NEW FACILITY FOR THE

CARVER POLICE DEPARTMENT

3 CENTER STREET CARVER, MASSACHUSETTS

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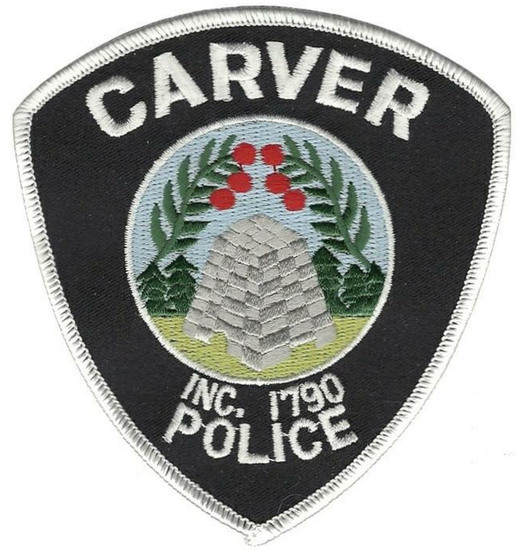
OCTOBER 2, 2019



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web: www.camainc.com

P/FP/M/E ENGINEER:

Building Engineering Resources, Inc.
66 Main Street
North Easton, MA 02356
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fax: (508) 230-0265

BUILDING CODE INFORMATION

1.0 OCCUPANCY CLASSIFICATION (CHAPTER 3):
PROPOSED MIXED OCCUPANCIES (508.4 SEPARATED OCCUPANCIES)

(PRIMARY)	B - BUSINESS
(SECONDARY)	S-2 - LOW-HAZARD STORAGE

2.0 CONSTRUCTION TYPE (CHAPTER 6):
MINIMUM TYPE REQUIRED: V B - NONCOMBUSTIBLE / COMBUSTIBLE

3.0 BUILDING HEIGHT (CHAPTER 5):

	(B) BUSINESS	(S-2) STORAGE
ALLOWABLE HEIGHT	2 ST / 40'	2 ST / 40'
ACTUAL HEIGHT	1 ST / 32'-5"+/-	1 ST / 20'-0"+/-
STORIES ABOVE GRADE	1 STORY	1 STORY

4.0 BUILDING AREA (CHAPTER 5):
A) BUILDING AREA LIMITATIONS (BY OCCUPANCY):

	TABULAR	ADJUSTED	
B - ALLOWABLE AREA	9,000 S.F.	33,750 S.F.#	sq. ft
S-2 - ALLOWABLE AREA	13,500 S.F.	50,625 S.F.#	sq. ft

- ADDITIONAL AREA INCREASE INCLUDED DUE TO AUTOMATIC SPRINKLER SYSTEM INSTALLATION THROUGHOUT AND FRONTAGE.

B) ACTUAL TOTAL BUILDING AREA (NEW CONSTRUCTION): 11,937 sq. ft

C) ACTUAL BUILDING AREA, BY OCCUPANCY:

B - BUSINESS	10,806	sq. ft
S-2 - LOW-HAZARD STORAGE	1,131	sq. ft
TOTAL	11,937	sq. ft

D) MIXED USE (508.4 SEPARATED OCCUPANCIES) - (Allowable Area 508.4.2):

$$\sum \frac{\text{(OCCUPANCY B) ACTUAL AREA}}{\text{ALLOWABLE AREA}} + \frac{\text{(OCCUPANCY S-2) ACTUAL AREA}}{\text{ALLOWABLE AREA}} \leq 1.0$$

$$\sum \frac{10,806}{33,750} + \frac{1,131}{50,625}$$

0.3202 + 0.0224 = 0.3426 (≤ 1.0 ✓)

5.0 AREA MODIFICATIONS TO TABLE 503:
FRONTAGE INCREASE (506.2):

	NORTH	EAST	SOUTH	WEST
TOTAL PERIMETER =	117 FT.	164 FT.	117 FT.	164 FT.
OPEN PERIMETER =	117 FT.	164 FT.	117 FT.	164 FT.

TOTAL FRONTAGE (*F*) = 562 FT. (building perimeter which fronts on a public way or open space having 30 feet open min. width)

TOTAL PERIMETER (*P*) = 562 FT. (perimeter of entire building)

WIDTH OF OPEN SPACE (*W*) = 30 FT. (MIN.)

$If = [F/P - 0.25]\,W/30$

If = (562/562 - 0.25) x 30/30
(1.0 - 0.25) x 1.0
(0.75) x 1.0 = 0.75 or 75%

% OF ALLOWABLE TABULAR AREA (*At*) (TABLE 503)	100%	or 9,000
% INCREASE FOR FRONTAGE (*If*) (506.2)	+ 75%	or 6,750
TOTAL PERCENTAGE FACTOR =	= 175%	or 15,750
CONVERSION FACTOR (Total percentage factor / 100%)	= 1.75	

506.1 - AREA MODIFICATIONS (EQUATION 5-1)

$A_a = A_t + [A_t I_f] + [A_t I_s]$

USE GROUP (B): $A_a = 9,000 + [9,000 \times .75] + [9,000 \times 2]$
$A_a = 9,000 + 6,750 + 18,000$
$A_a = 33,750$ sq. ft

USE GROUP (S-2): $A_a = 13,500 + [13,500 \times .75] + [13,500 \times 2]$
$A_a = 13,500 + 10,125 + 27,000$
$A_a = 50,625$ sq. ft

6.0 FIRE RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):
CONSTRUCTION TYPE - V B

1) STRUCTURAL FRAME	0	Hr(s)
2) BEARING WALLS - EXTERIOR	0	Hr(s)
- INTERIOR	0	Hr(s)
3) NONBEARING WALLS AND PARTITIONS - EXTERIOR	0 Hr(s)	Table 602
4) NONBEARING WALLS AND PARTITIONS - INTERIOR	0	Hr(s)
5) FLOOR CONSTRUCTION	0	Hr(s)
6) ROOF CONSTRUCTION	0	Hr(s)

7.0 OCCUPANCY LOAD SBC SECTION 1004.1.:
FIRST FLOOR OCCUPANT LOAD:
A) BUSINESS OCCUPANCY:

SPACE	AREA	SF/OCC	OCCUPANTS
N.S.O. & GROSS AREAS	2,425 SF		
ASSEMBLY	1,196 SF	7 NET	171
ASSEMBLY	878 SF	15 NET	60
LOCKER ROOM	1,055 SF	50 GROSS	22
GENERAL AREA	3,559 SF	100 GROSS	44
DETENTION	846 SF	120 GROSS	8
MECHANICAL	138 SF	300 GROSS	2
STORAGE	707 SF	300 GROSS	6
BUSINESS TOTAL	10,806 SF		313 OCC.

B) STORAGE OCCUPANCY:

SPACE	AREA	SF/OCC	OCCUPANTS
N.S.O. & GROSS AREAS	92 SF		
SALLY PORT	1,039 SF	200 GROSS	6
STORAGE TOTAL	1,131 SF		6 OCC.

C) OCCUPANCY TOTAL:
TOTAL = BUSINESS + STORAGE
TOTAL = 313 + 6 = 319 PERSONS

8.0 MODIFICATIONS: NONE

9.0 ACCESSIBLE BUILDING: ☑ DESIGNATED ☐ NON-DESIGNATED

10.0 MINIMUM PLUMBING FIXTURE COUNT: (IPC CHAPTER 4)
A) BUSINESS OCCUPANCY - 313 OCCUPANTS (158 EACH GENDER):

	REQUIRED	NUMBER REQUIRED MEN	NUMBER REQUIRED WOMEN
WC	FIRST 50, 1 PER 25	2	2
	NEXT 50, 1 PER 50	2.14	2.14
LAVS	FIRST 50, 1 PER 40	1.25	1.25
	NEXT 50, 1 PER 80	1.3375	1.3375
TUB/SHOWERS	-	0	
DF	1 PER 100	3.13	
SERVICE SINK	1	1	

B) STORAGE OCCUPANCY - 6 OCCUPANTS (3 EACH GENDER):

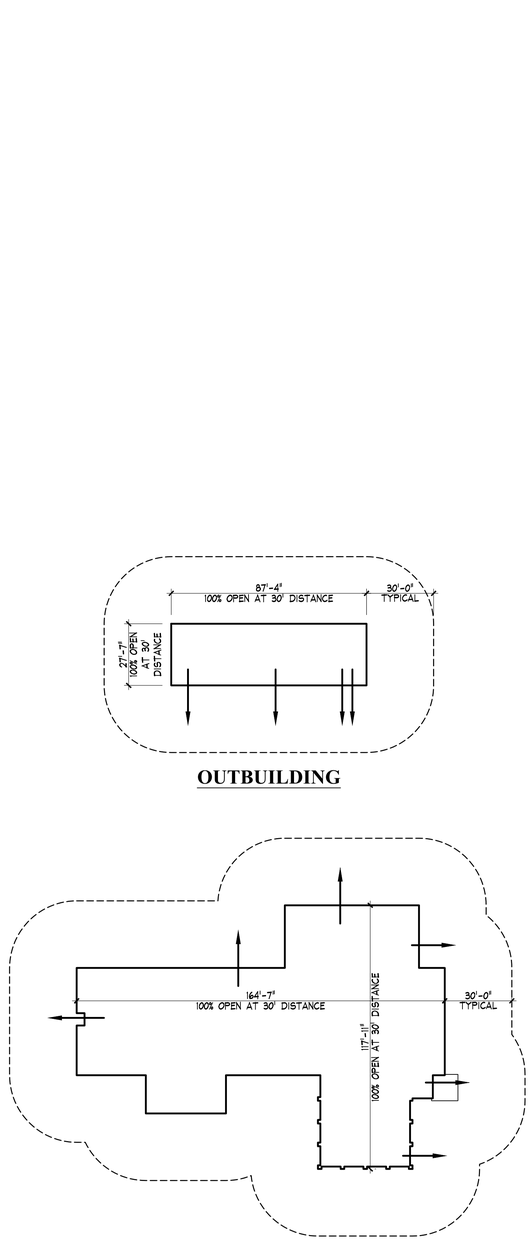
	REQUIRED	NUMBER REQUIRED MEN	NUMBER REQUIRED WOMEN
WC	1 PER 100	0.03	0.03
LAVS	1 PER 100	0.03	0.03
TUB/SHOWERS	1 PER 15	0.4	
DF	1 PER 1000	0.006	
SERVICE SINK	1	1	

C) TOTAL FIXTURE COUNT:

	BUSINESS NUMBER REQUIRED MEN	BUSINESS NUMBER REQUIRED WOMEN	STORAGE NUMBER REQUIRED MEN	STORAGE NUMBER REQUIRED WOMEN	TOTAL NUMBER REQUIRED MEN	TOTAL NUMBER REQUIRED WOMEN	ACTUAL NUMBER PROVIDED MEN	ACTUAL NUMBER PROVIDED WOMEN	ACTUAL NUMBER PROVIDED UNISEX	ACTUAL TOTAL
WC	4.14	4.14	0.03	0.03	5	5	4	1	8	13
LAVS	2.5875	2.5875	0.03	0.03	3	3	3	1	8	12
TUB/SHOWERS	0		0.4		1		3			
DF	3.13		0.006		4		2 !! BOTTLED WATER STATION			
SERVICE SINK	1		1		2		2			

11.0 SPRINKLER PROTECTION: ☑ THROUGHOUT ENTIRE BUILDING ☐ LIMITED AREA

OUTBUILDING



MAIN BUILDING

1 OPEN AREA ANALYSIS PLAN
SCALE: 1/32" = 1'-0"

GOVERNING BUILDING CODES:

- THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE 780 CMR - 9TH EDITION (THE 2015 INTERNATIONAL BUILDING CODE WITH MASSACHUSETTS AMENDMENTS)
- THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH MASSACHUSETTS AMENDMENTS
- THE 2015 INTERNATIONAL MECHANICAL CODE
- 105 CMR - THE SANITARY CODE
- 248 CMR - PLUMBING AND GAS CODE
- 310 CMR - SEWERAGE CODE
- 314 CMR - SURFACE WATER DISCHARGE
- 527 CMR - 12.00 MASS. ELECTRICAL CODE
- TITLE V: SEPTIC CODE

GOVERNING FIRE CODES:

- 527 CMR - FIRE CODE

ACCESSIBILITY STANDARDS:

- 521 CMR - ARCHITECTURAL ACCESS BOARD
- THE A.D.A. ACT, TITLE II INCLUDING A.D.A. ACCESSIBILITY GUIDELINES AND A.D.A. REGULATIONS.

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

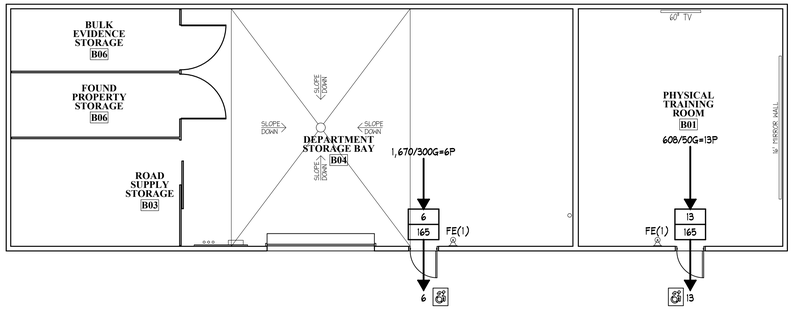
JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CODE INFORMATION

PROJ. NO. JH1830	DRAWING NO. R-0.1
SCALE As Noted	
DATE OCTOBER 2, 2019	

CODE REFERENCE PLAN LEGEND

875/20N = 43P	ROOM OCCUPANCY LOAD AREA IN S.F./OCC. LOAD FACTOR = OCC. LOAD
N.S.O.	NON SIMULTANEOUS OCCUPANCY
30 165	EXIT CAPACITY ACTUAL EGRESS OCCUPANCY MAXIMUM ALLOWABLE EGRESS OCCUPANCY
123	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
MTD=300'-0" MAX.	MAXIMUM TRAVEL DISTANCE (MTD) FROM FARTHEST POINT
CPT=100'-0" MAX.	COMMON PATH OF TRAVEL (CPT) FROM FARTHEST POINT
	HANDICAP ACCESSIBLE AREA OF REFUGE OR EXIT
	SMOKE BARRIER AS DEFINED BY BUILDING CODE
	1 HOUR FIRE BARRIER AS DEFINED BY BUILDING CODE
	2 HOUR FIRE BARRIER AS DEFINED BY BUILDING CODE
	1 HOUR SHAFT WALL CEILING ASSEMBLY PER PLANS APPLICABLE TYPE: "CFG-1".
	2 HOUR SHAFT WALL CEILING ASSEMBLY PER PLANS APPLICABLE TYPE: "CFG-2".
FE(#)	FIRE EXTINGUISHER ON WALL MOUNTED BRACKET FE(1) TYPE: 4A-80B:C - 10 LBS. CAPACITY
FEC(#)	FIRE EXTINGUISHER IN RECESSED CABINET FEC(1) TYPE: 4A-80B:C - 10 LBS. CAPACITY
AB	FIRE ALARM BEACON AND/OR BELL LOCATION PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
KB	KNOX BOX LOCATION PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
FAA	FIRE ALARM ANNUNCIATOR PANEL PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
FAC	FIRE ALARM CONTROL PANEL PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
FPB	FIRE PUMP LEVEL INDICATOR PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
GAA	GENERATOR ALARM ANNUNCIATOR PANEL PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.
HCP	FIRE DEPARTMENT SPRINKLER SYSTEM HOSE CONNECTION POINT PER FIRE PROTECTION DRAWINGS. COORDINATE WITH FIRE DEPT.
SNAC	FIRE ALARM SUPPLEMENTARY NOTIFICATION APPLIANCE CIRCUIT PANEL PER ELECTRICAL DRAWINGS. COORDINATE WITH FIRE DEPT.

