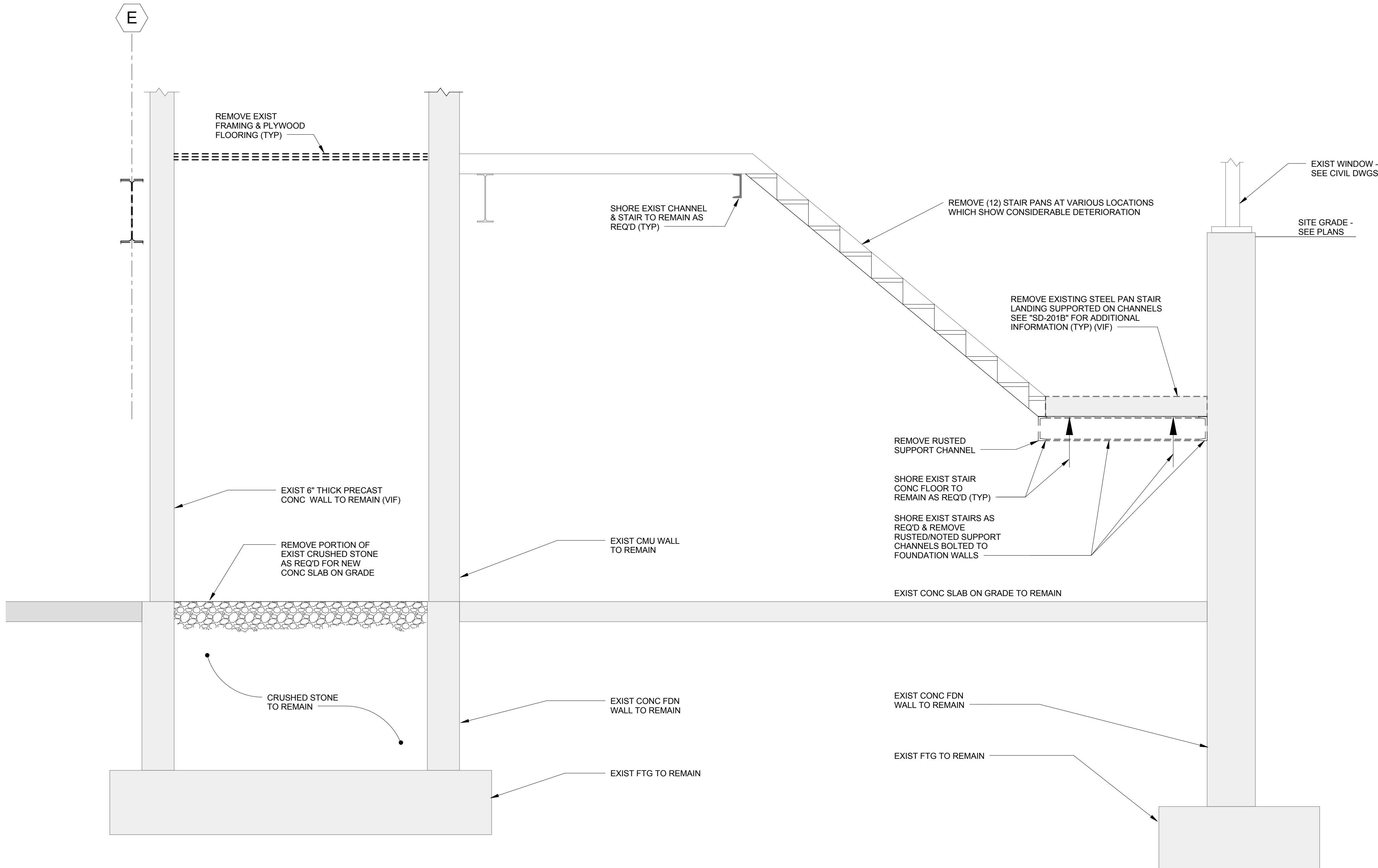
2 DEMO FRAMING DETAIL
S-400 3/4" = 1'-0"



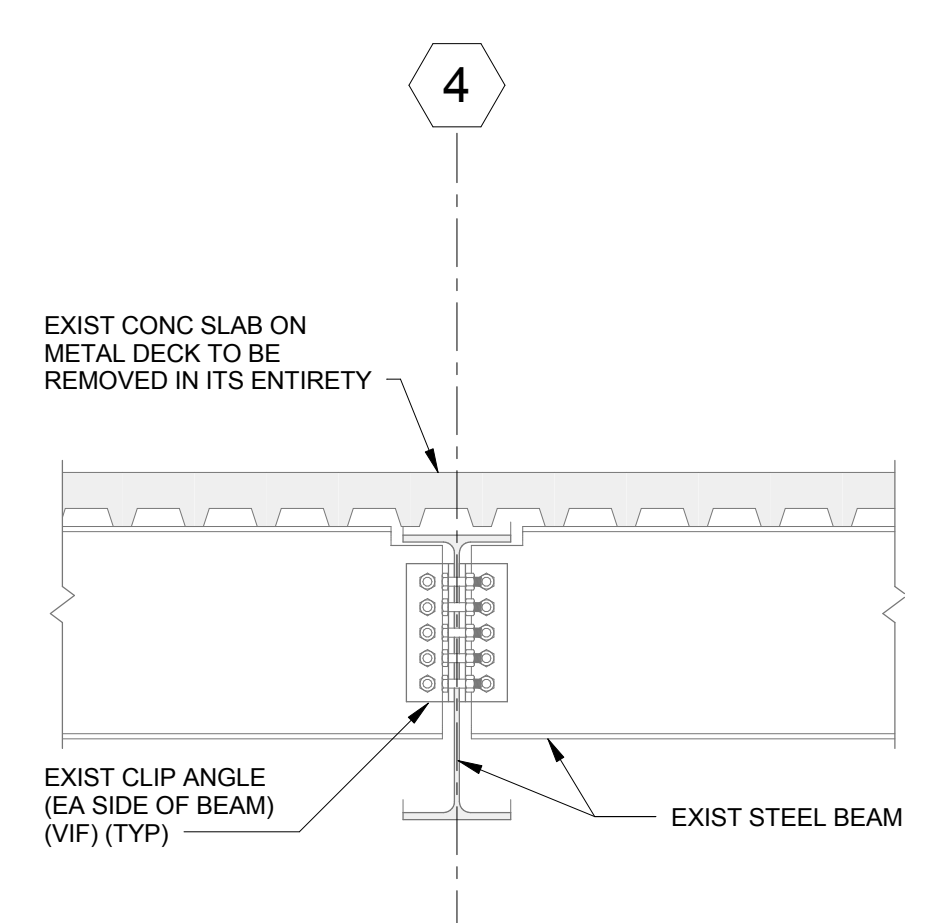
3 DEMO FRAMING DETAIL
S-400 3/4" = 1'-0"



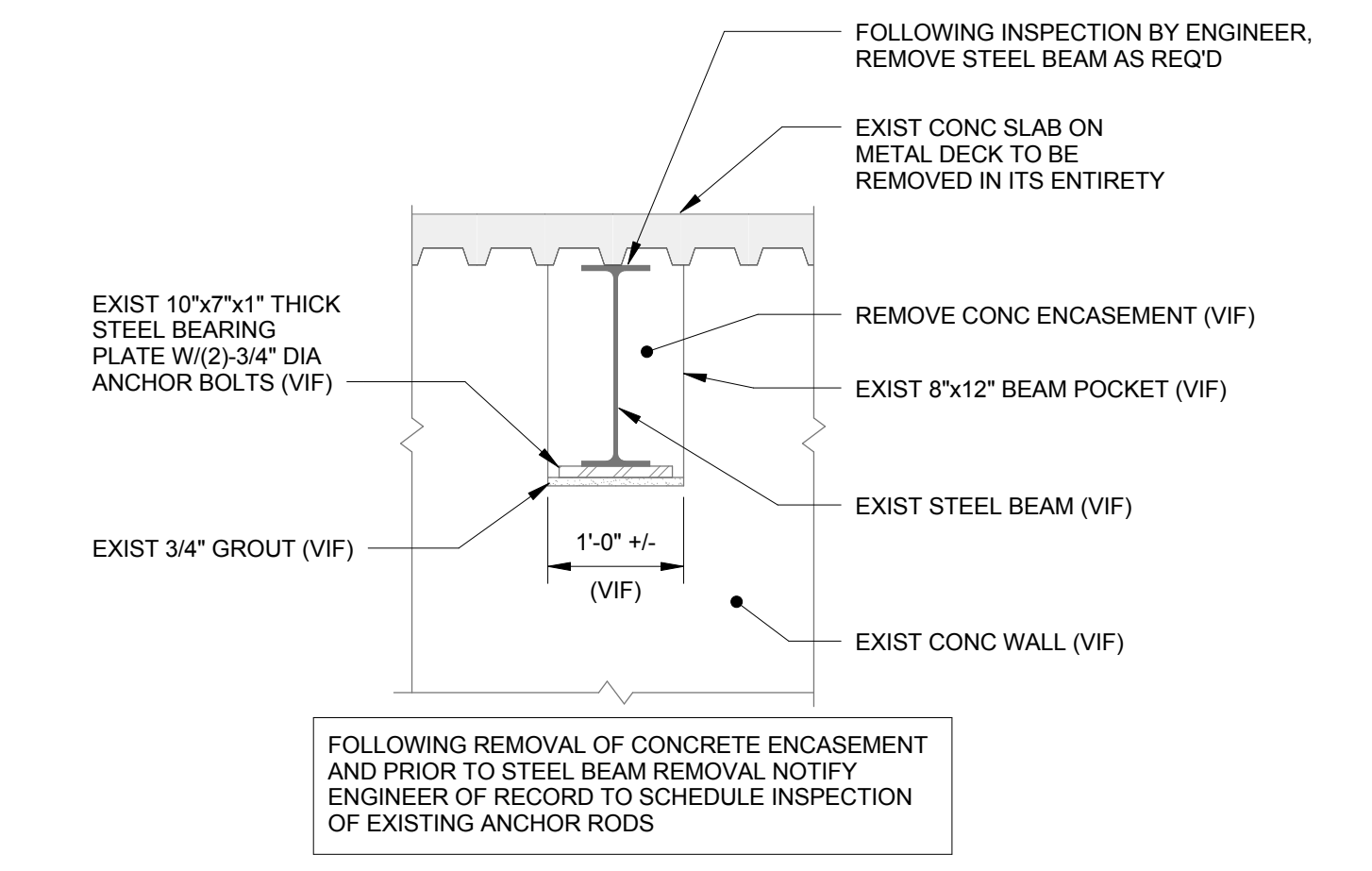
4 EXISTING VEHICLE BARRIER AND PRECAST PANEL CONNECTION DETAIL
S-400 3/4" = 1'-0"



5 DEMO FRAMING DETAIL
S-400 3/4" = 1'-0"



6 FRAMING SECTION
S-400 3/4" = 1'-0"

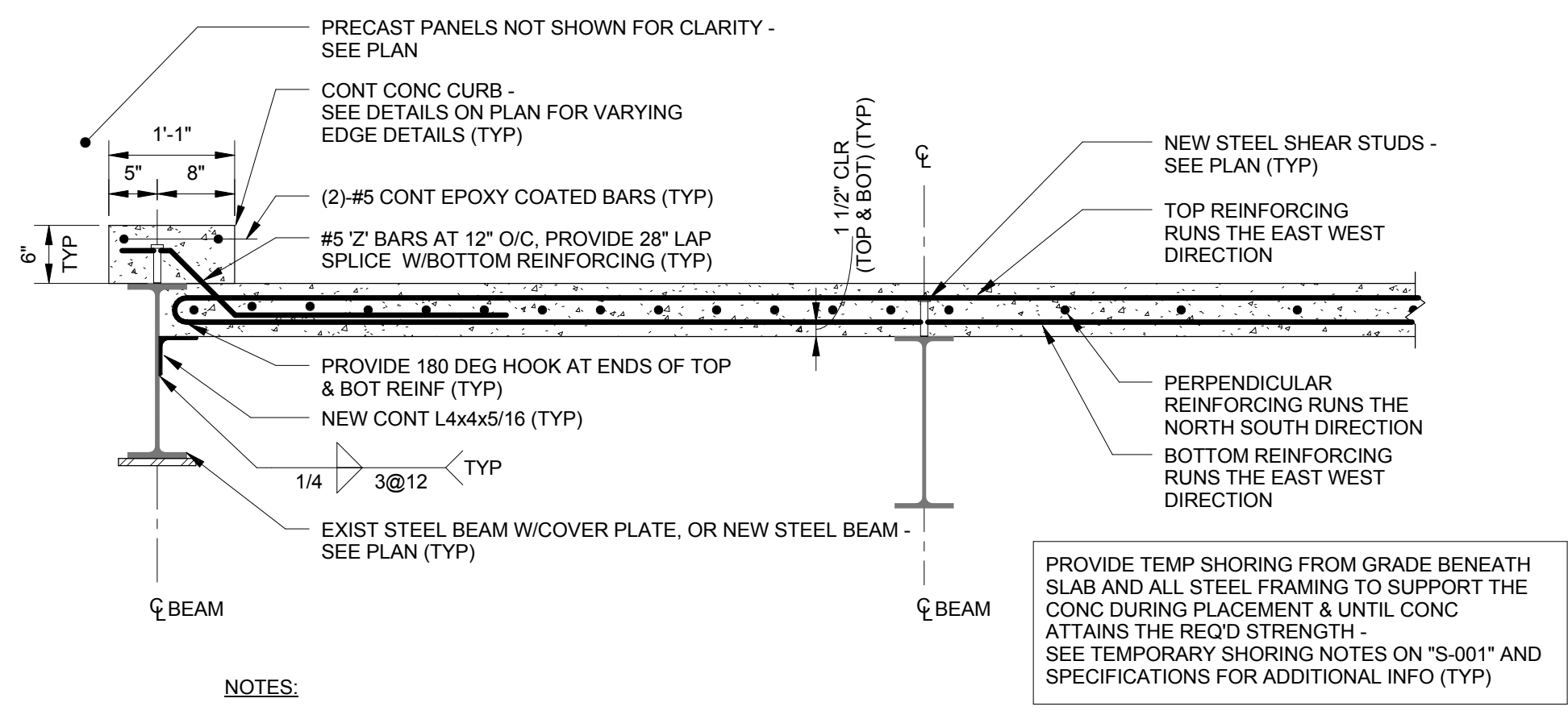


7 FRAMING SECTION
S-400 3/4" = 1'-0"

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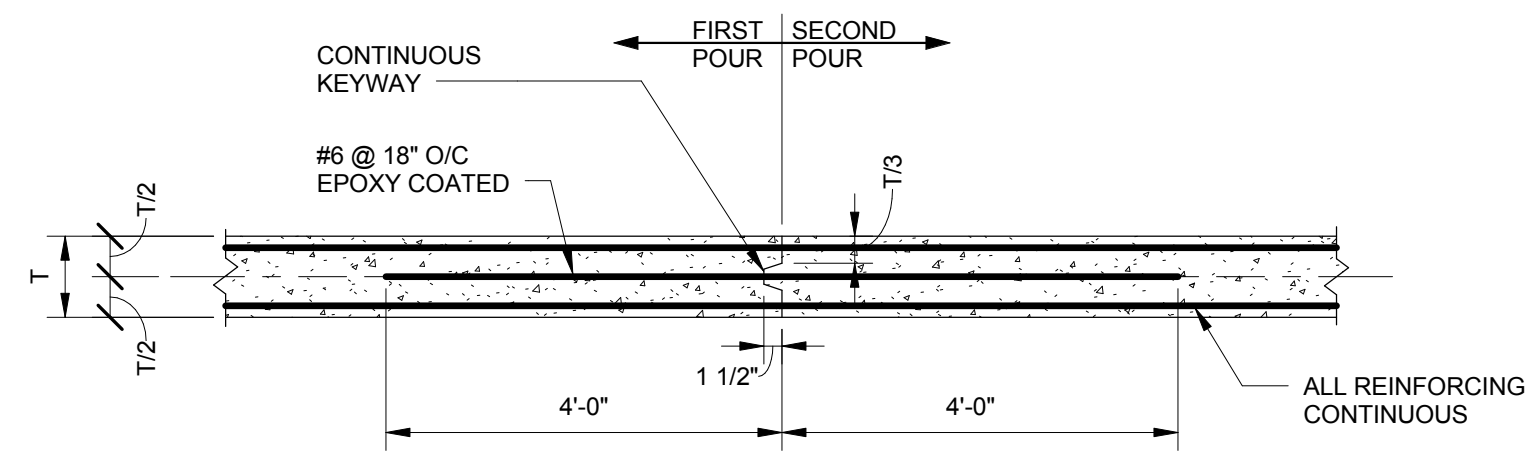


drawing title DEMOLITION DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	drawn by
			12-01-2017	3/4" = 1'-0"	JMM
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			approved by MLI	checked by MLI	drawing no. S-400
CAD no. STR R16.rvt			project no. BLMH-121		



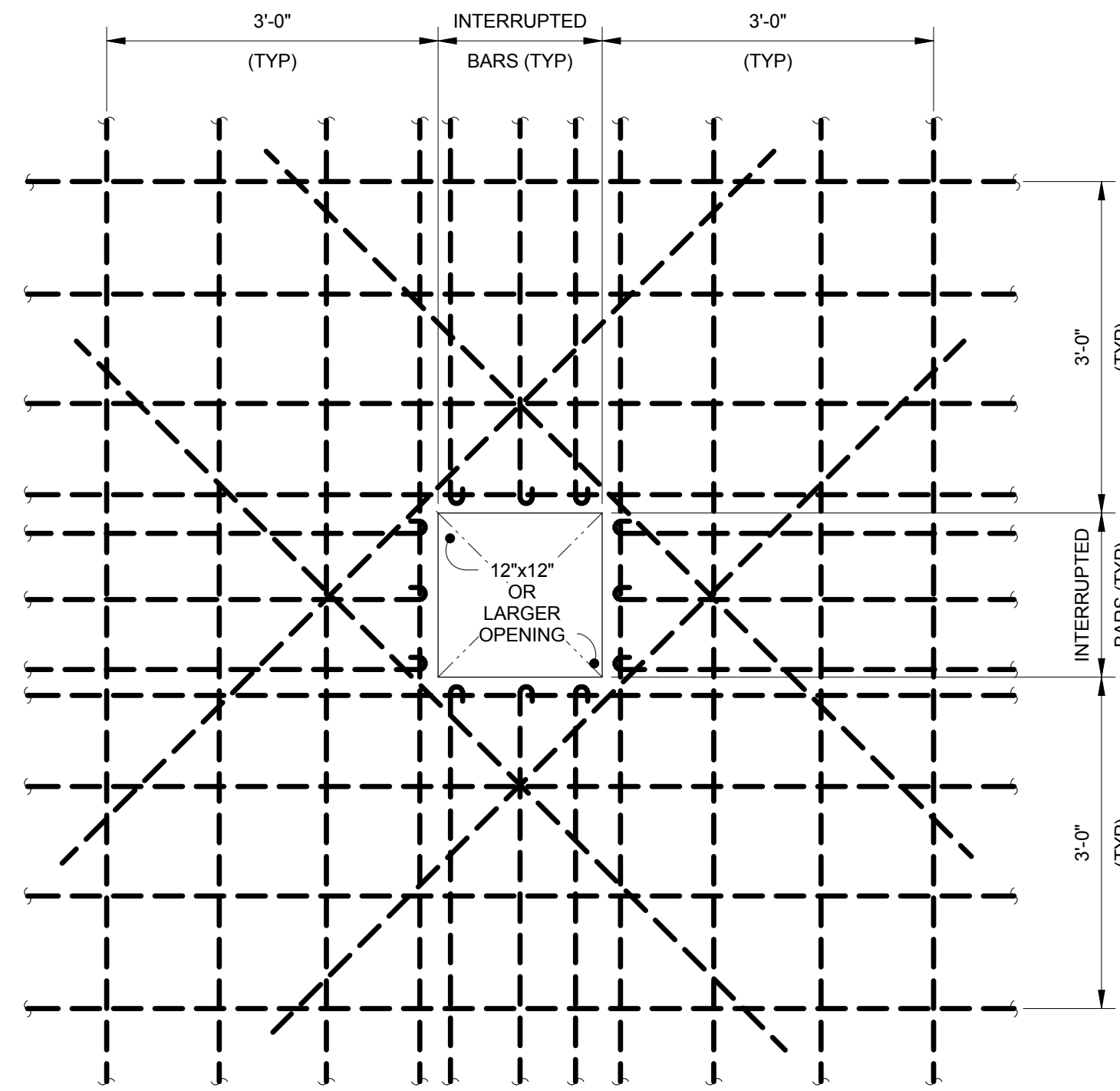
- NOTES:**
- FOR ADDITIONAL REINFORCEMENT, SEE PLAN.
 - PROVIDE TEMPORARY SHORING FROM GRADE BENEATH SLAB AND ALL STEEL FRAMING TO SUPPORT THE CONCRETE DURING PLACEMENT AND UNTIL CONCRETE ATTAINS THE REQUIRED STRENGTH - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION (TYP)
 - ALL STRUCTURAL SLAB REINFORCING TO BE EPOXY COATED.

1 TYPICAL 1-WAY SLAB ON BEAMS
S-401 NOT TO SCALE



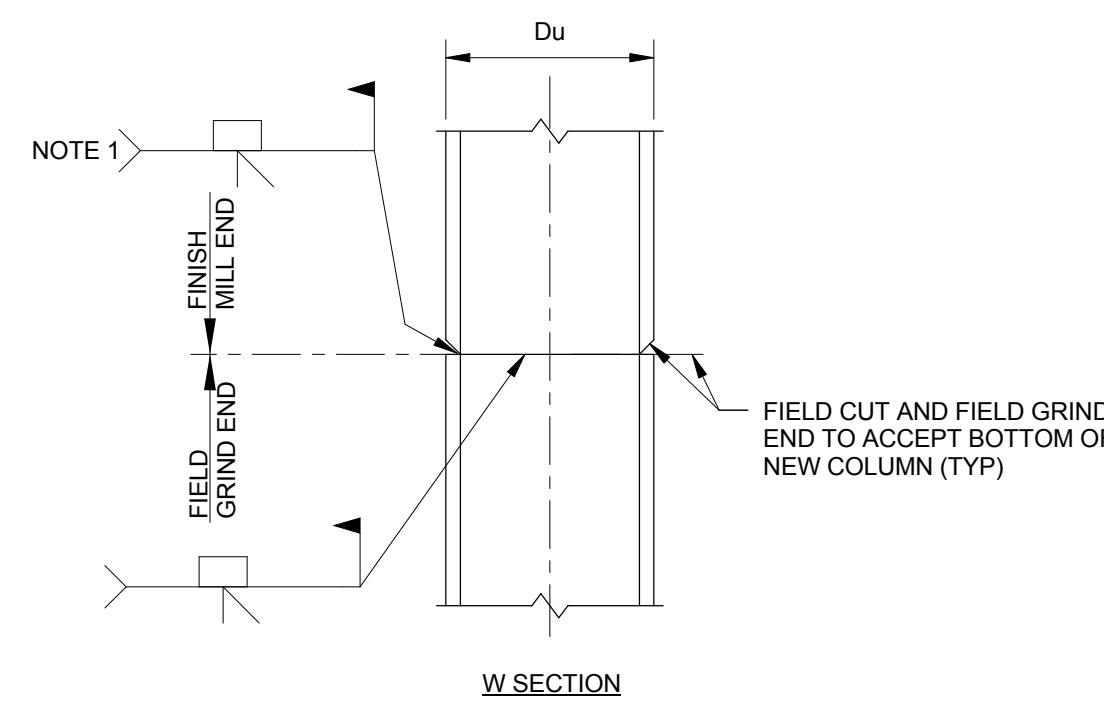
- NOTE:**
- CONTRACTOR TO SUBMIT DRAWINGS LOCATING ALL PROPOSED SLAB CONSTRUCTION JOINTS TO ENGINEER OF RECORD FOR APPROVAL.

2 TYPICAL STRUCTURAL CONCRETE SLAB CONSTRUCTION JOINT
S-401 NOT TO SCALE



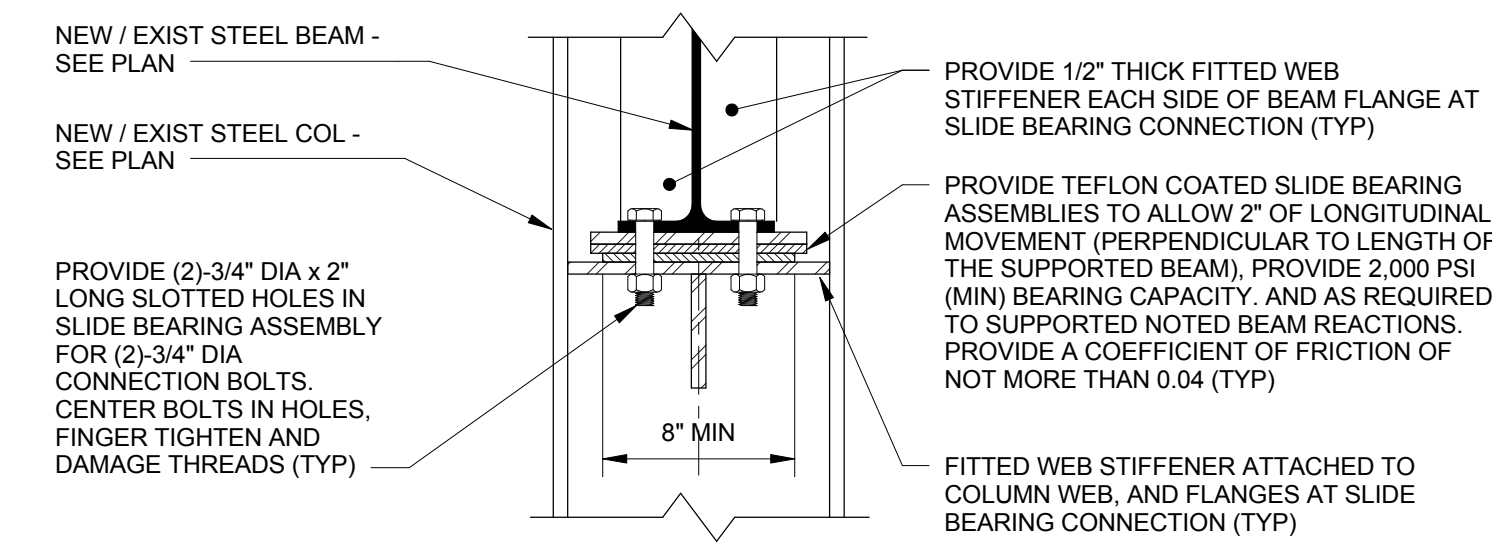
- NOTES:**
- PROVIDE ONE HALF THE TOTAL AREA OF INTERRUPTED REINFORCEMENT ON EACH SIDE OF THE OPENING, DISTRIBUTED WITHIN 3'-0" OF THE OPENING. PROVIDE (2) #5 TOP AND BOTTOM MINIMUM. ADDITIONAL REINFORCEMENT TO BE SAME LENGTH AS UNINTERRUPTED REINFORCEMENT (2'-4" MINIMUM BEYOND EDGE OF OPENING).
 - HOOK ALL INTERRUPTED BARS.
 - PROVIDE (2) #7 x 5'-0" LONG (1-TOP AND 1-BOTTOM) DIAGONAL (TYPICAL OF ALL CORNERS).

3 TYPICAL STRUCTURAL CONCRETE SLAB OPENING DETAIL
S-401 NOT TO SCALE

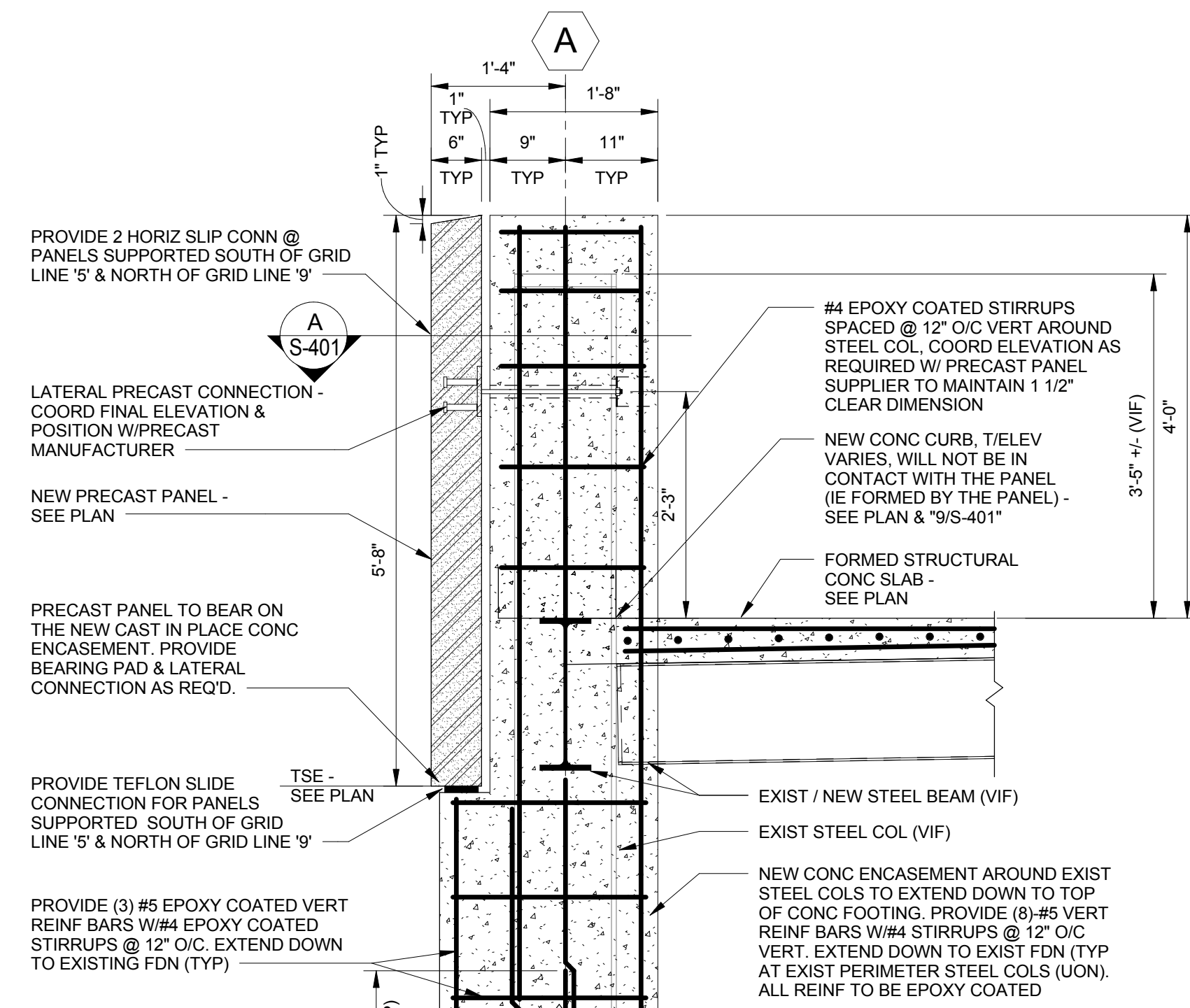


- NOTES:**
- COLUMN SPLICE WELDED CONNECTION TO PROVIDE FULL MOMENT CAPACITY OF COLUMNS.
 - PROVIDE ADDITIONAL STEEL AS REQUIRED TO STABILIZE COLUMN DURING ERECTION. REMOVE AS REQUIRED FOR ARCHITECTURAL FINISH.

4 COLUMN SPLICE DETAIL
S-401 NOT TO SCALE

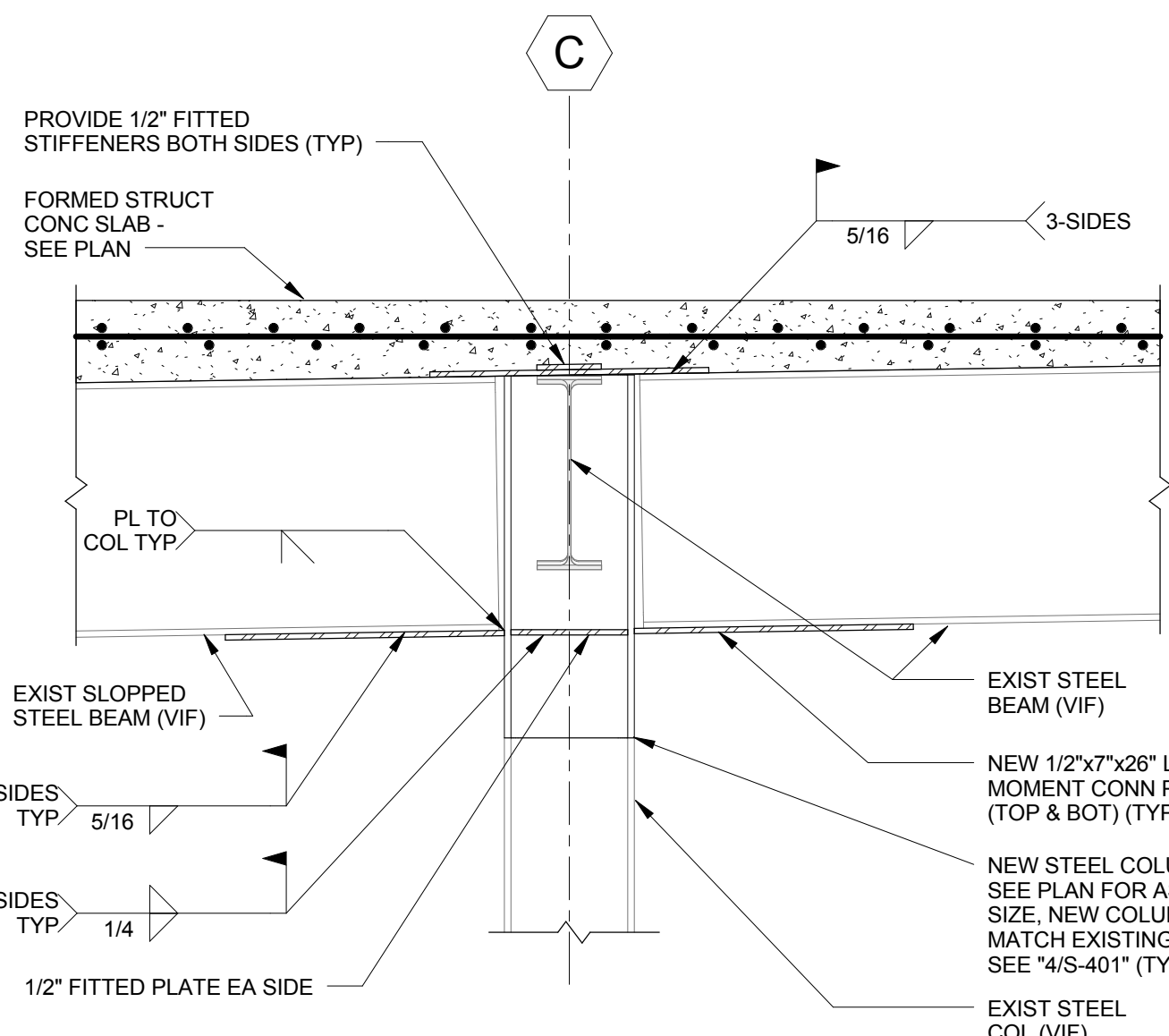


7A SLIDE BEARING DETAIL
S-401 1 1/2" = 1'-0"

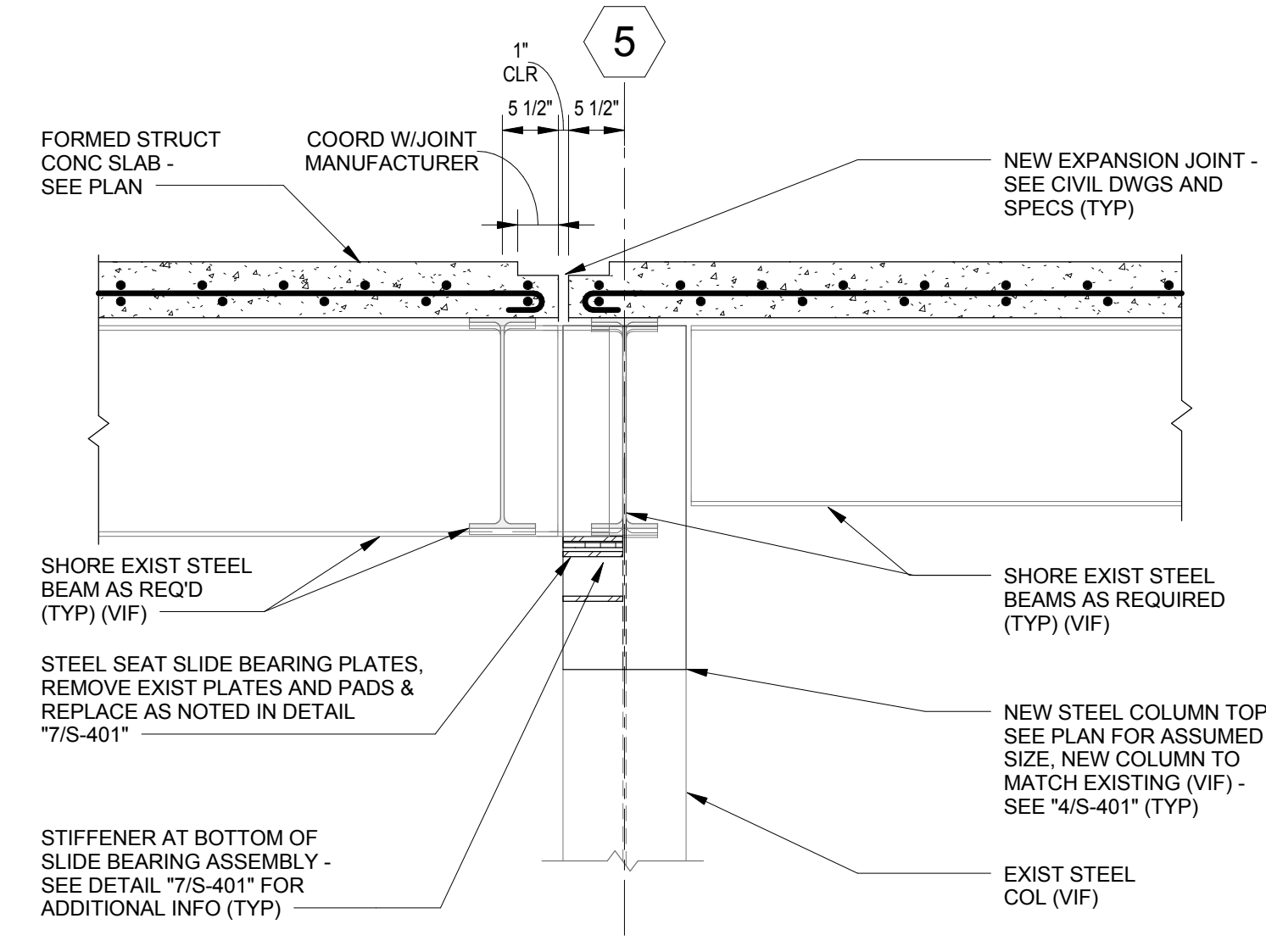


- NOTE:**
- FINAL ELEVATION AND POSITION OF LATERAL PRECAST CONNECTIONS TO BE COORDINATED WITH THE PRECAST MANUFACTURER. MAINTAIN A MINIMUM 1 1/2" CLEAR BETWEEN THE SLEEVE FOR THE LATERAL CONNECTION AND THE STIRRUP. COORDINATE SPACING OF STIRRUPS AS REQUIRED.

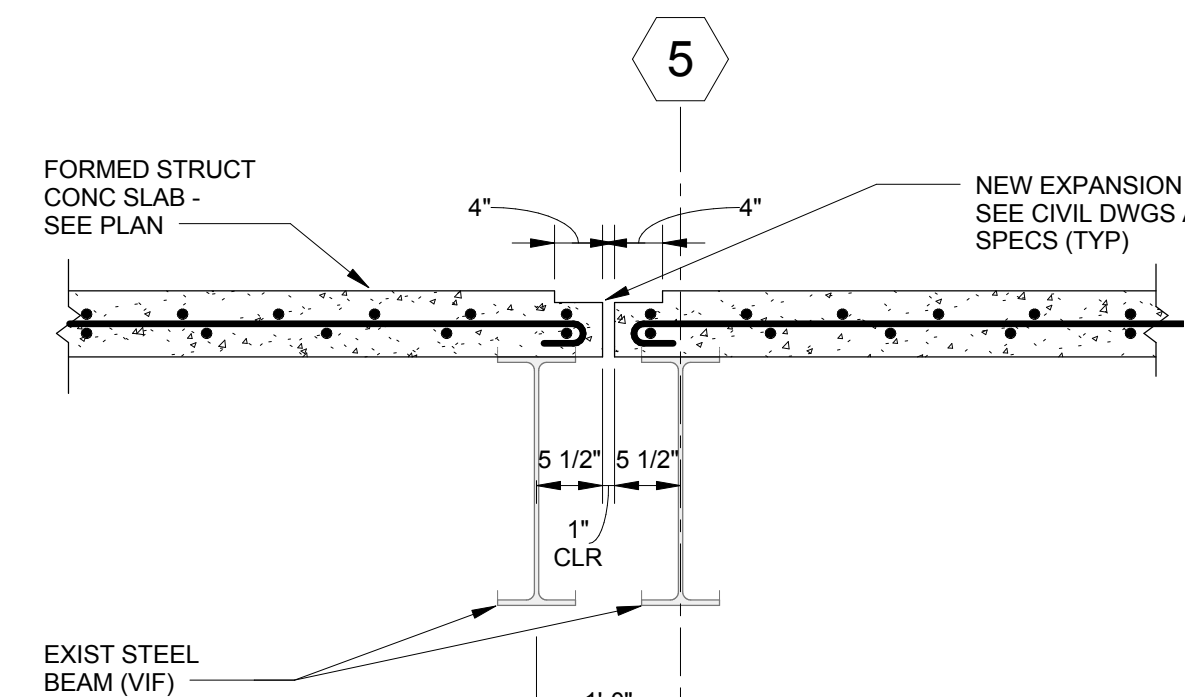
5 FRAMING SECTION
S-401 3/4" = 1'-0"



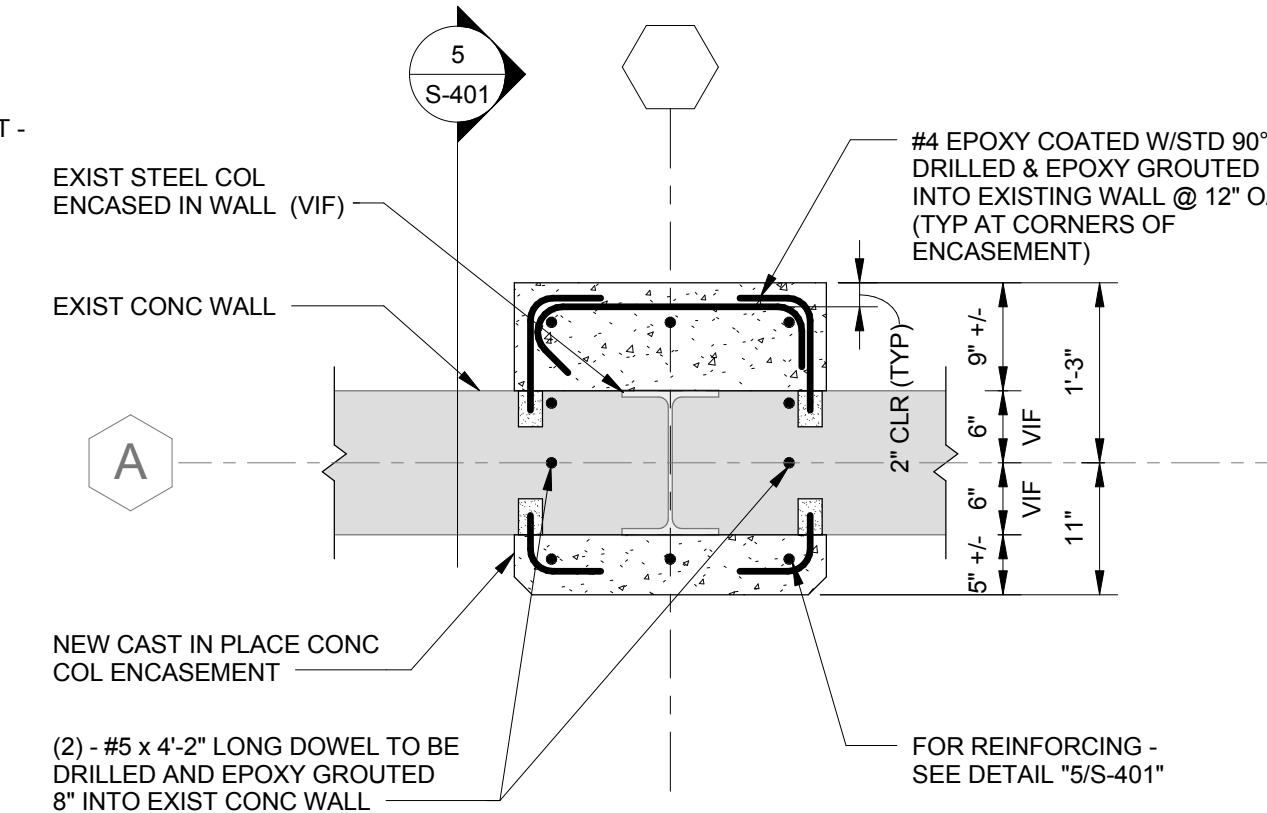
6 FRAMING SECTION
S-401 3/4" = 1'-0"



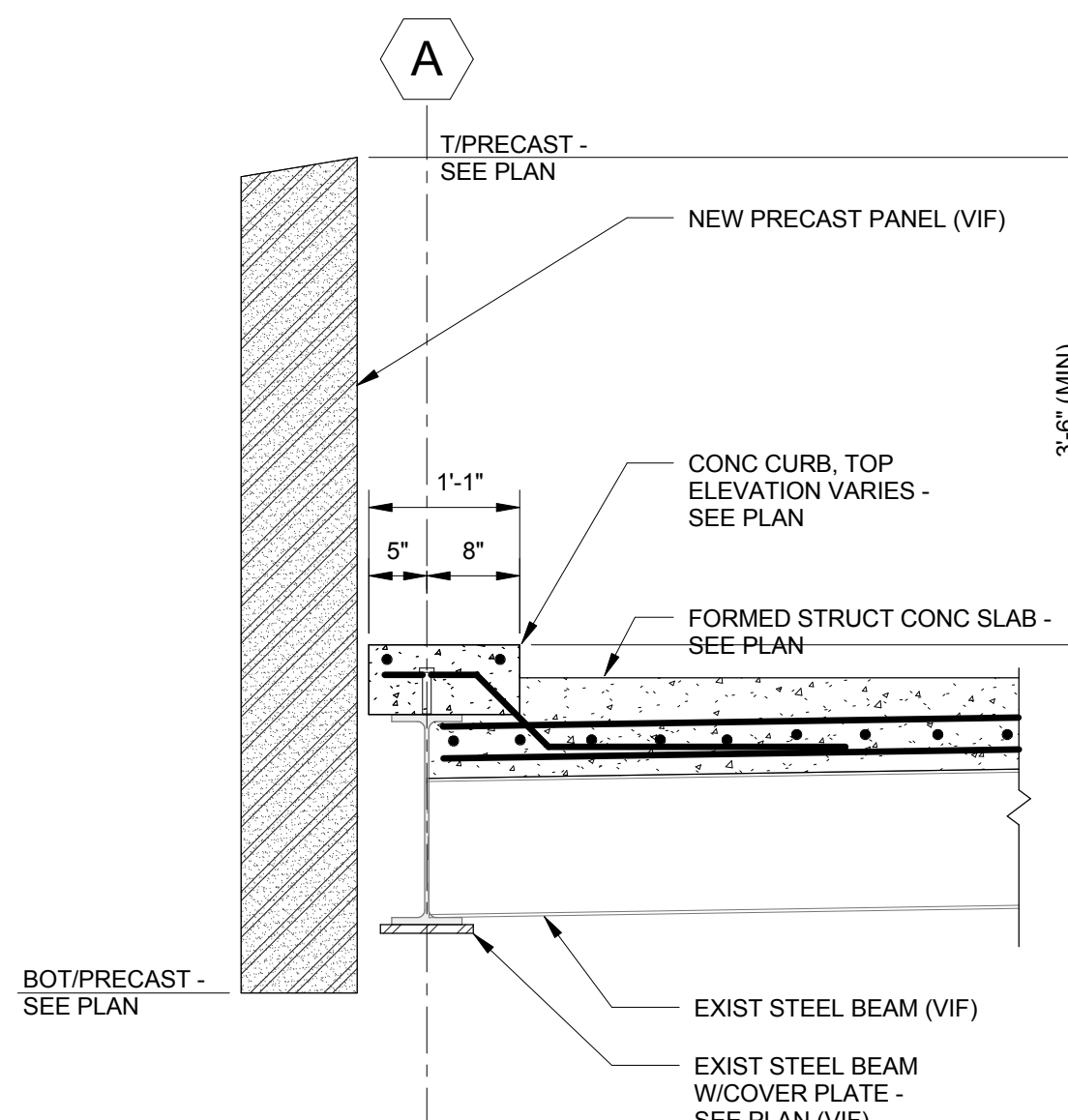
7 FRAMING SECTION
S-401 3/4" = 1'-0"



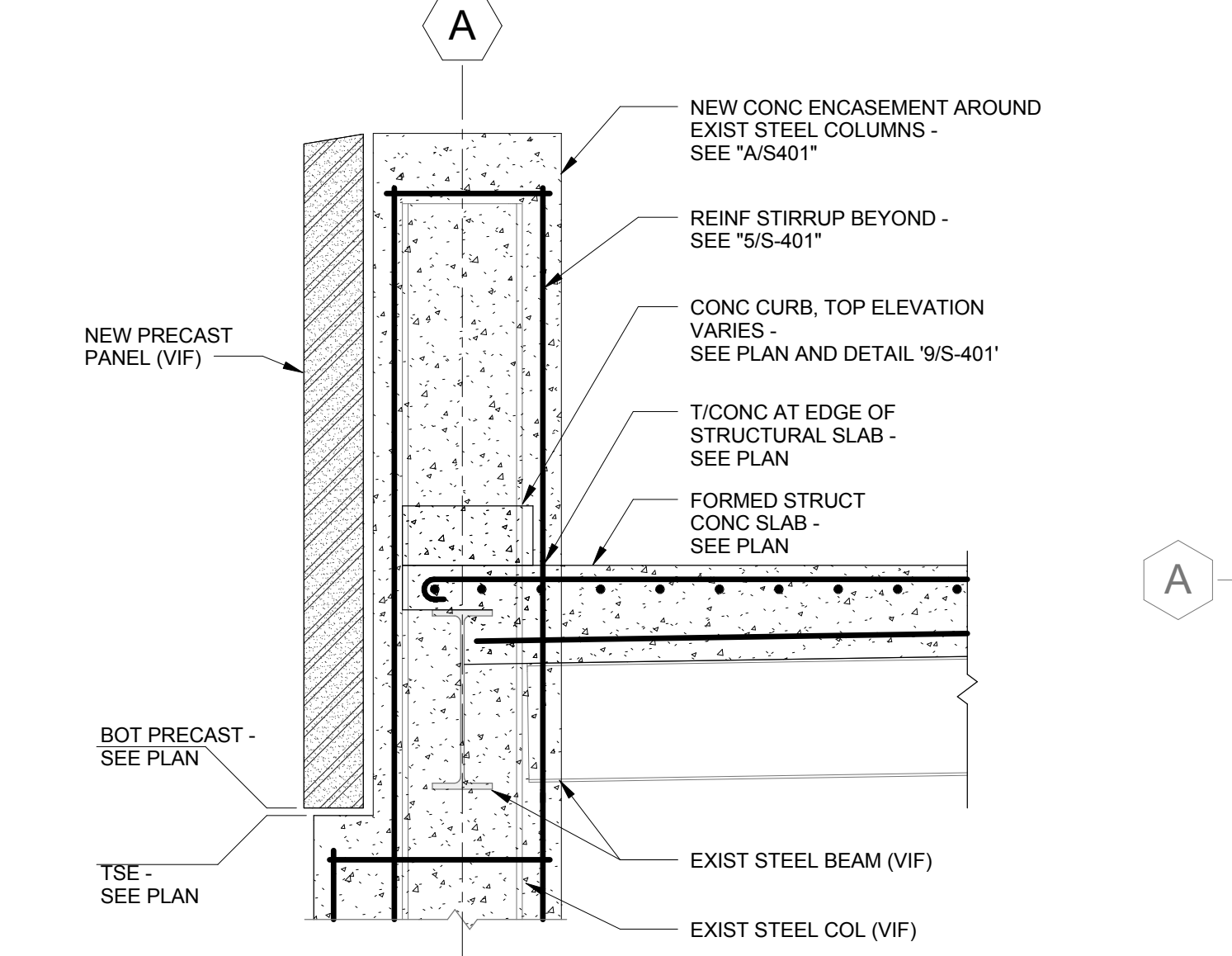
8 FRAMING SECTION
S-401 3/4" = 1'-0"



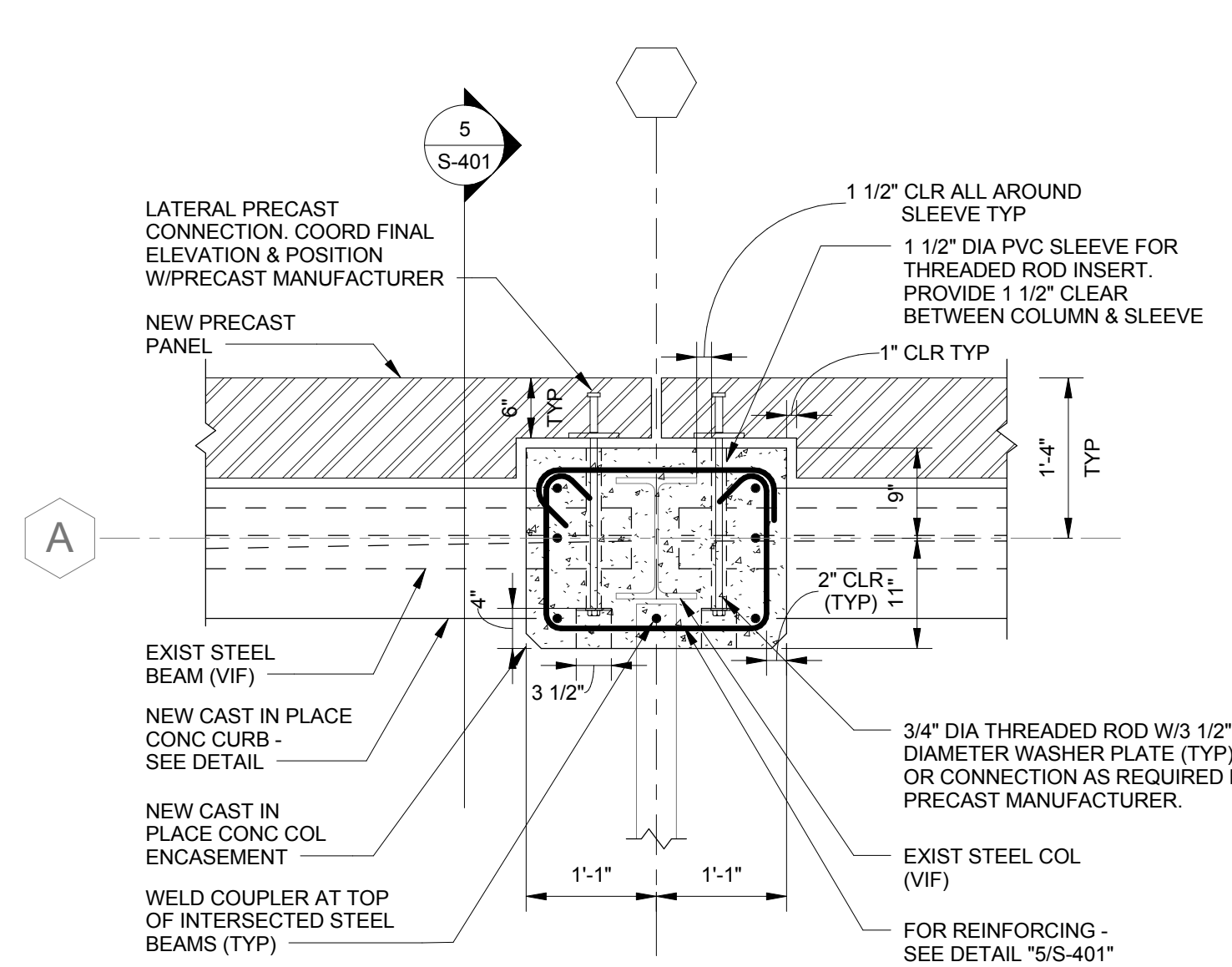
B CONCRETE ENCASEMENT PLAN DETAIL
S-401 3/4" = 1'-0"



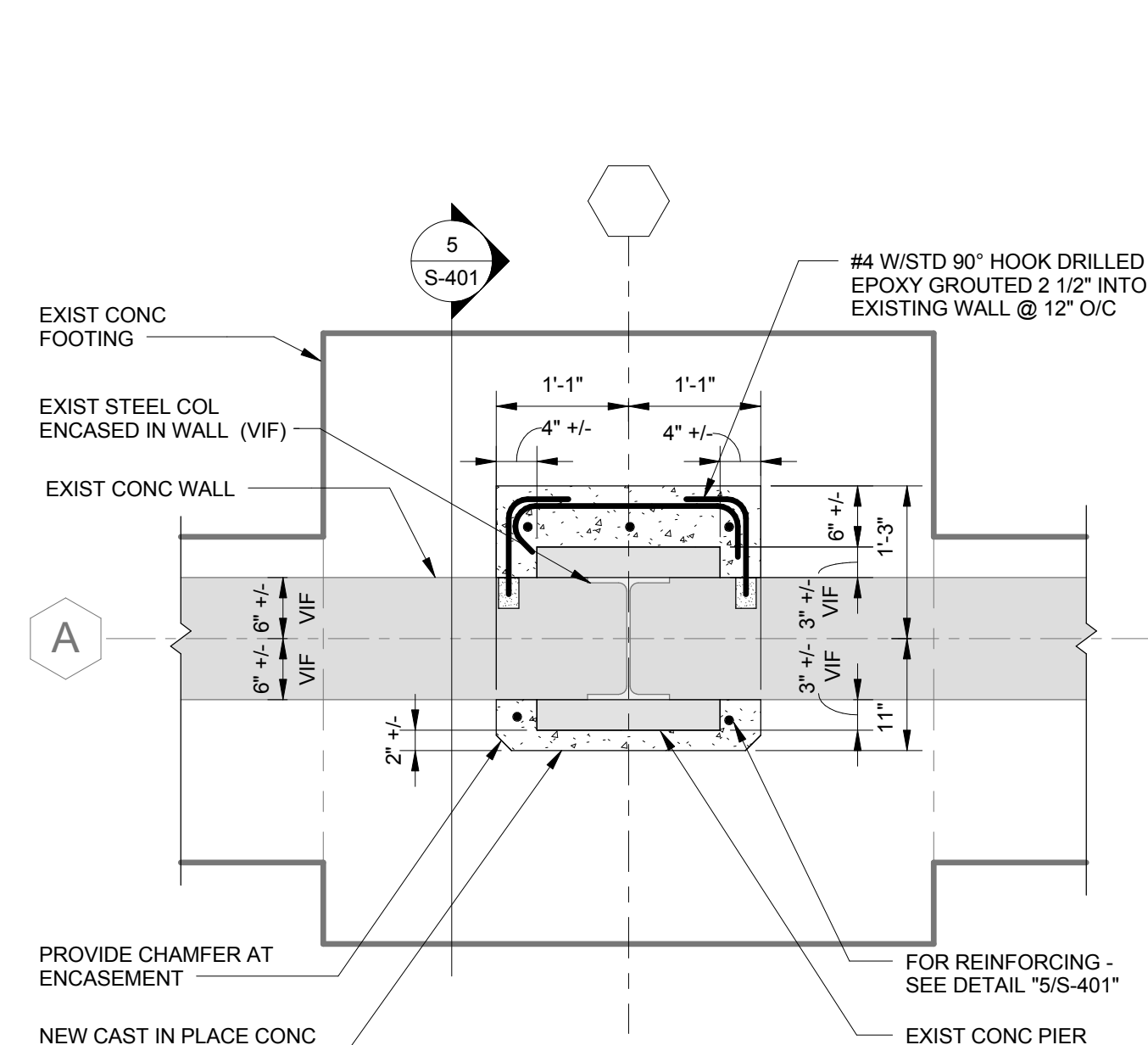
9 FRAMING SECTION
S-401 3/4" = 1'-0"

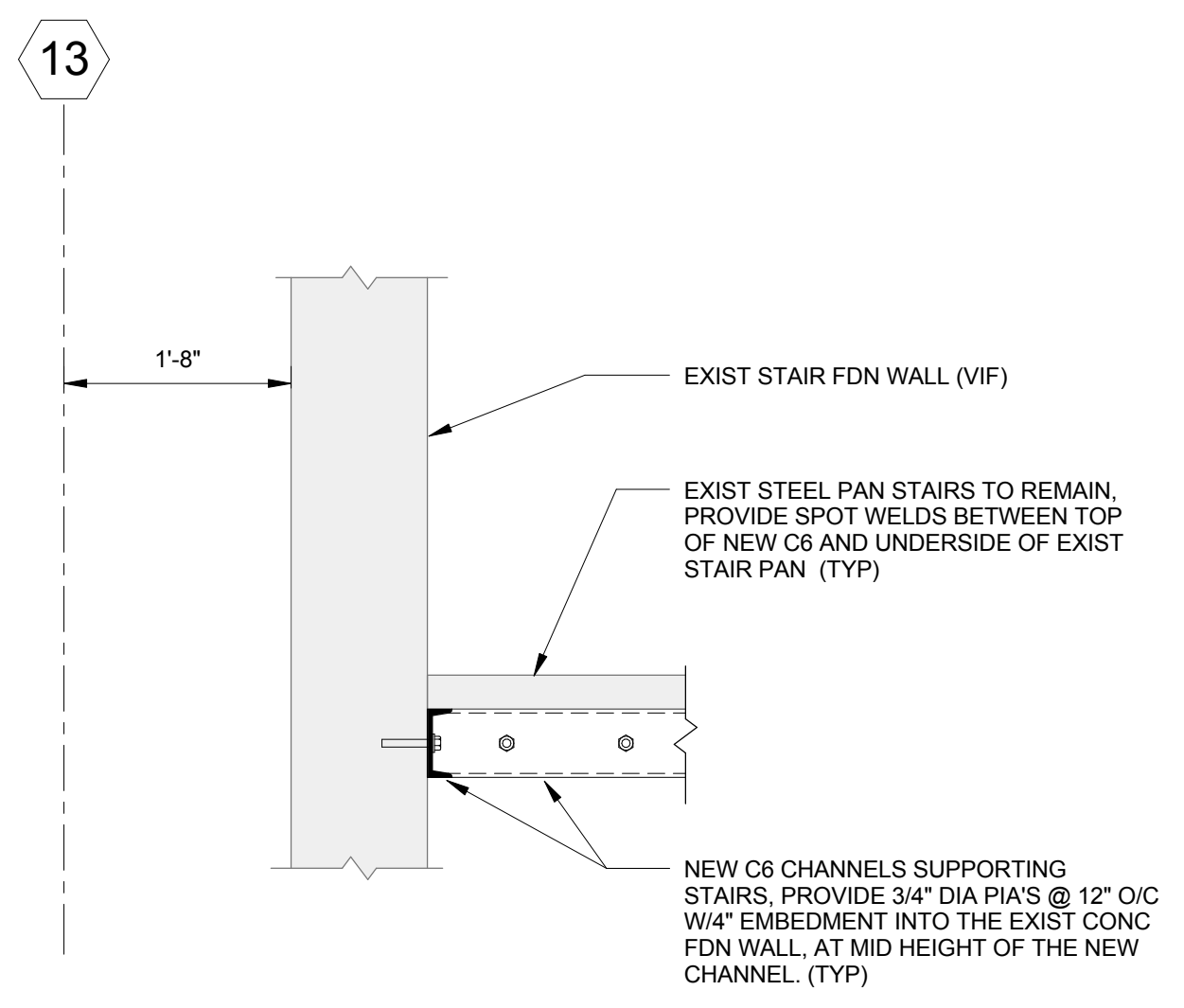


10 FRAMING SECTION
S-401 3/4" = 1'-0"

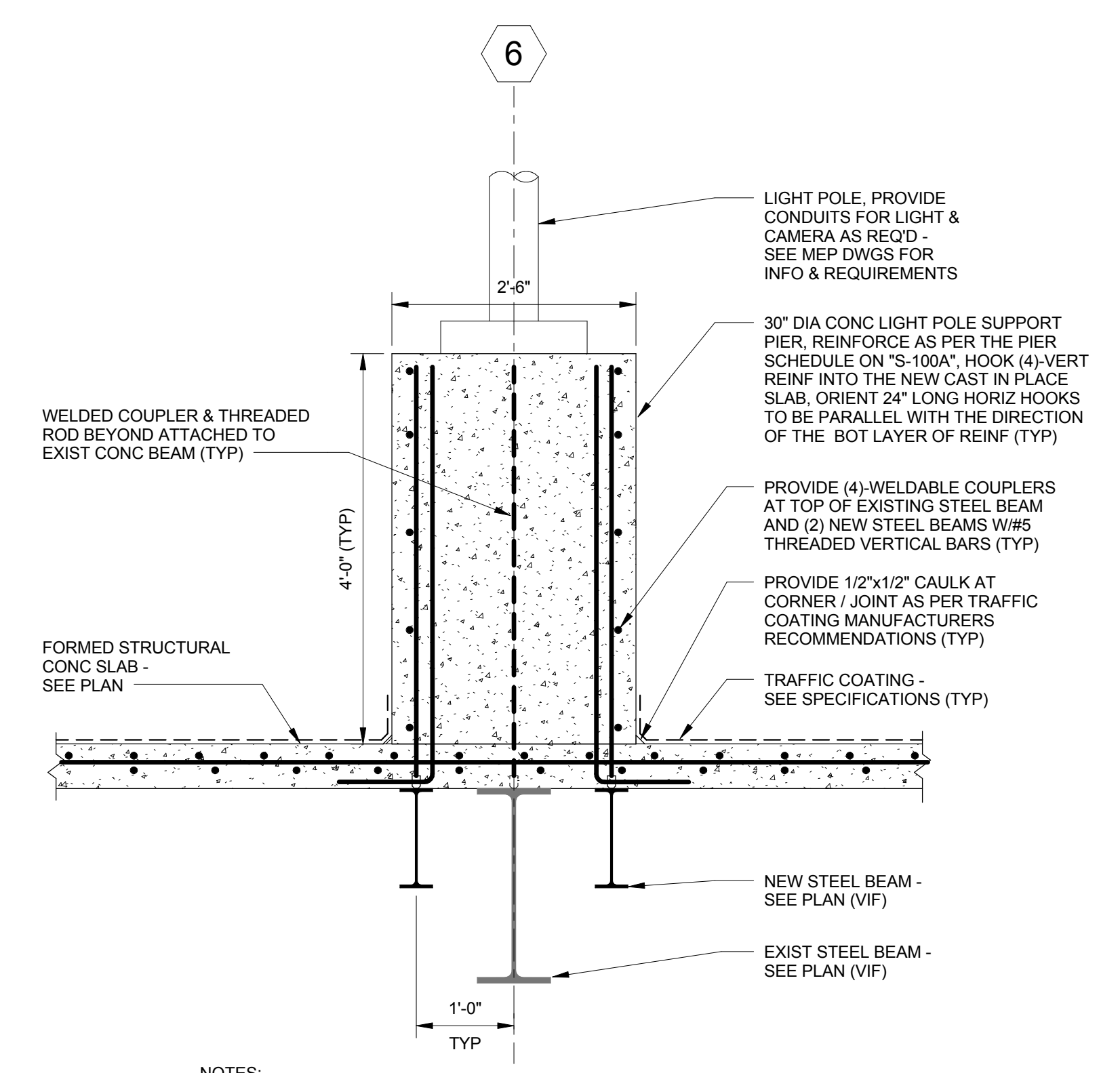


A PRECAST CONCRETE PANEL PLAN DETAIL
S-401 3/4" = 1'-0"