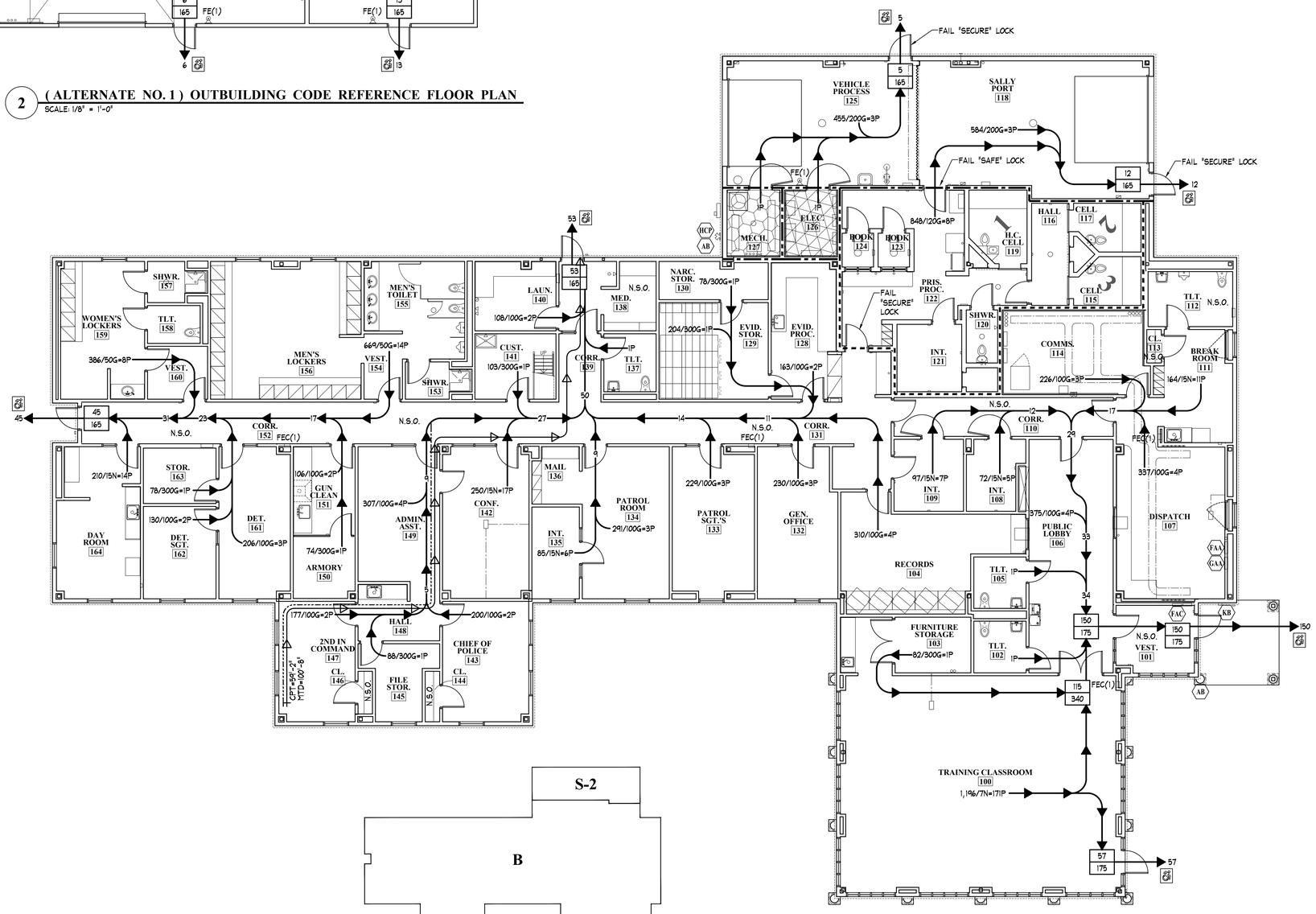


0 4' 8' 16'

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

2 (ALTERNATE NO. 1) OUTBUILDING CODE REFERENCE FLOOR PLAN

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



S-2

OUTBUILDING OCCUPANCY CLASSIFICATION LEGEND

MAIN BUILDING OCCUPANCY CLASSIFICATION LEGEND

0 4' 8' 16'

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

1 MAIN BUILDING CODE REFERENCE FLOOR PLAN

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

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE

CARVER POLICE DEPARTMENT

CARVER, MASSACHUSETTS

3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC

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TEL 860-828-9221
FAX 860-828-9223

CODE REFERENCE PLANS

PROJ. NO.	DRAWING NO.
JH1830	R-1.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

MAP 103 PARCEL 11 & 11-C
650,186 Sq Ft
14.9262 Ac.

MAP 103 PARCEL 13
N/F
ROSE SHIMUKS &
RACHAEL MACDONALD

MAP 103
PARCEL 12
N/F
FRED & ANN
HORTON

MAP 103 PARCEL 11B
N/F
ROBERT & CARMILLE
KENISTON

MAP 103 PARCEL 11 & 11-C
N/F
TOWN OF CARVER
HOUSING AUTHORITY

MAP 103 PARCEL 10
N/F
TOWN OF CARVER

TOWN
OF
CARVER
LIBRARY

EXISTING TOWN WELL

250' PROTECTIVE WELL RADIUS

EXISTING BUILDING

EXISTING BIT. CONC. PAVED PARKING

EXISTING PAVED WALKWAY

EXISTING CHAINLINK FENCE

PLAYGROUND

EXISTING WATER FEATURE

EXISTING TIMBER GUARDRAIL

EXISTING TREE LINE

AKA EAST CENTER MILL ROAD
EXISTING CART PATH

EXISTING CBAS RIM =99.50

JOB BENCHMARK: DMH RIM = 100.75

EXISTING CBAS RIM =100.17

EXISTING CBAS RIM =99.46

EXISTING CBAS RIM =98.03

10FT.E. ELEV. = 96.27

JOB BENCHMARK: DMH RIM = 98.62

EXISTING CBAS RIM =98.06

EXISTING STAFF PARKING

GRL SCOUT TRIANGLE SIGN

S16°01'E 297.16'

S38°53'21"E 24.38'

S74°05'20"E 136.90'

S74°05'20"E 220.08'

N14°25'00"E 300.00'

N14°25'00"E 111.63'

L=248.67
R=480.00
Δ=29°41'00"
Tan=127.19

N14°45'00"W 55.73'

N14°53'47"W 15.83'

S75°14'58"W 3.51'

S03°51'29"W 339.60'

S70°24'29"W 275.00'

S03°51'29"W 240.00'

S69°55'09"W 358.83'

N22°09'19"E 220.00'

CENTER STREET

MAIN STREET

MEADOWBROOK WAY

S16/DH (FND)

IRON ROD W/CAP (FND)

IRON ROD W/CAP (FND)

PLY. CO. BND (FND)

PLY. CO. BND (FND)

PLY. CO. BND (FND)

CARVER FIRE STATION

MAGNETIC

LEGEND

- IRON PIPE OR ROD FOUND
- GAS VALVE
- UTILITY POLE
- LIGHT POLE
- DRAIN MANHOLE
- CATCH BASIN
- EXTERIOR SIGN
- WATER SUPPLY WELL
- FENCE
- STONE WALL
- CURB
- OVERHEAD WIRES
- UNDERGROUND ELECTRIC
- TELEPHONE LINES
- WATER SERVICE
- GAS SERVICE
- STORM DRAIN
- EXISTING CONTOURS
- SPOT SHOT ELEVATIONS
- TREE LINE

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	DATE	CHK'D	REVISION

S:\LAND PROJECTS 2007\2887 - Carver Police 2018\DWG\2018 Police Station Detail.DWG

NOTES:

1. PROPERTY LINE INFORMATION IS TAKEN FROM A PLAN ENTITLED: PLAN OF LOTS 11 & 11-C MAIN & CENTER STREETS & EAST CENTER MILL ROAD IN CARVER MASS. PREPARED BY SHOREY NIMS & BARTLETT, INC. DATED SEPTEMBER 13, 1994 AND RECORDED AT THE PLYMOUTH COUNTY REGISTRY OF DEEDS IN PLAN BOOK 37 PAGE 211.

2. EXISTING CONDITIONS SHOWN ON THIS PLAN WAS THE RESULT OF AN ACTUAL ON THE GROUND SURVEY DONE BY THIS OFFICE IN JANUARY OF 2019.

COMMONWEALTH OF MASSACHUSETTS
ARTHUR F. BORDEN No. 30775
REGISTERED PROFESSIONAL LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR

01/22/2019
DATE

"EXISTING CONDITIONS" PLAN OF LAND
OF
#2 MEADOWBROOK WAY
IN
CARVER, MASSACHUSETTS
PREPARED FOR
Police Station Building Committee

SCALE: 1"= 50' JANUARY 15, 2019

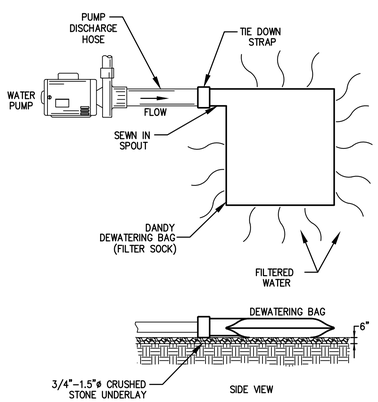
Arthur F. Borden & Associates, Inc.
Professional Land Surveyors & Civil Engineers
302 Broadway, Unit 4 - Raynham, Massachusetts 02767
10 Old Main Street - Carver, Massachusetts 02330
(508) 880-3439 WWW.AFBSURVEY.COM

SITE LEGEND

EXISTING	NEW	DESCRIPTION
D	D	STORM DRAIN
E	E	ELECTRIC (UNDERGROUND)
F	F	FIRE SERVICE
DS	DS	DOWNSPOUT DRAIN
G	G	GAS
OHW	OHW	OVERHEAD WIRE
PL	PL	PROPERTY LINE
S	S	SANITARY SEWER
W	W	WATER
	EP	UNDERGROUND ELECTRIC PRIMARY SERVICE
	ES	UNDERGROUND ELECTRIC SECONDARY SERVICE
	COMM	UNDERGROUND COMMUNICATIONS DUCTBANK
	SL	UNDERGROUND SITE LIGHTING SERVICE
	FA	UNDERGROUND FIRE ALARM SERVICE
64	64	CONTOUR
BCC	BCC	BITUMINOUS CONC. CURB
CCB	CCB	CAPE COD BERM
PCC	PCC	PRECAST CONC. CURB
SGC	SGC	SLOPED GRANITE CURB
VGC	VGC	VERTICAL GRANITE CURB
x64.0	x64.75	SPOT GRADE
		CONSTRUCTION CHAINLINK FENCING
	DMH	DRAIN MANHOLE
FES	FES	FLARED END STRUCTURE
	SMH	SEWER MANHOLE
	CB	CATCH BASIN
	CB(DG)	DOUBLE GRATE CATCH BASIN
		UTILITY POLE
CTB	CTB	CONCRETE THRUST BLOCK
GV	GV	GATE VALVE AND CURB BOX
		HANDICAP SYMBOL (PRKG. SPACE)
		HEADWALL
	(E)	ELECTRIC MANHOLE
	(T)	TELEPHONE MANHOLE
	PB	ELECTRIC PULL BOX
		SIGHT LIGHT POLE
	FDC	FIRE DEPARTMENT CONNECTION
		WETLAND
		BORING LOCATION
TP	TP	TEST PIT LOCATION
	C.T.E.	POINT OF CONNECTION TO EXISTING
	E.T.R.	EXISTING TO REMAIN
F.F.E.	F.F.E.	FINISH FLOOR ELEVATION (FIRST FLOOR)
	F&I	FURNISH AND INSTALL
	GCO	GROUND CLEANOUT
INV.	INV.	INVERT ELEVATION
	N.T.S.	NOT TO SCALE
	WQS	WATER QUALITY STRUCTURE
	V.I.F.	VERIFY IN FIELD
		TRAFFIC FLOW DIRECTION