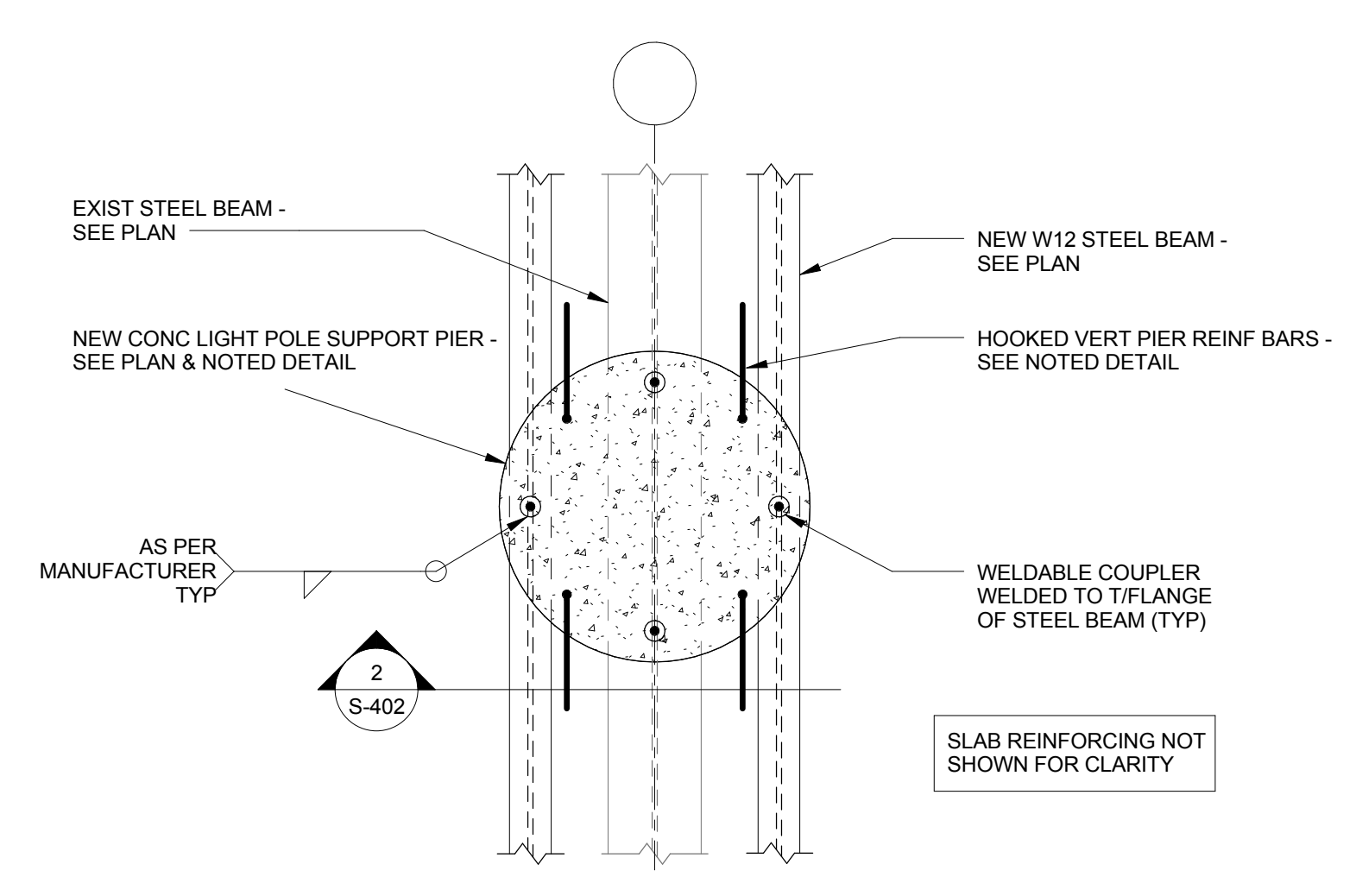




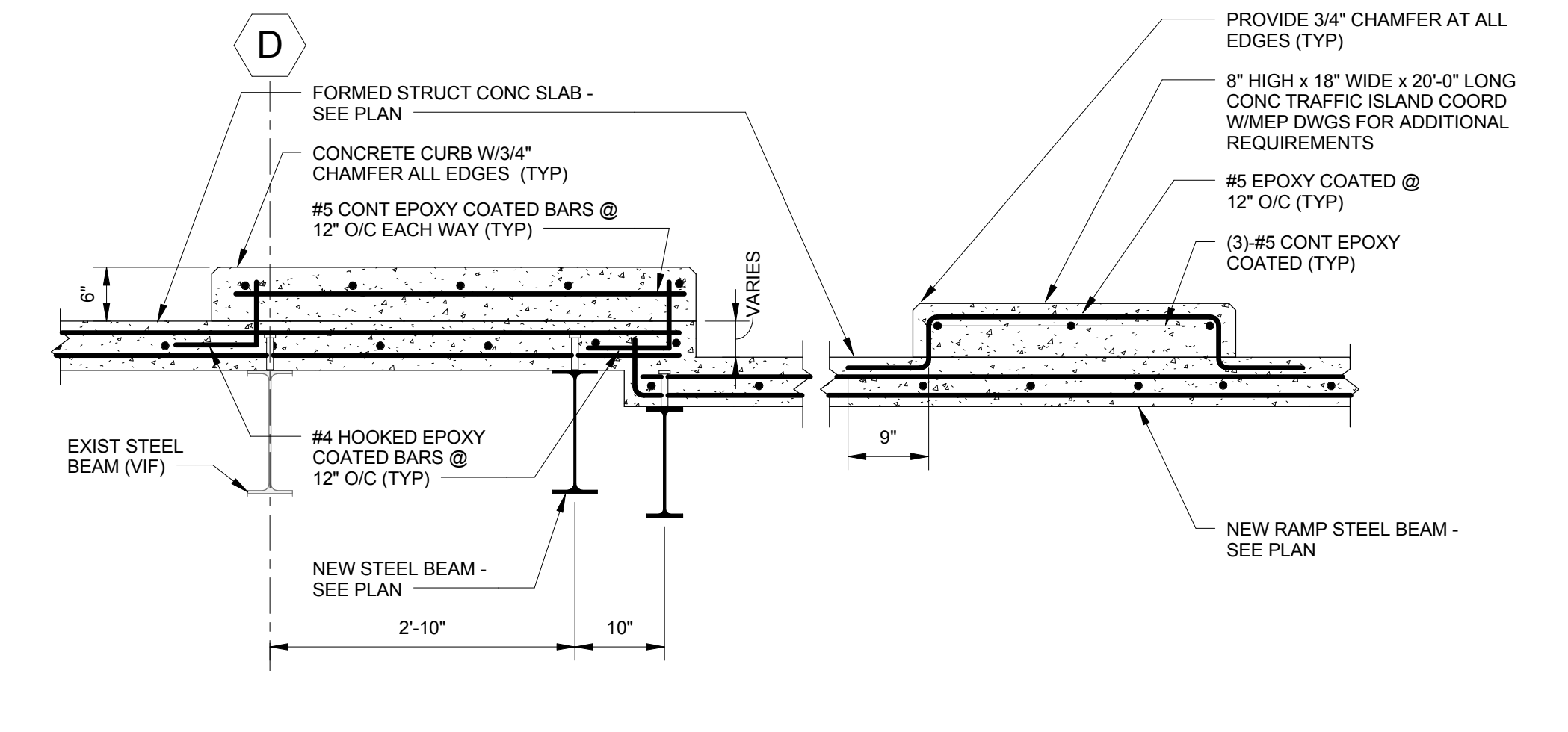
1 FRAMING SECTION
S-402 3/4" = 1'-0"



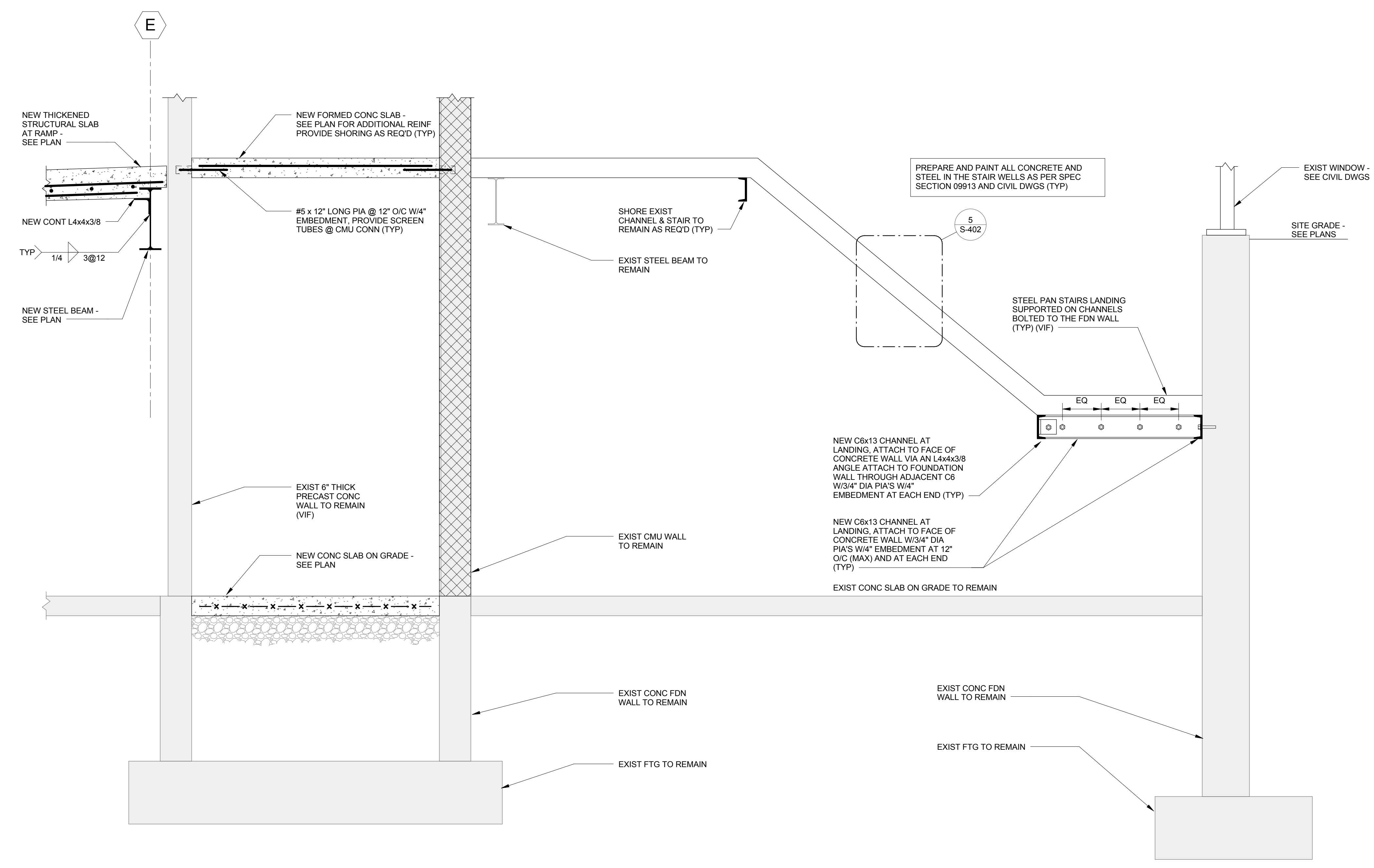
2 LIGHT POLE SUPPORT PIER ON STRUCTURAL SLAB DETAIL
S-402 3/4" = 1'-0"



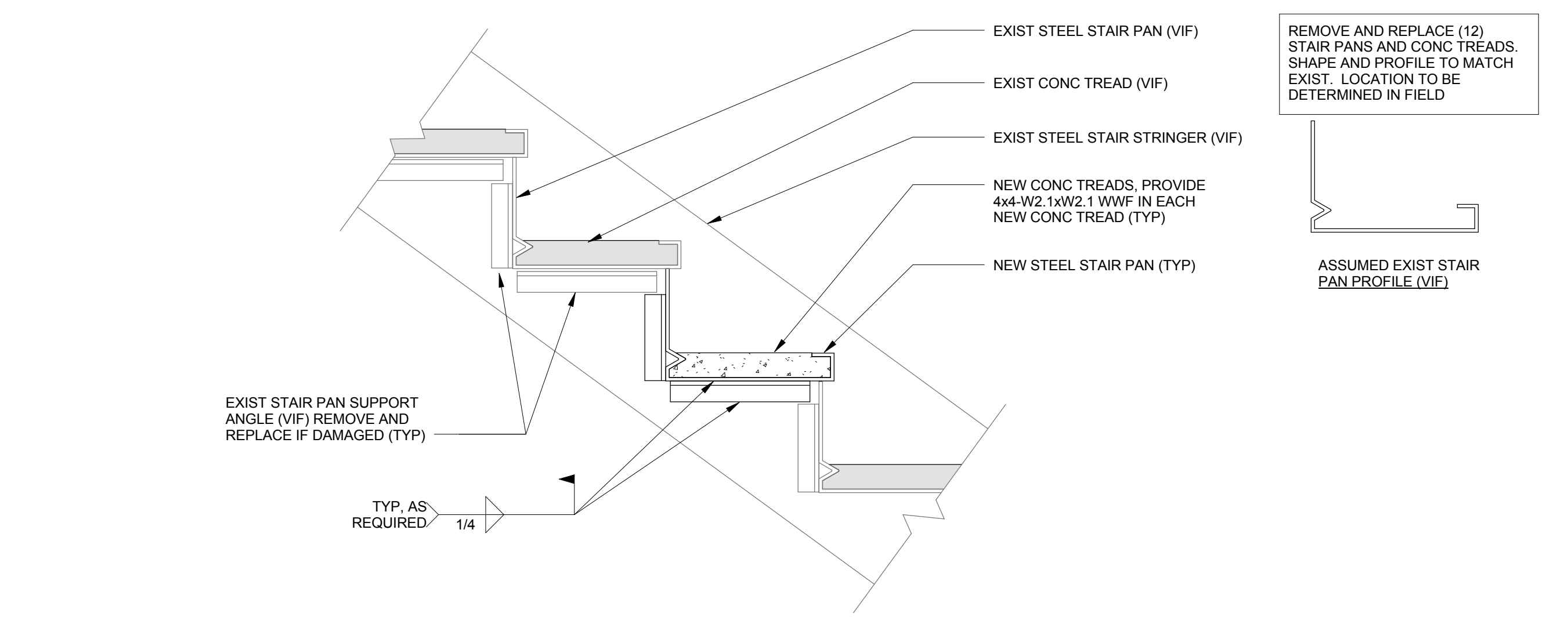
A TYPICAL LIGHT POLE SUPPORT PIER ON STEEL FRAMING DETAIL
S-402 3/4" = 1'-0"



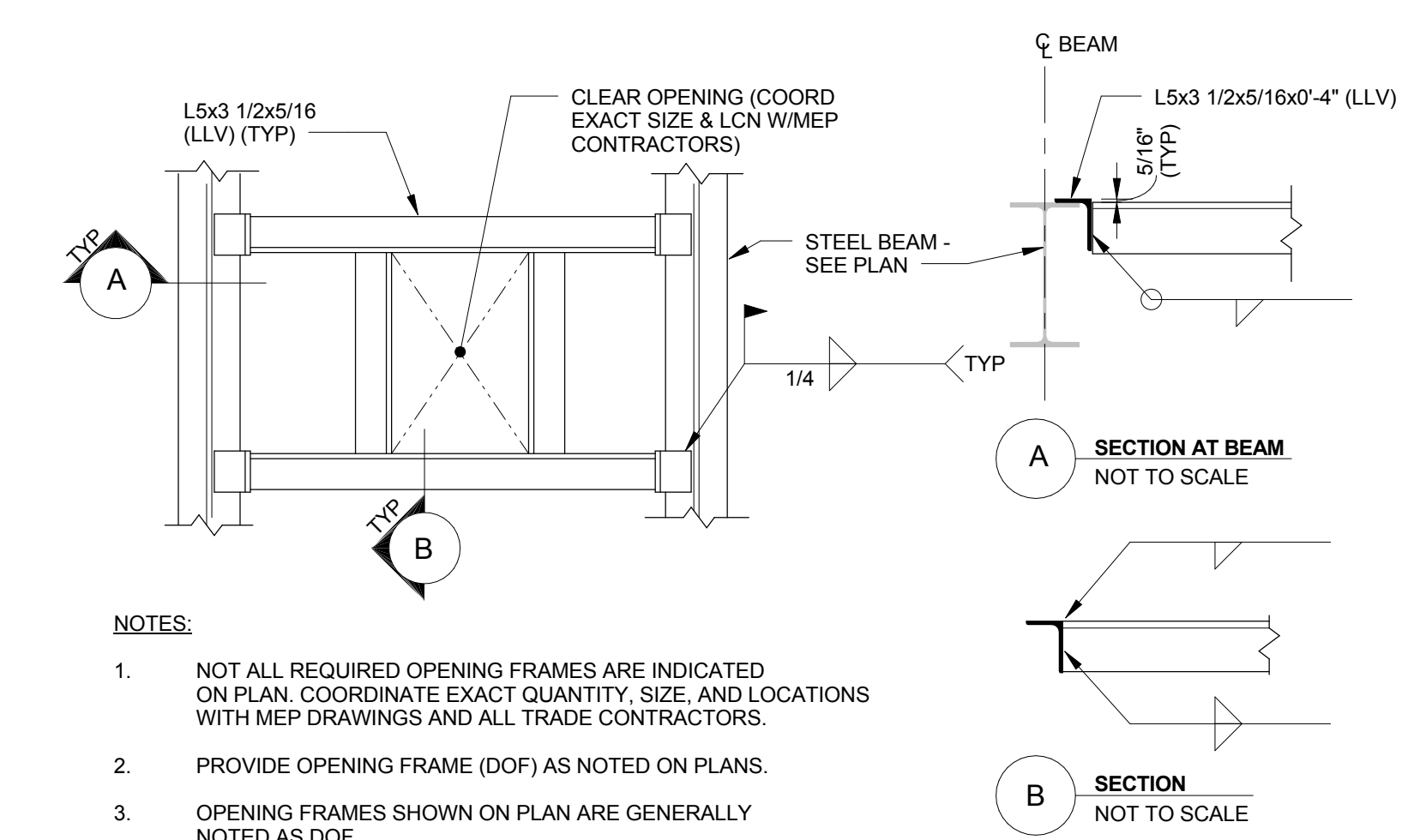
3 FRAMING SECTION
S-402 3/4" = 1'-0"



4 FRAMING DETAIL
S-402 3/4" = 1'-0"



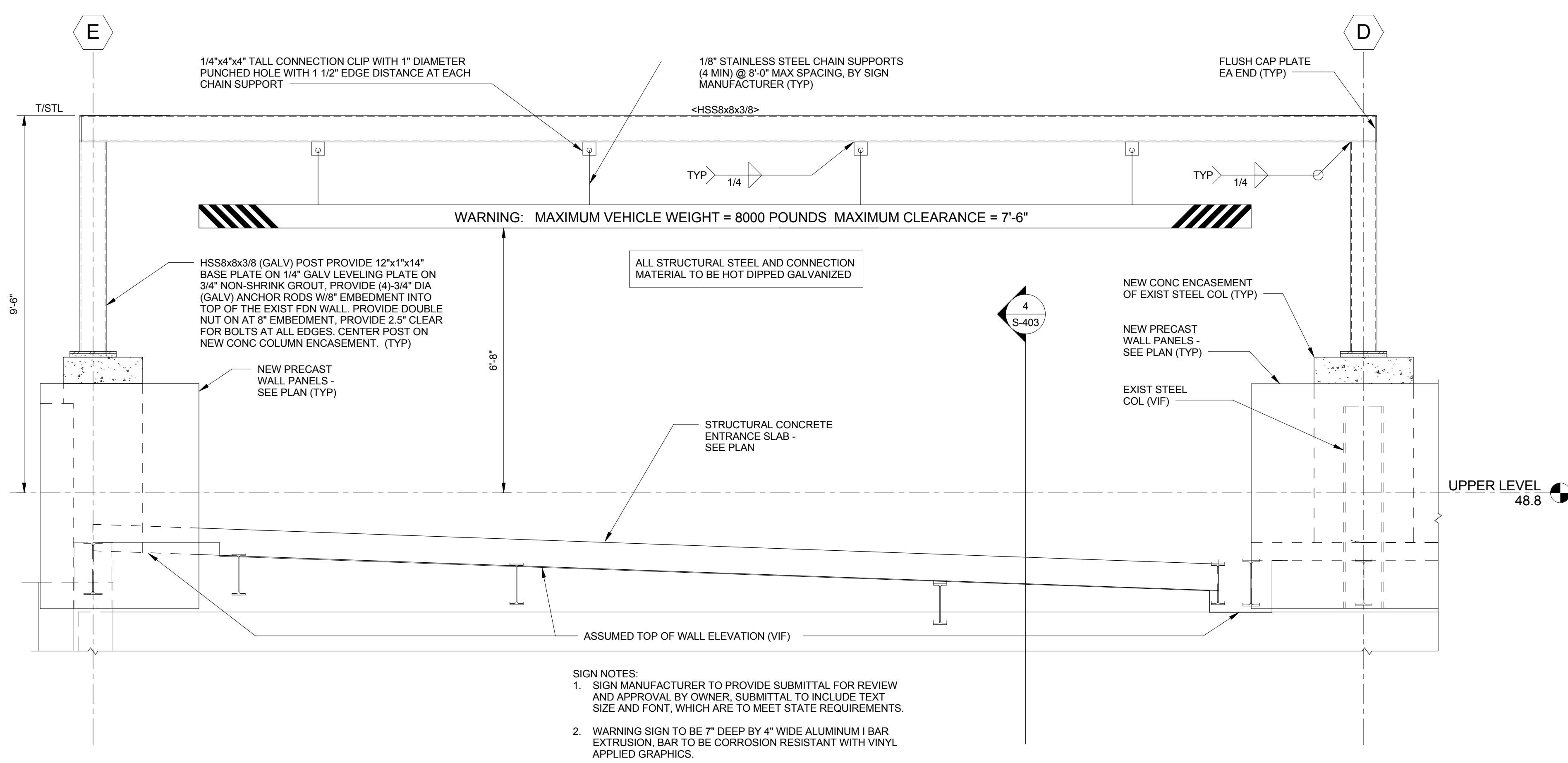
5 FRAMING DETAIL
S-402 1 1/2" = 1'-0"



6 DECK OPENING FRAME (DOF) DETAIL
S-402 NOT TO SCALE

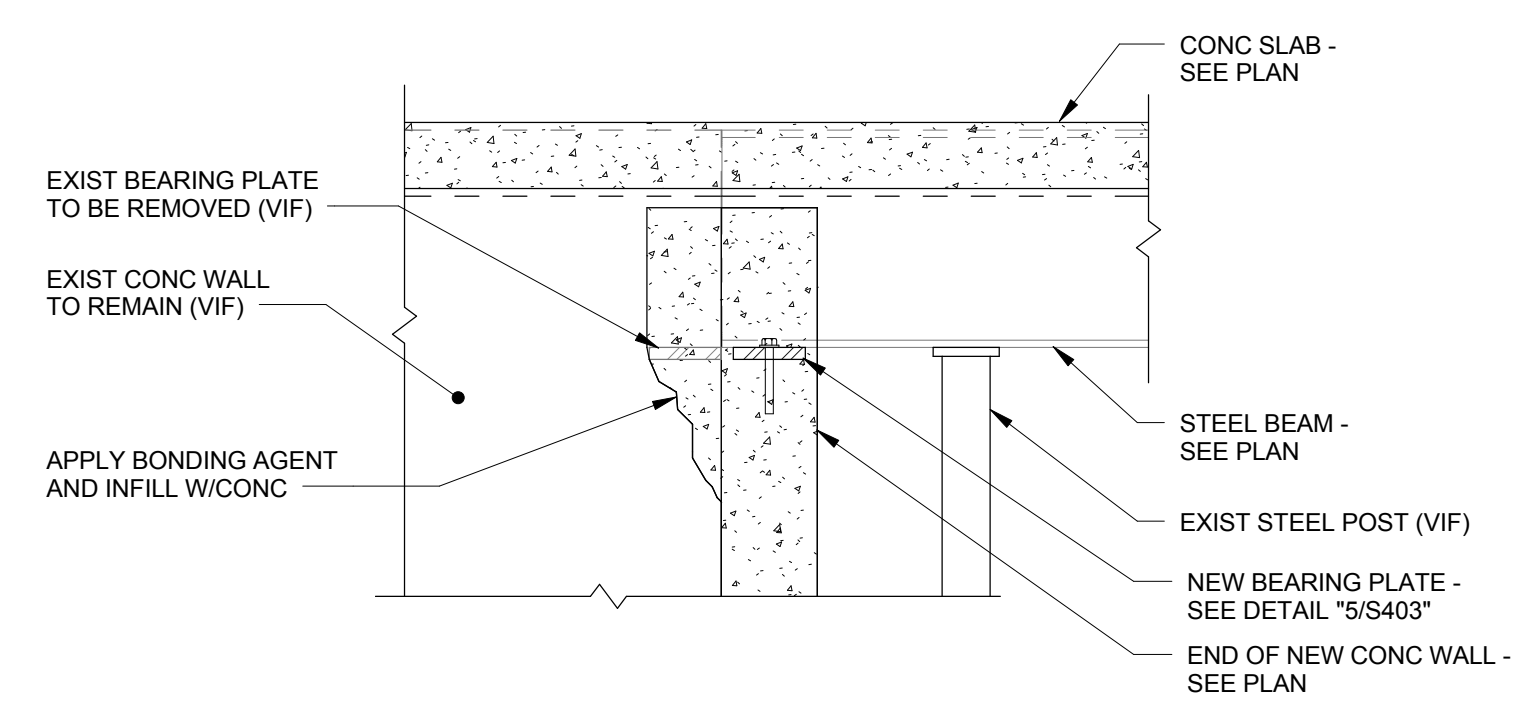
drawing title NEW FRAMING DETAILS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrated services		90 Griffin Road South Bloomfield, CT 06002 Tel: (860) 206-9171 www.bvh.com	date 12-01-2017 scale As indicated
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		drawn by JMM approved by MLI	drawing no. S-402
CAD no. STR R16.rvt		project no. BL-MH-121	

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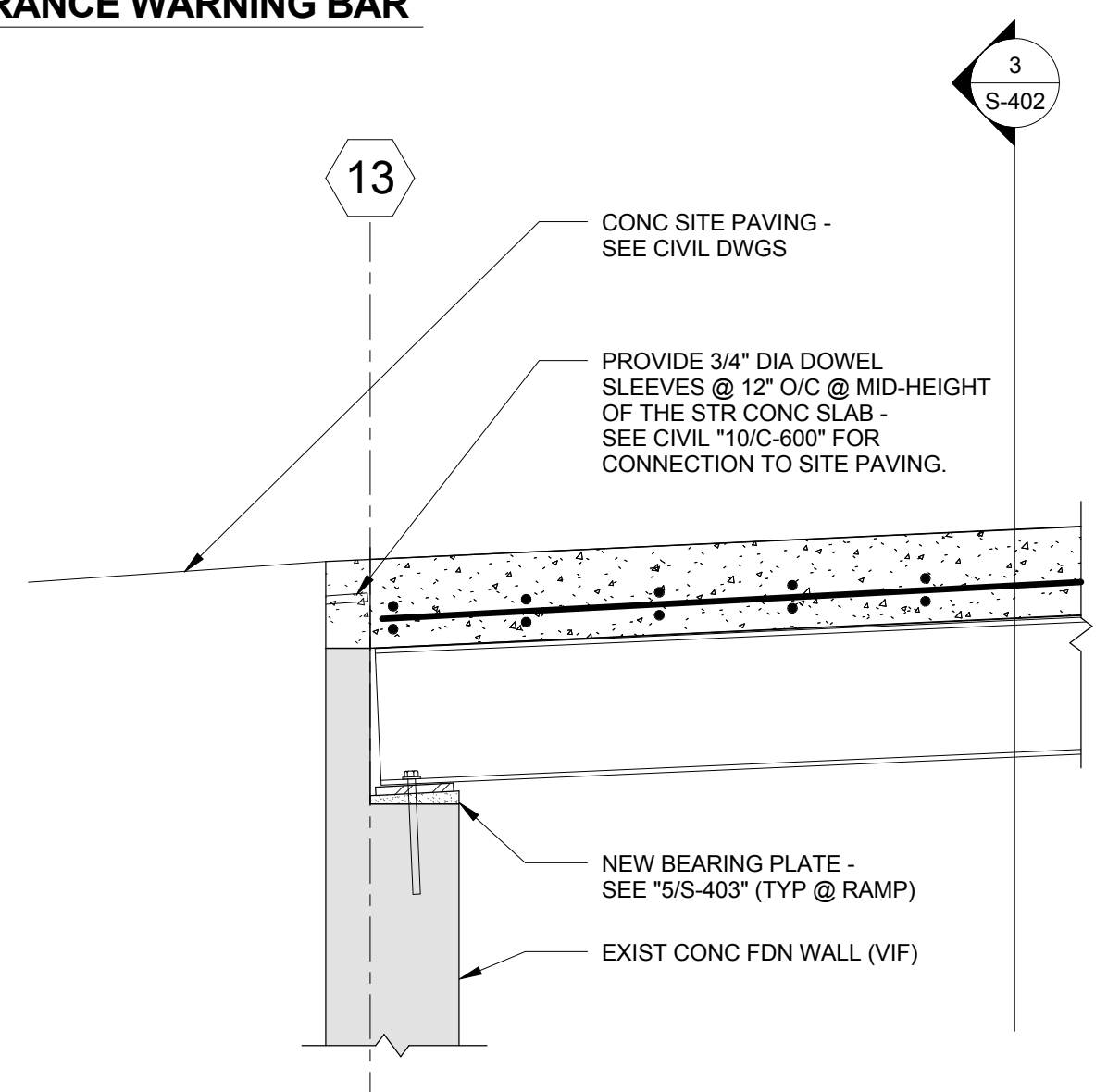


SIGN NOTES:
 1. SIGN MANUFACTURER TO PROVIDE SUBMITTAL FOR REVIEW AND APPROVAL BY OWNER. SUBMITTAL TO INCLUDE TEXT SIZE AND FONT, WHICH ARE TO MEET STATE REQUIREMENTS.
 2. WARNING SIGN TO BE 7\"/>