GENERAL NOTES

1. EXISTING CONDITIONS SHOWN WERE TAKEN FROM EXISTING CONDITIONS PLAN PREPARED BY ARTHUR F. BORDEN & ASSOCIATES, INC. FOR THE CARVER POLICE STATION BUILDING COMMITTEDD DATED JANUARY 15, 2019.
2. CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO LAYOUT ON THE GROUND ALL NEW ELEMENTS OF WORK. THE NEW WORK IS TO BE COMPLETED, MARKED, AND LAID OUT ON THE GROUND, REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. IF ANY WORK IS INSTALLED PRIOR TO THE ABOVE REQUIREMENT BEING MET, AND IF THE WORK IS NOT SATISFACTORY IN LAYOUT TO THE ARCHITECT, CONTRACTOR SHALL REPLACE THE WORK AT NO COST.
3. PRIOR TO ANY EXCAVATION, IN ADDITION TO "DIG SAFE", NOTIFY APPROPRIATE UTILITY COMPANY OR AUTHORITY TO VERIFY EXACT DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES. LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE DRAWINGS.
4. THE DOCUMENTS MAY INDICATE RESULTS OF BORINGS AND/OR TEST PITS. THESE INVESTIGATIONS AND RESULTANT INTERPRETATIONS WERE MADE FOR THE SOLE PURPOSE OF PROVIDING DESIGN DATA FOR THE USE OF THE DESIGN TEAM ONLY. INTERPRETATION OF THE DATA FOR PURPOSES OF CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DURING THE COURSE OF CONSTRUCTION, ALL INTERPRETATIONS OF SOIL SUITABILITY SHALL BE MADE BY THE ARCHITECT. THE DECISION OF THE ARCHITECT SHALL BE FINAL AND BINDING ON THE CONTRACTOR.
5. REFER TO THE SPECIFICATIONS. IN ADDITION TO THOSE REQUIREMENTS, SITE PREPARATION SHALL ALSO INCLUDE THE FOLLOWING:
   A. IN THE COURSE OF INSTALLING THE UNDERGROUND UTILITIES, REMOVE ANY ABANDONED FOUNDATION, UTILITY STRUCTURES, ETC., ENCOUNTERED WHICH INTERFERE WITH THE UTILITY WORK. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND SHALL BE BACKFILLED WITH GRAVEL COMPACTED IN 9" LIFTS TO 95% COMPACTION TO 6" BELOW THE BOTTOM OF THE PIPE AND UTILITY.
   B. IF DURING EXCAVATION THE TRENCH WIDTH EXCEEDS THE SUM OF THE PIPE O.D. PLUS 2'-0", PLACE AND COMPACT THE FILL TO 12" ABOVE THE PIPE AND RE-EXCAVATE TO REQUIRED GRADES.
   C. AT THE POINT WHERE BULK EARTH MOVING HAS BEEN COMPLETED TO THE SUBGRADE LEVEL AND PRIOR TO PLACING UTILITIES, CURBING, OR PAVING, PROOF ROLL THE ENTIRE AREA IN THE PRESENCE AND UNDER THE SUPERVISION OF THE SOILS LABORATORY. PROOF- ROLLING SHALL CONSIST OF MAKING NOT LESS THAN (5) PASSES OVER THE AREA WITH A VIBRATOR DRUM ROLLER WEIGHING AT LEAST 10,000 lbs. THE SOILS LAB WILL CONDUCT FIELD DENSITY TESTS AND WILL DETERMINE CORRECTIVE MEASURES TO BE DONE, IF ANY, BASED ON THE PROOF-ROLLING.
6. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL TOWN SPECIFICATIONS.
7. WATER SERVICE PIPING SHALL BE COPPER TUBING SIZE (CTS) ULTRAVIOLET LIGHT PROTECTED POLYETHYLENE PIPE (PE PIPE) CONFORMING TO AWWA REQUIREMENTS WITH A 200 PSI RATING, AND WITH A CTS CURB STOP VALVE WITH NO WASTE DRAIN. METALLIC BACKED TRACE TAPE WITH WORDING PRINTED ON THE TAPE INDICATING A BURIED WATER LINE SHALL BE INSTALLED ONE (1) FOOT ABOVE THE PIPE. THE SERVICE PIPING SHALL BE INSTALLED WITH A TRACE WIRE STRIPPED AND CONNECTED TO THE CORPORATION, CURB STOP AND VALVE ABOVE SLAB IN BUILDING.
8. STORM DRAINS 12" AND OVER SHALL BE ADS N-12 SOIL TIGHT (ST) HDPE PIPE (H-20) WITH WATER TIGHT RUBBER GASKET JOINT UNLESS NOTED OTHERWISE. JOINTS SHALL MEET OR EXCEED ASTM D3212 LAB TEST AND ASTM C969 WATERTIGHT EXFILTRATION FIELD TEST.
9. STORM DRAINS 10" AND UNDER SHALL BE MANVILLE ASTM D-3034 SDR-35 P.V.C. PIPE WITH PUSH-ON RUBBER RING JOINTS. JOINTS SHALL MEET OR EXCEED ASTM F1417 WATERTIGHT FIELD TEST.
10. SANITARY SEWER PIPING AND FITTINGS SHALL BE ASTM D-1785 AND D-2466 SCHEDULE 40 PVC. SOLVENT CEMENTED JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D-2564 .
11. SEWER LINES SHALL BE INSTALLED AT MINIMUM 10 FOOT HORIZONTAL SEPARATION FROM ANY PROPOSED OR EXISTING WATER LINES.
12. WHENEVER SEWER LINES MUST CROSS WATER LINES THE SEWER SHALL BE INSTALLED SO THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHERE 18 INCH VERTICAL SEPARATION & 10 FEET HORIZONTAL SEPARATION CAN NOT BE MET AT WATER AND SEWER CROSSINGS, BOTH THE WATER AND SEWER PIPE SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT-LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF CROSSING. BOTH PIPES SHALL BE PRESSURE TESTED BY AN APPROVED METHOD TO ASSURE WATERTIGHTNESS.
13. WHENEVER UTILITIES OR STRUCTURES ARE TO BE INSTALLED WITHIN CITY/TOWN PUBLIC OR PRIVATE LAYOUT, THE EXCACATION SHALL BE BACKFILLED WITH FLOWABLE FILL. ALL AREAS OF ROADWAY PAVEMENT & WALKWAYS DISTURBED DURING CONSTRUCTION SHALL BE RE-PAVED PER LOCAL DPW STANDARDS.
14. WHENEVER ELECTRIC DUCT BANKS/CONDUITS MUST CROSS ANY UTILITY LINE SERVICE THE ELECTRIC DUCT BANKS/CONDUITS SHALL BE INSTALLED SO THAT THE BOTTOM OF THE ELECTRIC DUCT BANKS/CONDUITS ARE AT LEAST 12" ABOVE THE TOP OF THE UTILITY SERVICE. WHERE 12 INCH VERTICAL SEPARATION CAN NOT BE MET ABOVE THE TOP OF THE UTILITY SERVICE, THE ELECTRIC DUCT BANKS/CONDUITS SHALL BE RUN 12" BELOW THE BOTTOM OF THE UTILITY SERVICE.
15. CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE EXCAVATION AND BACKFILL SERVICES TO THE LOCAL GAS COMPANY FOR THE INSTALLATION OF NEW GAS SERVICE AND/OR THE THE REMOVAL OF EXISTING GAS SERVICES. COORDINATE ALL INSTALLATIONS AND REMOVAL OF GAS SERVICES WITH LOCAL GAS CO.
16. DRAIN PIPES LABELED (D.I.) SHALL BE DUCTILE IRON PIPE WITH FLANGED FITTINGS.
17. DRAIN MANHOLES #1, #2 & #3 SHALL BE EQUIPPED WITH A RODNEY HUNT OR EQUAL SLUICE GATE ON THE OUTLET SIDE OF THE MANHOLE. CONTRACTOR SHALL COORDINATE WITH RODNEY HUNT COMPANY FOR SIZE AND MOUNTING OF SLUICE GATES. SEE DETAILS #9 ON SHEET C-0.2.
18. CONTRACTOR SHALL PREPARE AND SUBMIT THE EPA NOTICE OF INTENT (N.O.I.) FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE EPA NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEMS (NPDES) GENERAL PERMIT. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PER THE REQUIREMENTS OF THE EPA GENERAL PERMIT. AT PROJECT COMPLETION CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE EPA.
19. IN THE EVENT THE CONTRACTOR IS TO INSTALL TOP COURSE OF PAVEMENT 60 OR MORE DAYS AFTER INSTALLATION OF BINDER COURSE, THE CONTRACTOR SHALL INSTALL ALL CATCH BASIN GRATES AND MANHOLE COVERS AT GRADE WITH BINDER COURSE AND SHALL BE RESPONSIBLE FOR RAISING STRUCTURES TO FINISHED GRADE.



X / C-0.1 DETAIL OF DEWATERING BAG
SCALE: N.T.S.

STORMWATER SYSTEM MAINTENANCE NOTES

THE DRAINAGE SYSTEMS ARE TO BE MAINTAINED AND MONITORED THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT THE CONTRACTOR SHALL DO A FULL MAINTENANCE OF THE STORMWATER SYSTEM AND SITE. UPON COMPLETION OF THE CONTRACTOR'S FINAL MAINTENANCE CLEAN UP, THE PROJECT MONITORING SHALL BE THE RESPONSIBILITY OF THE CARVER POLICE DEPARTMENT, HEREAFTER REFERRED TO AS THE OWNER. DURING CONSTRUCTION THE CONTRACTOR SHALL BE REQUIRED TO KEEP A WEEKLY LOG OF ALL EROSION CONTROL INSPECTIONS AND REQUIRED MAINTENANCE. THESE LOGS SHALL BE MADE AVAILABLE TO THE PLANNING BOARD, DPW, BOH, ARCHITECT & ENGINEER AT ALL TIMES.

UPON SUBSTANTIAL COMPLETION OF THE PROJECT. THE OWNER SHALL DESIGNATE A QUALIFIED PROFESSIONAL ENTITY OR INDIVIDUAL TO PERFORM ALL MONITORING. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE ENTITY OR INDIVIDUAL SHALL BE PROVIDED TO THE PLANNING BOARD, DPW & BOH. THE OWNER'S REPRESENTATIVE SHALL BE REQUIRED TO KEEP A LOG OF ALL REQUIRED INSPECTIONS AND MAINTENANCE REQUIRED. THE LOG SHALL BE MADE AVAILABLE TO THE PLANNING BOARD, DPW & BOH.

THE DRAINAGE SYSTEMS INCLUDE DEEP-SUMP CATCH BASINS, WATER QUALITY STRUCTURES AND SUBSURFACE INFILTRATION BEDS. THESE FACILITIES PROVIDE PARTIAL TREATMENT OF STORMWATER RUNOFF PRIOR TO DISCHARGE AND/OR INFILTRATION TO GROUNDWATER.

PRIOR TO THE COMMENCEMENT OF EARTHWORK ACTIVITIES, FURNISH ALL LABOR, EQUIPMENT AND TOOLS REQUIRED TO INSPECT AND CLEAN ALL EXISTING CATCH BASINS, DRAIN INLETS, DRAIN MANHOLES, OUTLETS AND INTERCONNECTING PIPE WITHIN THE LIMITS OF THE PROPERTY. FURNISH A REPORT OUTLINING INSPECTION AND CLEANING RESULTS TO THE THE ARCHITECT.

CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF CONTRACTOR)

1. SILT BARRIER:
   MONITOR SILT BARRIER ON A WEEKLY BASIS AND AFTER EVERY RAIN STORM. REPAIR ANY DAMAGED AREAS IMMEDIATELY. REMOVE AND DISPOSE OF ALL CAPTURED SEDIMENT.
2. PAVED AREAS:
   PARKING LOT, ROAD AND ALL ACCESS WAYS AND GUTTERS SHALL BE SWEPT CLEAN OF ALL DEBRIS. SWEEPING SHALL BE PERFORMED ON A WEEKLY BASIS.
3. CATCH BASINS AND DRAIN MANHOLES:
   ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM. SHOULD CATCH BASIN SUMPS BECOME FILLED WITH SEDIMENT TO HALF ITS DEPTH (2') OR (1') FOR DRAIN MANHOLES THEY SHALL BE CLEANED IMMEDIATELY.
4. WATER QUALITY INLETS:
   ALL WATER QUALITY INLETS SHALL BE INSTALLED AS DETAILS AND INSPECTED AFTER EVERY RAIN STORM. SHOULD STRUCTURE BECOME FILLED WITH SEDIMENT TO A DEPTH OF 10" WITHIN CHAMBER, THEY SHALL BE CLEANED IMMEDIATELY.
5. SUBSURFACE DETENTION/INFILTRATION BEDS:
   SUBSURFACE INFILTRATION BEDS SHALL BE INSPECTED AFTER EVERY RAIN STORM. CARE SHALL BE TAKEN TO PREVENT SILTATION OF THE BEDS AFTER INSTALLATION. PRETREATMENT BMP'S (CATCH BASINS AND WATER QUALITY STRUCTURES) MUST BE MAINTAINED AND CLEANED PER THE AFOREMENTIONED PROCEDURES TO ENSURE PROPER FUNCTIONING. BEDS SHALL BE MONITORED FOR ANY PONDING AND SEDIMENT/DEBRIS. SEDIMENT AND DEBRIS SHALL BE REMOVED BY A VAC-TRUCK.

DISPOSAL OF THE ACCUMULATED SEDIMENT MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.

POST CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF THE OWNER)

1. PAVED AREAS:
   PARKING LOT, ROAD AND ALL ACCESS WAYS AND GUTTERS SHALL BE SWEPT CLEAN OF ALL DEBRIS. SWEEPING SHALL BE PERFORMED TWCE ANNUALLY USING A MECHANICAL SWEEPER SCHEDULED IN SPRING AND FALL.
2. CATCH BASINS:
   ALL CATCH BASINS SHALL BE INSPECTED TO ENSURE THEY HAVE ADEQUATE SUMP CAPACITY, OIL/GREASE HOODS ARE IN PLACE, FRAMES AND GRATES ARE NOT DAMAGED. CATCH BASINS SHALL BE INSPECTED EVERY THREE MONTHS SCHEDULED IN SPRING, SUMMER, FALL AND WINTER AND AT THE END OF THE FOLIAGE AND SNOW REMOVAL SEASONS. CATCH BASIN SUMPS SHALL BE CLEANED ANNUALLY OR WHEN THE CATCH BASIN SUMPS BECOME FILLED WITH SEDIMENT TO HALF ITS DEPTH (2').
3. DRAIN MANHOLES:
   ALL DRAIN MANHOLES SHALL BE INSPECTED TO ENSURE COVERS AND GRATES ARE NOT DAMAGED AND ARE DRAINING FREELY ON A MONTHLY BASIS. MANHOLES SHALL BE CLEANED SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS.
4. WATER QUALITY INLETS:
   ALL WATER QUALITY STRUCTURES SHALL BE INSPECTED TO ENSURE MANHOLE FRAMES AND COVERS ARE NOT DAMAGED, AND UNIT IS DRAINING FREELY ON A MONTHLY BASIS. INSPECT UNIT IMMEDIATELY AFTER ANY FUEL, OIL OR CHEMICAL SPILL. CLEAN STRUCTURES SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS OR ONCE SEDIMENT DEPTH REACHES 15%, OR APPROXIMATELY 8", OF STORAGE CAPACITY.
5. SUBSURFACE DETENTION/INFILTRATION BEDS:
   SUBSURFACE INFILTRATION BEDS SHALL BE INSPECTED SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS, AND AFTER EVERY MAJOR STORM EVENT (1" OR GREATER RAINFALL OVER A 24 HOUR PERIOD). BEDS SHALL BE MONITORED FOR ANY PONDING AND SEDIMENTATION/DEBRIS. SEDIMENT AND DEBRIS SHALL BE REMOVED BY A VAC-TRUCK. AFTER THE MAJOR STORM EVENT THE SYSTEM SHALL BE MONITORED FOR A 72 HOUR PERIOD. IF SYSTEM FAILS TO DRAIN WITHIN A 72 HOUR PERIOD THE OWNER SHALL RETAIN A QUALIFIED PROFESSIONAL ENGINEER TO ASSESS WHETHER THE INFILTRATION BED HAS FAILED AND RECOMMEND ANY CORRECTIVE ACTION THAT IS REQUIRED.

DISPOSAL OF THE ACCUMULATED SEDIMENT MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS. IF ANY STRUCTURE OR OUTFALL INDICATES THE PRESENCE OF PETROLEUM IT SHALL BE REMOVED AND DISPOSED OF IMMEDIATELY IN ACCORDANCE WITH APPLICABLE REGULATIONS.

THE RESULTS OF THE INSPECTIONS, ALONG WITH THE DETERMINATION OF ANY REMEDIAL WORK THAT MAY BE FOUND TO BE NECESSARY AS A RESULT OF THE INSPECTION, SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION WITHIN (30) DAYS OF THE INSPECTION. PROVISIONS FOR INSPECTIONS AND ANY REMEDIAL REPAIRS DEEMED NECESSARY SHALL BE THE RESPONSIBILITY OF THE OWNER.

SITE OPERATIONAL PROCEDURES

OPERATION PROCEDURES DURING CONSTRUCTION SHALL BE BY THE CONTRACTOR AFTER PROJECT COMPLETION OPERATION PROCEDURES SHALL BE THE RESPONSIBILITY OF THE OWNER AND ARE AS FOLLOWS:

1. GOOD HOUSE KEEPING AND MATERIAL MANAGEMENT REDUCES THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE DEVELOPED BY THE CONTRACTOR WHICH SHALL INCLUDE THE FOLLOWING AT A MINIMUM:
   A. ALL MATERIALS STORED ON-SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
   B. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
   C. SUBSTANCES SHOULD NOT BE MIXED WITH ONE ANOTHER, UNLESS RECOMMENDED BY THE MANUFACTURER.
   D. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF A CONTAINER.
   E. THE SYSTEM'S MANAGER SHALL INSPECT THE SITE DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE, DURING ALL CONSTRUCTION PHASES
   F. ORIGINAL MATERIALS LABELS AND MATERIAL SAFETY DATA SHEETS SHALL BE KEPT; THEY RETAIN IMPORTANT INFORMATION.
   G. PETROLEUM PRODUCTS:
      1. ALL ON-SITE VEHICLES AND PARKING AREAS SHALL BE REGULARLY MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO PREVENT LEAKAGE
      2. PETROLEUM PRODUCTS SHALL BE STORED UNDER COVER AND SHALL BE IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
   H. FERTILIZERS:
      1. FERTILIZERS SHALL ONLY BE USED IN THE MINIMUM AMOUNTS AS RECOMMENDED BY THE MANUFACTURER.
      2. THE CONTENTS OF ANY UN-USED FERTILIZER SHALL BE TRANSFERRED TO A CLEARLY LABELED, SEALABLE PLASTIC BIN, TO AVOID SPILLAGE.
   I. PAINTS, SOLVENTS.
      1. ALL PAINTS AND SOLVENTS SHALL BE STORED IN ORIGINAL MANUFACTURER'S CONTAINERS IN A COVERED LOCATION.
      2. THE USE OF PAINTS AND SOLVENTS SHALL, WHENEVER POSSIBLE, BE LIMITED TO SERVICE OR STORAGE BAYS. WHERE NOT POSSIBLE, THE WORK AREA SHALL BE PROTECTED WITH IMPERMEABLE DROP CLOTHES OR TARPS. AT NO POINT SHALL PAINT AND SOLVENTS BE USED IN PARKING OR ACCESS WAYS THAT ARE TRIBUTARY TO THE DRAINAGE SYSTEM.
2. SPILL CONTROL PRACTICES:
   A. MANUFACTURER'S RECOMMENDED METHODS SHALL BE CLEARLY POSTED FOR SPILL CLEAN-UP AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF CLEAN-UP INFORMATION AND SUPPLIES.
   B. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEAN-UP WILL BE KEPT ON-SITE IN A DESIGNATED MATERIAL STORAGE AREA. EQUIPMENT WILL INCLUDE, BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, ABSORBENT MATERIALS, SAND, SAWDUST AND PLASTIC & METAL TRASH CONTAINERS SPECIFICALLY KEPT AND LABELED FOR THIS PURPOSE.
   C. ALL SPILLS WILL BE CLEANED-UP IMMEDIATELY AFTER DISCOVERY.
   D. SPILLS OF TOXIC OR HAZARDOUS MATERIAL OR NATURE WILL BE REPORTED TO THE APPROPRIATE STATE, LOCAL OR FEDERAL AGENCY, AS REQUIRED BY-LAW.
   E. THE SPILL PREVENTION PLAN WILL INCLUDE PROVISIONS TO ADAPT THE PLAN TO ENSURE THAT SPILLS WILL NOT REOCCUR, AND HOW TO CLEANUP THE SPILL IF THERE IS ANOTHER ONE.
3. SITE OPERATIONS AND DAILY USE SHALL CONSIDER THE ULTIMATE DISPOSITION OF STORMWATER AND OTHER SITE-GENERATED FORMS OF RUNOFF. THE WASHING OF VEHICLES SHALL BE LIMITED AREAS WITHIN THE BUILDING, AS THEY ARE SERVED BY THE FLOOR DRAIN SYSTEM. WASH WATER WITH ITS COMBINATION OF SOLVENTS, DETERGENTS AND OIL/GREASES SHOULD NOT BE ALLOWED TO ENTER ANY PART OF THE ON-SITE DRAINAGE SYSTEM.
4. SNOW PLOWING- SNOW PLOWING OPERATIONS SHALL STOCKPILE SNOW, ICE AND ACCUMULATED MATERIALS IN AREAS WHERE SNOW MELT WILL FLOW INTO THE ON-SITE DRAINAGE SYSTEMS, INCLUDING DRAINAGE BASINS. NO PLOWING OR STORAGE OF SNOW INTO WETLANDS OR BIO-RETENTION AREAS.
5. SALT USE SITE-WIDE SHALL BE APPLIED TO THE MINIMUM EXTENT POSSIBLE TO MAINTAIN SAFE CONDITIONS, AND ONLY IF NOT SPECIFICALLY EXCLUDED BY ANY SPECIAL CONDITIONS AS PART OF AN ORDER OF CONDITIONS ISSUED BY THE PLANNING BOARD.

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SUBMISSIONS & REVISIONS

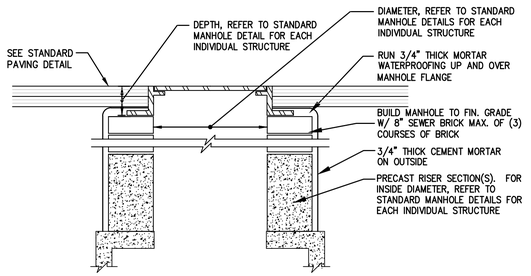
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE
DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

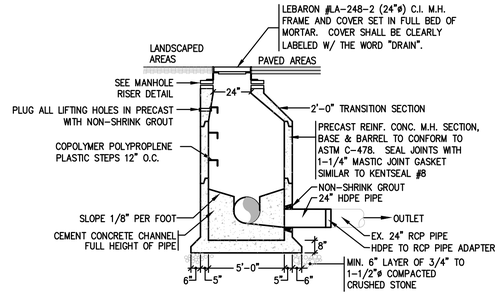
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SITE LEGEND, NOTES & DETAILS

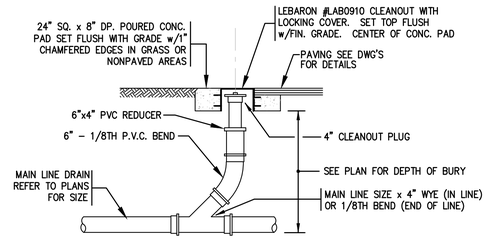
PROJ. NO. JH1830	DRAWING NO. C-0.1
SCALE As Noted	
DATE OCTOBER 2, 2019	



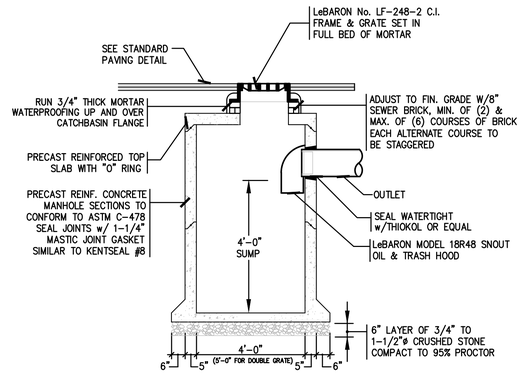
1 C-0.2 MANHOLE RISER DETAIL
N.T.S.



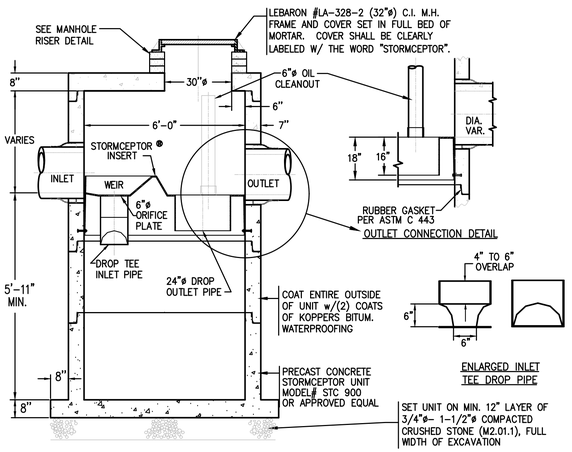
4 C-0.2 STANDARD DRAIN MANHOLE DETAIL
N.T.S.



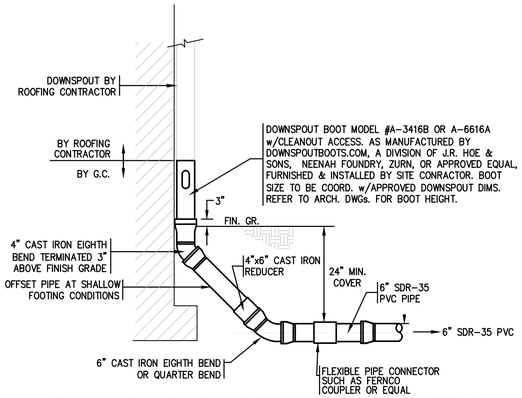
7 C-0.2 GROUND CLEANOUT DETAIL
N.T.S.



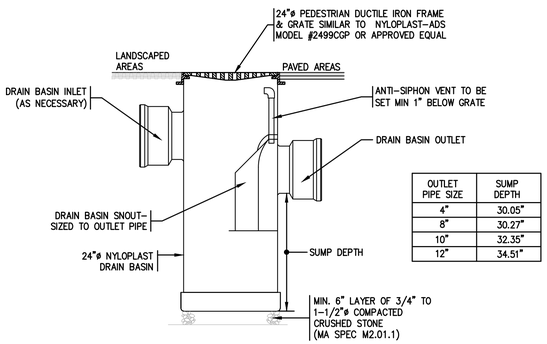
2 C-0.2 CATCH BASIN DETAIL
N.T.S.



5 C-0.2 WATER QUALITY INLET DETAIL
N.T.S.
NOTE:
1. ALTERNATE MANUFACTURERS SHALL INCLUDE CONTECH CDS, HYDROWORKS HYDROGUARD AND HYDRO INTERNATIONAL DOWNSTREAM DEFENDER.



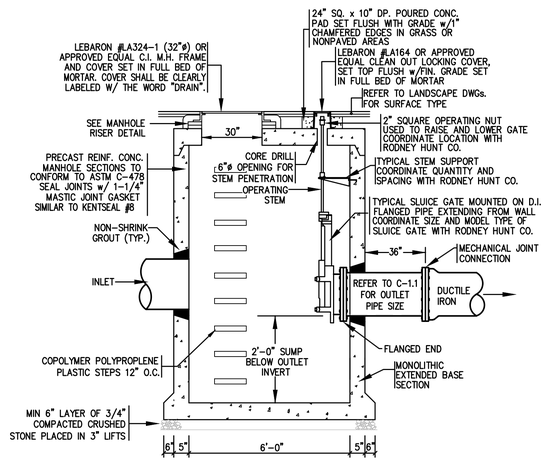
8 C-0.2 DOWNSPOUT CONNECTION AT GRADE DETAIL
N.T.S.
NOTE:
REFER TO DRAIN PIPE TRENCH SECTION DETAIL FOR PIPE BEDDING REQUIREMENTS



OUTLET PIPE SIZE	SUMP DEPTH
4"	30.05"
8"	30.27"
10"	32.35"
12"	34.51"

3 C-0.2 PLASTIC DRAIN INLET DETAIL
N.T.S.
NOTE:
1. ALTERNATE MANUFACTURERS SHALL INCLUDE HARCO AND ADS PIPE.
2. ALL GRATES SHALL BE PEDESTRIAN GRADE AND MEET THE REQUIREMENTS OF MAAB/ADA.
3. FURNISH & INSTALL SEDIMENT CONTROL BAGS IN ALL DRAIN INLET STRUCTURES. INSPECT & MAINTAIN ALL STRUCTURES ON A WEEKLY BASIS UNTIL SITE IS ENTIRELY STABILIZED.

6 C-0.2 NOT USED
N.T.S.



9 C-0.2 DRAIN MANHOLE WITH SLUICE GATE
N.T.S.

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SUBMISSIONS & REVISIONS		
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SITE DETAILS

PROJ. NO.	DRAWING NO.
JH1880	C-0.2
SCALE: As Noted	
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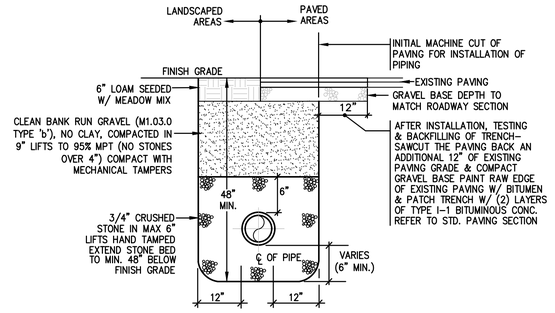
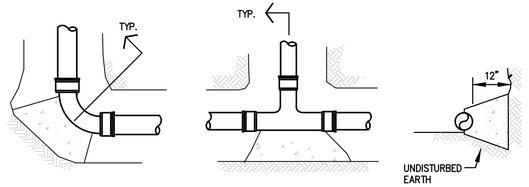


1 C–0.3 TYPICAL TRENCH SECTION FOR DRAINAGE & SEWER
N.T.S.



4 C–0.3 CONCRETE THRUST BLOCK DETAIL
N.T.S.

–CONCRETE SHALL BE 2500# TYPE BEARING ON UNDISTURBED EARTH
–CONCRETE SHALL NOT RUN INTO PIPE JOINTS
–ALL BLOCKS SHALL BE MIN. 1'–0" HIGH

TABLE OF BEARING AREAS (s.f.)						
SIZE OF MAIN (in.)	TEES & PLUGS	VALVES	BENDS			
			90°	45°	22–1/2°	11–1/4°
≤ 4"	2	1	2	1	1	1
6"	3	2	3	2	2	2
8"	4	3	5	3	2	2
≥ 10"	9	4	10	6	4	3

7 C–0.3 NOT USED
N.T.S.

2 C–0.3 TYP. TRENCH SECTION FOR WATER
N.T.S.

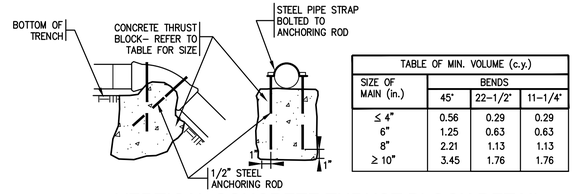
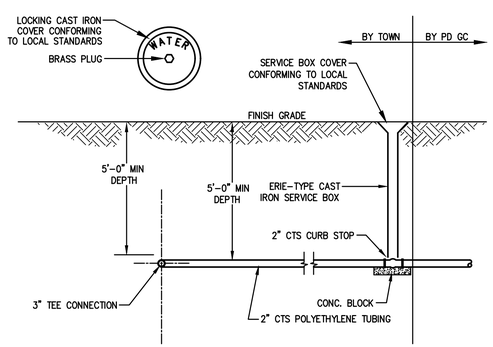


TABLE OF MIN. VOLUME (c.y.)			
SIZE OF MAIN (in.)	BENDS		
	45°	22–1/2°	11–1/4°
≤ 4"	0.56	0.29	0.29
6"	1.25	0.63	0.63
8"	2.21	1.13	1.13
≥ 10"	3.45	1.76	1.76

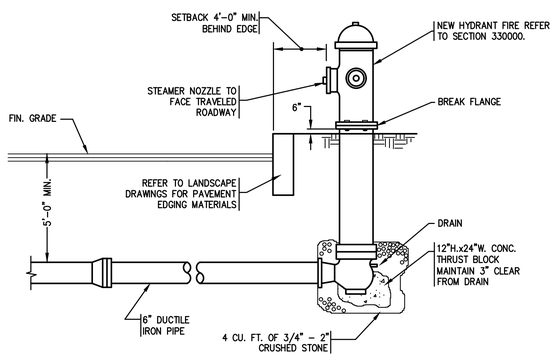
5 C–0.3 VERTICAL CONCRETE THRUST BLOCK DETAIL
N.T.S.

–CONCRETE SHALL BE 4,000 PSI TYPE BEARING ON UNDISTURBED EARTH
–CONCRETE SHALL NOT RUN INTO PIPE JOINTS
–6 MIL. PLASTIC TO BE PLACED BETWEEN THRUST BLOCK AND FITTINGS.
–THRUST BLOCK SHALL BE POURED AGAINST UNDISTURBED EARTH.

8 C–0.3 NOT USED
N.T.S.



3 C–0.3 DOMESTIC WATER SERVICE DETAIL
N.T.S.



6 C–0.3 FIRE HYDRANT DETAIL
N.T.S.

9 C–0.3 NOT USED
N.T.S.

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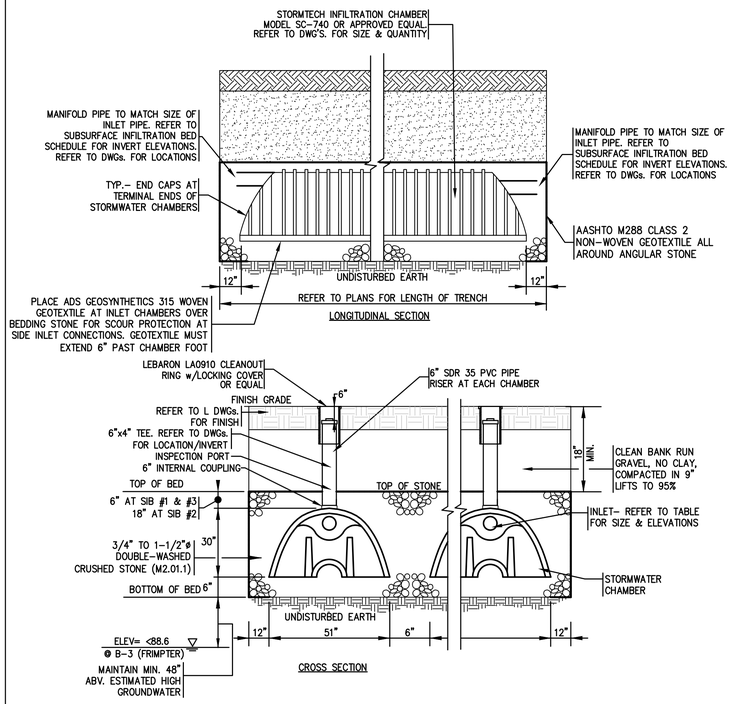
JH1880	C-0.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

SUBSURFACE INFILTRATION BED ELEVATIONS						
STRUCTURE #	MIN. FIN. GRADE	INV. IN ELEV.	INV. IN ELEV.	BOTTOM OF BED	BOTTOM OF CHAMBERS	TOP OF BED
SIB #1	100.6±	95.00 (12"-DMH#1)	———	93.00	93.50	96.60
SIB #2	101.0±	94.65 (12"-ALL)	93.48 (DS#13 & 14)	92.65	93.15	97.15
SIB #3	101.0±	97.50 (ALL)	———	95.00	95.50	98.50



1 C-0.4 SUBSURFACE INFILTRATION CHAMBER BED SYSTEM DETAIL

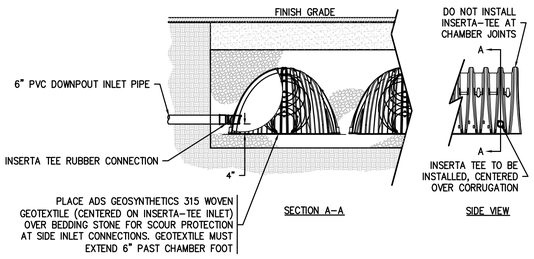
N.T.S.