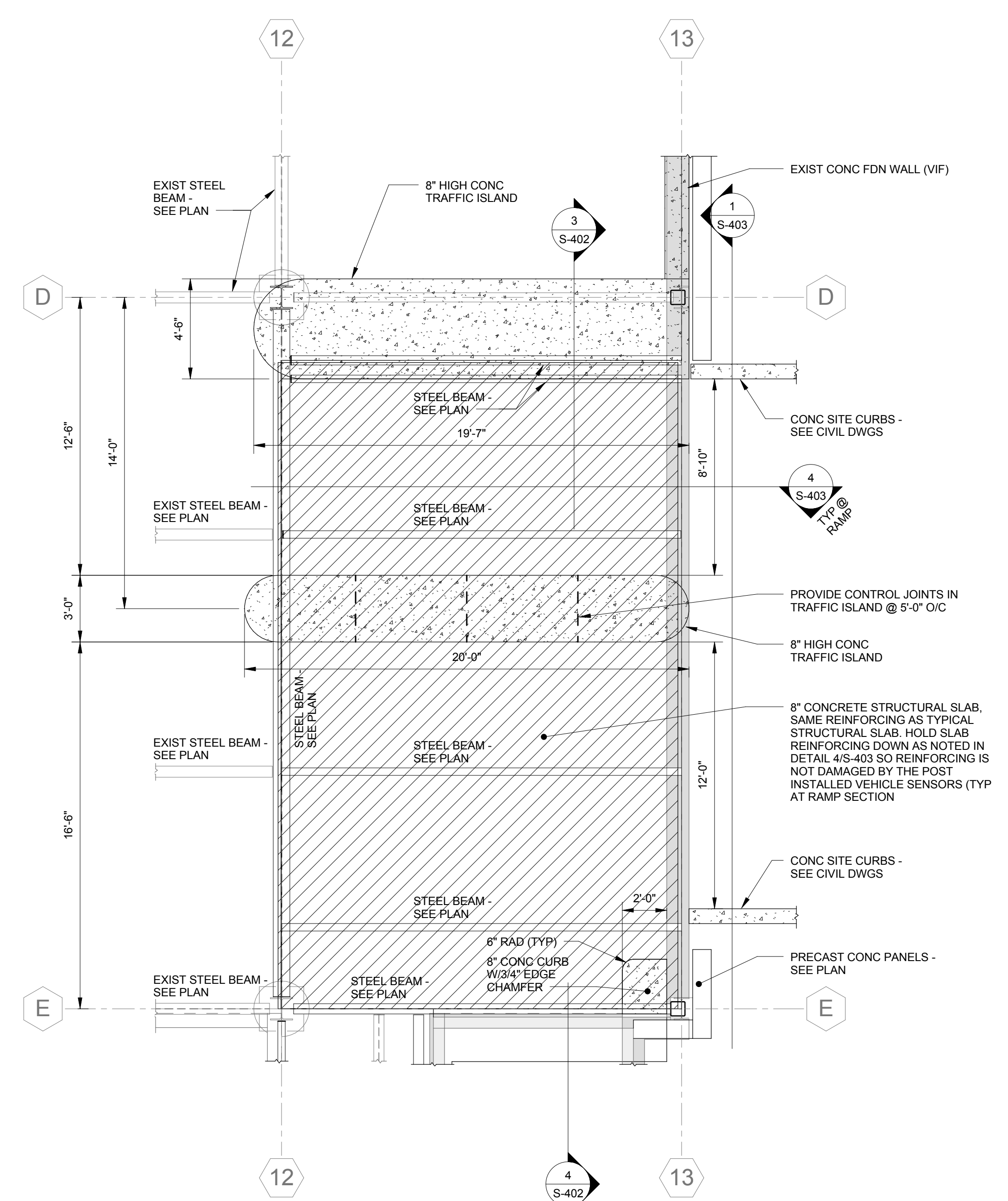
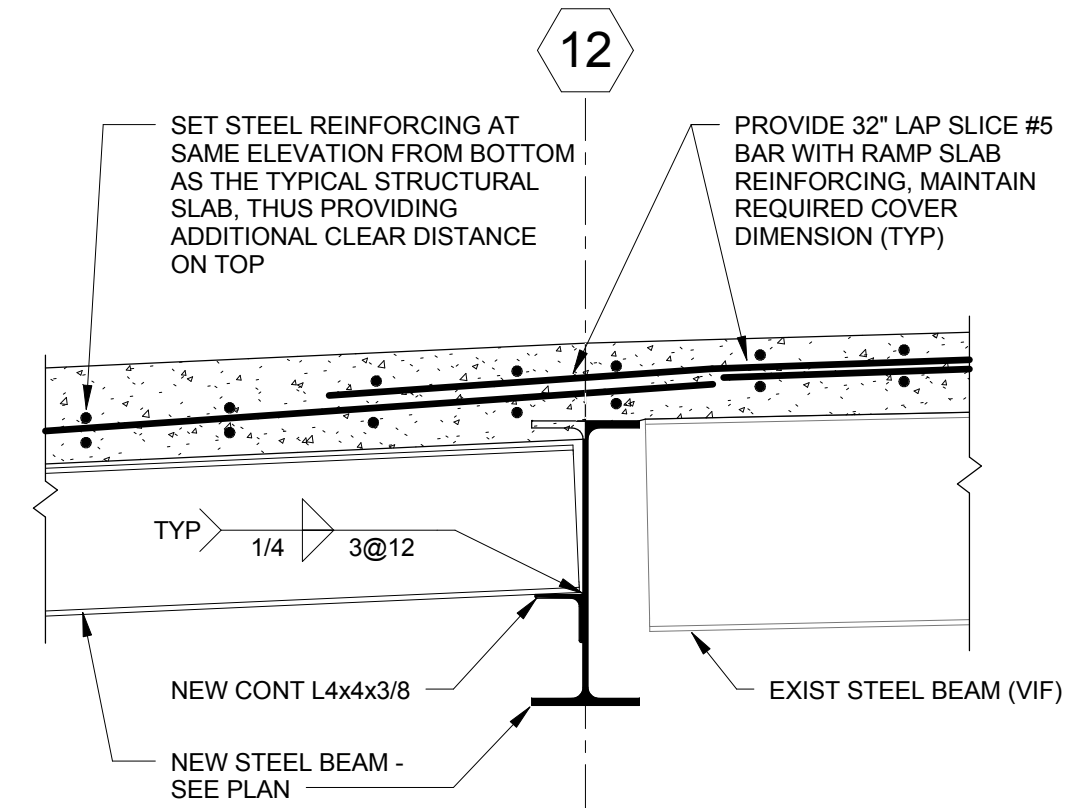
1 PARKING DECK ENTRANCE WARNING BAR
 S-403 1/2\"/>



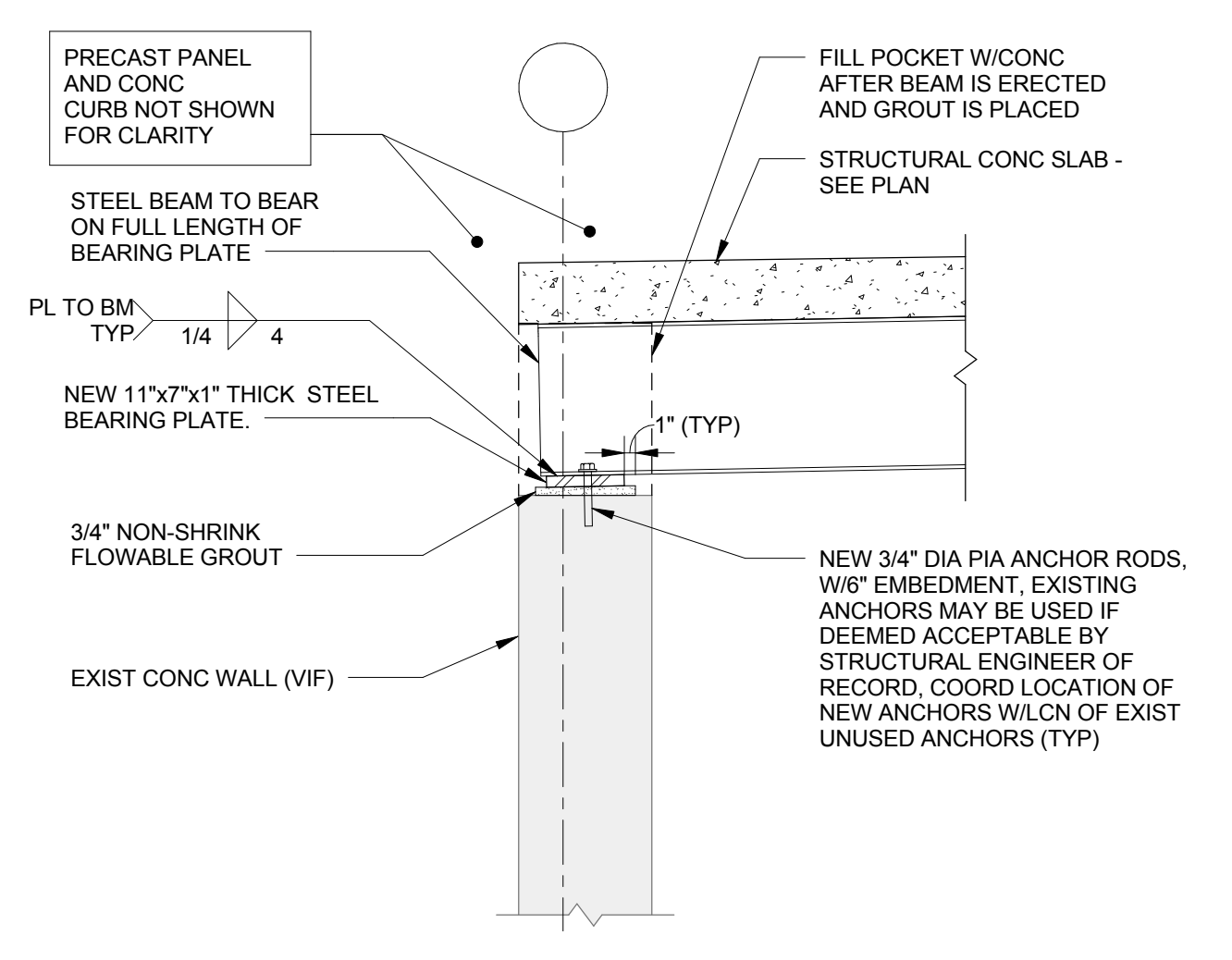
3 FRAMING SECTION
 S-403 3/4\"/>



4 FRAMING SECTION
 S-403 3/4\"/>



2 UPPER TRAFFIC
 S-403 1/4\"/>



5 FRAMING SECTION
 S-403 3/4\"/>



drawing title NEW FRAMING DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS					
mark	date	description	drawing prepared by	date	scale
			BVH integrated services	12-01-2017	As indicated
project			drawn by	approved by	
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			JMM	MLI	
CAD no. STR R16.rvt			project no. BL-MH-121	drawing no. S-403	

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MEPT ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes entries like A (GENERAL SERVICE COMPRESSED AIR), AC (AMPERE), ACU (AIR CONDITIONING UNIT(S)), etc.

MEPT ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes entries like F (FAHRENHEIT), FA (FIRE ALARM), FC (FOOT CANDLE), etc.

MEPT ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes entries like QTY (QUANTITY), R (RELAY), RD (ROOF DRAIN), etc.

MEPT GENERAL NOTES

- GENERAL
1. THE PROJECT DRAWINGS AND SPECIFICATIONS ARE BASED ON THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) DOCUMENTATION FORMAT. SPECIFICATION AND DRAWING CONTENTS ARE ARRANGED BY TOPIC AND CATEGORY AND ARE NOT INTENDED TO AWARD DIVISION OF WORK.
2. THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS...
3. THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID...
4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK...
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF VARIOUS EQUIPMENT...
6. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION...
7. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS...
8. COORDINATE PIPING AND CONDUITS ENTERING OR LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S)...
9. WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT...
10. BEFORE INSTALLATION, COORDINATE THE WORK WITH OWNER-FURNISHED EQUIPMENT...
11. PROVIDE THE REQUIRED/SPECIFIED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING INTERIOR AND EXTERIOR WALLS OR FLOOR SLABS...
12. INSTALL FLOOR MOUNTED EQUIPMENT ON A CONCRETE HOUSEKEEPING PAD...
13. SEISMICALLY SUPPORT THE EQUIPMENT AS REQUIRED BY CODE...
14. PROVIDE MEP COORDINATION DRAWINGS AS REQUIRED BY THE SPECIFICATIONS...
15. ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR...
16. PROVIDE PIPING, DUCTWORK, CONDUIT AND ALL OTHER ACCESSORIES AS REQUIRED FOR PROPER AND PROFESSIONAL SYSTEMS...
17. TEST AND BALANCE ALL MECHANICAL AND ELECTRICAL SYSTEMS...
18. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS...
19. DO NOT INSTALL IN STAIRWELL OR STAIRWELL WALLS...
20. PROVIDE PIPE EXPANSION COMPENSATION FOR THE VARIOUS PIPING SYSTEMS...
21. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING...
22. NO MECHANICAL OR ELECTRICAL SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.
RENOVATION
1. THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY...
2. CONTRACTORS SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS...
3. IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE...
4. WIRES, INSULATION, AND CONTROLS BACK TO THE POINT OF ORIGIN...
5. PROPERLY DISPOSE OF DEMOLISHED EQUIPMENT...
6. RELOCATE EXISTING EQUIPMENT, DEVICES, PIPING, WIRING, AND RELATED SYSTEMS...
7. PROVIDE TEMPORARY CONNECTIONS AND SYSTEM MODIFICATIONS...
8. ALL EXISTING EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED...
9. REBALANCE NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS...
10. SYSTEMS REQUIRING TO REMAIN IN OPERATION DURING DEMOLITION SHALL BE CAREFULLY PROTECTED FROM DAMAGE AND CONTAMINATION...

MEPT GENERAL NOTES

- PLUMBING
1. INCLUDE NECESSARY PIPING OFFSETS AND TRANSITIONS AS REQUIRED TO INSTALL THE PLUMBING FIXTURES AND EQUIPMENT...
2. COORDINATE EXACT LOCATION OF UNDERGROUND UTILITIES...
HVAC
1. PROVIDE DUCT TAKE-OFF TYPES AND VOLUME DAMPERS PER THE SPECIFICATIONS...
2. PROVIDE AN AUTOMATIC TEMPERATURE CONTROL SYSTEM...
3. PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAINS AT ALL LOW POINTS...
4. PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE-RATED CONSTRUCTION...
5. PROVIDE MOTORIZED DAMPERS AT ALL PERMANENT OPENINGS...
ELECTRICAL
1. IT IS NOT THE INTENTION TO SHOW EVERY FITTING, WIRE, OR DEVICE...
2. CONCEAL RACEWAYS IN FINISHED AREAS...
3. DO NOT INSTALL CONDUIT IN CONCRETE SLABS...
4. EACH INDIVIDUAL ELECTRICAL HOMERUN SHOWN ON FLOOR PLANS...
5. SERIES RATING OF PROTECTIVE/ISOLATION DEVICES...
6. ELECTRICAL EQUIPMENT AND PROTECTIVE DEVICES SHALL BE "FULLY" RATED...
7. PROVIDE INTERFACE CONNECTIONS TO THE FIRE ALARM SYSTEM...
8. MAKE CONNECTIONS TO LUMINAIRES...
9. EXIT SIGNS ARE NOT NECESSARILY SHOWN WIRED ON THE DRAWINGS...
10. CONNECT EMERGENCY LED UNITS...
11. INSTALL WIRING FROM AN EMERGENCY SOURCE...
12. BOND ALL OF THE FOLLOWING SERVICES TOGETHER...
13. PROVIDE BRANCH CIRCUITS FROM ELECTRICAL PANELS...
14. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING...
TECHNOLOGY
1. COORDINATE WITH CONSTRUCTION MANAGER...
2. BEFORE CONSTRUCTION CAN BEGIN IN ANY TELECOMMUNICATIONS ROOM...
3. PROVIDE SEPARATION BETWEEN RACEWAY, CABLES AND OTHER SOURCES...
4. ELBOW RADIUS FOR RACEWAYS SMALLER THAN 2" TO BE (6) SIX TIMES...
5. ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A (PLENUM RATED)...
6. COORDINATE PROPER METHODS FOR PENETRATIONS WITH FIRESTOPPING...
7. NO PENETRATIONS ARE ENTIRELY INDEPENDENT OF ANY STAIRWELL...
8. CABLE TRAYS, CONDUITS, SLEEVES AND J-HOOKS FOR FIBER BACKBONE...
9. CABLE TRAY, SURFACE MOUNTED RACEWAYS, CONDUITS, SLEEVES AND J-HOOKS...
10. COORDINATE THE INSTALLATION OF ALL CABLE TRAYS...
11. COORDINATE WITH CONSTRUCTION MANAGER, OWNER AND DIVISION 1626...
12. COORDINATE EXACT LOCATION(S) FOR MECHANICAL EQUIPMENT ETHERNET CONNECTION...
13. COORDINATE ELEVATOR CAB TELEPHONE LINE CONNECTION TERMINATION...
14. COORDINATE EXACT LOCATION(S) FOR MECHANICAL EQUIPMENT ETHERNET CONNECTION...
15. COORDINATE ELEVATOR CAB TELEPHONE LINE CONNECTION TERMINATION...

CODES LISTED BELOW APPLY TO ALL DRAWINGS AND SPECIFICATIONS ON THIS PROJECT

- 2016 CONNECTICUT STATE BUILDING CODE
• 2016 CONNECTICUT STATE FIRE SAFETY CODE
• THE FOLLOWING AS REFERENCED BY THE ABOVE CODES AND AMENDMENTS:
o 2012 INTERNATIONAL BUILDING CODE (IBC)
o 2012 INTERNATIONAL MECHANICAL CODE (IMC)
o 2012 INTERNATIONAL PLUMBING CODE (IPC)
o 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
o 2009 ICC/ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
o 2010 ANSIA/SHREVE/ISA STANDARD 90.1 - ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
o 2010 ASCE/SEI 7 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
o 2015 CONNECTICUT STATE FIRE PREVENTION CODE
o NFPA 12 STANDARD ON CARBON DIOXIDE EXTINGUISHING SYSTEMS, 2015
o NFPA 70 - NATIONAL ELECTRICAL CODE (NEC), 2014
o NFPA 72 - NATIONAL FIRE ALARM CODE, 2010
o NFPA 88A STANDARD FOR PARKING STRUCTURES, 2011
o NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS, 2012
o NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS, 2012
o NFPA 221 STANDARD FOR FIRE WALLS AND FIRE BARRIER WALLS, 2015

MEPT DRAWING LIST

Table with 2 columns: Drawing Code and Description. Lists drawings like MEP-100 (MEPT GENERAL NOTES AND ABBREVIATIONS), M-100A (LOWER LEVEL MECHANICAL PLAN AREA "A"), etc.

Grand total: 18



Table with 2 columns: Drawing Information and Revisions. Includes drawing title (MEPT GENERAL NOTES AND ABBREVIATIONS), project name (GBCMHC GECMHC PARKING GARAGE REPAIRS), and a table for revisions.

GENERAL SYMBOLS	
	THICK DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
	THIN LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	THIN DASHED LINES INDICATE EXISTING TRANSITIONS
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
EX	SUB LETTERS "EX" INDICATES EXISTING EQUIPMENT TO REMAIN INTACT
RE	SUB LETTER "RE" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
RL	SUB LETTER "RL" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
NL	SUB LETTER "NL" INDICATES NEW LOCATION OF RELOCATED EQUIPMENT
NR	SUB LETTER "NR" INDICATES NEW EQUIPMENT TO REPLACE EXISTING
RR	SUB LETTER "RR" INDICATES REMOVE EQUIPMENT AND REPLACE ON NEW SURFACE
*	* = a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z. WHEN TAGGED IN THE ELECTRICAL SYMBOL LIST, REFER TO THE ABBREVIATION LIST

PLUMBING SYMBOLS	
	COLD WATER
	VENT
	SOIL OR WASTE ABOVE GRADE
	SOIL OR WASTE BURIED
	WASTE & VENT COMBINATION ABOVE GRADE
	WASTE & VENT COMBINATION BURIED
	RAIN WATER LEADER
	STORM BURIED
	FLOOR DRAIN
	ROOF DRAIN

HVAC SYMBOLS	
	RECTANGULAR, FLAT OVAL OR ROUND AIR DUCT
	AIR DUCT WITH ACOUSTICAL LINING
	SUPPLY AIR DUCT UP
	SUPPLY AIR DUCT DOWN
	RETURN AIR DUCT UP
	RETURN AIR DUCT DOWN
	EXHAUST AIR DUCT UP
	EXHAUST AIR DUCT DOWN
	ACCESS DOOR
	FLEXIBLE DUCT CONNECTION
	CEILING SUPPLY DIFFUSERS
	CEILING RETURN / EXHAUST GRILLE
	HARD DUCTED DIFFUSER OR GRILLE WITH FULL SIZE BOTTOM TAKE-OFF
	DIRECTION OF SUPPLY OR OUTDOOR AIRFLOW
	DIRECTION OF RETURN OR EXHAUST AIRFLOW
	BACK DRAFT DAMPER
	VOLUME DAMPER
	FIRE DAMPER
	FIRE DAMPER WITH INTEGRAL SECURITY BARS
	ELECTRICAL HEATING CABLE - REFER TO ABBREVIATION LIST FOR DESIGNATION (XXX)
	SMOKE DAMPER SYSTEM AND ASSOCIATED DEVICES PER SPECIFICATIONS AND MEP DETAILS
	MOTORIZED DAMPER
	DIFFERENTIAL PRESSURE SENSOR
	VARIABLE FREQUENCY CONTROLLER
	ROOM THERMOSTAT OR TEMPERATURE SENSOR
	CARBON MONOXIDE SENSOR

DUCT SIZING	
20x12	RECTANGULAR DUCT
20Ø	ROUND DUCT
20/12	FLAT OVAL DUCT

FITTINGS AND VALVES	
	PIPE ANCHOR
	BACKFLOW PREVENTER
	STRAINER OR STRAINER WITH BLOW-DOWN VALVE HOSE END, CAP AND CHAIN
	WALL CLEANOUT OR BLIND FLANGE
	"T" TRAP
	PIPE TEE DOWN
	IN-LINE EXPANSION COMPENSATOR
	FLOOR CLEANOUT
	STEEL PENETRATION / PIPE SLEEVE
	PIPE ELBOW UP OR PIPE TEE UP
	PIPE ELBOW DOWN
	COMPANION FLANGE
	PIPE CAP OR CAPPED END OF PIPE
	UNION
	PIPE GUIDES
	TAKEOFF FROM TOP OF MAIN PIPE
	TAKEOFF FROM BOTTOM OF MAIN PIPE
	DIRECTION OF FLUID FLOW
	VALVE ON RISER
	VALVE ON DROP
	AIR VENT
	PIPE DROP WITH VALVE
	BALL VALVE
	SHUT-OFF VALVE (SEE SPECIFICATIONS FOR APPLICATION TYPE)
	BUTTERFLY VALVE
	CHECK VALVE
	GLOBE VALVE
	GATE VALVE
	OS&Y VALVE
	DRAIN VALVE WITH HOSE END, CAP & CHAIN OR WALL HYDRANT / HOSE BIBB
	FLEXIBLE CONNECTOR

ELECTRICAL SYMBOLS	
	PENDANT LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	SURFACE-MOUNTED LIGHT FIXTURE
	WALL-MOUNTED LIGHT FIXTURE
	RECESSED OR SURFACE-MOUNTED FIXTURE
	CEILING OR WALL-MOUNTED EXIT LIGHT FIXTURE
	CEILING OR WALL-MOUNTED EMERGENCY LIGHT UNIT
	LIGHT FIXTURE (PART OF EMERGENCY ILLUMINATION SYSTEM)
	SINGLE-POLE SWITCH
	LOW VOLTAGE SWITCH
	EMERGENCY OFF SWITCH
	EMERGENCY LIGHTING RELAY
	SINGLE-POLE DIMMER SWITCH
	MOMENTARY CONTACT SWITCH
	OCCUPANCY SENSOR W / POWER PACK (CEILING / WALL)
	MARK TIME SWITCH
	DAYLIGHTING SENSOR
	TIME CLOCK
	PHOTOCELL
	EMERGENCY OFF SWITCH WITH COVER
	DUPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH EQUIPMENT
	GROUNDING BUSBAR

ELECTRICAL SYMBOLS	
	FURNITURE PARTITION WHIP CONNECTION
	SURFACE MOUNTED RACEWAY. SEE PLANS OR SCHEDULE FOR QUANTITY OF DEVICES
	ELECTRICAL HEATING CABLE
	POWER WIRING
	SWITCH LEG WIRING
	CONTROL WIRING
	WIRING - REFER TO ABBREVIATION LIST (XXX)
	CIRCUIT BREAKER SIZE
	HOME RUN
	PANEL DESIGNATION
	PANEL DESIGNATION 20A-1P HOME RUN (TYPICAL)
	PANEL DESIGNATION POLES/AMPERAGE
	HOME RUN
	PANEL DESIGNATION CIRCUIT NUMBERS
	HOME RUN
	FEEDER TAG
	SURFACE ELECTRICAL PANEL, 480Y/277 OR 480 VOLT
	SURFACE ELECTRICAL PANEL, 208Y/120 OR 208 VOLT
	SURFACE SPECIAL-PURPOSE PANEL OR CABINET
	TRANSFORMER
	ENCLOSED SWITCH
	ELECTRIC MOTOR
	JUNCTION BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR
	SMOKE DETECTOR
	HEAT DETECTOR
	REMOTE INDICATOR
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM HORN / STROBE
	FIRE ALARM SPEAKER / STROBE
	FIRE ALARM STROBE
	MAGNETIC DOOR LOCK
	CODE BLUE CALL STATION

COMMUNICATIONS SYMBOLS	
	VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)
	DATA AND VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)
	DATA OUTLET(S); REFER TO ABBREVIATIONS (X)
	CABLE TRAY
	TELECOMMUNICATIONS EQUIPMENT RACK (TWO POST)
	TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)
	RACEWAY UP / DOWN

SECURITY SYMBOLS	
	ACCESS CONTROL PANEL
	INTERCOM STATION
	DOOR OPERATOR
	PUSH PLATE
	MAGNETIC DOOR LOCK
	ELECTRONIC DOOR STRIKE
	ELECTRONIC DOOR LATCH RETRACTION
	CARD READER
	REQUEST TO EXIT
	MASTER INTERCOM STATION
	ELECTRONIC DOOR HARDWIRING

INTRUSION DETECTION	
	AUDIBLE SIREN/HORN
	INTRUSION DETECTION PANEL
	GLASS BREAK ALARM
	KEYPAD
	DOOR CONTACT SWITCH
	MOTION DETECTOR
	SOUND DETECTOR

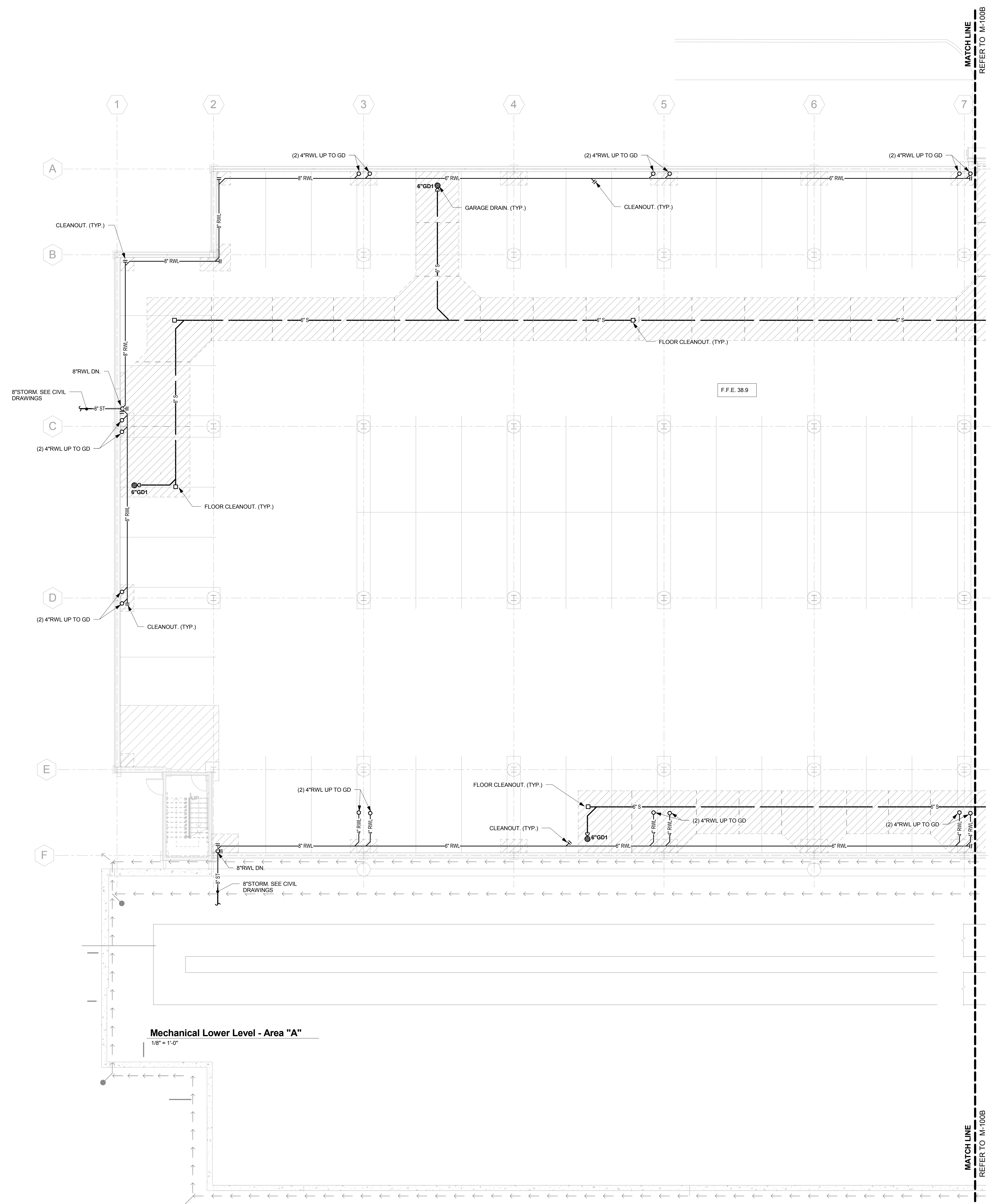
SURVEILLANCE	
	VIDEO SURVEILLANCE FIXED DOME CAMERA WITH HARDWARE
	VIDEO SURVEILLANCE PAN/TILT/ZOOM DOME CAMERA WITH HARDWARE
	180° VIDEO SURVEILLANCE DOME CAMERA WITH HARDWARE
	360° VIDEO SURVEILLANCE DOME CAMERA WITH HARDWARE
	VIDEO SURVEILLANCE FIXED CORNER CAMERA WITH HARDWARE
	VIDEO SURVEILLANCE FIXED CAMERA WITH HARDWARE
	VIDEO MONITOR
	NETWORK VIDEO RECORDER
	DIGITAL VIDEO RECORDER

RISER DIAGRAM SYMBOLS	
	BACKBONE COAX CABLING
	BACKBONE FIBER CABLING
	BACKBONE UTP COPPER CABLING
	HORIZONTAL COAX CABLING
	HORIZONTAL UTP COPPER CABLING
	CROSS-CONNECT
	EQUIPMENT RACK



MEPT SYMBOL LIST			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by		
mark	date	description			
			92 Gillette Road South Bloomfield, CT 06002 Tel: (860) 236-9171 www.bvh.com		
project			date		
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			12-01-2017		
CAD no.			scale		
MEP R16.rvt			NONE		
project no.			drawing no.		
BL-MH-121			MEP-101		

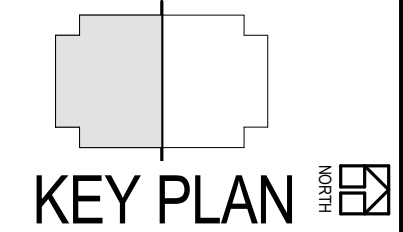
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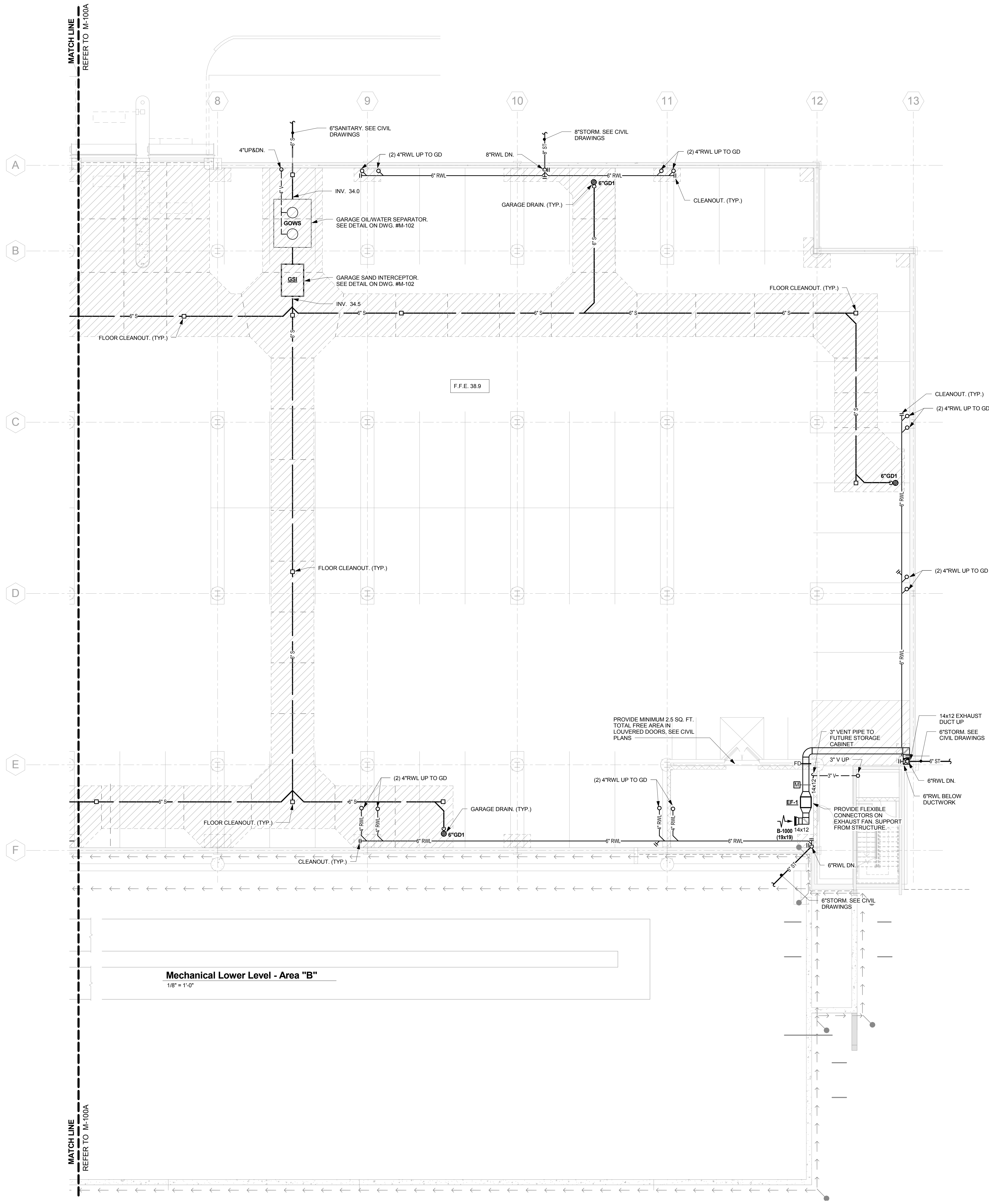
Mechanical Lower Level - Area "A"
1/8" = 1'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, FIXTURES, DEVICES AND ALL ASSOCIATED DUCTWORK AND PIPING TO BE REMOVED. NO EQUIPMENT OR PIPING SHALL BE ABANDONED IN PLACE, UNLESS SPECIFICALLY NOTED.