NOTES:

1. REFER TO PLAN 1/C-1.1 FOR LOCATIONS OF INSPECTION PORTS. CONTRACTOR TO FURNISH ALL MATERIAL AND LABOR TO CONNECT 6" PVC INSPECTION RISERS TO CHAMBERS
2. REFER TO PLAN 1/C-1.1 FOR CHAMBER CONFIGURATIONS AND VOLUME REQUIREMENTS.

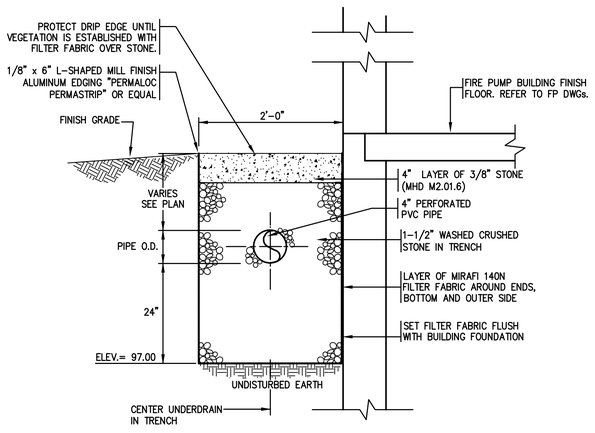
3 C-0.4 NOT USED

N.T.S.



2 C-0.4 INFILTRATION BED CHAMBER SIDE CONNECTION DETAIL

N.T.S.



4 C-0.4 PERIMETER DRIP EDGE DETAIL

N.T.S.

DOWNSPOUTS				
STRUCTURE #	FINISH GRADE	INV. OUT ELEV.	DOWNSPOUT DETAIL	REMARK
DS #1	101.50	97.77	8/C-0.2	N/A
DS #2	101.50	98.05	8/C-0.2	N/A
DS #3	101.50	98.25	8/C-0.2	N/A
DS #4	101.50	98.60	8/C-0.2	N/A
DS #5	102.16	98.35	8/C-0.2	N/A
DS #6	102.16	98.95	8/C-0.2	N/A
DS #7	101.95	98.67	8/C-0.2	N/A
DS #8	101.95	98.10	8/C-0.2	N/A
DS #9	102.00	98.41	8/C-0.2	N/A
DS #10	102.00	98.01	8/C-0.2	N/A
DS #11	102.00	98.46	8/C-0.2	N/A
DS #12	101.91	98.08	8/C-0.2	N/A
DS #13	101.91	98.40	8/C-0.2	N/A
DS #14	101.25	99.50	8/C-0.2	N/A
DS #15	102.00	99.00	8/C-0.2	N/A
DS #16	101.50	98.70	8/C-0.2	N/A
DS #17	101.50	98.50	8/C-0.2	N/A
DS #18	101.50	98.50	8/C-0.2	N/A
DS #19	101.50	98.50	8/C-0.2	N/A
DS #20	101.50	98.30	8/C-0.2	N/A
DS #21	101.50	98.60	8/C-0.2	N/A

CATCH BASINS/DRAIN INLETS					
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
CB #1	99.55	———	———	96.05 (WQS#1)	2/C-0.2
CB #2	100.75	———	———	97.25 (WQS#1)	2/C-0.2
CB #3	100.75	———	———	97.25 (WQS#2)	2/C-0.2
CB #4	101.25	———	———	97.75 (WQS#2)	2/C-0.2
CB #5	99.35	———	———	95.85 (WQS#3)	2/C-0.2
CB #6	98.35	———	———	94.85 (DMH#4)	2/C-0.2
CB #7	99.80	———	———	95.80 (DMH#5)	2/C-0.2
CB #8	99.95	———	———	95.50 (DMH#5)	2/C-0.2
DI #1	101.15	97.95 (ALL)	———	97.85 (SIB#3)	3/C-0.2

WATER QUALITY STRUCTURES				
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
WQS#1	101.03	95.55 (ALL)	95.30 (DMH#1)	5/C-0.2
WQS#2	101.50	96.68 (ALL)	96.43 (DMH#2)	5/C-0.2
WQS#3	101.25	95.27 (CB#5)	95.02 (DMH#3)	5/C-0.2

DRAIN MANHOLE SCHEDULE						
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
DMH #1	101.29	95.23 (WQS#1)	96.80 (DS#1-8)	———	95.13 (SIB#1)	9/C-0.2
DMH #2	101.61	96.40 (WQS#2)	———	———	95.30 (SIB#2)	9/C-0.2
DMH #3	101.74	94.82 (WQS#3)	———	———	94.72 (SIB#2)	9/C-0.2
DMH #4	99.10	94.65 (CB#1)	———	———	94.11 (EX. 24" RCP)	4/C-0.2
DMH #5	100.30	95.35 (ALL)	———	———	95.22 (EX. 12" RCP)	4/C-0.2

SUBSURFACE INFILTRATION BED ELEVATIONS						
STRUCTURE #	MIN. FIN. GRADE	INV. IN ELEV.	INV. IN ELEV.	BOTTOM OF BED	BOTTOM OF CHAMBERS	TOP OF BED
SIB #1	100.6±	95.00 (12"-DMH#1)	———	93.00	93.50	96.60
SIB #2	101.0±	94.65 (12"-ALL)	93.48 (DS#13 & 14)	92.65	93.15	97.15
SIB #3	101.0±	97.50 (ALL)	———	95.00	95.50	98.50

5 C-0.4 DRAINAGE & SEWER STRUCTURE ELEVATION SCHEDULE

SCALE: N.T.S.

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SITE DETAILS

PROJ. NO.	DRAWING NO.
JH1880	C-0.4
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

SEPTIC SYSTEM BASIS OF DESIGN

DAILY SEWAGE FLOW:

USE: 1. MUNICIPAL POLICE STATION
CONTRIBUTING BUILDING SQUARE FOOT AREA = 10,725 G.S.F.
DAILY DESIGN FLOW = 75 GPD/1,000 G.S.F.
DAILY FLOW = (10.725 x 75) = 805 GPD

2. OUTBUILDING
CONTRIBUTING BUILDING SQUARE FOOT AREA = 658 G.S.F.
DAILY DESIGN FLOW = 75 GPD/1,000 G.S.F.
DAILY FLOW = (0.658 x 75) = 50 GPD

TOTAL DESIGN DAILY FLOW = 805 + 50 = 855 GPD

* THE REMAINING 2,937 G.S.F. OF POLICE STATION & OUTBUILDING AREA CONSIST OF GARAGE, STORAGE, SALLYPORT AND MECHANICAL ROOM SPACE WHICH ALL CONTRIBUTE TO AN ON-SITE INDUSTRIAL WASTEWATER HOLDING TANK AND ARE NOT INCLUDED IN CONTRIBUTING AREAS TO THE TITLE 5 SEPITC SYSTEM. REFER TO PLUMBING DRAWINGS FOR DETAILS.

LEACHING REQUIREMENTS:

PERC. RATE: <2 MIN./IN.
CLASS I SOIL – LOADING RATE= 0.74 GPD/SF

LEACHING TRENCH CONFIGURATION – 50' LONG
2' DEEP
2' WIDE

SIDE AREA = (2) x 2' x 50 = 200 s.f.
200 s.f. x 0.74 = 148 GPD
BOTT. AREA = (1) x 2' x 50' = 100 s.f.
100 s.f. x 0.74 = 74 GPD
CAPACITY PER TRENCH= 222 GPD
USE 4 TRENCHES = 888 GPD > 855 GPD

SEPTIC TANK:

TWO COMPARTMENT SEPTIC TANK WITH 72 HOUR STORAGE CAPACITY
USE 3,000 GAL. SEPTIC TANK.

NITROGEN LOADING LIMITATIONS

SITE IS LOCATED WITHIN AN IWPA (PWS #4052061-01G)
TOTAL SITE AREA = 650,185 SF (14.9262 ACRES)
MAXIMUM DAILY ALLOWED DISCHARGE TO SAS = 440 GPD/ACRE x 14.9262 ACRES
MAXIMUM DAILY ALLOWED DISCHARGE TO SAS = 6,567 GPD > 855 GPD

SEPTIC SYSTEM GENERAL NOTES:

1. THE SANITARY SEWAGE DISPOSAL SYSTEM SHOWN SHALL BE INSTALLED IN ACCORDANCE WITH THE COMMONWEALTH OF MASSACHUSETTS STATE ENVIRONMENTAL CODE 310 CMR 15.00 (TITLE V) AND CARVER BOARD OF HEALTH REGULATIONS.
2. PRIOR TO START OF CONSTRUCTION, UNLESS SPECIFICALLY EXCUSED BY THE B.O.H. AGENT, THE SYSTEM INSTALLER SHALL MEET WITH THE B.O.H. AGENT FOR A PRE-CONSTRUCTION MEETING IN ORDER TO ESTABLISH THE PROCEDURES BY WHICH THE SYSTEM INSTALLER SHALL ASSURE THAT THE CONSTRUCTION COMPLIES WITH ALL OF THE REQUIREMENTS OF TITLE 5 & THE LOCAL B.O.H. REGS.
3. ANY MODIFICATION TO THE WORK SHALL BE APPROVED IN WRITING BY THE ARCHITECT/ENGINEER AND THE CARVER BOARD OF HEALTH PRIOR TO PERFORMANCE.
4. SOIL LOGS ARE INDICATIVE OF CONDITIONS ENCOUNTERED AT THE TIME & LOCATION OF TEST ONLY.
5. UNSUITABLE MATERIAL IN THE DISPOSAL AREA SHALL BE REMOVED & REPLACED WITH MATERIAL TO THE LIMITS SHOWN HEREIN. EXCAVATION & NEW MATERIAL SHALL BE APPROVED BY THE ENGINEER & CARVER BOARD OF HEALTH. FILL MATERIAL SHALL MEET THE GRADATION REQUIREMENTS OF 310 CMR 15.255(3).
6. STONE SHALL BE OF SIZES SHOWN, TRIPLE WASHED, AND HAVE LESS THAN 0.2% MATERIAL FINER THAN #200 SIEVE WHEN IN PLACE, & TESTED IN ACCORDANCE WITH A.A.S.H.T.O. #T-11 & T-27.
7. SEWER PIPING AND FITTINGS SHALL BE ASTM D-1785 AND D-2466 SCHEDULE 40 PVC. SOLVENT CEMENTED JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D-2564 .
8. SEPTIC TANK & PUMP CHAMBER SHALL BE H-20 DESIGN REINFORCED CONCRETE PRECAST MANUFACTURED BY ROTONDO PRECAST OR APPROVED EQUAL.
9. SYSTEM IS NOT DESIGNED FOR USE WITH GARBAGE GRINDER.
10. NOTIFY CARVER BOARD OF HEALTH AND ARCHITECT/ ENGINEER WHEN SYSTEM IS COMPLETED AND READY FOR INSPECTION PRIOR TO BACKFILL.
11. NO HEAVY CONSTRUCTION EQUIPMENT SHALL BE RUN OVER THE COMPONENTS OR THE PREPARED SEWAGE DISPOSAL SYSTEM. CONTRACTOR TO FURNISH AND INSTALL STAKED ORANGE SAFETY FENCING AROUND SYSTEM.
12. PRIOR TO ANY EXCAVATION, IN ADDITION TO "DIG SAFE", NOTIFY APPROPRIATE UTILITY COMPANY OR AUTHORITY TO VERIFY EXACT DEPTH AND LOCATIONS OF UNDERGROUND UTILITIES. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT PROTECT UTILITIES IN THE FILED WHETHER OR NOT SHOWN ON THE DRAWINGS.
13. IN THE COURSE OF INSTALLING THE LEACHING FACILITY, REMOVE ANY ABANDONED FOUNDATION, UTILITY STRUCTURES, ETC. ENCOUNTERED WHICH INTERFERE WITH THE LEACHING FACILITY. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND SHALL BE REPLACED WITH FILL MEETING TITLE V CRITERIA.
14. THE ENGINEER WILL INSPECT THE BOTTOM OF UNSUITABLE MATERIAL EXCAVATION AND THE INSTALLATION OF THE FIELD PRIOR TO BACKFILL. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE ENGINEER 72 HOURS PRIOR TO TIME OF EACH INSPECTION.

SEPTIC TANK TESTING NOTES:

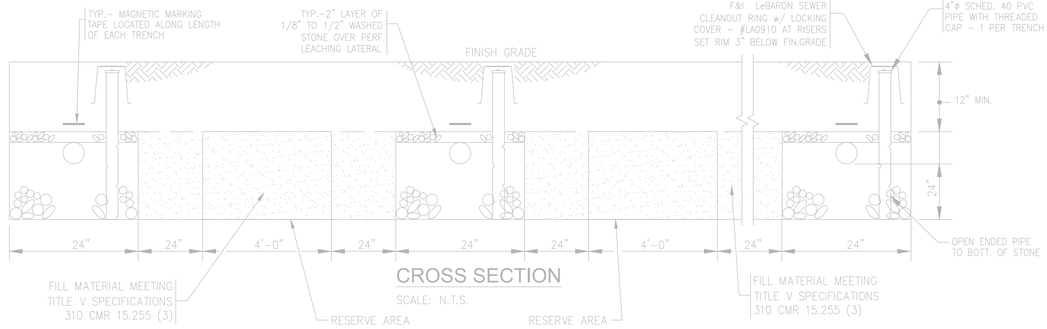
1. SEPTIC TANK SHALL BE TESTED FOR WATER TIGHTNESS AFTER INSTALLATION. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE DESIGN ENGINEER & CARVER HEALTH AGENT. TEST PROCEDURE SHALL CONSIST OF THE FOLLOWING:

a. CONTRACTOR SHALL PLUG INLET AND OUTLET OF SEPTIC TANK.

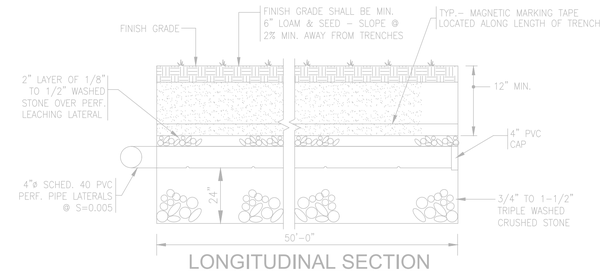
b. CONTRACTOR SHALL FILL SEPTIC TANK WITH WATER TO THE UNDERSIDE OF THE TOP SLAB. TANK SHALL REMAIN FILLED FOR A PERIOD OF 48 HOURS.

c. WATER LEVEL SHALL BE MEASURED AT THE END OF THE 48-HOUR PERIOD. WATER LEVEL IS INTENDED TO BE MAINTAINED WITHOUT ANY DROP.

d. THE DESIGN ENGINEER AND BOARD OF HEALTH AGENT SHALL MAKE DETERMINATION FOR THE NEED OF ANY FURTHER REMEDIAL WORK.



CROSS SECTION
SCALE: N.T.S.

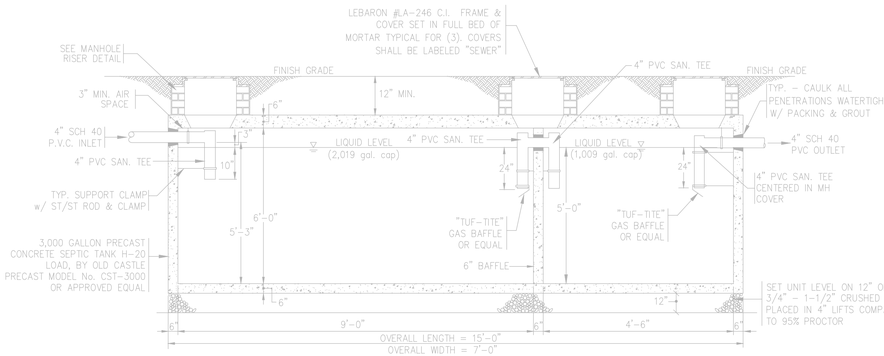


LONGITUDINAL SECTION
SCALE: N.T.S.

THE WORK SHOWN ON THIS DETAIL HAS BEEN OR WILL BE INSTALLED UNDER SEPARATE CONTRACT WITH THE OWNER AND IS SHOWN FOR INFORMATION/COORDINATION ONLY.

1 / C–0.5 LEACHING TRENCH CROSS SECTION

SCALE: N.T.S.
NOTE: REFER TO DRAWING C–1.1 FOR TOTAL NUMBER OF REQUIRED TRENCHES.



3 / C–0.5 SEPTIC TANK DETAIL (3,000 GAL. CAP.)

N.T.S.

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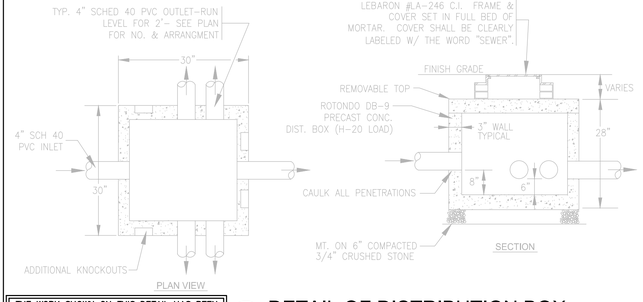
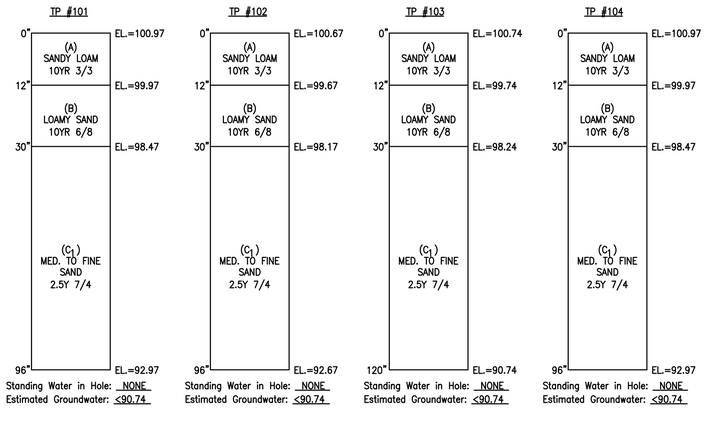


THE WORK SHOWN ON THIS DETAIL HAS BEEN OR WILL BE INSTALLED UNDER SEPARATE CONTRACT WITH THE OWNER AND IS SHOWN FOR INFORMATION/COORDINATION ONLY.

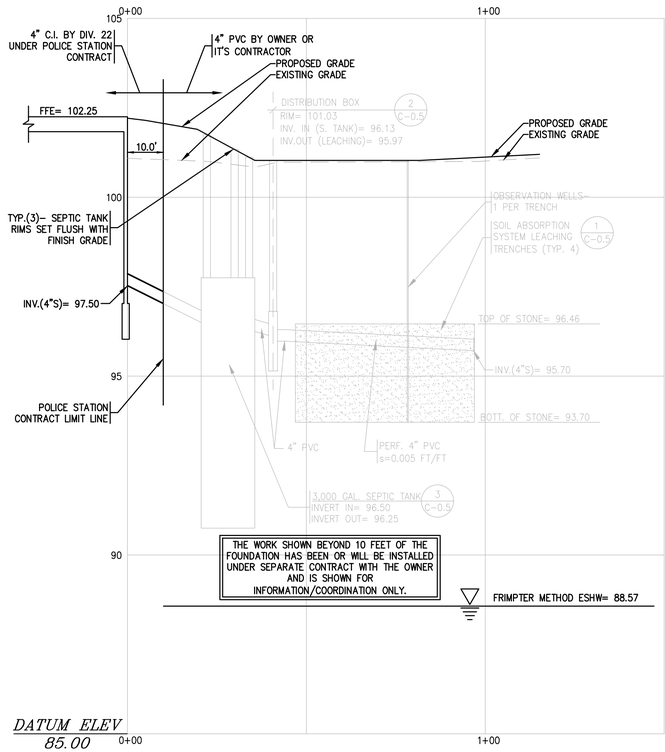
2 / C–0.5 DETAIL OF DISTRIBUTION BOX

N.T.S.



4 / C–0.5 SOILS LOG

NOTES:
1. TEST PITS #101 THROUGH #104 WERE PERFORMED ON JULY 26, 2019 BY STEVE REYNOLDS (SE#2029) & OBSERVED BY KEVIN FORGUE OF THE CARVER BOARD OF HEALTH..



5 / C–0.5 PROFILE OF SUBSURFACE SEPTIC DISPOSAL SYSTEM

HORIZONTAL SCALE: 1"= 20'
VERTICAL SCALE: 1"= 2'

FINISH FLOOR ELEVATION (MAIN BLDG)= 102.25	INV IN SEPTIC TANK = 96.50	BOT. OF TRENCH = 93.70
INV AT BUILD = 97.50	INV OUT SEPTIC TANK = 96.25	TOP OF TRENCH = 96.46
FIN. GR AT FOUND. = 102.21	INV IN D-BOX = 96.13	WATER = 88.57 (FRIMPTER)
	INV OUT D-BOX = 95.97	BEDROCK = T.B.D.

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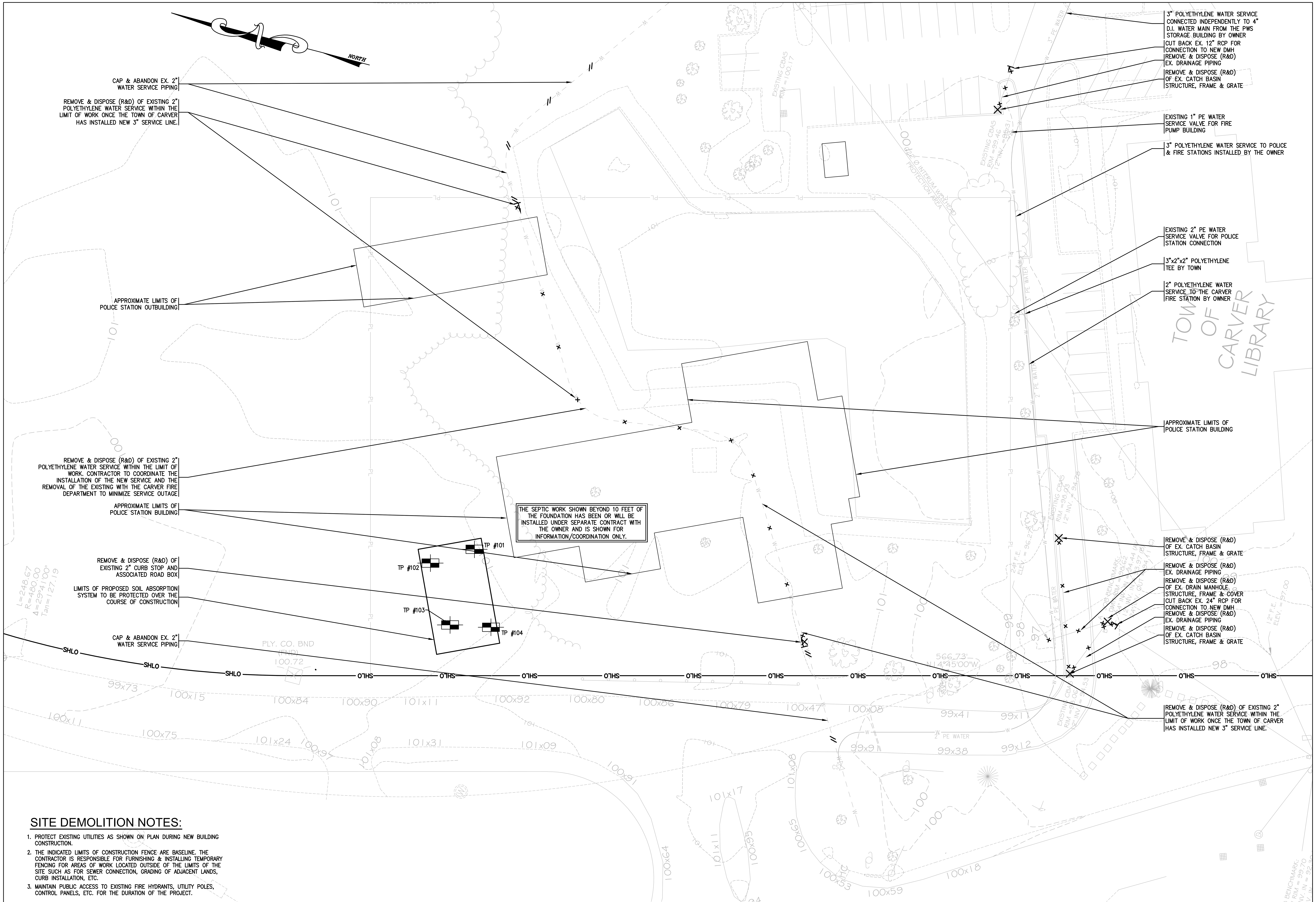
SITE SEPTIC NOTES & DETAILS

PROJ. NO. JH1880	DRAWING NO. C-0.5
SCALE As Noted	
DATE OCTOBER 2, 2019	


NORTH
CAP & ABANDON EX. 2" WATER SERVICE PIPING
REMOVE & DISPOSE (R&D) OF EXISTING 2" POLYETHYLENE WATER SERVICE WITHIN THE LIMIT OF WORK ONCE THE TOWN OF CARVER HAS INSTALLED NEW 3" SERVICE LINE.
APPROXIMATE LIMITS OF POLICE STATION OUTBUILDING
REMOVE & DISPOSE (R&D) OF EXISTING 2" POLYETHYLENE WATER SERVICE WITHIN THE LIMIT OF WORK. CONTRACTOR TO COORDINATE THE INSTALLATION OF THE NEW SERVICE AND THE REMOVAL OF THE EXISTING WITH THE CARVER FIRE DEPARTMENT TO MINIMIZE SERVICE OUTAGE
APPROXIMATE LIMITS OF POLICE STATION BUILDING
REMOVE & DISPOSE (R&D) OF EXISTING 2" CURB STOP AND ASSOCIATED ROAD BOX
LIMITS OF PROPOSED SOIL ABSORPTION SYSTEM TO BE PROTECTED OVER THE COURSE OF CONSTRUCTION
CAP & ABANDON EX. 2" WATER SERVICE PIPING
THE SEPTIC WORK SHOWN BEYOND 10 FEET OF THE FOUNDATION HAS BEEN OR WILL BE INSTALLED UNDER SEPARATE CONTRACT WITH THE OWNER AND IS SHOWN FOR INFORMATION/COORDINATION ONLY.
TP #101
TP #102
TP #103
TP #104
3" POLYETHYLENE WATER SERVICE CONNECTED INDEPENDENTLY TO 4" D.I. WATER MAIN FROM THE PWS STORAGE BUILDING BY OWNER
CUT BACK EX. 12" RCP FOR CONNECTION TO NEW DMH
REMOVE & DISPOSE (R&D) EX. DRAINAGE PIPING
REMOVE & DISPOSE (R&D) OF EX. CATCH BASIN STRUCTURE, FRAME & GRATE
EXISTING 1" PE WATER SERVICE VALVE FOR FIRE PUMP BUILDING
3" POLYETHYLENE WATER SERVICE TO POLICE & FIRE STATIONS INSTALLED BY THE OWNER
EXISTING 2" PE WATER SERVICE VALVE FOR POLICE STATION CONNECTION
3"x2"x2" POLYETHYLENE TEE BY TOWN
2" POLYETHYLENE WATER SERVICE TO THE CARVER FIRE STATION BY OWNER
TOWN OF CARVER LIBRARY
APPROXIMATE LIMITS OF POLICE STATION BUILDING
REMOVE & DISPOSE (R&D) OF EX. CATCH BASIN STRUCTURE, FRAME & GRATE
REMOVE & DISPOSE (R&D) EX. DRAINAGE PIPING
REMOVE & DISPOSE (R&D) OF EX. DRAIN MANHOLE STRUCTURE, FRAME & COVER
CUT BACK EX. 24" RCP FOR CONNECTION TO NEW DMH
REMOVE & DISPOSE (R&D) EX. DRAINAGE PIPING
REMOVE & DISPOSE (R&D) OF EX. CATCH BASIN STRUCTURE, FRAME & GRATE
REMOVE & DISPOSE (R&D) OF EXISTING 2" POLYETHYLENE WATER SERVICE WITHIN THE LIMIT OF WORK ONCE THE TOWN OF CARVER HAS INSTALLED NEW 3" SERVICE LINE.
PLY. CO. BND (FND)
SHLO
2" PE WATER

SITE DEMOLITION NOTES:

1. PROTECT EXISTING UTILITIES AS SHOWN ON PLAN DURING NEW BUILDING CONSTRUCTION.
2. THE INDICATED LIMITS OF CONSTRUCTION FENCE ARE BASELINE. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING & INSTALLING TEMPORARY FENCING FOR AREAS OF WORK LOCATED OUTSIDE OF THE LIMITS OF THE SITE SUCH AS FOR SEWER CONNECTION, GRADING OF ADJACENT LANDS, CURB INSTALLATION, ETC.
3. MAINTAIN PUBLIC ACCESS TO EXISTING FIRE HYDRANTS, UTILITY POLES, CONTROL PANELS, ETC. FOR THE DURATION OF THE PROJECT.

DEMO LEGEND

Symbol	Description
×	REMOVE & DISPOSE
R&D	REMOVE & DISPOSE
—//—//—//—	ABANDON EXIST'G. UTILITY IN PLACE
—×—×—×—	REMOVE & DISPOSE OF EXIST'G. UTILITY

1 / C-1.0 SITE UTILITY DEMOLITION PLAN
SCALE: 1"=20'

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GARCIA•GALUSKA•DESOUSA
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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SITE UTLITY DEMOLITION PLAN

PROJ. NO. JH1830
SCALE As Noted
DATE OCTOBER 2, 2019
DRAWING NO. C-1.0

NORTH

FIRE PROTECTION PUMP BUILDING, WET WELL, AND PIPING BY DIV. 21. EXCAVATION, INSTALLATION & BACKFILL OF 11.67'x11.67' PRECAST WET WELL BY DIV. 31. BOTTOM OF EXCAVATION: ELEV.= 79.5±

(4 / C-0.4) PERIMETER DRIP EDGE TRENCH #1

ANTENNA & FOUNDATION BY OTHERS
EMERGENCY GENERATOR BY DIV. 26. CONCRETE PAD BY DIV. 32

POLICE DEPARTMENT OUTBUILDING:
BASE BID: FOUNDATION & SLAB. UTILITIES STUBBED UP THROUGH SLAB
ALTERNATE #1: FRAMING & BUILDOUT

5,000 GAL. GARAGE WASTE HOLDING TANK, PIPING & CONNECTIONS BY DIVISION 22. EXCAVATION & BACKFILL BY DIV. 31.