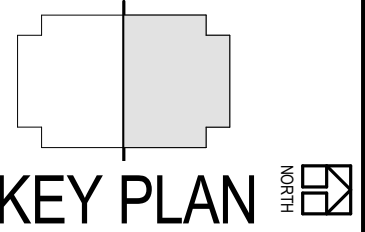


drawing title LOWER LEVEL MECHANICAL PLAN AREA 'A'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	drawn by	scale
			12-01-2017	ZK/DMC	1/8" = 1'-0"
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			approved by JLJ		
CAD no. MEP R16.rvt			project no. BLMH-121		
					M-100A



GENERAL NOTES

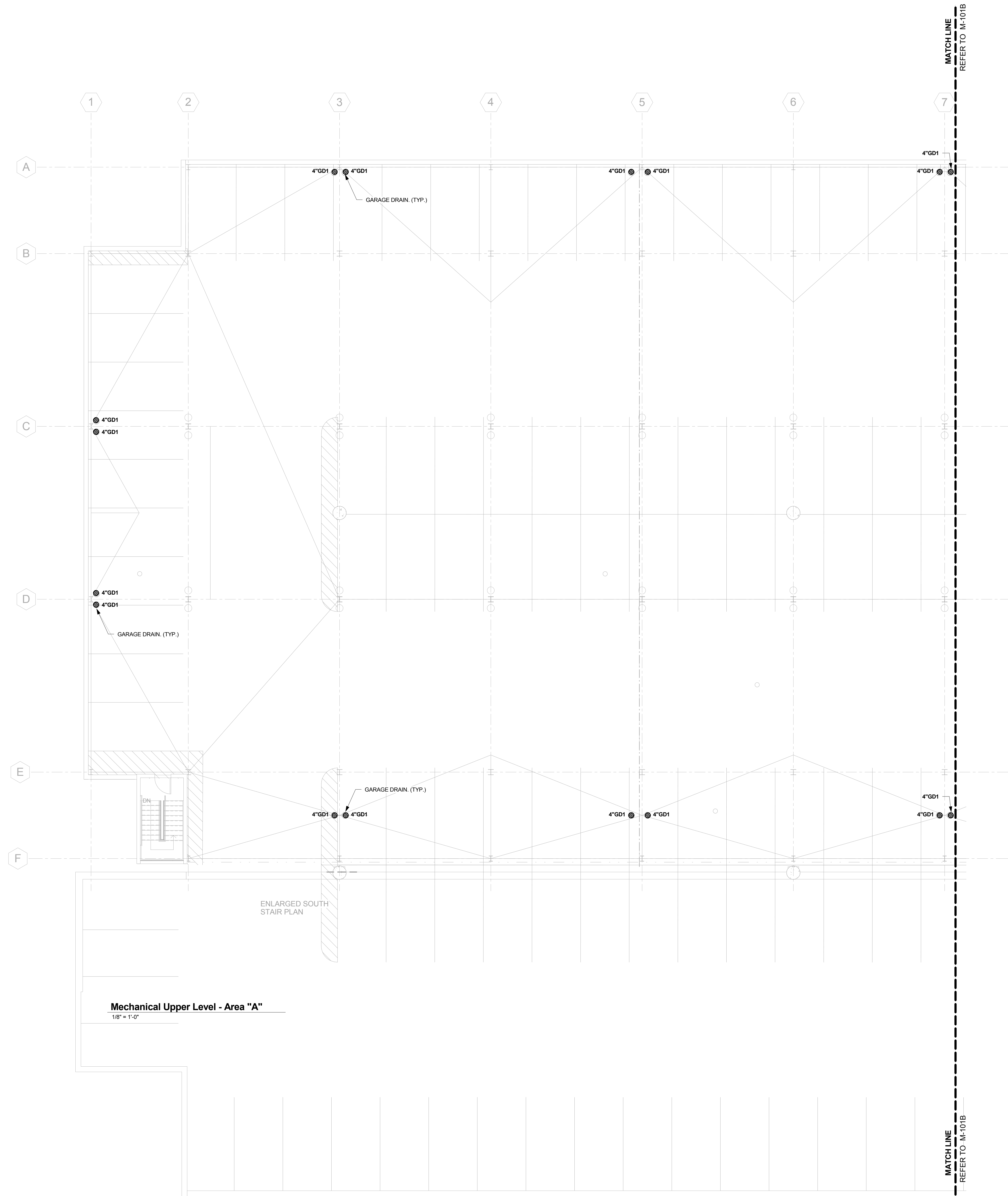
1. ALL EXISTING MECHANICAL EQUIPMENT, FIXTURES, DEVICES AND ALL ASSOCIATED DUCTWORK AND PIPING TO BE REMOVED. NO EQUIPMENT OR PIPING SHALL BE ABANDONED IN PLACE, UNLESS SPECIFICALLY NOTED.



drawing title LOWER LEVEL MECHANICAL PLAN AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	12-01-2017 1/8" = 1'-0"
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by ZKDMC	approved by JLJ	drawing no. M-100B
CAD no. MEP R16.rvt			project no. BLMH-121		

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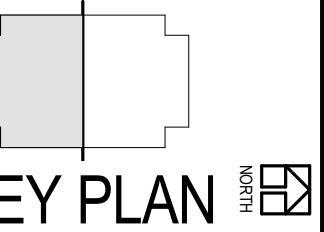


GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, FIXTURES, DEVICES AND ALL ASSOCIATED DUCTWORK AND PIPING TO BE REMOVED. NO EQUIPMENT OR PIPING SHALL BE ABANDONED IN PLACE, UNLESS SPECIFICALLY NOTED.

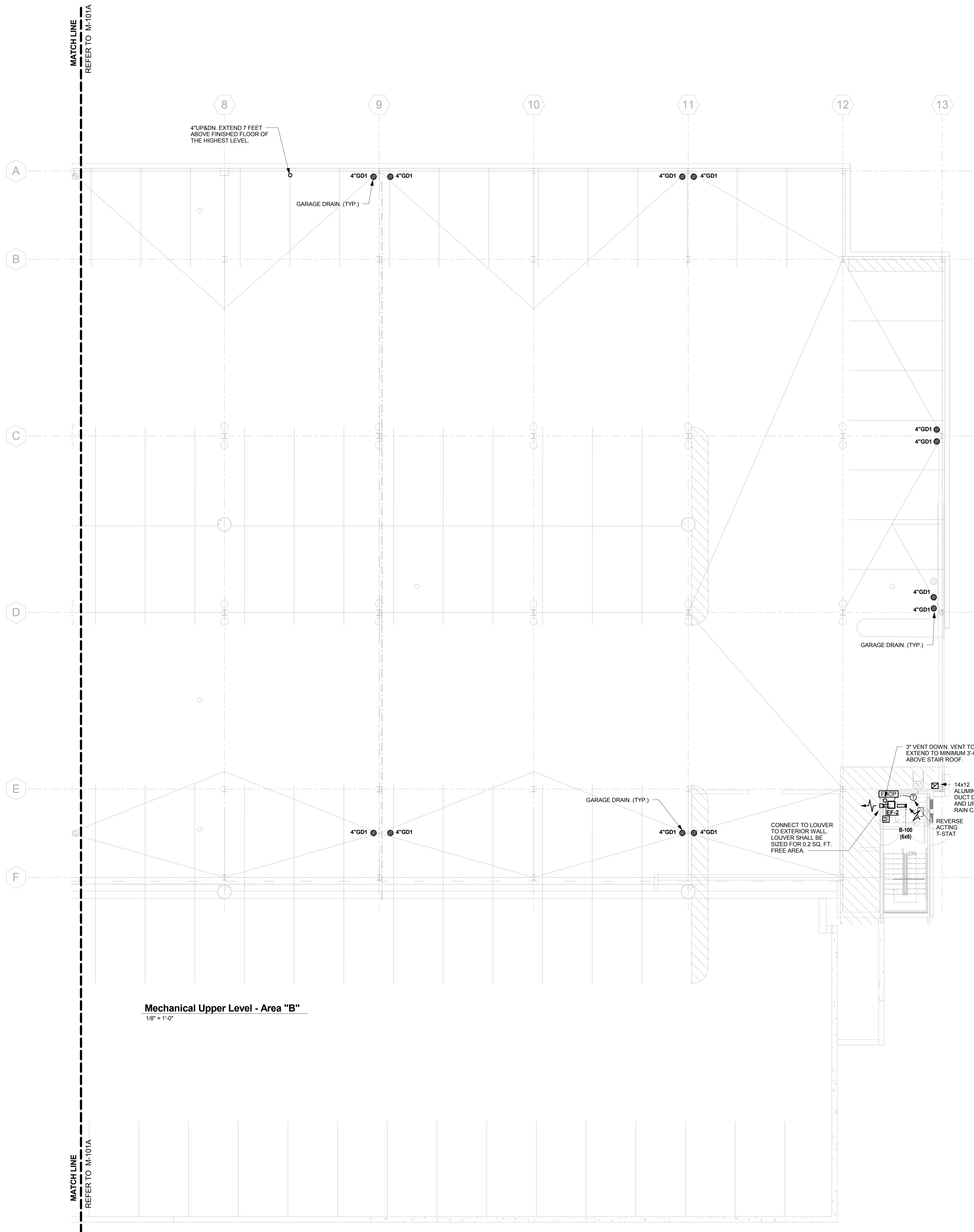
Mechanical Upper Level - Area "A"
1/8" = 1'-0"

ENLARGED SOUTH STAIR PLAN



drawing title UPPER LEVEL MECHANICAL PLAN AREA 'A'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	12-01-2017
				1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by ZK/DMC	approved by JLJ	drawing no. M-101A
CAD no. MEP R16.rvt			project no. BLMH-121		

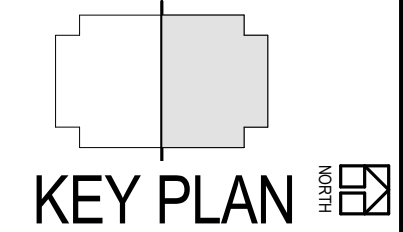
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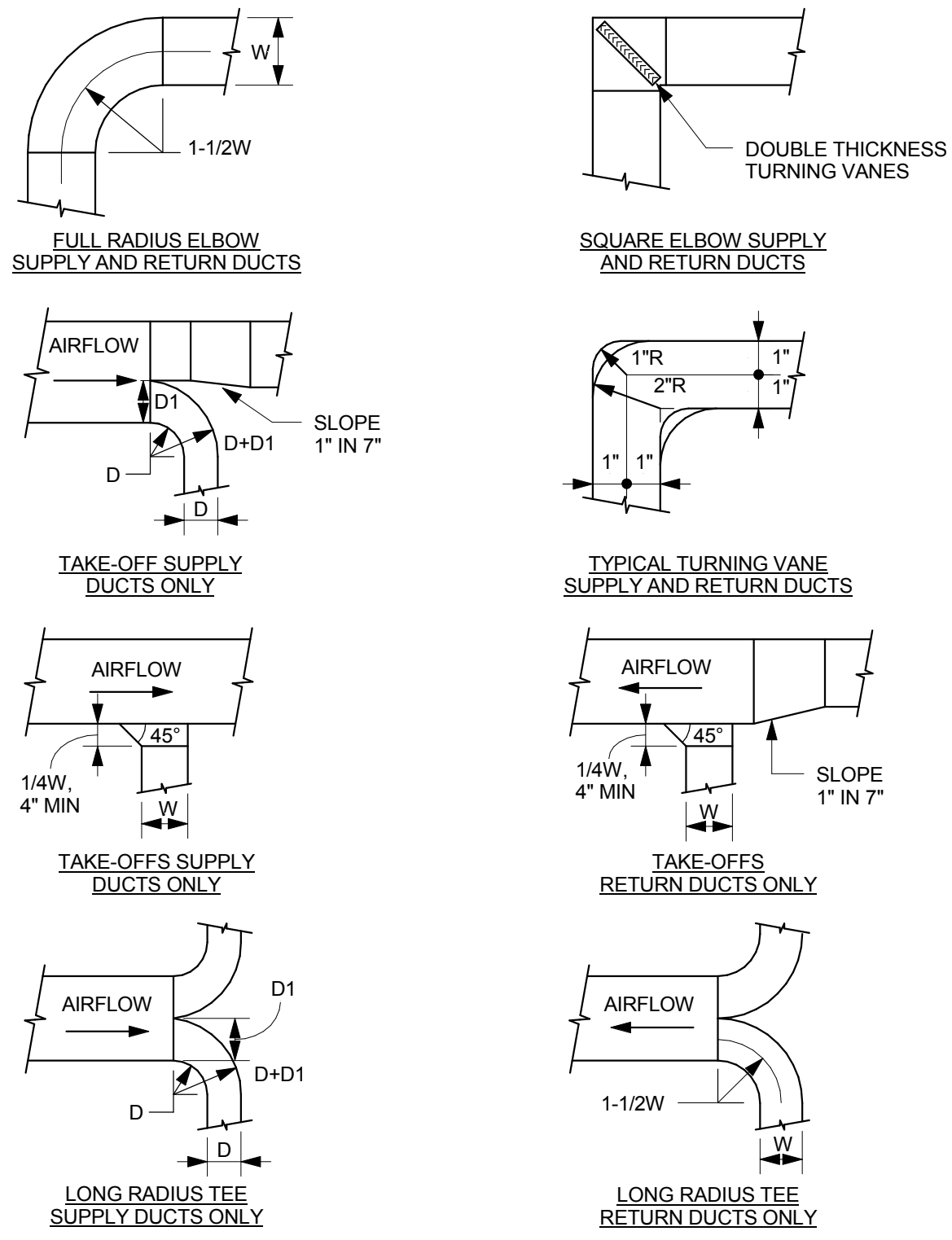
Mechanical Upper Level - Area "B"
1/8" = 1'-0"

GENERAL NOTES

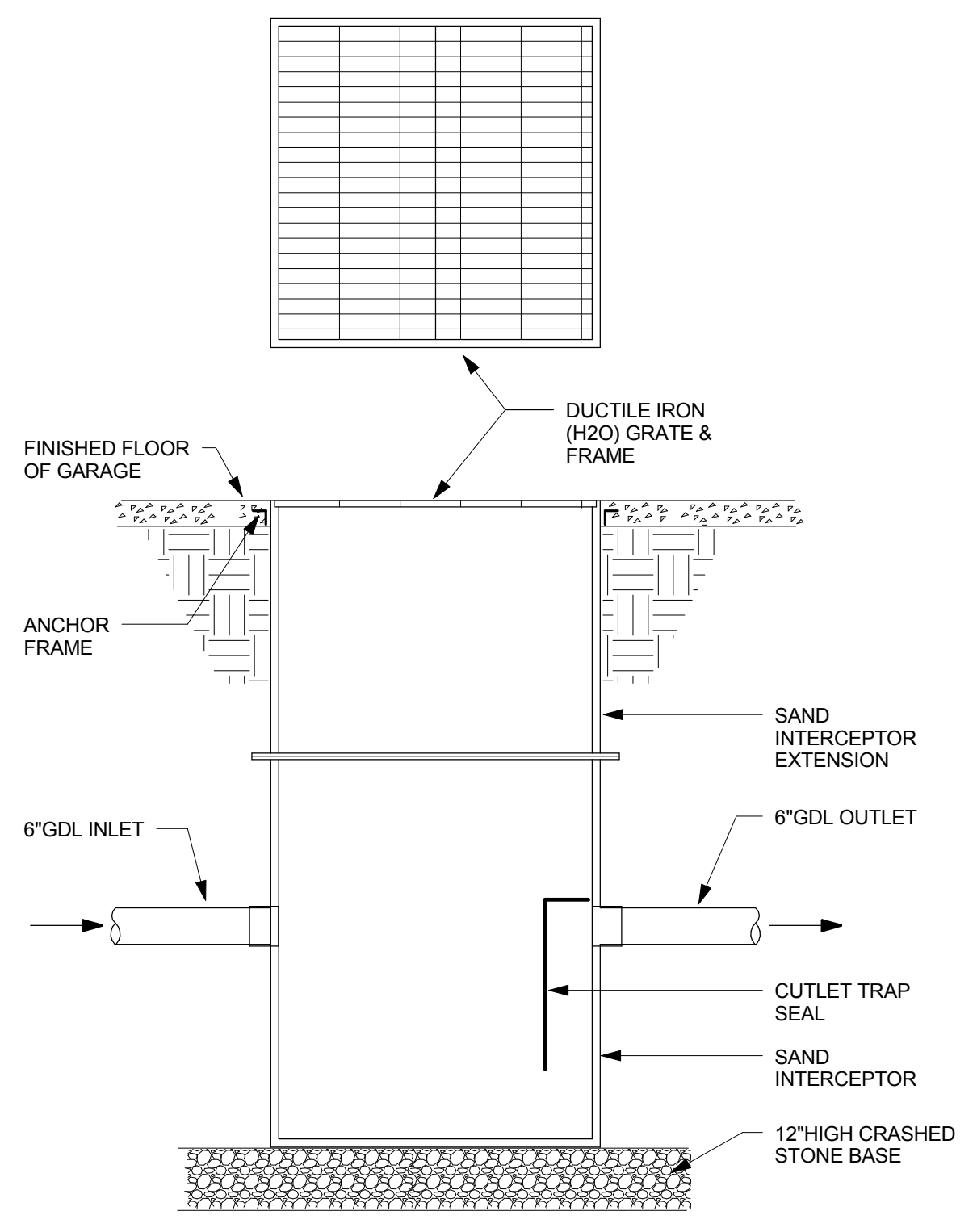
1. ALL EXISTING MECHANICAL EQUIPMENT, FIXTURES, DEVICES AND ALL ASSOCIATED DUCTWORK AND PIPING TO BE REMOVED. NO EQUIPMENT OR PIPING SHALL BE ABANDONED IN PLACE, UNLESS SPECIFICALLY NOTED.



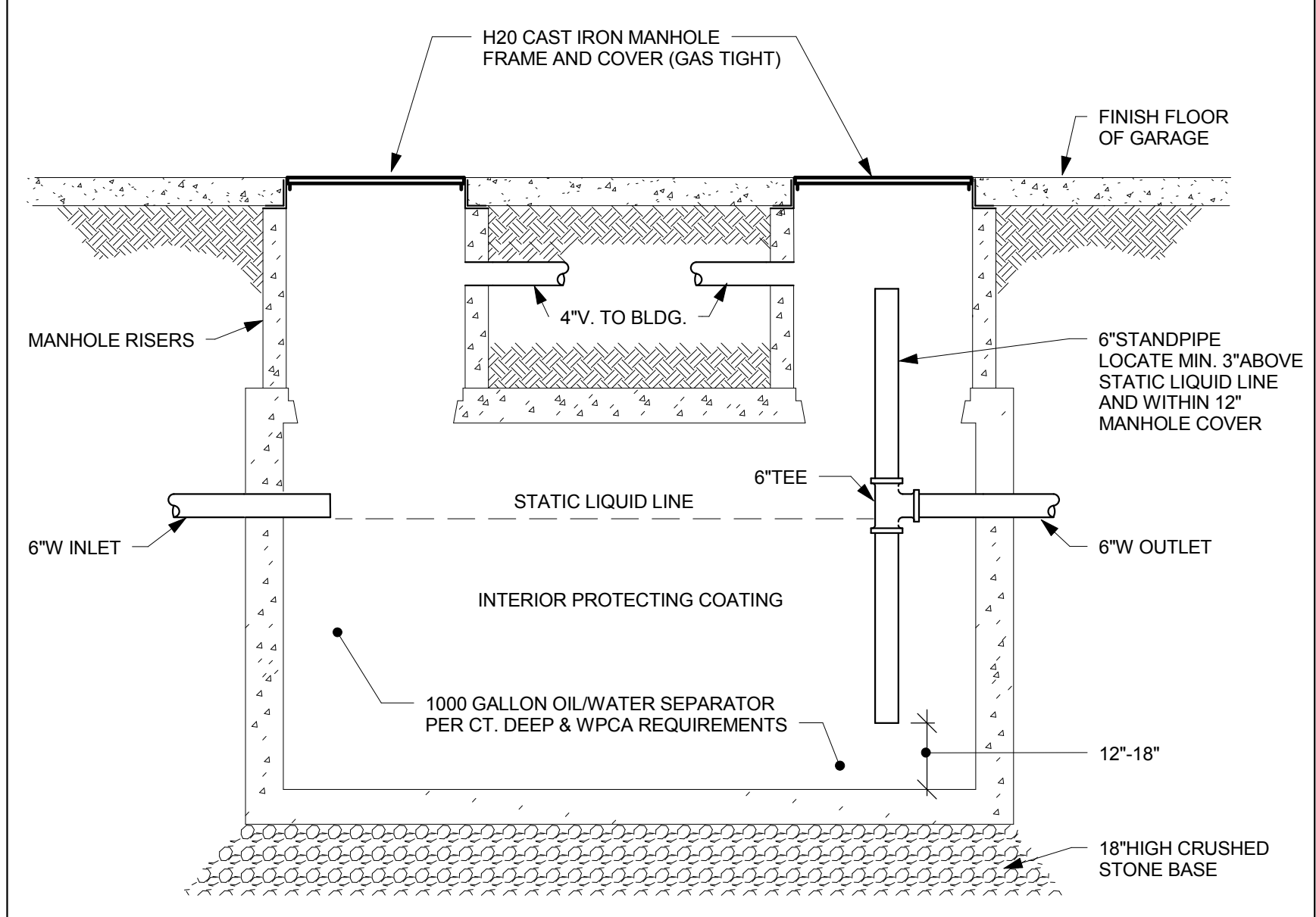
drawing title UPPER LEVEL MECHANICAL PLAN AREA 'B'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	date 12-01-2017
mark	date	description	scale 1/8" = 1'-0"
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		drawn by ZKDMC	approved by JLJ
CAD no. MEP R16.rvt	project no. BLMH-121	drawing no. M-101B	



DUCT DETAILS
NOT TO SCALE



GARAGE SAND INTERCEPTOR DETAIL
NOT TO SCALE



GARAGE OIL/WATER SEPARATOR DETAIL
NOT TO SCALE

PLUMBING DRAINAGE SPECIALTIES SCHEDULE			
GENERAL NOTES: PROVIDE SUPPORTS AND NECESSARY TRAPS, FITTINGS, ADAPTERS, ETC. AS NECESSARY FITTINGS TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR EQUIVALENTS.			
TYPE	SPECIALTY ITEM	DESCRIPTION	REMARKS
WALL	CLEANOUT (ROUND)	WADE #8480R8, 8" DIAMETER STAINLESS STEEL ACCESS COVER WITH VANDAL PROOF CENTER SCREW.	
FLOOR (CO)	CLEANOUT (ROUND)	WADE 8000Z, CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, FLANGED FERRULE WITH TAPERED PLUG AND HEAVY DUTY DUCTILE IRON SECURED COVER WITH VANDAL PROOF SCREWS.	
"G01"	GARAGE DRAIN	ZURN #2536-Z-NH-C-DG-G-VP-Y, HEAVY DUTY GALVANIZED CAST IRON BODY WITH BOTTOM OUTLET, NO-HUB, 1 1/2" DIA. TOP WITH HEAVY DUTY DUREST GRATE, SEDIMENT BUCKET, UNDERDECK CLAMP (TOP LEVEL), VANDAL PROOF SECURED TOP.	SEE FLOOR PLAN FOR SIZE
"G05"	GARAGE OIL/WATER SEPARATOR	OLDCASTLE PRECAST MODEL #OWS-1000, 1000 GALLON OIL/WATER SEPARATOR CONSTRUCTED OF 5000 PSI CONCRETE WITH ASTM A-615 GRADE 60 STEEL REINFORCEMENT, DESIGNED TO MEET ASTM C-895 AND ACI 318 AND AASHTO HS-20 LOADING. CONSTRUCTION JOINTS SEALED WITH 1" DIA. BUTYL RUBBER. TWO COMPARTMENT O/W SEPARATOR SHALL HAVE (2) 24" MANHOLE OPENINGS WITH MANHOLE RISERS AND AND H-20 TRAFFIC FRAMES AND COVERS SET TO FINISHED GARAGE FLOOR ELEVATION. INSIDE OF INTERCEPTOR TO BE COATED WITH OIL AND GAS LONE RESISTANT EPOXY AND ENTIRE UNIT SHALL BE COMPLIANT WITH THE STATE OF CONNECTICUT D.E.P. AND THE W.P.C.A. REGULATIONS.	
"G51"	GARAGE SAND INTERCEPTOR	JR SMITH #8811-260-E48-F FABRICATED STEEL SAND INTERCEPTOR RATED FOR A MAXIMUM FLOW RATE OF 250 GPM. GRAY DURO COATED INSIDE AND OUTSIDE. 6" NO-HUB INLET AND OUTLET WITH OUTLET TRAP SEAL. 48" HIGH EXTENSION, ANCHOR FLANGE AND DUCTILE IRON GRATE AND FRAME RATED FOR H20 TRAFFIC LOADING.	

FAN SCHEDULE									
TAG	MFR	MODEL	TYPE	DRIVE	CFM	ESP (IN WC)	RPM	MOTOR HP	BRAKE HP
EF-1	GREENHECK	SQ-120-VG	INLINE	DIRECT	1000	0.7	1333	1/2	0.22
EF-2	GREENHECK	SQ-97-VG	INLINE	DIRECT	100	0.5	1275	1/4	0.06

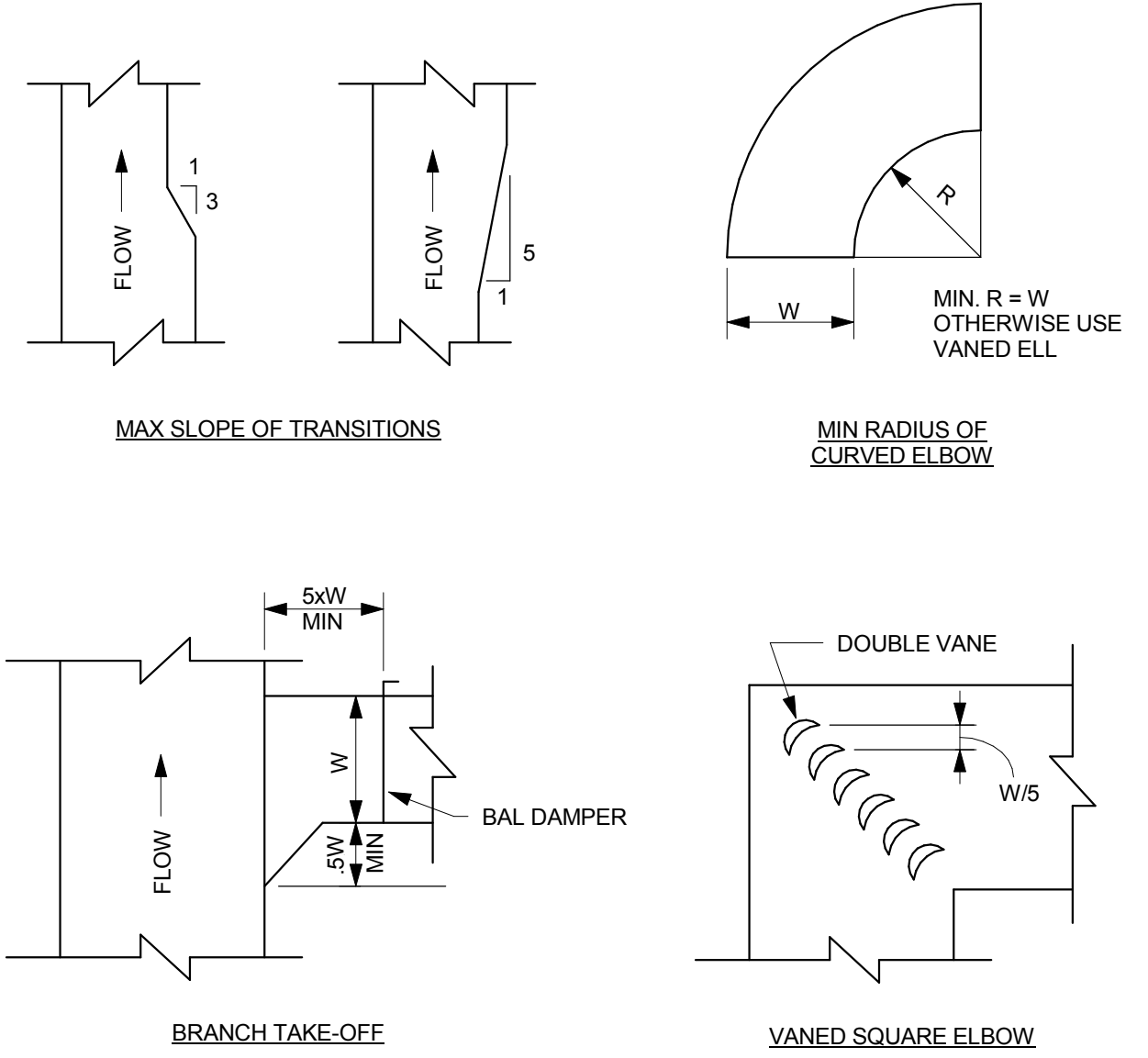
ELECTRICAL					
TAG	VOLTS / PHASE	HOME RUN	BRANCH CIRCUIT SIZE	SW / FUSE	VFC
EF-1	115/1	20A-1P LLP-1	3/4" C - 2 #12 & 1 #12 GND	TOGGLE	NO
EF-2	115/1	WIRE WITH EF-1	3/4" C - 2 #12 & 1 #12 GND	TOGGLE	NO

SOUND POWER (db)									
TAG	1ST OCTAVE	2ND OCTAVE	3RD OCTAVE	4TH OCTAVE	5TH OCTAVE	6TH OCTAVE	7TH OCTAVE	8TH OCTAVE	REMARKS
EF-1	68	66	67	66	59	55	51	46	[1]
EF-2	79	80	67	64	56	52	49	44	[1]

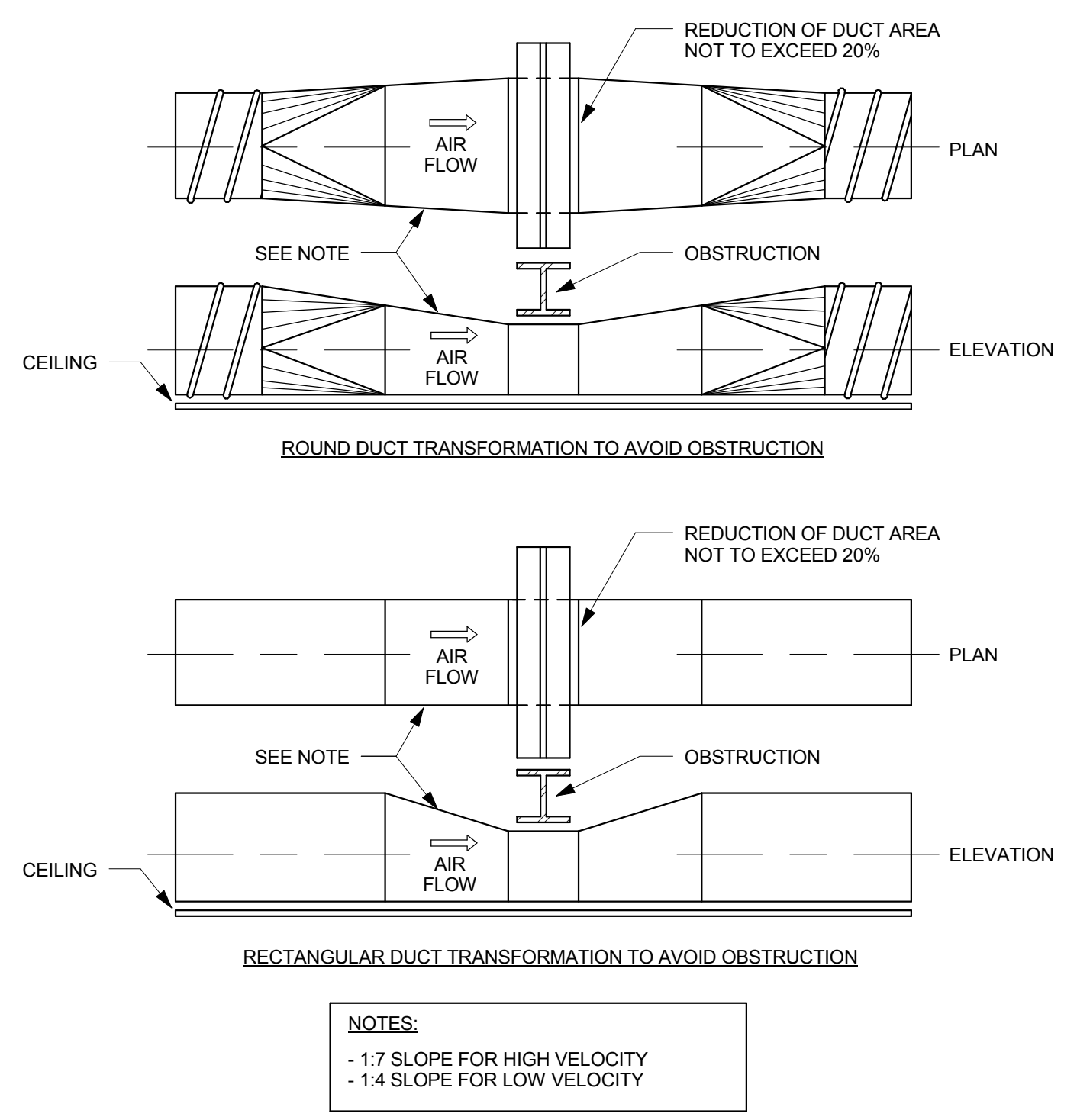
NOTES:
[1] PROVIDE EC MOTOR FOR UNIT FAN.