TYP.(6)– INSPECTION ACCESS RISERS. REFER TO SIB DETAIL

(1 / C-0.4) SUBSURFACE INFILTRATION BED (SIB) #1
31.0'(W) x 55.7'(L) FOOTPRINT
42 CHAMBERS
VOLUME= 3,480 CUBIC FEET

1" TYPE-K COPPER WATER PIPE TO OUTBUILDING BY DIV. 22. INSTALL DRAIN-BACK CURB STOP AS SHOWN. CAP PIPE 6" ABOVE SLAB ELEVATION. EXCAVATION & BACKFILL BY DIV. 31

12" HDPE MANIFOLD

(9 / C-0.2) TYP.– DRAIN MANHOLE WITH EMERGENCY ISOLATION SLUICE GATE

(3 / C-0.5) 3,000 GALLON PRECAST CONCRETE SEPTIC TANK TO BE FURNISHED & INSTALLED BY THE OWNER

6" PVC PIPE

(2 / C-0.5) PRECAST CONCRETE DISTRIBUTION BOX TO BE FURNISHED & INSTALLED BY THE OWNER

TYP.–SEPTIC LEACHING FIELD RESERVE AREA

(1 / C-0.5) TYP.(4)–SEPTIC LEACHING TRENCHES TO BE FURNISHED & INSTALLED BY THE OWNER

RECORD LOCATION OF ABUTTER'S WELL. COULD NOT BE LOCATED IN THE FIELD

3" POLYETHYLENE WATER SERVICE CONNECTED INDEPENDENTLY TO 4" D.I. WATER MAIN FROM THE PWS STORAGE BUILDING BY OWNER

FIRE HYDRANT (6 / C-0.3)

30,000 GAL., 10'ø, FIRE PROTECTION CISTERN, PIPING & CONNECTIONS BY DIV. 21. EXCAVATION & BACKFILL BY DIV. 31. BOTTOM OF EXCAVATION: ELEV.= 84.5±

GC TO CONNECT NEW 1" POLYETHYLENE (PE) WATER SERVICE TO EXISTING 1" POLYETHYLENE WATER SERVICE STUB AND INSTALL TO PUMP BUILDING

3" POLYETHYLENE WATER SERVICE TO POLICE & FIRE STATIONS INSTALLED BY THE OWNER

SUBSURFACE INFILTRATION BED (SIB) #2
48.0'(W) x 77.0'(L) FOOTPRINT (1 / C-0.4)
70 CHAMBERS
VOLUME= 7,118 CUBIC FEET

TYP.(10)– INSPECTION ACCESS RISERS. REFER TO SIB DETAIL

UNDERGROUND SECONDARY ELECTRICAL DUCTBANK REFER TO ELEC. DWGs.

PAD–MOUNTED ELECTRICAL TRANSFORMER. REFER TO ELEC. DWGs.

GC TO CONNECT NEW 2" POLYETHYLENE (PE) WATER SERVICE TO EXISTING 2" PE WATER SERVICE VALVE AND INSTALL SERVICE TO NEW BUILDING

3"x2"x2" POLYETHYLENE TEE BY TOWN

2" POLYETHYLENE WATER SERVICE TO THE CARVER FIRE STATION BY OWNER

TYP.– SITE LIGHT POLE. REFER TO ELEC. DWGs.

(SUBSURFACE INFILTRATION BED (SIB) #3
21.50'(W) x 48.55'(L) FOOTPRINT (1 / C-0.4)
24 CHAMBERS
VOLUME= 2,086 CUBIC FEET

TYP.(6)– INSPECTION ACCESS RISERS. REFER TO SIB DETAIL

UNDERGROUND COMMUNICATIONS DUCTBANK REFER TO ELEC. DWGs.

UNDERGROUND PRIMARY ELECTRICAL DUCTBANK REFER TO ELEC. DWGs.

INSTALL NEW PRECAST CONCRETE DRAIN MANHOLE. CONNECT TO EX. 24" RCP OUTLET PIPE

24" RCP

12" HDPE

TYP.(2)– NEW UTILITY POLES BY UTILITY COMPANY. REFER TO ELEC. DWGs.

THE SEPTIC WORK SHOWN BEYOND 10 FEET OF THE FOUNDATION HAS BEEN OR WILL BE INSTALLED UNDER SEPARATE CONTRACT WITH THE OWNER AND IS SHOWN FOR INFORMATION/COORDINATION ONLY.

CONNECT 4" PVC OVERFLOW TO 6" PVC INSPECTION RISER. INV.(4")= 98.00

CONNECT DS TO CHAMBER LOW WITH INSERTA-TEE FITTING INV.(6")= 93.48 (2 / C-0.4)

LIBRARY

TOWN OF CARVER LIBRARY

CENTER STREET

SITE DRAINAGE & SEWER STRUCTURE NOTES:

1. REFER TO THE DRAINAGE & SEWER STRUCTURE ELEVATION SCHEDULE ON DRAWING C-0.4 FOR APPLICABLE DETAIL TO EACH SPECIFIC DRAINAGE & SEWER STRUCTURE.

(1 / C-1.1) SITE UTILITY PLAN
SCALE: 1"=20'

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/14	BIDDING RELEASE

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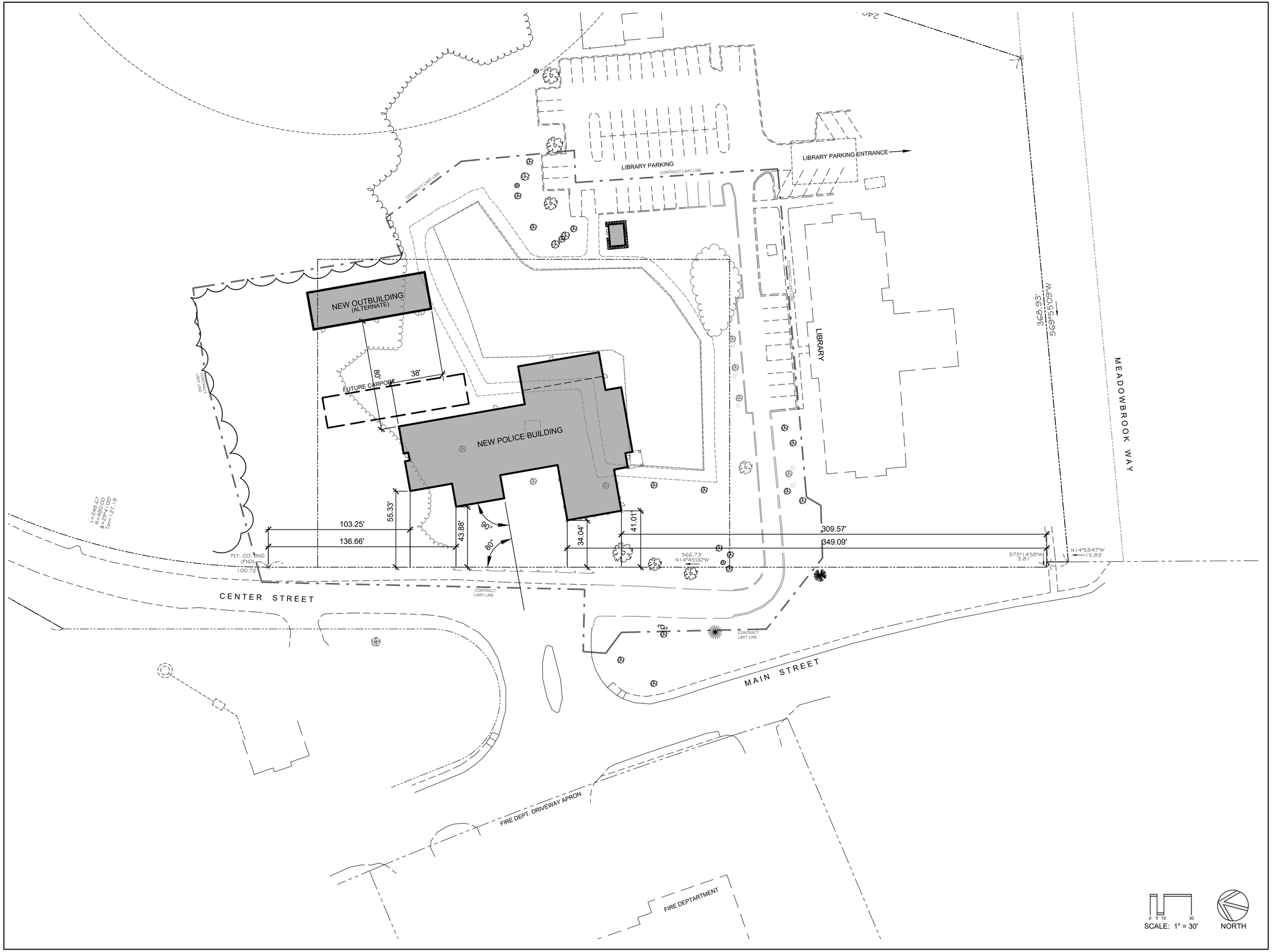
NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET
CARVER, MASSACHUSETTS

SITE UTLITY PLAN

PROJ. NO.	DRAWING NO.
JH1830	C-1.1
SCALE: As Noted	
DATE: OCTOBER 2, 2014	



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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET CARVER, MASSACHUSETTS

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OVERALL SITE PLAN AND BUILDING LOCATION

PROJ. NO.	DRAWING NO.
JH1830	L-1.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

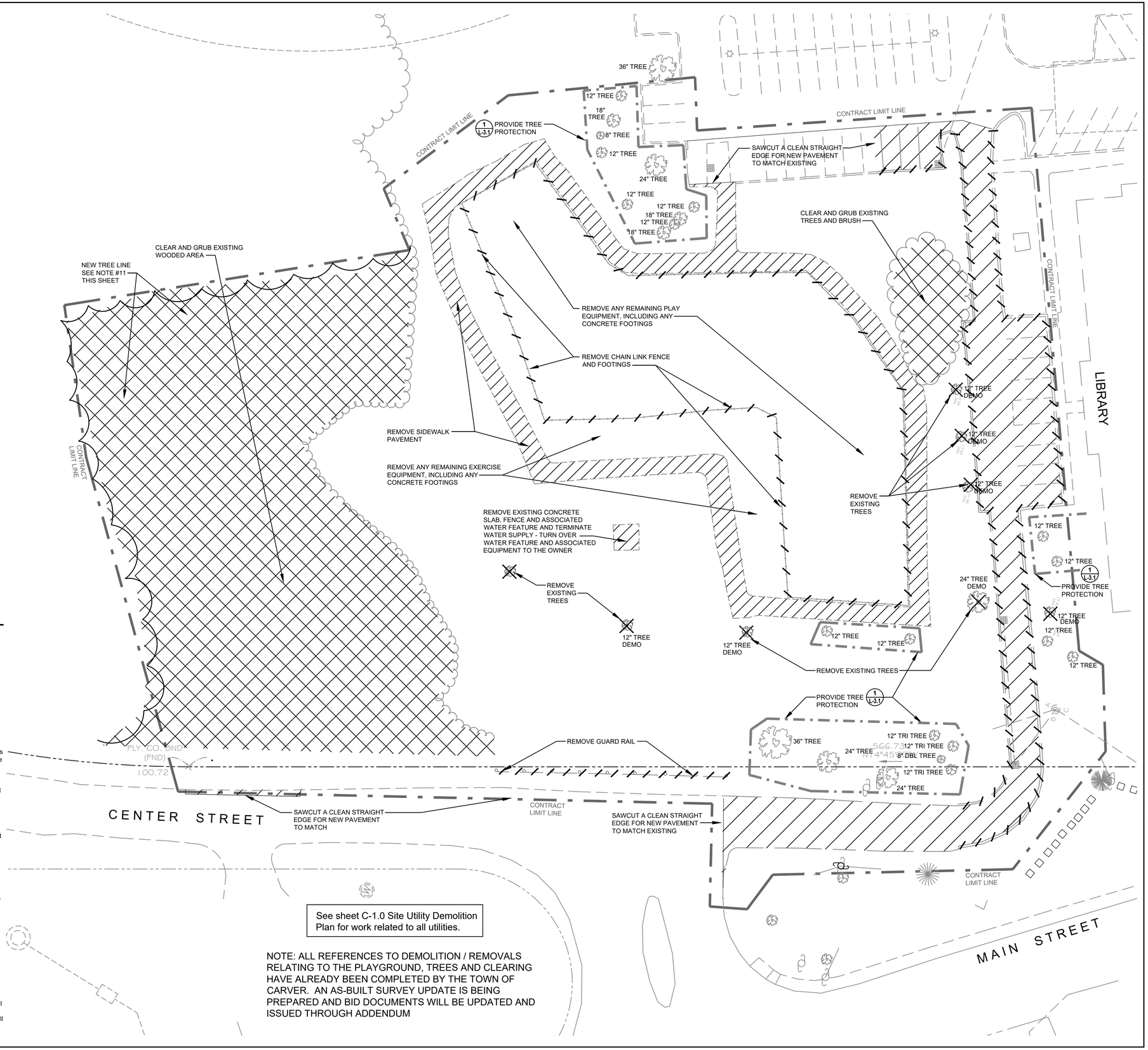
LEGEND

EXISTING / TO BE REMOVED

- BUILDING
- PROPERTY LINE
- CONTRACT LIMIT LINE
- IRON PIPE OR ROD FOUND
- GAS VALVE
- UTILITY POLE
- LIGHT POLE
- SIGN
- WATER SUPPLY WELL
- FENCE
- STONE WALL
- OVERHEAD WIRES
- UNDERGROUND ELECTRIC
- TELEPHONE LINES
- WATER SERVICE
- GAS SERVICE
- STORM DRAIN
- DRAIN MANHOLE
- CATCH BASIN
- CONTOURS
- SPOT ELEVATION
- DETAIL LOCATOR TOP=DETAIL #, BOTTOM=SHEET #
- TREE LINE TO BE REMOVED
- CURB
- CURB TO BE REMOVED
- REMOVE PAVEMENT
- TREE
- TREE TO BE REMOVED
- REMOVE TREES

NOTES

1. Existing survey information obtained from the following source and CAD files of the same:
   "Existing Conditions" Plan of Land of #2 Meadowbrook Way in Carver, MA dated January 15, 2019 (CAD file Police_Station_detail.dwg) as prepared by Arthur F. Borden & Associates, Inc., Carver, MA
2. Existing utility information is based on available information and records as shown on the survey. Locations are approximate and all utilities may not be shown on the survey or these site plans. It is the General Contractor's responsibility to have all utility locations marked on the ground prior to the start of any construction activities whether on public or private property. In Massachusetts use the Dig Safe at 811 (1-888-344-7233), https://www.call811.com or https://www.mass.gov/dig-safe. The General Contractor is also responsible for the costs of any private utility locator company that may be necessary.
3. All utilities, existing and/or proposed, may not be shown on these plans. Refer to additional drawings for storm drainage, septic, water, electrical, communication, gas and other utility information; their locations. if shown on these plans is for reference and coordination only. The General Contractor is responsible for the coordination of all utilities within the contract limits.
4. The Contractor shall install all necessary erosion control measures prior to the start of construction activity. See specific requirements on the Erosion And Sedimentation Control Plan, Sheet #L-1.5 and the specification.
5. The Contract Limit Line is the property line unless otherwise shown.
6. Work within the Town of Carver right-of-way shall be in accordance with the current town standards. The Contractor shall be responsible for all permitting, fees and inspections as required by the municipality.
7. Work within the Commonwealth of Massachusetts right-of-way shall be in accordance with the current state standards. The Contractor shall be responsible for all permitting, fees and inspections as required by the municipality.
8. The Contractor is required to maintain, or permanently move as may be necessary, existing benchmarks within the area of work. See the specification for detailed requirements.
9. Where existing pavement and/or curb is to be removed for the installation of new utilities, saw-cut a clean straight edge (remove to nearest joint if concrete), install utilities, and replace pavement and/or curb to match cross-section and type. Limits of existing pavements and curbs to remain shall be neatly saw-cut to provide a clean joint or finished edge.
10. Removal of site improvements shall include all footings and subsurface elements related to the items designated for removal, except where indicated otherwise. Removal of trees and shrubs shall include clearing and grubbing of stumps.
11. Limits of clearing of trees and new proposed tree line shown on the plans is general in nature. The Contractor is required to mark his proposed limits of clearing for review by the Architect / Owner prior to the start of any removals. Adjustments shall be made to save or remove any trees along the limit that, in the opinion of the Architect, shall be saved or shall be removed.