GRILLE AND DIFFUSER SCHEDULE									
CEILING SUPPLY DIFFUSER			DUCTED CEILING RETURN / EXHAUST GRILLE		NON-DUCTED CEILING RETURN / EXHAUST GRILLE		FLEXIBLE DUCT SIZES TO SUPPLY DIFFUSERS		
CFM	SQUARE NECK SIZE	ROUND NECK SIZE	CFM	NECK SIZE	CFM	NECK SIZE	CFM	SIZE	
0-100	6 x 6	6"Ø	0-350	12 x 12	0-350	12 x 12	0-100	6"Ø	
101-250	9 x 9	8"Ø	351-1200	22 x 22	351-1200	22 x 22	101-250	8"Ø	
251-400	12 x 12	10"Ø					251-400	10"Ø	
401-600	15 x 15	12"Ø					401-600	12"Ø	
601-800	18 x 18	14"Ø					601-800	14"Ø	

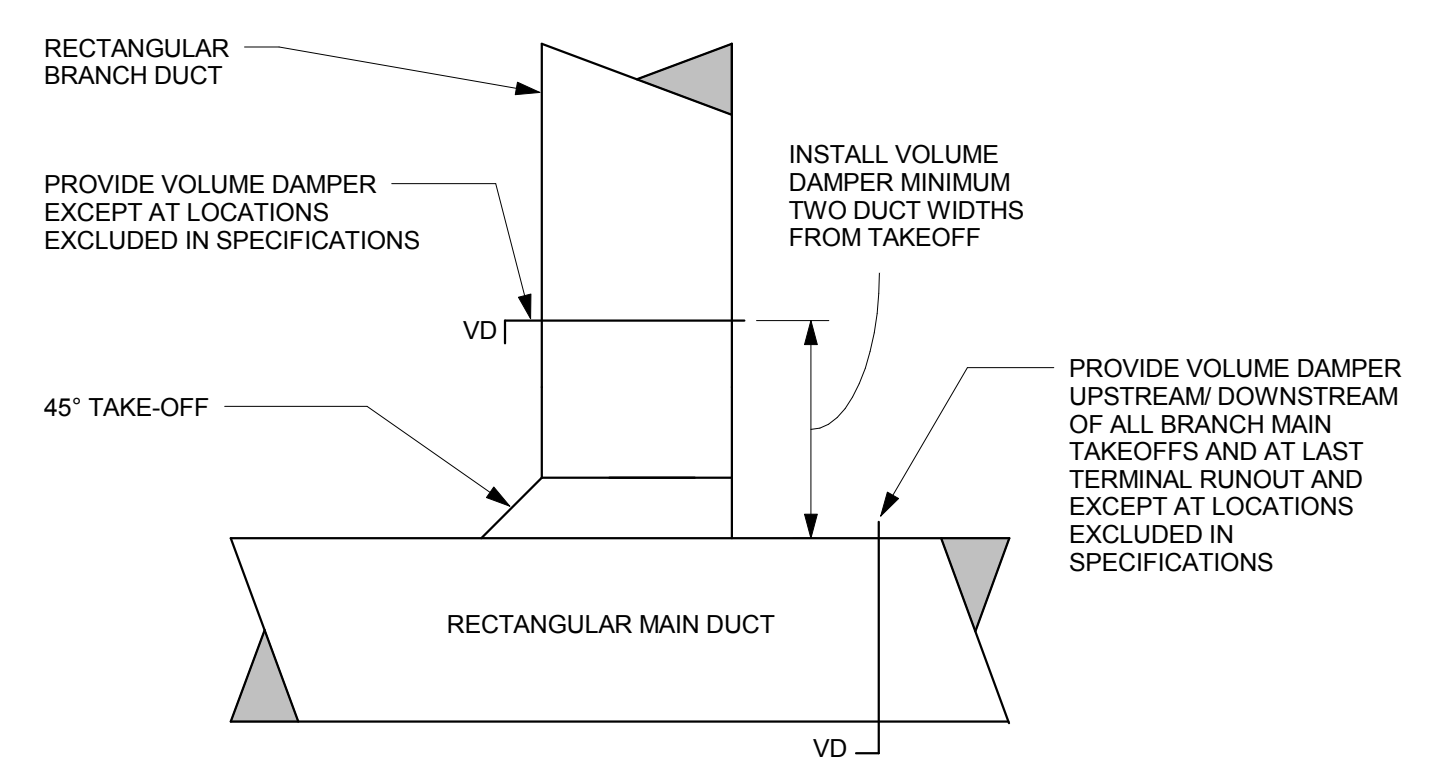
TYPE	MODEL	DESCRIPTION
B	355 RL	LOUVER TYPE CEILING/WALL RETURN OR EXHAUST GRILLE, 35° FIXED DEFLECTION, 1/2" SPACING WITH BLADES PARALLEL TO THE LONG DIMENSION.



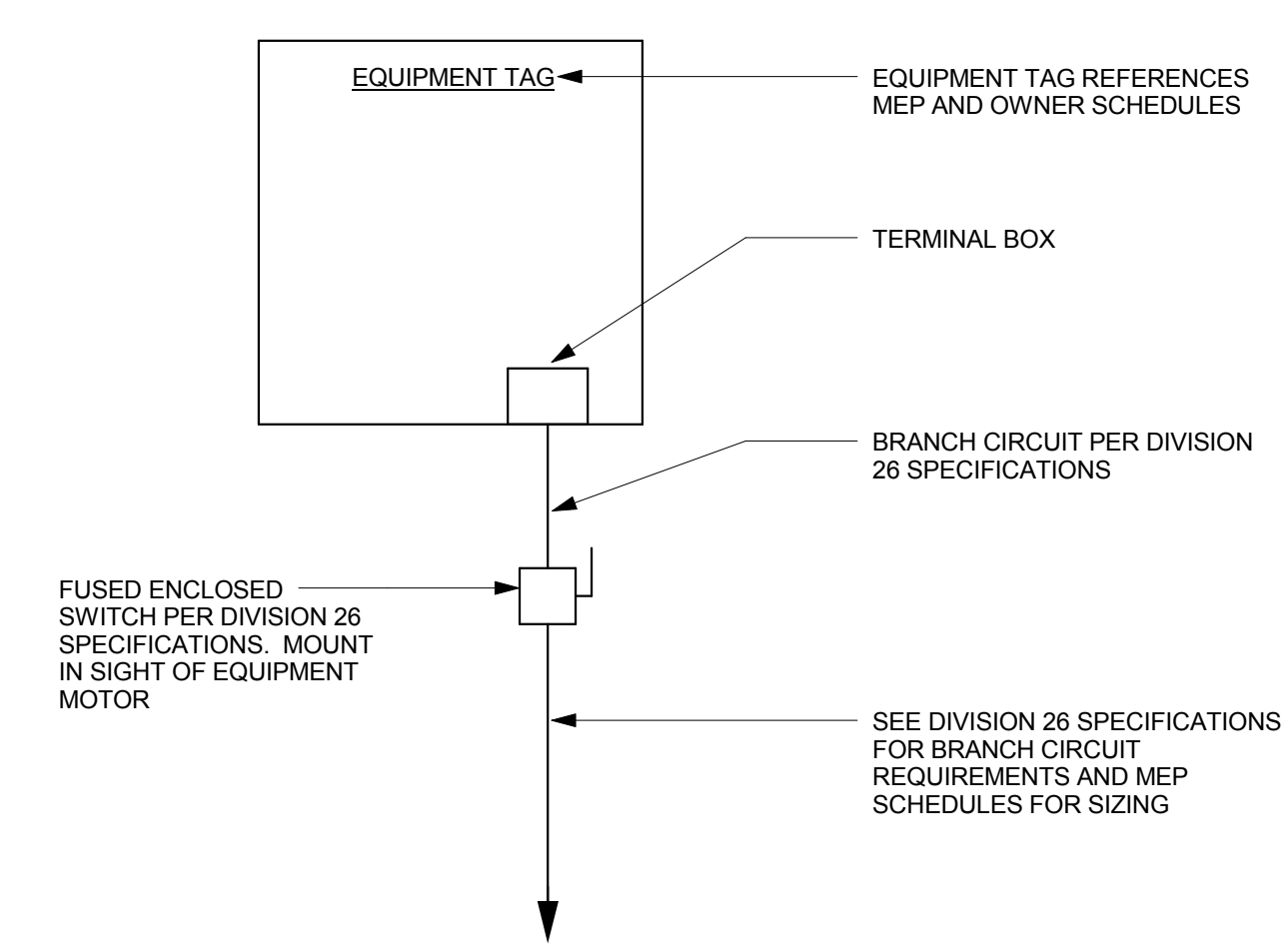
DUCT CONSTRUCTION
NOT TO SCALE



DUCT OBSTRUCTION TRANSFORMATION DETAILS
NOT TO SCALE



RECTANGULAR BRANCH DUCT TAKEOFF DETAIL
NOT TO SCALE



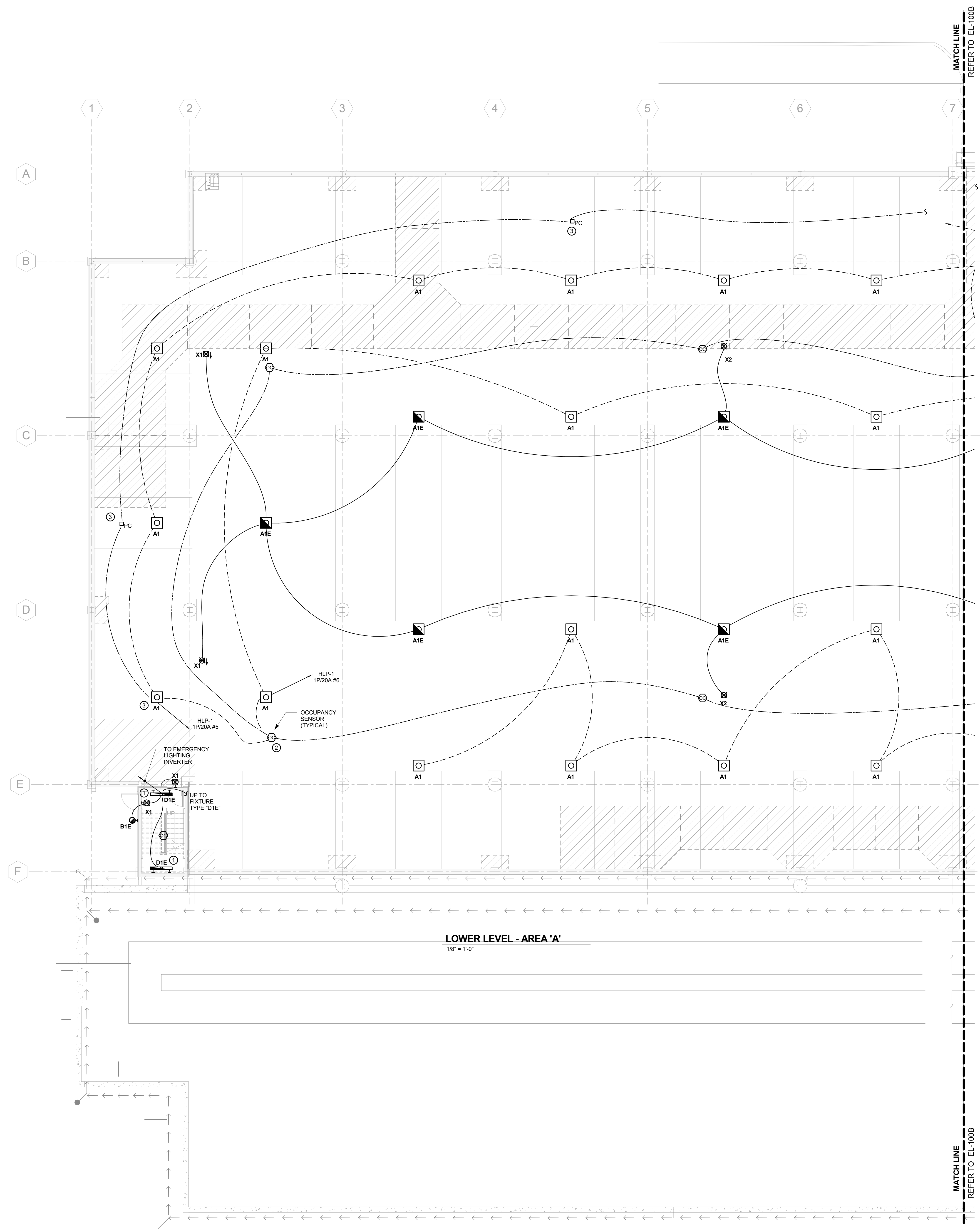
NOTE:
THIS DETAIL IS FOR ALL EQUIPMENT WHERE EQUIPMENT REQUIRES POWER, AND WHERE THERE ARE NO MOTORS INVOLVED OR WHERE SPECIFICATIONS OR SCHEDULES FOR MULTIPLE MOTOR EQUIPMENT SPECIFICALLY INDICATE ONE POINT POWER CONNECTION. CONTRACTOR TO PROVIDE WIRING BETWEEN REMOTE DISCONNECTS, STARTERS AND MOTORS. SEE EQUIPMENT SCHEDULES AND SPECIFICATIONS.

TYPICAL EQUIPMENT CONNECTION DETAIL
NOT TO SCALE



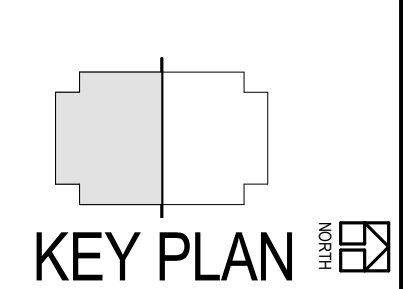
MECHANICAL DETAILS AND SCHEDULES			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by	
mark	date	description	date	
			12-01-2017	
			scale	
			As Indicated	
project			drawn by	
GBCMHC			ZKDMC	
GBCMHC PARKING GARAGE REPAIRS			approved by	
1635 CENTRAL AVE., BRIDGEPORT, CT			JLJ	
			drawing no.	
			M-102	

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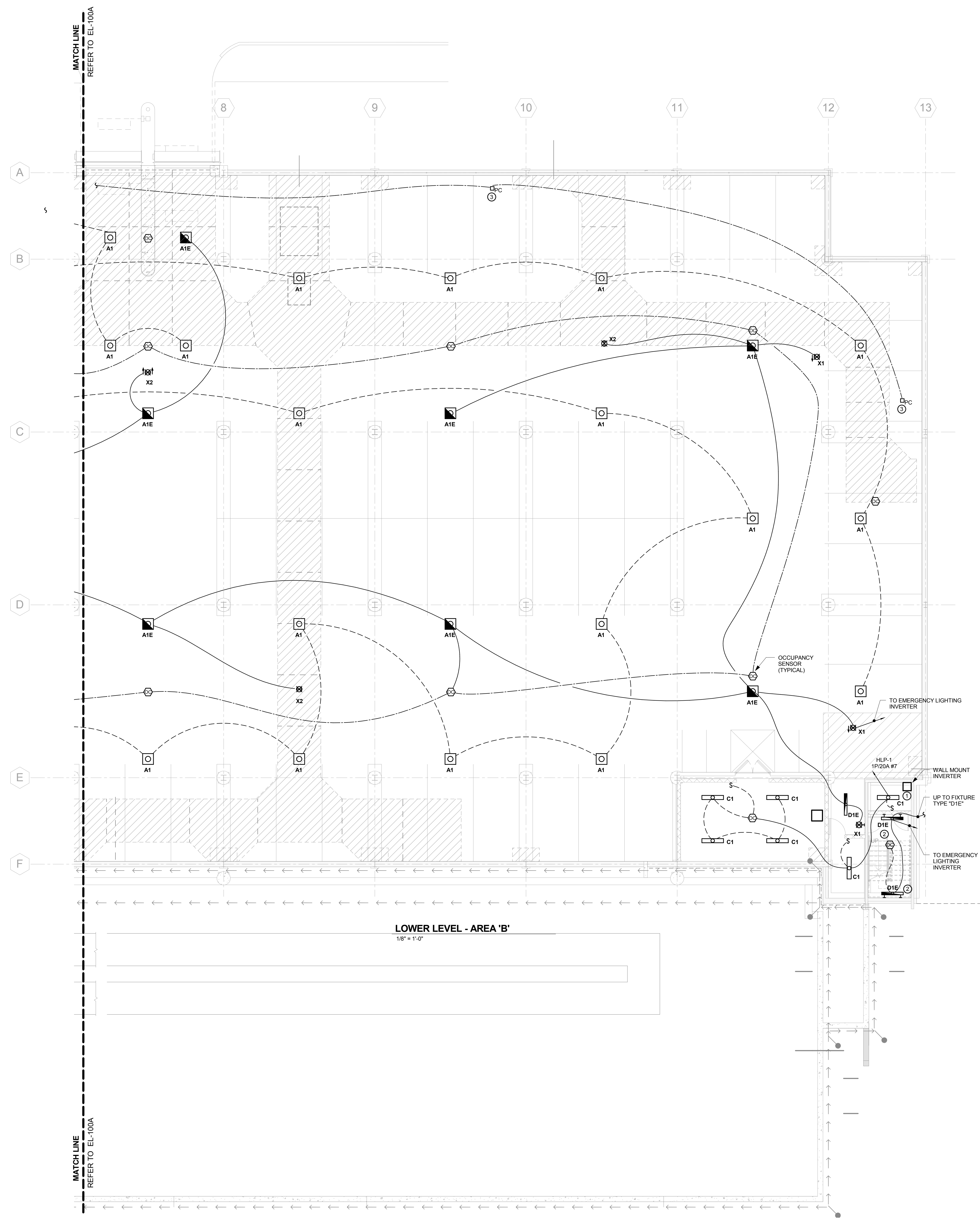


- DEMOLITION NOTES:**
1. ALL EXISTING LIGHTING FOR THE GARAGE SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING BACK TO PANEL. INCLUDES BOTH LEVELS OF GARAGE, STAIRWELLS AND EXTERIOR LIGHTING.
 2. ALL OF THE EXISTING RECEPTACLES SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING BACK TO PANEL. INCLUDES BOTH LEVELS OF GARAGE, STAIRWELL AND EXTERIOR.
 3. ALL OF THE EXISTING SECURITY CAMERAS SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING BACK TO MAIN BUILDING SECURITY CONSOLE.
 4. ALL OF THE EXISTING SECURITY INTERCOMS SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING BACK TO THE MAIN BUILDING SECURITY CONSOLE.
 5. ALL OF THE EXISTING PARKING CONTROL GATES AND OVERHEAD DOORS SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING.

- DRAWING NOTES**
- 1 WALL MOUNT LIGHT @ 7'-6" TO BOTTOM OF FIXTURE. TYPICAL.
 - 2 OCC SENSOR FEEDS BOTH PERIMETER & INTERIOR LIGHT CIRCUITS. TYPICAL.
 - 3 PHOTOCELLS TO CONTROL PERIMETER CIRCUIT OF LIGHTS. THIS CIRCUIT REQUIRES BOTH PHOTOCELL & OCCUPANCY SENSOR TO TURN ON.



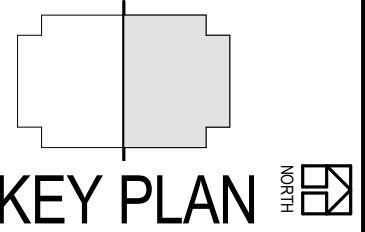
drawing title LOWER LEVEL ELECTRICAL LIGHTING PLAN AREA 'A'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK approved by JLJ		
CAD no. MEP R16.rvt			project no. BLMH-121		
					EL-100A



LOWER LEVEL - AREA 'B'
1/8" = 1'-0"

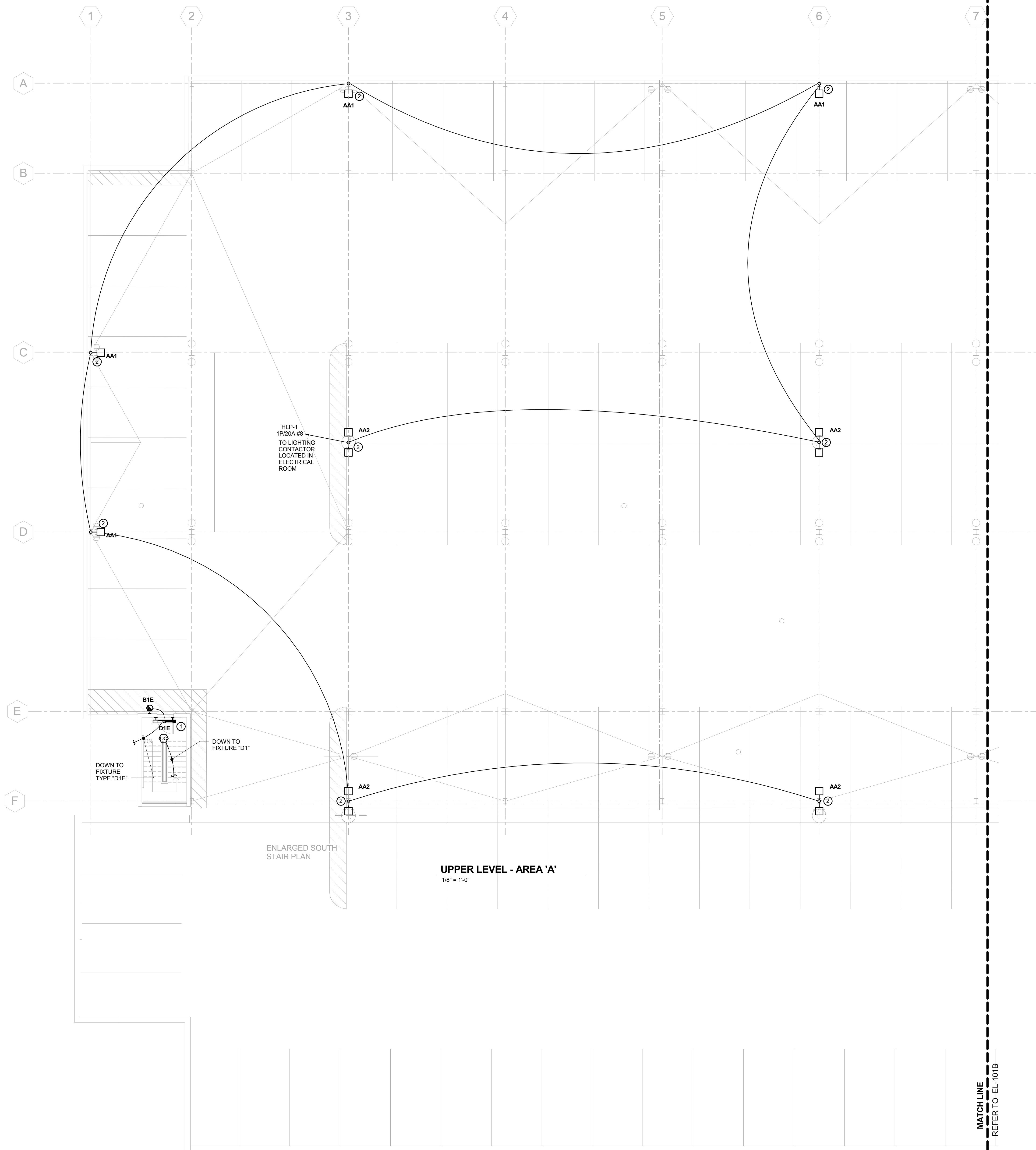
- DEMOLITION NOTES:**
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 5. ALL OF THE EXISTING PARKING CONTROL GATES AND OVERHEAD DOORS SHALL BE REMOVED INCLUDING ALL CONDUITS AND WIRING.

- DRAWING NOTES**
- ① 2100 WATT, 277V, UL 924 LISTED EMERGENCY LIGHTING INVERTER WITH FOUR (4) 15A-1P OUTPUT CIRCUIT BREAKERS. UNIT SHALL BE AS MANUFACTURED BY DUAL-LITE #DLS-2100-277A-15-S SERIES OR ACCEPTABLE EQUIVALENT. WALL MOUNT WITH BRACKETS.
 - ② WALL MOUNT LIGHT @ 7'-6" TO BOTTOM OF FIXTURE.
 - ③ PHOTOCELLS TO CONTROL PERIMETER CIRCUIT OF LIGHTS. THIS CIRCUIT REQUIRES BOTH PHOTOCELL & OCCUPANCY SENSOR TO TURN ON.



drawing title LOWER LEVEL ELECTRICAL LIGHTING PLAN AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK approved by JLJ		
CAD no. MEP R16.rvt			project no. BLMH-121		
					EL-100B

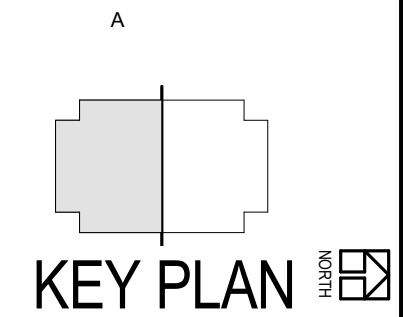
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MATCHLINE REFER TO EL-101B

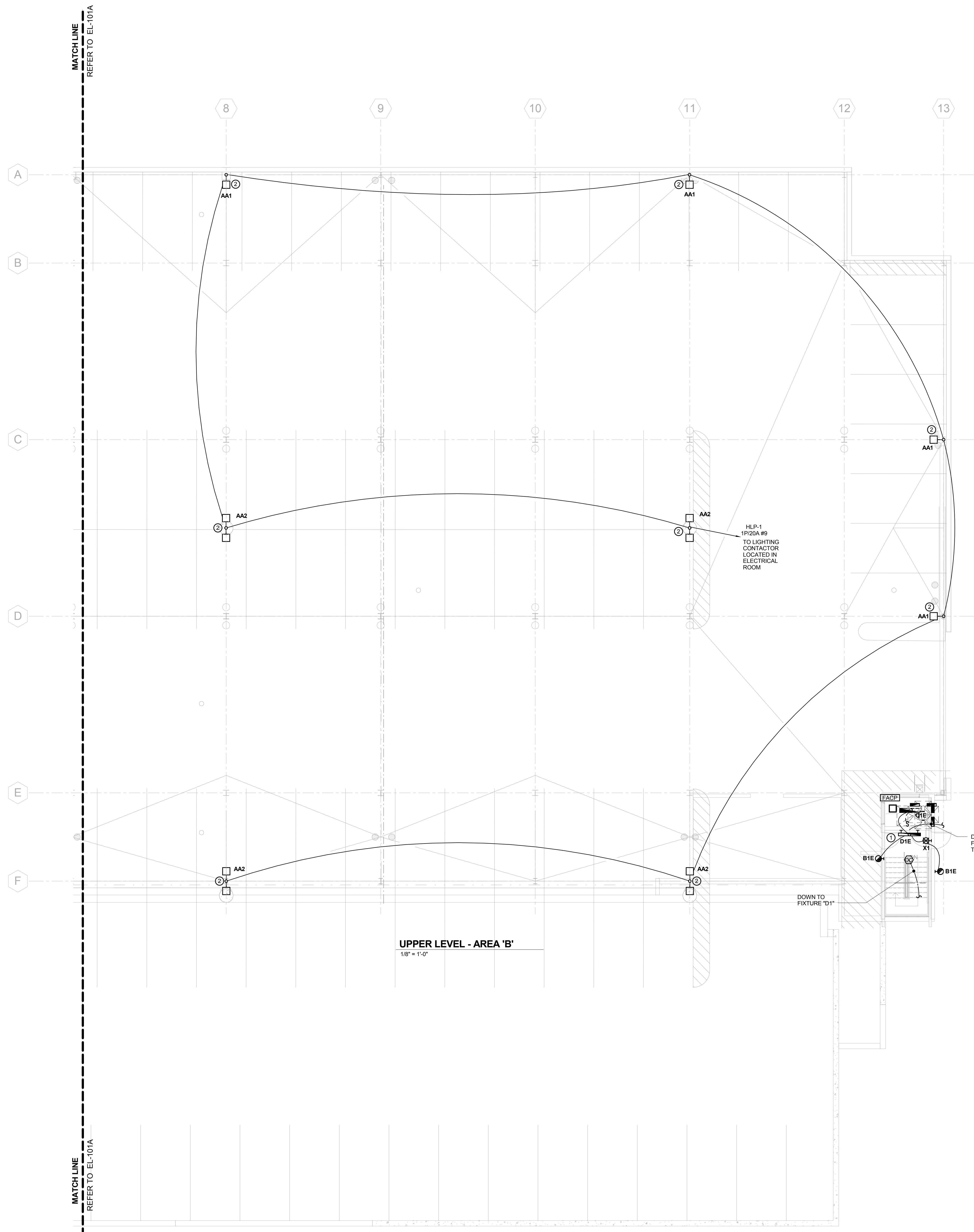
- DEMOLITION NOTES:**
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- DRAWING NOTES**
- ① WALL MOUNT LIGHT @ 7'-6" TO BOTTOM OF FIXTURE.
 - ② COORDINATE CONDUITS FOR POLE LIGHTS WITH STRUCTURAL BASES TO AVOID REBAR AND STRUCTURAL STEEL.



drawing title UPPER LEVEL ELECTRICAL LIGHTING PLAN AREA 'A'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	12-01-2017
				1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK	approved by JLJ	drawing no. EL-101A
CAD no. MEP R16.rvt			project no. BLMH-121		

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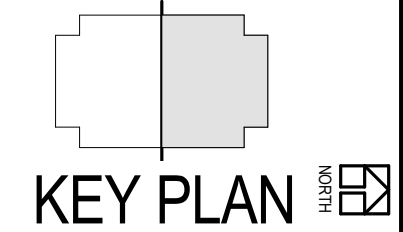
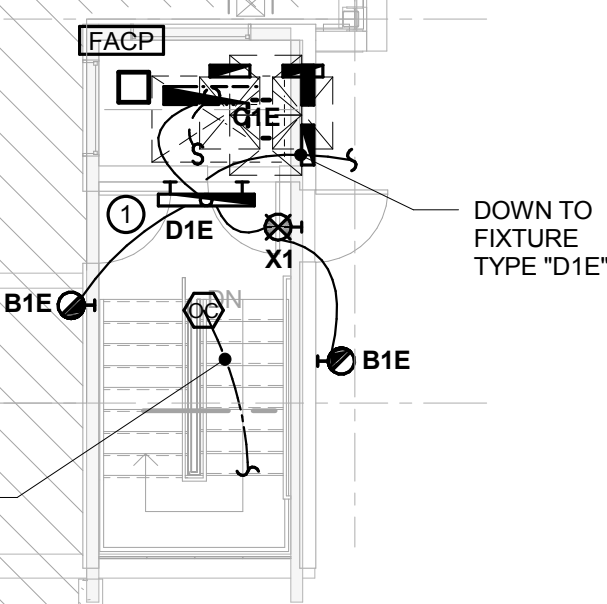
UPPER LEVEL - AREA 'B'
1/8" = 1'-0"

DEMOLITION NOTES:

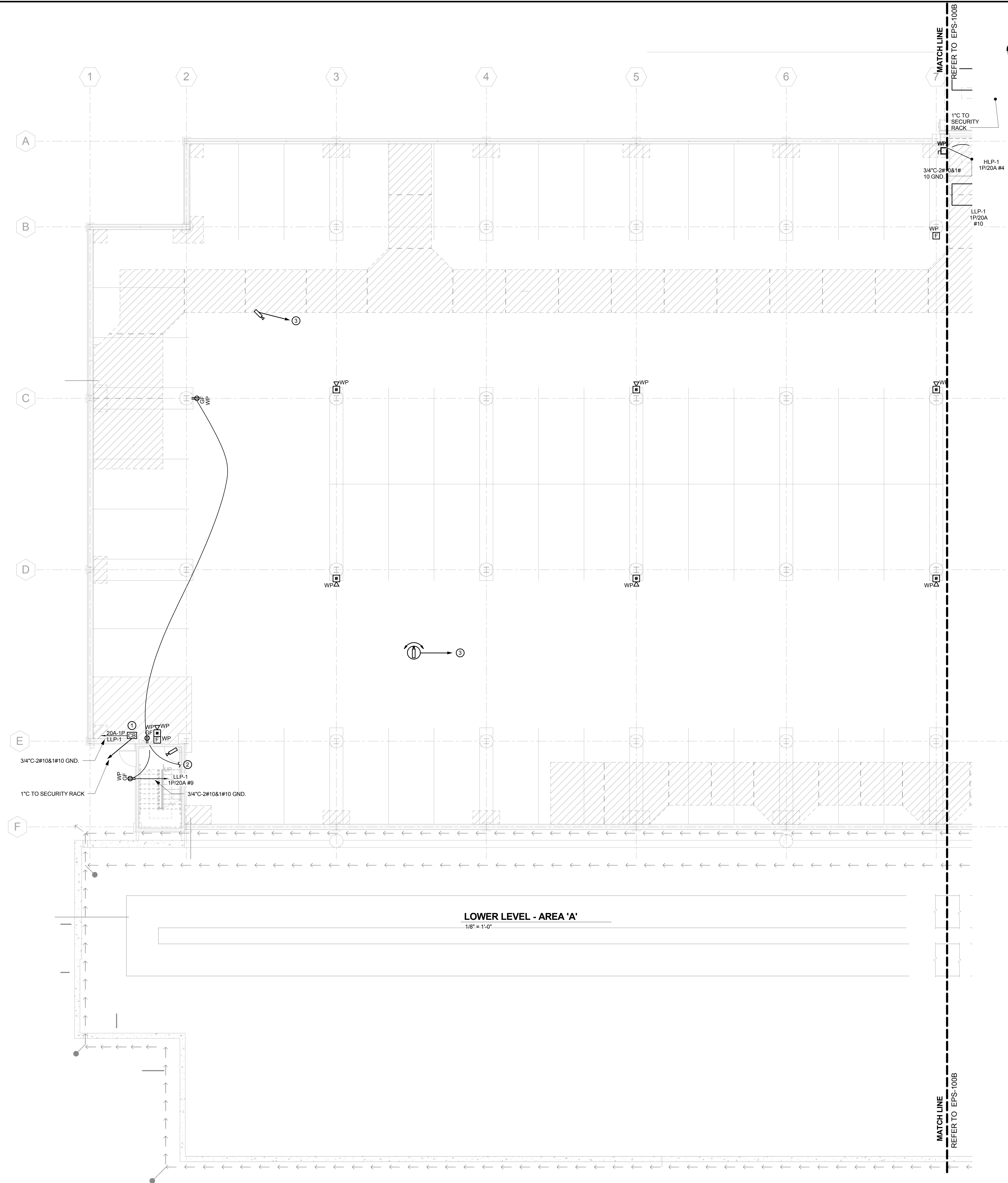
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DRAWING NOTES

- ① WALL MOUNT LIGHT @ 7'-6" TO BOTTOM OF FIXTURE.
- ② COORDINATE CONDUITS FOR POLE LIGHTS WITH STRUCTURAL BASES TO AVOID REBAR AND STRUCTURAL STEEL.



drawing title UPPER LEVEL ELECTRICAL LIGHTING PLAN AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK approved by JLJ		
CAD no. MEP R16.rvt			drawing no. BLMH-121		
			EL-101B		

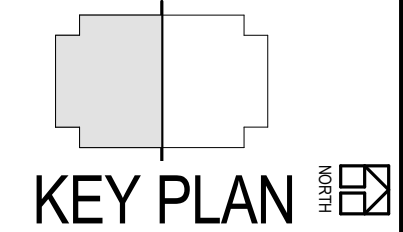


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- DRAWING NOTES**
- ① CODE BLUE STATION. REFER TO DETAIL ON DWG. #E-401 FOR ADDITIONAL INFORMATION.
 - ② UP TO RECEPTACLE ON LEVEL ABOVE.
 - ③ 1" C TO SECURITY RACK FOR CAMERAS.

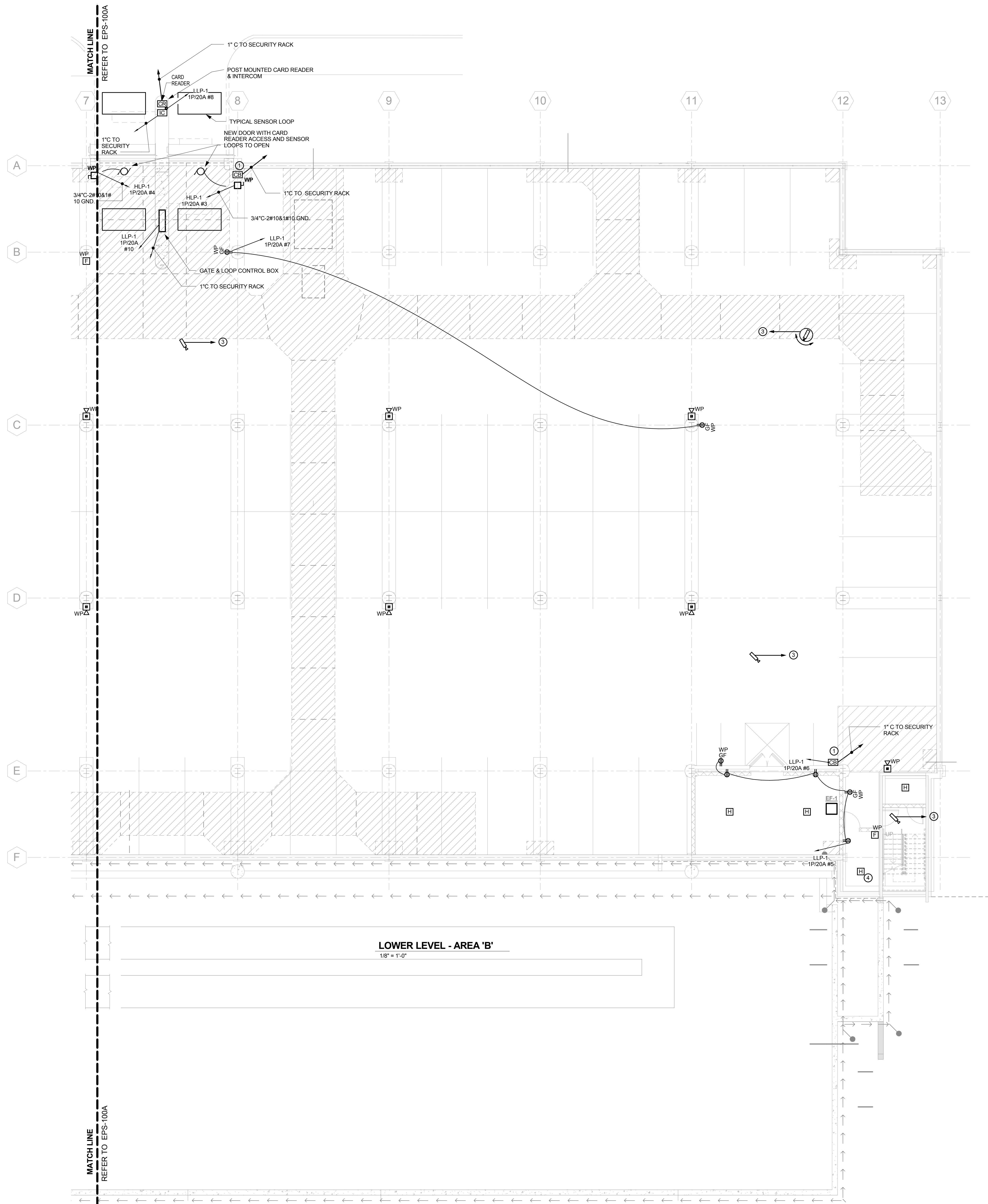
NOTE:
CAMERAS AND CARD ACCESS ARE BEING FURNISHED AND INSTALLED BY OWNER. CONDUITS AND BACKBOXES BY E.C.

LOWER LEVEL - AREA 'A'
1/8" = 1'-0"



drawing title LOWER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'A'		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by BVH integrated services	date 12-01-2017
mark	date	description	scale 1/8" = 1'-0"
			drawn by JCK
			approved by JLJ
			drawing no. EPS-100A
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		project no. BLMH-121	
CAD no. MEP R16.rvt			

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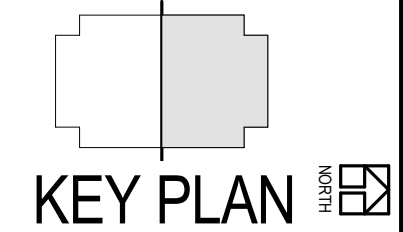


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- DRAWING NOTES**
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 - ② UP TO RECEPTACLE ABOVE.
 - ③ 1" C TO RECEPTACLE RACK FOR CAMERAS.
 - ④ SEE POWER RISER FOR PANELS & CONDUIT TO BE REMOVED.

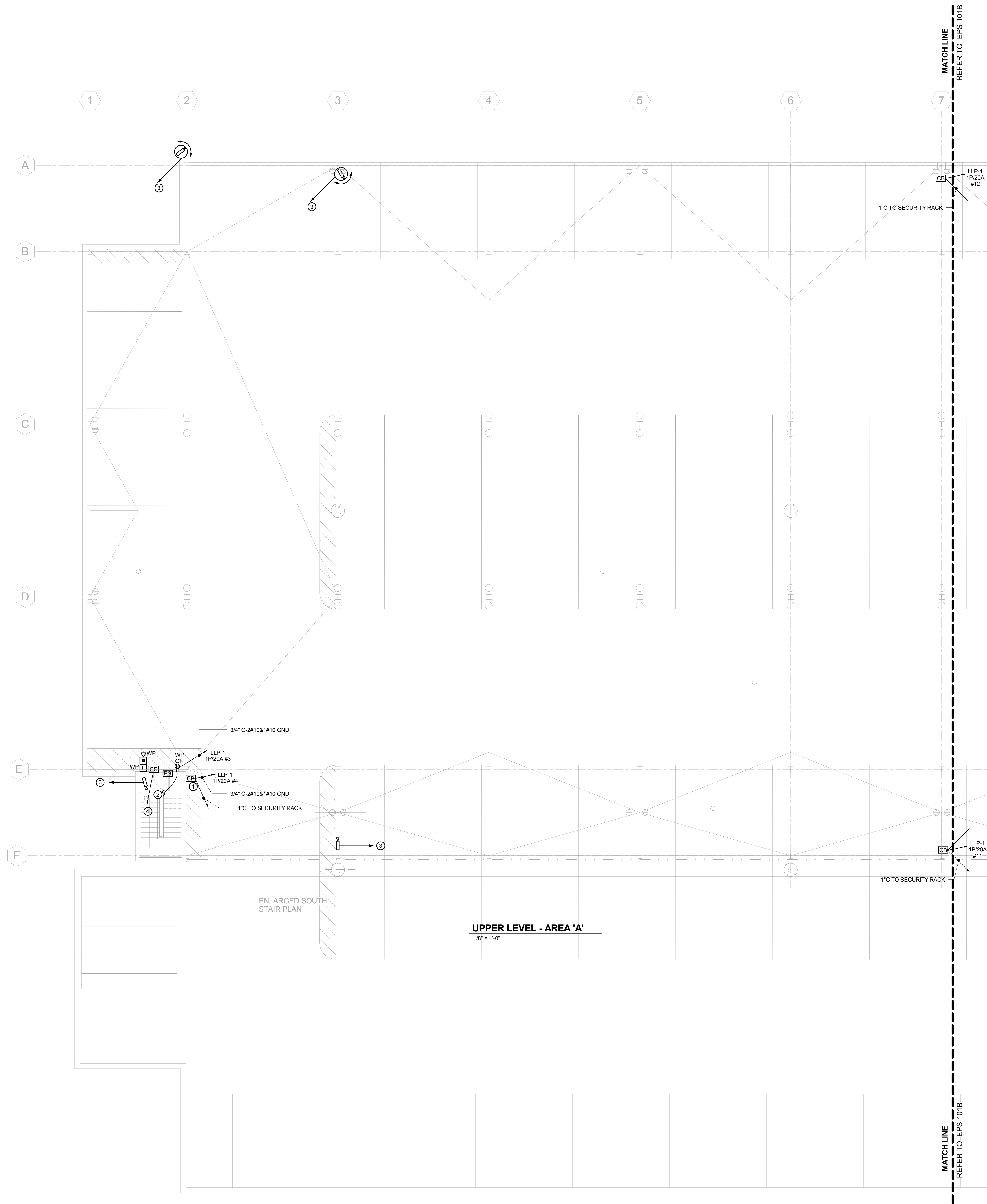
NOTE:
CAMERAS AND CARD ACCESS ARE BEING FURNISHED AND INSTALLED BY OWNER. CONDUITS AND BACKBOXES BY E.C.

LOWER LEVEL - AREA 'B'
1/8" = 1'-0"



drawing title LOWER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK	approved by JLJ	drawing no. EPS-100B
CAD no. MEP R16.rvt			project no. BLMH-121		

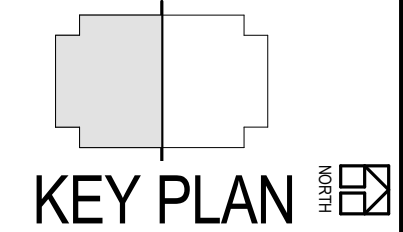
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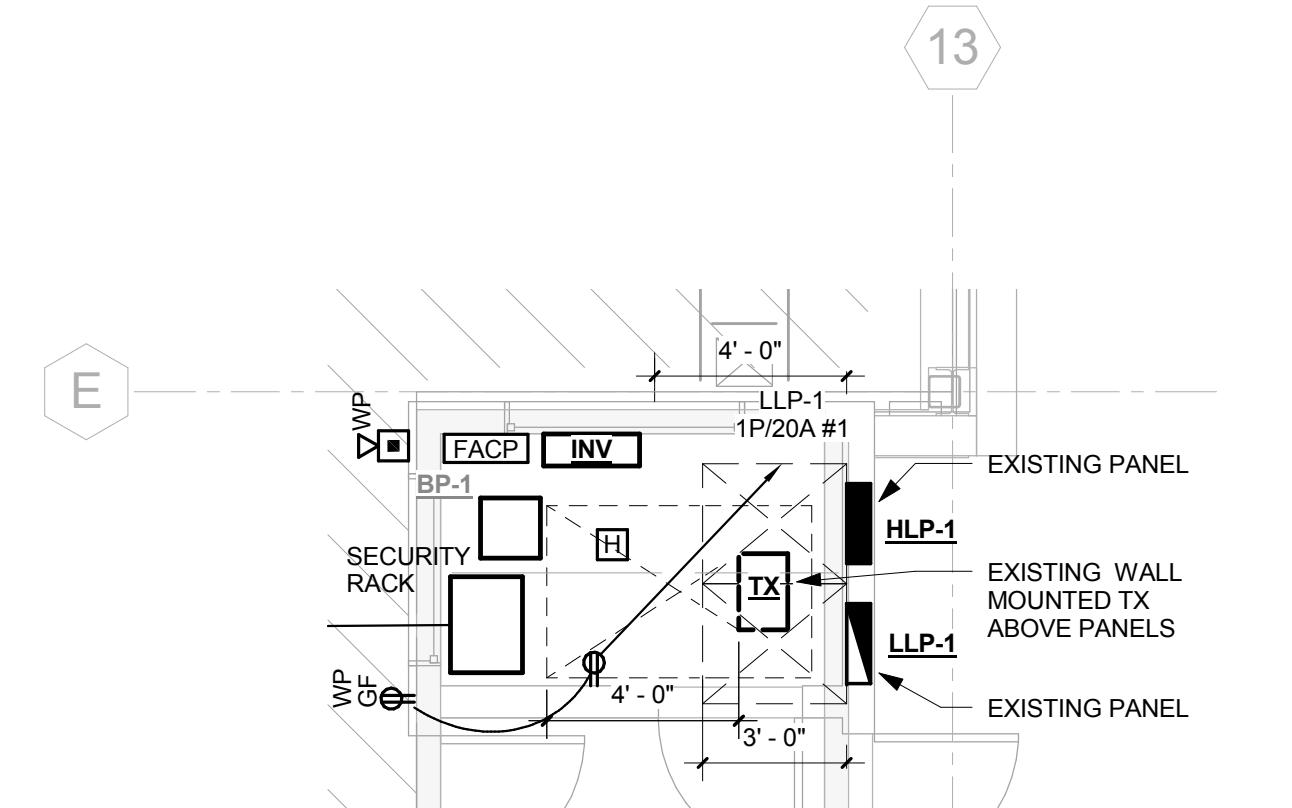
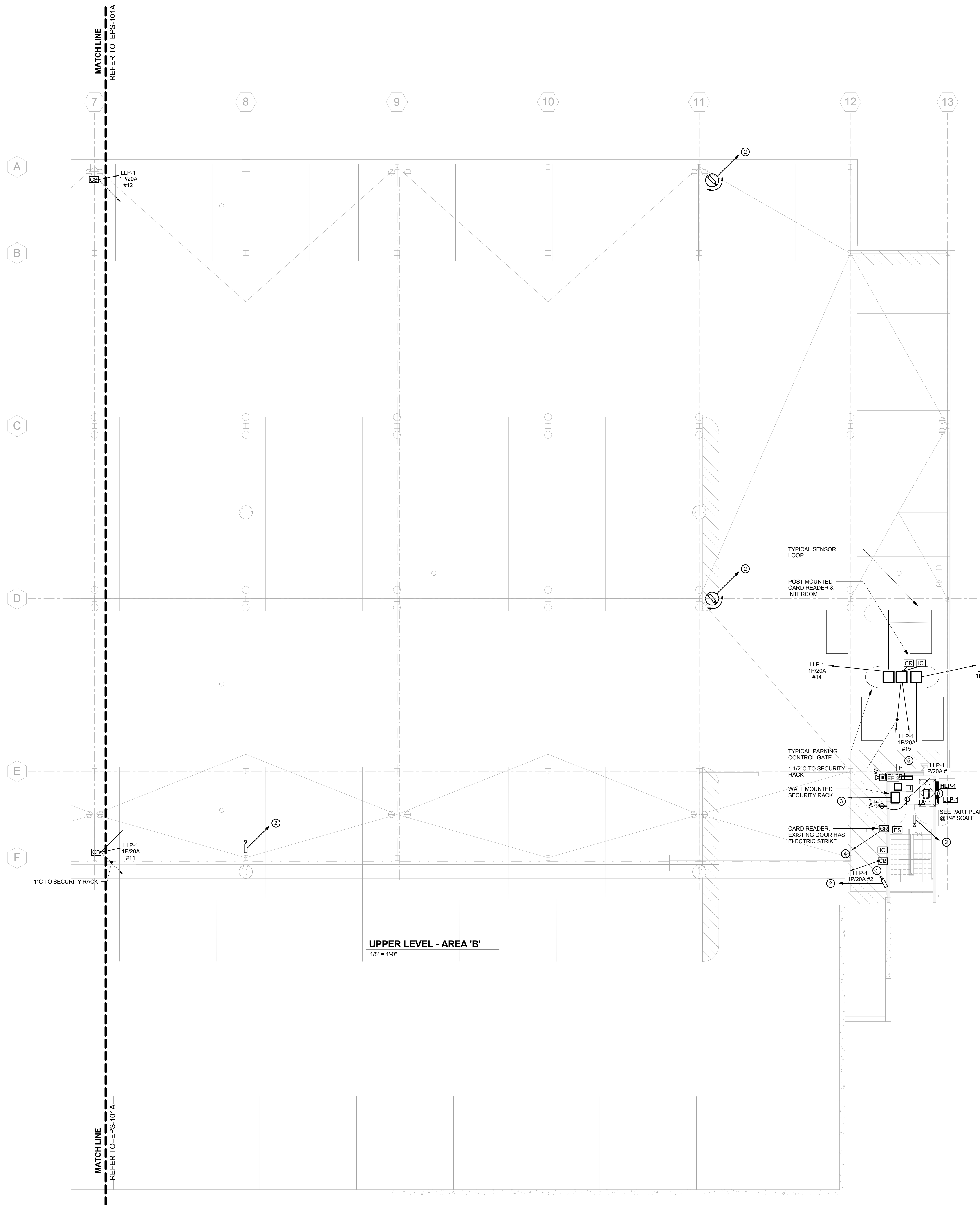
- DEMOLITION NOTES:**
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- DRAWING NOTES**
- ① CODE BLUE STATION. REFER TO DETAIL ON DWG. #E-401 FOR ADDITIONAL INFORMATION.
 - ② DOWN TO RECEPTACLE ON LEVEL BELOW.
 - ③ 1\"/>
 - ④ 1\"/>

NOTE:
CAMERAS AND CARD ACCESS ARE BEING FURNISHED AND INSTALLED BY OWNER. CONDUITS AND BACKBOXES BY E.C.



drawing title UPPER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'A'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	1/8" = 1'-0"	
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK		
CAD no. MEP R16.v4			approved by JLJ		
project no. BLMH-121			drawing no. EPS-101A		



ELECTRICAL ROOM PART PLAN
1/4" = 1'-0"

DEMOLITION NOTES:

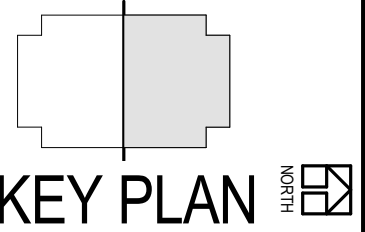
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DRAWING NOTES

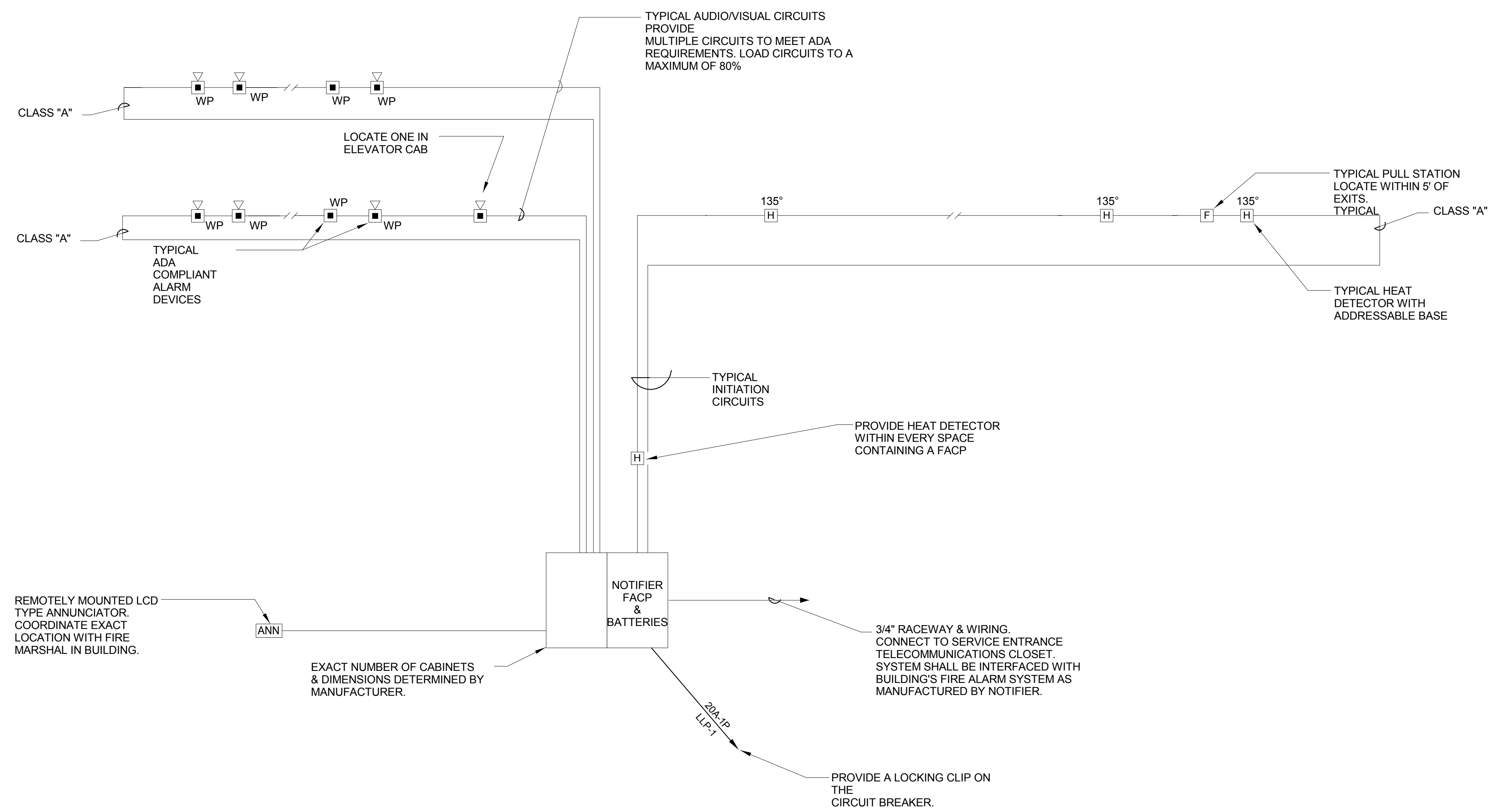
- ① CODE BLUE STATION. REFER TO DETAIL ON DWG. #E-401 FOR ADDITIONAL INFORMATION.
- ② 1"C. TO SECURITY RACK FOR CAMERAS.
- ③ 3"C. TO BUILDING SECURITY FOR CAMERAS, INTERCOM, CARD READERS, & GATE CONTROLS.
- ④ 1"C. TO SECURITY RACK FOR CARD READERS.
- ⑤ PHOTOCCELL @ ROOF.
- ⑥ EXISTING PANELBOARDS AND TRANSFORMER TO REMAIN.

NOTE:

CAMERAS AND CARD ACCESS ARE BEING FURNISHED AND INSTALLED BY OWNER. CONDUITS AND BACKBOXES BY E.C.



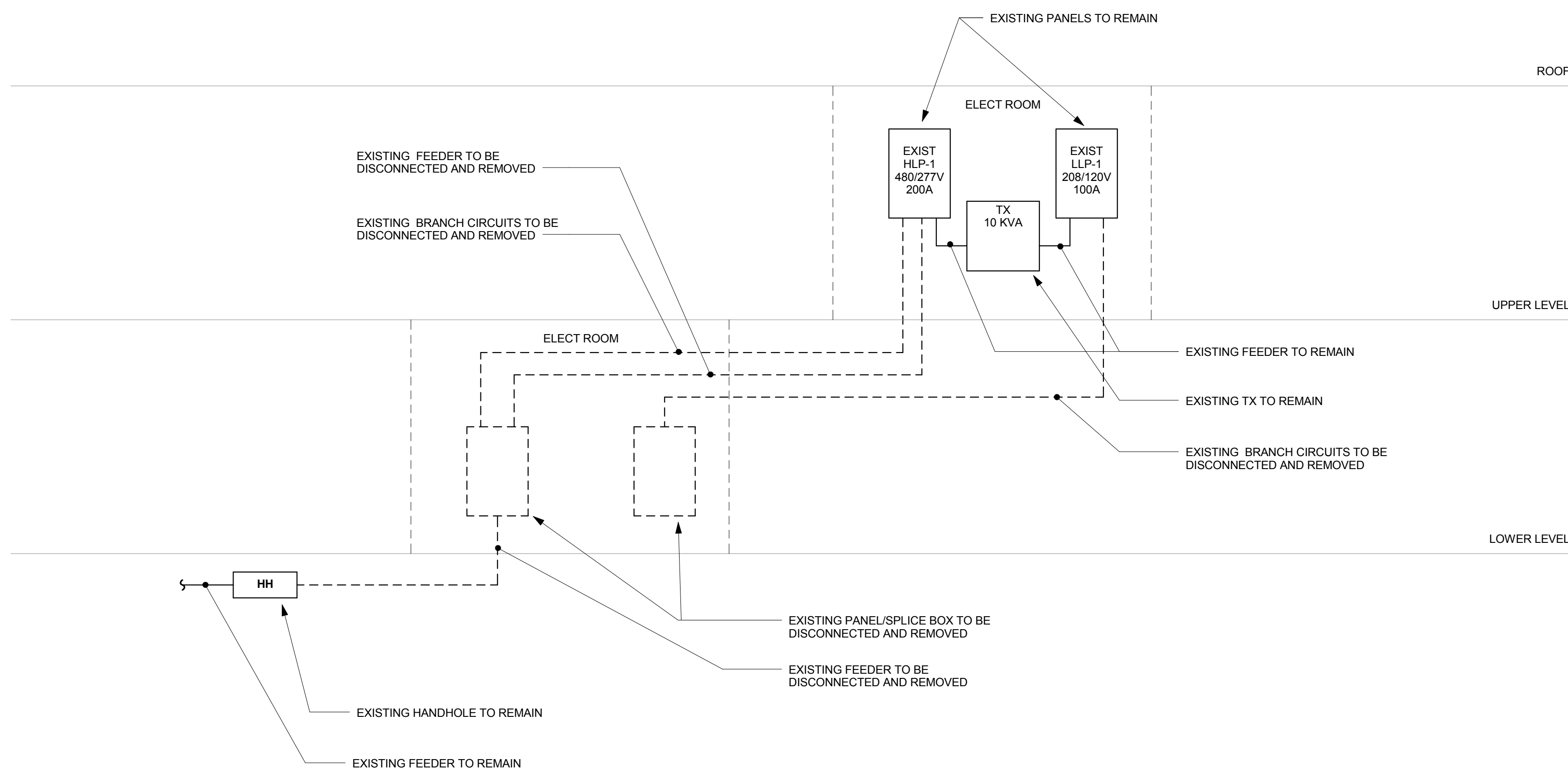
drawing title UPPER LEVEL ELECTRICAL POWER & SPECIAL SYSTEMS PLAN AREA 'B'			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS			drawing prepared by BVH integrated services		
mark	date	description	date	scale	date
			12-01-2017	As Indicated	12-01-2017
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1635 CENTRAL AVE., BRIDGEPORT, CT			drawn by JCK		
CAD no. MEP R16.rvt			approved by JLJ		
project no. BLMH-121			drawing no. EPS-101B		



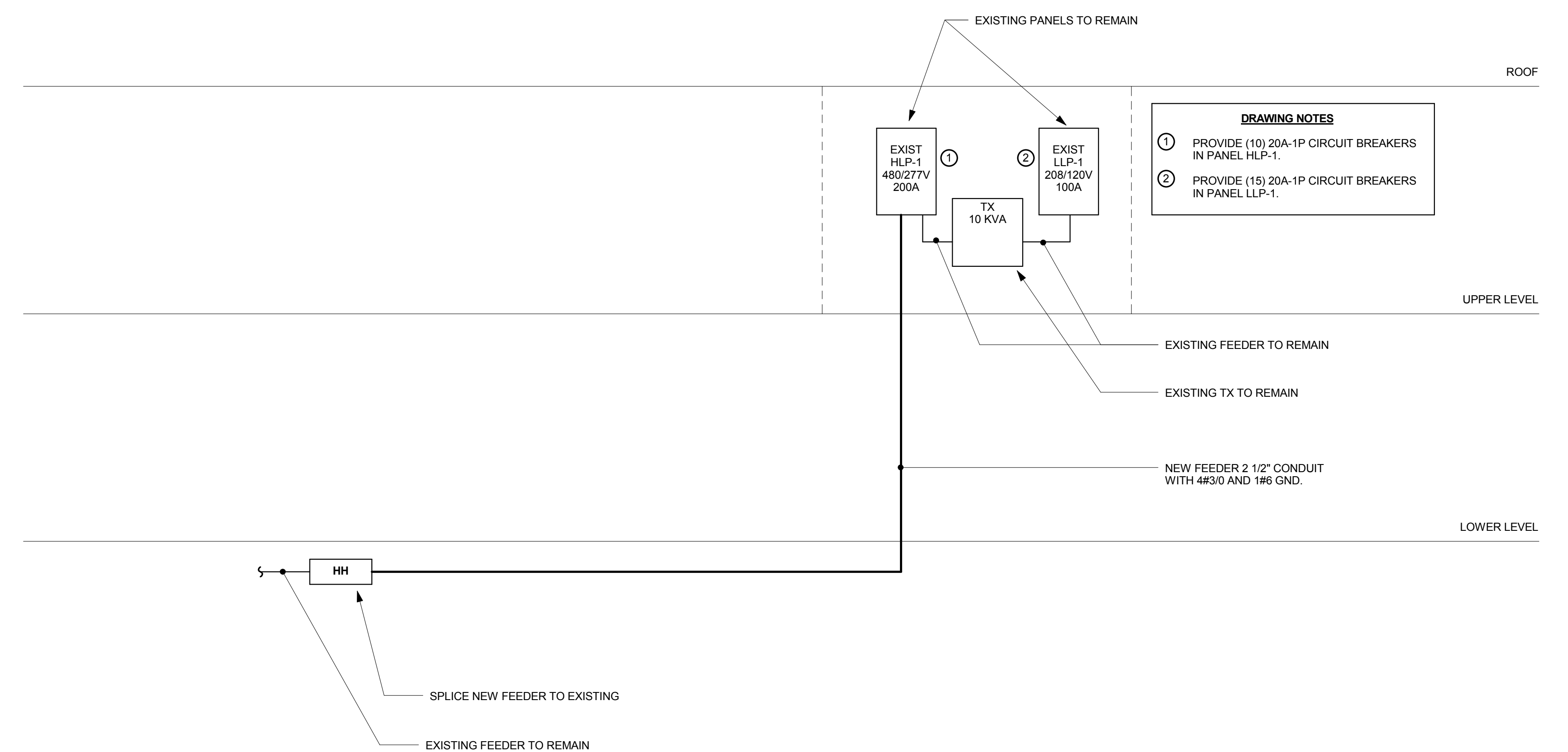
FIRE ALARM RISER
NOT TO SCALE

GENERAL NOTES

1. SEE SPECIFICATION SECTION "FIRE ALARM" FOR ADDITIONAL INFORMATION.
2. DEVICES AND CIRCUITS ARE ILLUSTRATED FOR TYPICAL ARRANGEMENT ONLY. REFER TO PLANS AND DETAILS FOR QUANTITIES AND TYPE OF DEVICES.
3. PROVIDE ADDRESSABLE INTERFACE DEVICES TO PERFORM SEQUENCE OF OPERATION PER DIVISION 13 SPECIFICATIONS. DEVICES ARE NOT SPECIFICALLY INDICATED ON PLANS OR RISER.
4. PROVIDE WIRING PER APPROVED MANUFACTURER'S DIRECTION.
5. ALL WIRING IS IN RACEWAY.



DEMOLITION POWER RISER DIAGRAM
NONE



NEW POWER RISER DIAGRAM
NONE

- DRAWING NOTES**
1. PROVIDE (10) 20A-1P CIRCUIT BREAKERS IN PANEL HLP-1.
 2. PROVIDE (15) 20A-1P CIRCUIT BREAKERS IN PANEL LLP-1.



drawing title ELECTRICAL POWER RISER DIAGRAM			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS					
mark	date	description	drawing prepared by	date	scale
			BVH integrated services	12-01-2017	NONE
project			drawing by		
GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT			JCK		
CAD no. MEP R16.rvt			approved by		
project no. BLMH-121			JLJ		
			drawing no.		
			E-300		

LUMINAIRE SCHEDULE					
NOTES:					
1. BIDS SHALL BE BASED ON THE LUMINAIRE SCHEDULE BELOW AND THE SPECIFICATIONS. REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.					
TYPE	MANUFACTURER	MODEL	FIXTURE DESCRIPTION	VOLTS	LAMPS
A1	CREE LIGHTING, HUBBELL OUTDOOR LIGHTING GARDCO MCGRAW-EDISON LITHONIA LIGHTING	PKG-EDG-DM-06-E-L-WH-350-40K SERIES GSL-21-SCP G3516L1000NW-G2277WH VPL-E02-LED-E1-GL3-BZ DSXP LED 30C 350 40K TSM 277	PENDANT MOUNTED LED LUMINAIRE WITH 350 mA DRIVER, EXTRUDED AND DIE CAST ALUMINUM HOUSING, 80 LEDS, WET LOCATION AND DLC LISTED, WHITE FINISH. PROVIDE WITH BALL SWIVEL CONNECTOR. FIXTURE SHALL BE MOUNTED WITH BOTTOM OF FIXTURE NO HIGHER THAN 3" ABOVE BOTTOM OF STEEL BEAM AND NO LOWER THAN BOTTOM OF STEEL BEAM.	277V	66 WATTS 6670 LM 4000K LED
A1E	CREE LIGHTING, HUBBELL OUTDOOR LIGHTING GARDCO MCGRAW-EDISON LITHONIA LIGHTING	PKG-EDG-DM-06-E-L-WH-350-40K SERIES GSL-21-SCP G3516L1000NW-G2277WH VPL-E02-LED-E1-GL3-BZ DSXP LED 30C 350 40K TSM 277	SAME AS TYPE A1 LUMINAIRE EXCEPT WIRED THROUGH EMERGENCY LIGHTING INVERTER	277V	66 WATTS 6670 LM 4000K LED
B1E	CREE LIGHTING HUBBELL OUTDOOR LIGHTING GARDCO MCGRAW-EDISON LITHONIA LIGHTING	XSPW-A-0-3-F-C-12-P SERIES LNC2-18L4-4K-1-PC 101L-16L-700-NW-G1 GPC-AF-01-LED-E1-T3-BZ DSXW1 LED 20C 330 40K T3M MVOLT SPA DDBXD	SURFACE, WALL MOUNTED LED LUMINAIRE WITH ALUMINUM HOUSING, BUTTON TYPE INTEGRAL PHOTOCELL, WET LOCATION AND DLC LISTED, BRONZE FINISH.	277V	42 WATTS 3820 LM 4000K LED
C1	ORACLE LIGHTING COLUMBIA LIGHTING DAY-BRITE METALUX LITHONIA LIGHTING	4-OEW-LED-400L-DIM10-MVOLT-40K SERIES LAW4-40ML-EDU OWL440L840 UNVDIM 4WSNLED-LD4-40SL-F-L840-CD1-U SB4L 4000LM 80CRI 40K MINI ZT MVOLT CL80	SURFACE AND/OR CHAIN HUNG ENCLOSED 4' LED LUMINAIRE WITH WRAPAROUND ACRYLIC LENS, HEAVY-DUTY GAUGE STEEL HOUSING, BAKED WHITE ENAMEL FINISH, 0-10V DIMMABLE AND END CAPS.	277V	46 WATTS 4000 LM 4000K LED
D1	ORACLE LIGHTING CERTOLUX KENALL NEWSTAR LUMINAIRE LED	4-OV2R-LED-400L-DIM10-MVOLT-40K SERIES VRSE-355648-LED840K-048LUNV MLH848FPMW CP45L40KDCC 1277 VIC4N-L2401-RC-UN VPF 84 46"-50W 4000K 120-277CPX DIM	SURFACE, WALL MOUNTED, ENCLOSED, VANDAL RESISTANT 4' LED LUMINAIRE WITH POLYCARBONATE DIFFUSER, HEAVY-GAUGE STEEL HOUSING, 0-10V DIMMABLE AND END CAPS.	277V	50 WATTS 4000 LM 4000K LED
D1E	ORACLE LIGHTING CERTOLUX KENALL NEWSTAR LUMINAIRE LED	4-OV2R-LED-400L-DIM10-MVOLT-40K SERIES VRSE-355648-LED840K-048LUNV MLH848FPMW CP45L40KDCC 1277 VIC4N-L2401-RC-UN VPF 84 46"-50W 4000K 120-277CPX DIM	SURFACE, WALL MOUNTED, ENCLOSED, VANDAL RESISTANT 4' LED LUMINAIRE WITH POLYCARBONATE DIFFUSER, HEAVY-GAUGE STEEL HOUSING, 0-10V DIMMABLE AND END CAPS.	277V	50 WATTS 4000 LM 4000K LED
X1	THOMAS&BETTS DUAL LITE EVENLITE BEGHELLI ISOLITE	TX-B-R-A SERIES SESRW CCDSACR1AA 1B FMEHLR1W LPDCACRSAB UN1	SURFACE MOUNTED LED EXIT SIGN WITH SINGLE FACE, RED LETTERS, BRUSHED ALUMINUM FINISH AND BLACK BACK PLATE, AC ONLY OPERATION, DIRECTION ARROWS AS INDICATED ON PLANS	277V	LED
X2	THOMAS&BETTS DUAL LITE EVENLITE BEGHELLI ISOLITE	2-TX-B-R-A SERIES SEDRW CCDSACR2AA 1B FMEHLR2M LPDCACRD ABUN1	SAME AS TYPE X1 LUMINAIRE EXCEPT WITH DOUBLE FACE	277V	LED

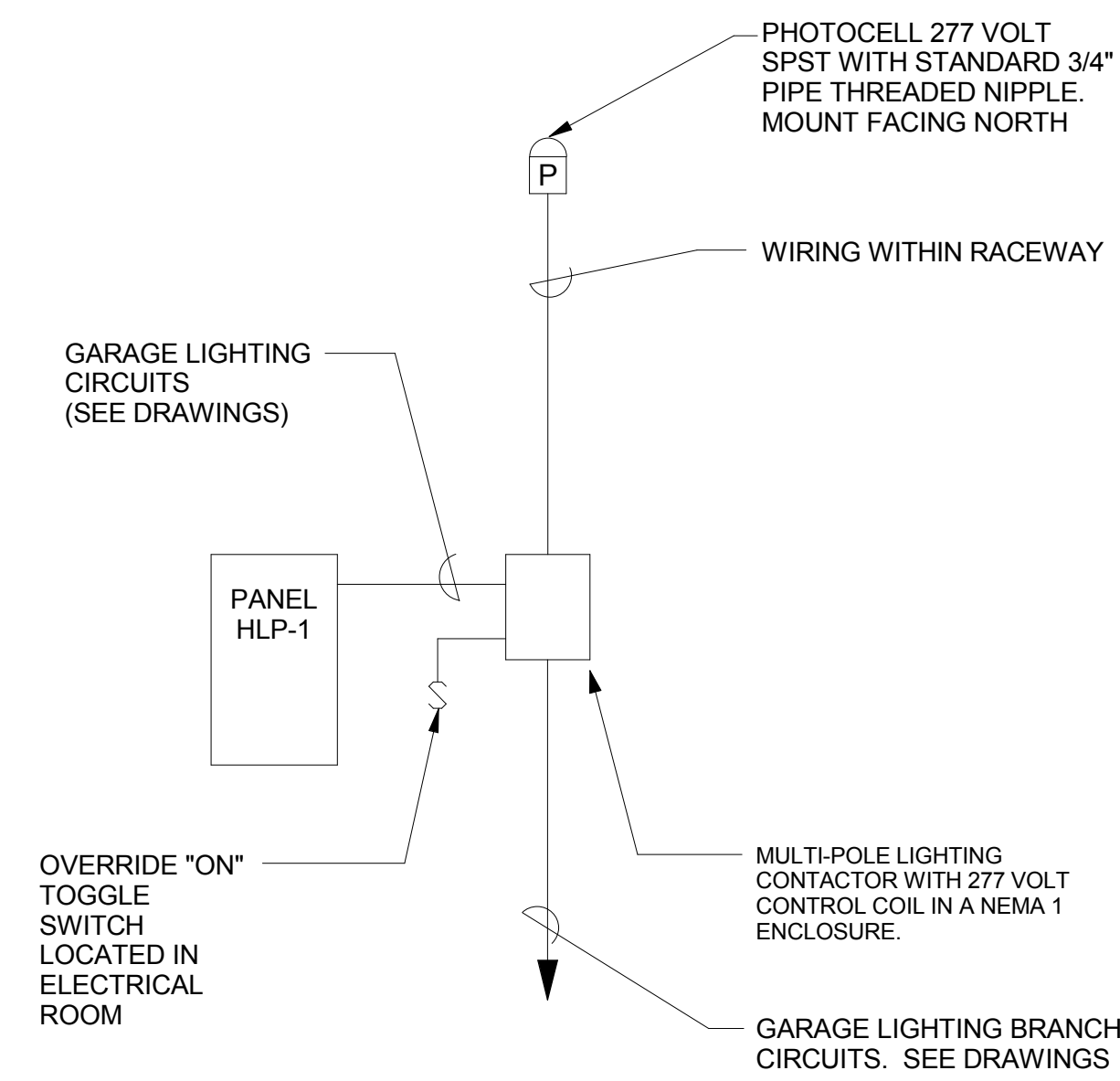
LUMINAIRE SCHEDULE CONTINUED					
NOTES:					
1. BIDS SHALL BE BASED ON THE LUMINAIRE SCHEDULE BELOW AND THE SPECIFICATIONS. REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.					
TYPE	MANUFACTURER	MODEL	FIXTURE DESCRIPTION	VOLTS	LAMPS
AA1	CREE LIGHTING BEACON U.S. ARCHITECTURAL MCGRAW-EDISON LITHONIA LIGHTING	OSQ-A-DA-3ME-K-40K-UL-BZ SERIES VPS60NB-136 4KTSUNVLC RABZT VLL-LED/PLED-III/ M525mA/4 GLEON-AF-03-LED-E1-SL3-BZ DSX LED 40C 1000mA T3M MVOLT SPA DDBXD	SINGLE HEAD LED AREA LIGHTING LUMINAIRE MOUNTED ON POLE WITH ONE HEAD, TYPE 3 MEDIUM LIGHTING DISTRIBUTION. PROVIDE 16' HIGH, 4" SQUARE STEEL POLE AND CONCRETE BASE. BRONZE FINISH. PROVIDE WITH BACKLIGHT SHIELD. PROVIDE REMOVABLE COVER AT BOTTOM OF POLE TO CONCEAL CONCRETE BASE AND POLE CONNECTION.	277V	130 WATTS 13400 LM 4000K LED
AA2	CREE LIGHTING BEACON U.S. ARCHITECTURAL MCGRAW EDISON LITHONIA LIGHTING	OSQ-A-DA-3ME-K-40K-UL-BZ SERIES VPS60NB-136 4KTSUNV RABZT VLL-LED/PLED-III/ M525mA/4 GLEON-AF-03-LED-E1-T3-BZ DSX1 LED 60C 700 T3M MVOLT SPA DDBXD	TWIN HEAD LED AREA LIGHTING LUMINAIRE MOUNTED ON POLE WITH TWO HEADS, TYPE 3 MEDIUM LIGHTING DISTRIBUTION. PROVIDE 16' HIGH, 4" SQUARE STEEL POLE AND CONCRETE BASE. BRONZE FINISH. PROVIDE REMOVABLE COVER AT BOTTOM OF POLE TO CONCEAL CONCRETE BASE AND POLE CONNECTION.	277V	130 WATTS 16900 LM 4000K LED PER EACH HEAD
AA3	CREE LIGHTING BEACON U.S. ARCHITECTURAL MCGRAW EDISON LITHONIA LIGHTING	OSQ-A-DA-3ME-K-40K-UL-BZ SERIES VPS60NB-136 4KTSUNV RABZT VLL-LED/PLED-III/ M525mA/4 GLEON-AF-03-LED-E1-T3-BZ DSX1 LED 60C 700 T3M MVOLT SPA DDBXD	SINGLE HEAD LED AREA LIGHTING LUMINAIRE MOUNTED ON POLE WITH ONE HEAD, TYPE 3 MEDIUM LIGHTING DISTRIBUTION. PROVIDE 20' HIGH, 4" SQUARE STEEL POLE AND CONCRETE BASE. BRONZE FINISH. PROVIDE REMOVABLE COVER AT BOTTOM OF POLE TO CONCEAL CONCRETE BASE AND POLE CONNECTION.	277V	130 WATTS 16900 LM 4000K LED
AA3A	CREE LIGHTING BEACON U.S. ARCHITECTURAL MCGRAW EDISON LITHONIA LIGHTING	OSQ-A-DA-3ME-K-40K-UL-BZ SERIES VPS60NB-136 4KTSUNV RABZT VLL-LED/PLED-III/ M525mA/4 GLEON-AF-03-LED-E1-T3-BZ DSX1 LED 60C 700 T3M MVOLT SPA DDBXD	SAME AS TYPE AA3 LUMINAIRE EXCEPT PROVIDED WITH BACKLIGHT SHIELD	277V	130 WATTS 13400 LM 4000K LED
AA4	CREE LIGHTING BEACON U.S. ARCHITECTURAL MCGRAW EDISON LITHONIA LIGHTING	OSQ-A-DA-3ME-K-40K-UL-BZ SERIES VPS60NB-136 4KTSUNV RABZT VLL-LED/PLED-III/ M525mA/4 GLEON-AF-03-LED-E1-T3-BZ DSX1 LED 60C 700 T3M MVOLT SPA DDBXD	TWIN HEAD LED AREA LIGHTING LUMINAIRE MOUNTED ON POLE WITH TWO HEADS, TYPE 3 MEDIUM LIGHTING DISTRIBUTION. PROVIDE 20' HIGH, 4" SQUARE STEEL POLE AND CONCRETE BASE. BRONZE FINISH. PROVIDE REMOVABLE COVER AT BOTTOM OF POLE TO CONCEAL CONCRETE BASE AND POLE CONNECTION.	277V	130 WATTS 16900 LM 4000K LED PER EACH HEAD

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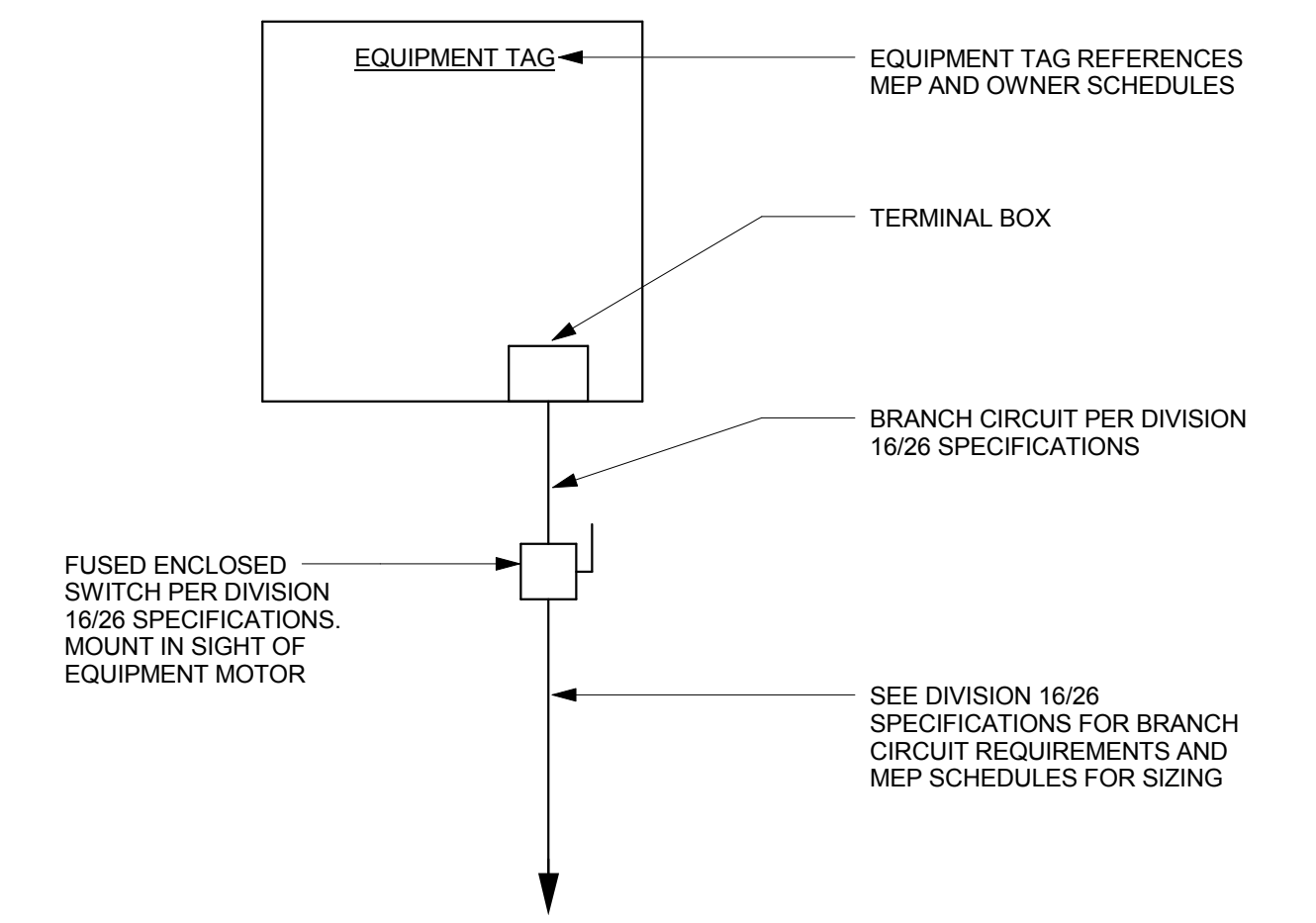
drawing file ELECTRICAL SCHEDULES		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by BVH integrated services		date 12-01-2017	scale
project GBCMHC GBCMHC PARKING GARAGE REPAIRS 1835 CENTRAL AVE., BRIDGEPORT, CT		drawn by JCK	approved by JLJ
drawing no. E-400		CAD no. MEP R16.rvt	project no. BLMH-121

12/22/2017 8:30:12 AM E:\Work\Rebuild\Report Garage\Report MEP R16 (DMC).rvt



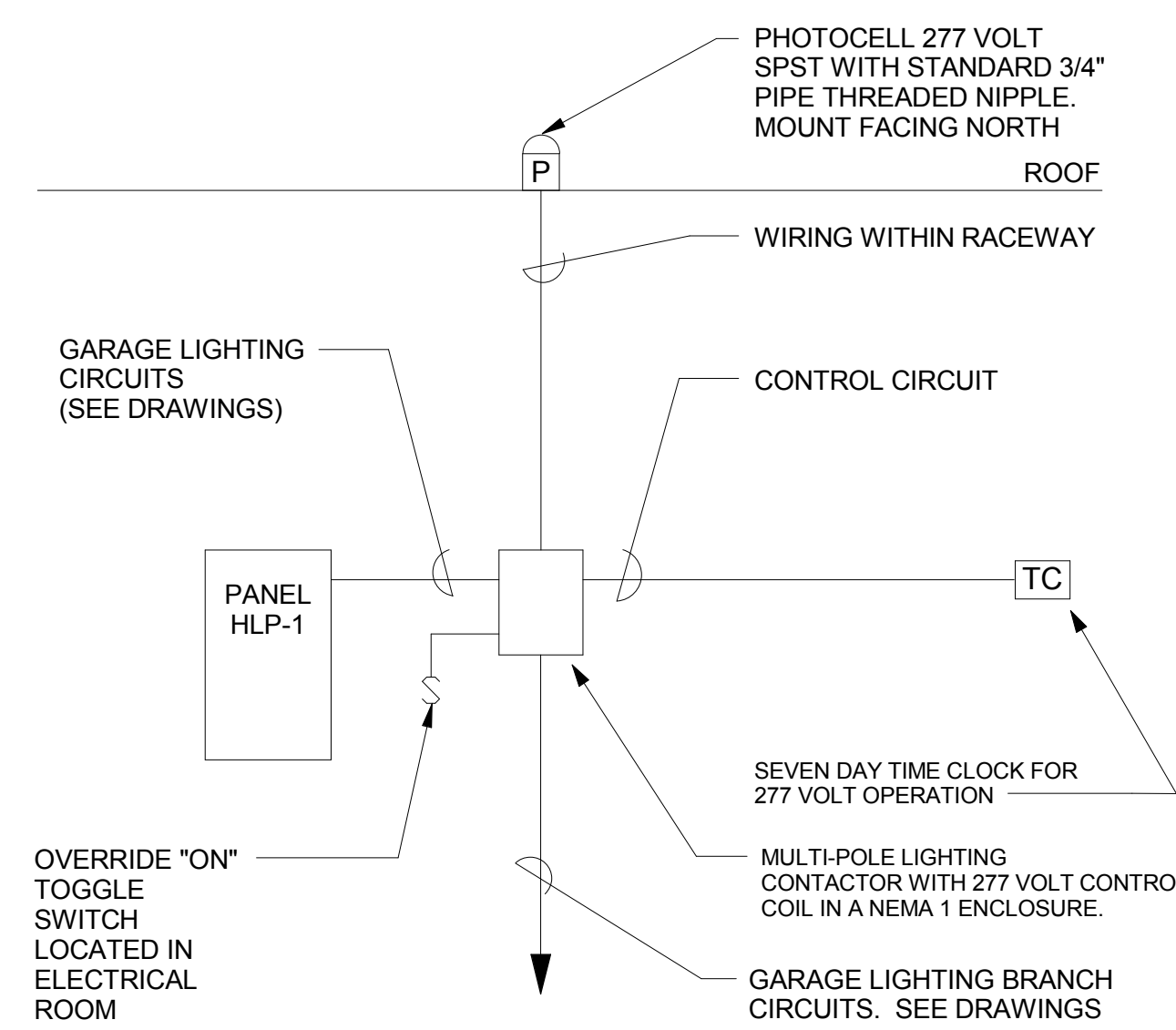
NOTE
1. SEE SPECIFICATIONS FOR EXTERIOR LIGHTING CONTROL EQUIPMENT.

PERIMETER GARAGE LIGHTING CONTROL WIRING
NOT TO SCALE



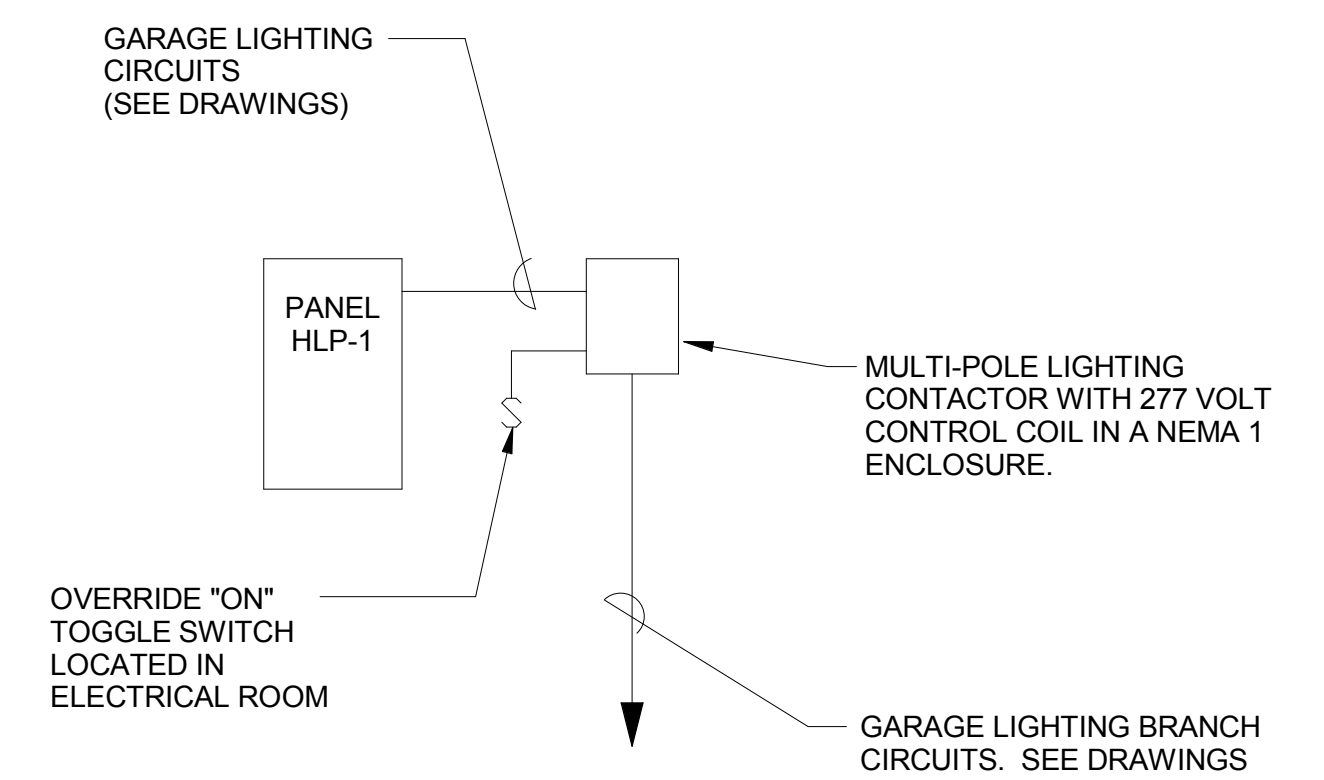
NOTE:
THIS DETAIL IS FOR ALL EQUIPMENT WHERE EQUIPMENT REQUIRES POWER AND WHERE THERE ARE NO MOTORS INVOLVED OR WHERE SPECIFICATIONS OR SCHEDULES FOR MULTIPLE MOTOR EQUIPMENT SPECIFICALLY INDICATE ONE POINT POWER CONNECTION. CONTRACTOR TO PROVIDE WIRING BETWEEN REMOTE DISCONNECTS, STARTERS AND MOTORS. SEE EQUIPMENT SCHEDULES AND SPECIFICATIONS.

TYPICAL EQUIPMENT CONNECTION DETAIL
NOT TO SCALE



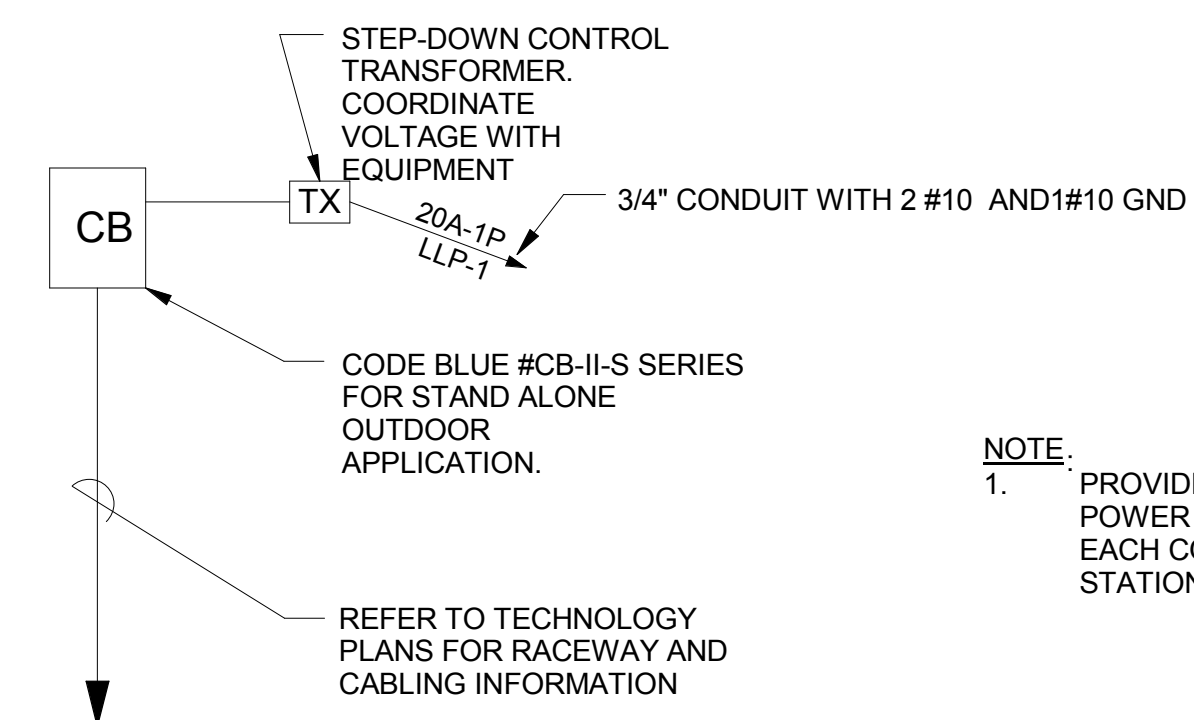
NOTE
SEE SPECIFICATIONS FOR EXTERIOR LIGHTING CONTROL EQUIPMENT.

EXTERIOR LIGHTING CONTROL WIRING
NOT TO SCALE



NOTE
1. SEE SPECIFICATIONS FOR EXTERIOR LIGHTING CONTROL EQUIPMENT.

INTERIOR GARAGE LIGHTING CONTROL WIRING
NOT TO SCALE



NOTE:
1. PROVIDE SEPERATE POWER CIRCUIT FOR EACH CODE BLUE STATION

CODE BLUE STATION DETAIL
NOT TO SCALE



drawing title			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
ELECTRICAL DETAILS			DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS					
mark	date	description	drawing prepared by	date	scale
			BVH integrated services	12-01-2017	NONE
project			drawn by		
GBCMHC			JCK		
GBCMHC PARKING GARAGE REPAIRS			approved by		
1835 CENTRAL AVE., BRIDGEPORT, CT			JLJ		
CAD no.			drawing no.		
MEP R16.rvt			E-401		