See sheet C-1.0 Site Utility Demolition Plan for work related to all utilities.

NOTE: ALL REFERENCES TO DEMOLITION / REMOVALS RELATING TO THE PLAYGROUND, TREES AND CLEARING HAVE ALREADY BEEN COMPLETED BY THE TOWN OF CARVER. AN AS-BUILT SURVEY UPDATE IS BEING PREPARED AND BID DOCUMENTS WILL BE UPDATED AND ISSUED THROUGH ADDENDUM

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET — CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SITE DEMOLITION PLAN

PROJ. NO. JH1830	DRAWING NO. L-1.1
SCALE As Noted	
DATE OCTOBER 2, 2019	

LEGEND

EXISTING		PROPOSED
	BUILDING	
	PROPERTY LINE	
	CONTRACT LIMIT LINE	
	IRON PIPE OR ROD FOUND	
GV	GAS VALVE	
	UTILITY POLE	
	LIGHT POLE	
	SIGN	
	BOLLARD	
W	WATER SUPPLY WELL	
X X	FENCE	
	STONE WALL	
D	DRAIN MANHOLE	D
	CATCH BASIN	
	STORM DRAIN STRUCTURE	
S	SANITARY MANHOLE	S
	SEPTIC TANK COVER	
# L-X	DETAIL LOCATOR TOP=DETAIL #, BOTTOM-SHEET #	# L-X
	TREE LINE	
	TREE	
	CURB	
	ROAD PAVEMENT	
	CONCRETE PAVEMENT	
	GRAVEL SURFACE	
	MOW STRIP	

NOTES

1. Do not scale the drawings. Use the dimensions shown. If CAD files are provided, it is done so as a convenience to the Contractor; the printed plans govern. The Contractor shall verify existing conditions and dimensions in the field prior to the start of work. Once work commences, he shall be held responsible for any discrepancies. If there are discrepancies or questions, contact the Architect prior to the start of work.
2. All dimensions are to the nearest foot and all angles are 90°, unless otherwise noted. All radii are 5 feet, unless otherwise noted. Dimensions are to the face of curb or foundation and to the centerlines of pavement markings, fencing, doors and light poles, except where otherwise noted.
4. New pavement and curb shall meet the line and grade of existing pavement and curb, unless shown otherwise.
5. Where new bituminous pavement and/or curb abuts existing bituminous material, apply tack coat to the entire saw-cut edge immediately prior to placing the new material. Tack coat is required prior to the placement of bituminous curbing. Tack coat is required between successive courses of pavement if in place for more than five (5) days.
6. Where new concrete pavement or curb meets existing concrete pavement, curb, walls, foundations etc., provide dowels and expansion joint material. Dowels are also required between successive pours of new concrete and where abutting new concrete curbs, walls, foundations, etc. See details and the specification.
7. Concrete scoring and expansion joint layout, patterns and requirements are shown on the Site Planting And Scoring Plan, Sheet #L-1.4.
8. Spacing shown on these plans for fencing and guide rail posts is graphic only and does not indicate actual number(s) or locations of posts and/or footings. Refer to the detail(s) and specification for post spacing requirements.
9. The General Contractor shall coordinate the work shown on these site drawings with the work involved with all other disciplines.
10. See Electrical Plans for work related to site lighting. New site lighting locations shown here is for coordination purposes only. In general, new site light poles shall be no closer than 2 feet from the edge of any walk and no closer than 5 feet from the face of any curb.
11. All gates shall be provided with latching devices which meet all current applicable State and Federal A.D.A. requirements. In general, a compliant latching device is one capable of operation with one hand and shall not require tight grasping, tight pinching or twisting of the wrist to operate. See the specification.

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NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

CARVER, MASSACHUSETTS

3 CENTER STREET

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SITE LAYOUT PLAN

PROJ. NO.	DRAWING NO.
JH1880	L-1.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

SCALE: 1" = 20'

LEGEND

EXISTING		PROPOSED
	BUILDING	
	PROPERTY LINE	
	CONTRACT LIMIT LINE	
	IRON PIPE OR ROD FOUND	
GV	GAS VALVE	
	UTILITY POLE	
	LIGHT POLE	
	SIGN	
	BOLLARD	
W	WATER SUPPLY WELL	
X X	FENCE	
	STONE WALL	
D	DRAIN MANHOLE	D
	CATCH BASIN	
	STORM DRAIN STRUCTURE	
S	SANITARY MANHOLE	S
	SEPTIC TANK COVER	
# L-X	DETAIL LOCATOR TOP=DETAIL #, BOTTOM-SHEET #	# L-X
	TREE LINE	
	TREE	
	CURB	
	ROAD PAVEMENT	
	CONCRETE PAVEMENT	
	GRAVEL SURFACE	
	MOW STRIP	

NOTES

1. New pavement and curb shall meet line and grade of existing pavements and curb, unless otherwise noted. Provide a clean, straight saw-cut edge where they meet. Blend proposed grades into exiting grades smoothly and neatly.
2. All proposed walks and pads shall be cross-pitched at 1/4" per foot (2%) maximum, unless otherwise noted.
3. All site walks along designated "Accessible Routes" shall have a maximum slope of 1:20 with a maximum cross-slope of 1:50. Ramps shall have a maximum slope of 1:12 with a maximum cross-slope of 1:50. (See details for additional ramp requirements, i.e. rails, curbs, rise/distance limitations, etc.) All "Accessible Routes" shall meet all current applicable State and Federal A.D.A. requirements.
4. See Site Planting Plan, sheet L-1.4, for extent and required depth and width of new topsoil and proposed planting beds and amended soil.

NEW OUTBUILDING (ALTERNATE) F.F. ELEV. = 102.20

NEW POLICE BUILDING F.F. ELEV. = 102.25

FUTURE CARPORT

FIRE PUMP BLDG. FF=101.25

NEW WATER TANK

SUCTION, FILL & VENT

RADIO TOWER

GEN.

NEW STORMWATER INFILTRATION

NEW SEPTIC FIELD

HVAC PAD LOCATION

DETAILED LAYOUT REAR LOT H.C. SPACES 2 L-2.0

DETAILED LAYOUT REAR ACCESSIBLE ENTRANCE 3 L-2.0

DETAILED LAYOUT PUBLIC H.C. SPACES 1 L-2.0

MEET GRADE OF EXISTING PAV'T

CONTRACT LIMIT LINE

CENTER STREET

MAIN STREET

LIBRARY

SCALE: 1" = 20'

NORTH

LINDEN LANDSCAPE ARCHITECTS LLC
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SUBMISSIONS & REVISIONS

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	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET

CARVER, MASSACHUSETTS

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SITE GRADING PLAN

PROJ. NO.	DRAWING NO.
JH1880	L-1.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

LEGEND

EXISTING		PROPOSED
	BUILDING	
	PROPERTY LINE	
	CONTRACT LIMIT LINE	
	IRON PIPE OR ROD FOUND	
GV	GAS VALVE	
	UTILITY POLE	
	LIGHT POLE	
	SIGN	
	BOLLARD	
W	WATER SUPPLY WELL	
X X	FENCE	
	STONE WALL	
D	DRAIN MANHOLE	D
	CATCH BASIN	
	STORM DRAIN STRUCTURE	
S	SANITARY MANHOLE	S
	SEPTIC TANK COVER	
	DETAIL LOCATOR TOP=DETAIL #, BOTTOM=SHEET #	# / L-X
	TREE LINE	
	CURB	
	ROAD PAVEMENT	
	CONCRETE PAVEMENT	
	GRAVEL SURFACE	
	MOW STRIP	
	SEEDED LAWN	
0 / PP	PLANT IDENTIFIER TOP=QUANTITY, BOTTOM=PLANT ID	
3	TREE	+
	SHRUB	

NOTES

1. If a discrepancy exists between the number of plants shown by symbol on the plan and the quantity noted in the plant list, the quantity shown by symbol on the plan shall govern.

2. The Landscape Architect reserves the right to inspect and approve all plant materials at its source prior to delivery to the site. Provide minimum one week notice prior to expected delivery date for inspection.

3. The following are the acceptable planting season dates:

Deciduous Materials	March 15 - June 1	and	Sept. 1 - Nov. 1
Evergreen Materials	March 15 - May 15	and	Sept. 1 - Nov. 1
Seeding	March 15 - June 1	and	Aug. 15 - Oct. 15
Sodding	March 1 - June 1	and	Sept. 15 - Dec. 1

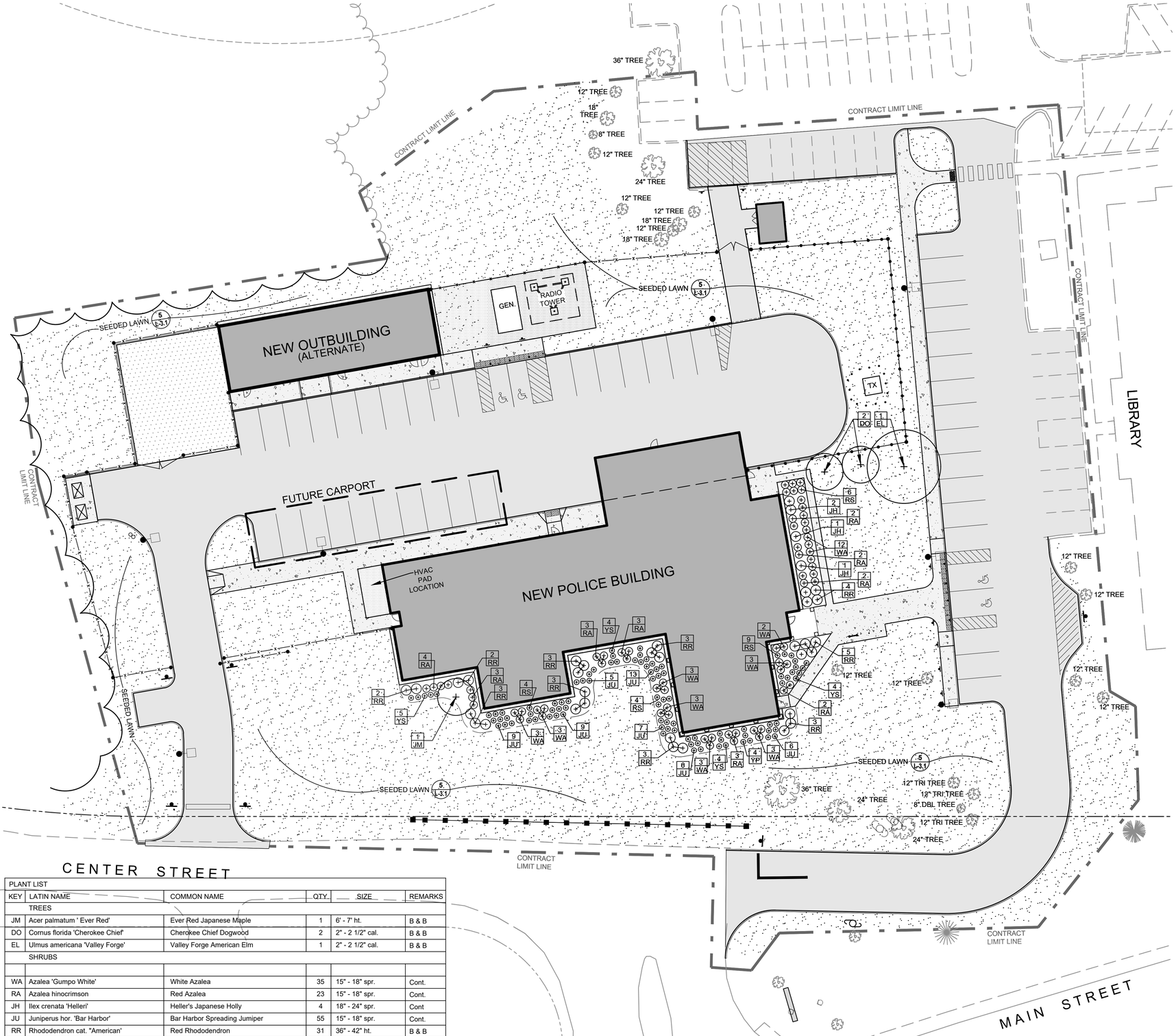
Proceed with planting only when current and forecasted conditions are favorable for types of materials to be installed. Planting out of season must be requested in writing. If allowed, the Contractor is still responsible for all specified maintenance and care and any additional needs necessary for plant survival.

4. Plant locations may be adjusted in the field to meet as-built site conditions. No tree shall be planted within eight (8) feet of any new or existing underground utility. Major adjustments in location must be approved by the Landscape Architect.

5. The Contractor shall provide a clean spade edge at all planting beds and mulched areas within lawn areas unless otherwise noted to receive edging. Provide a clean spade edge at the perimeter of all planting beds, tree pits and adjacent lawn areas. Spade edge of planting beds, and mulched areas is recommended immediately prior to final inspection.

6. All areas within the contract limits and/or seeding limits as shown shall be topsoiled and seeded to lawn. The General Contractor shall responsible for any areas outside of these limits which may have been disturbed by any construction activities. These areas shall have the subsoil loosened, additional topsoil supplied, fine graded and seeded to lawn and then maintained as detailed and specified.

7. Shredded pine bark mulch shall be provided for all plant beds as detailed and specified. Trees shall be mulched as detailed but care should be taken not to mound mulch. If weed barrier fabric is required, it shall be placed in shrub beds but not around trees or in groundcover/perennial beds. Mulch shall be installed at a depth of four (4) inches with an additional two (2) inches installed just prior to final inspection of the entire project if plantings are completed more than one month prior.



SCALE: 1" = 20'

NORTH

PLANT LIST					
KEY	LATIN NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
JM	Acer palmatum ' Ever Red'	Ever Red Japanese Maple	1	6' - 7' ht.	B & B
DO	Cornus florida 'Cherokee Chief'	Cherokee Chief Dogwood	2	2" - 2 1/2" cal.	B & B
EL	Ulmus americana 'Valley Forge'	Valley Forge American Elm	1	2" - 2 1/2" cal.	B & B
	SHRUBS				
WA	Azalea 'Gumpo White'	White Azalea	35	15" - 18" spr.	Cont.
RA	Azalea hinocrimson	Red Azalea	23	15" - 18" spr.	Cont.
JH	Ilex crenata 'Helleri'	Heller's Japanese Holly	4	18" - 24" spr.	Cont
JU	Juniperus hor. 'Bar Harbor'	Bar Harbor Spreading Jumiper	55	15" - 18" spr.	Cont.
RR	Rhododendron cat. "American'	Red Rhododendron	31	36" - 42" ht.	B & B
YS	Spirea Double Play 'Candy Corn'	Yellow-leaf Spirea	21	15" - 18" spr.	Cont.
RS	Spirea Double Play 'Doozie'	Red-leaf Spirea	23	15" - 18" spr.	Cont.

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

CARVER, MASSACHUSETTS

3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SITE PLANTING PLAN

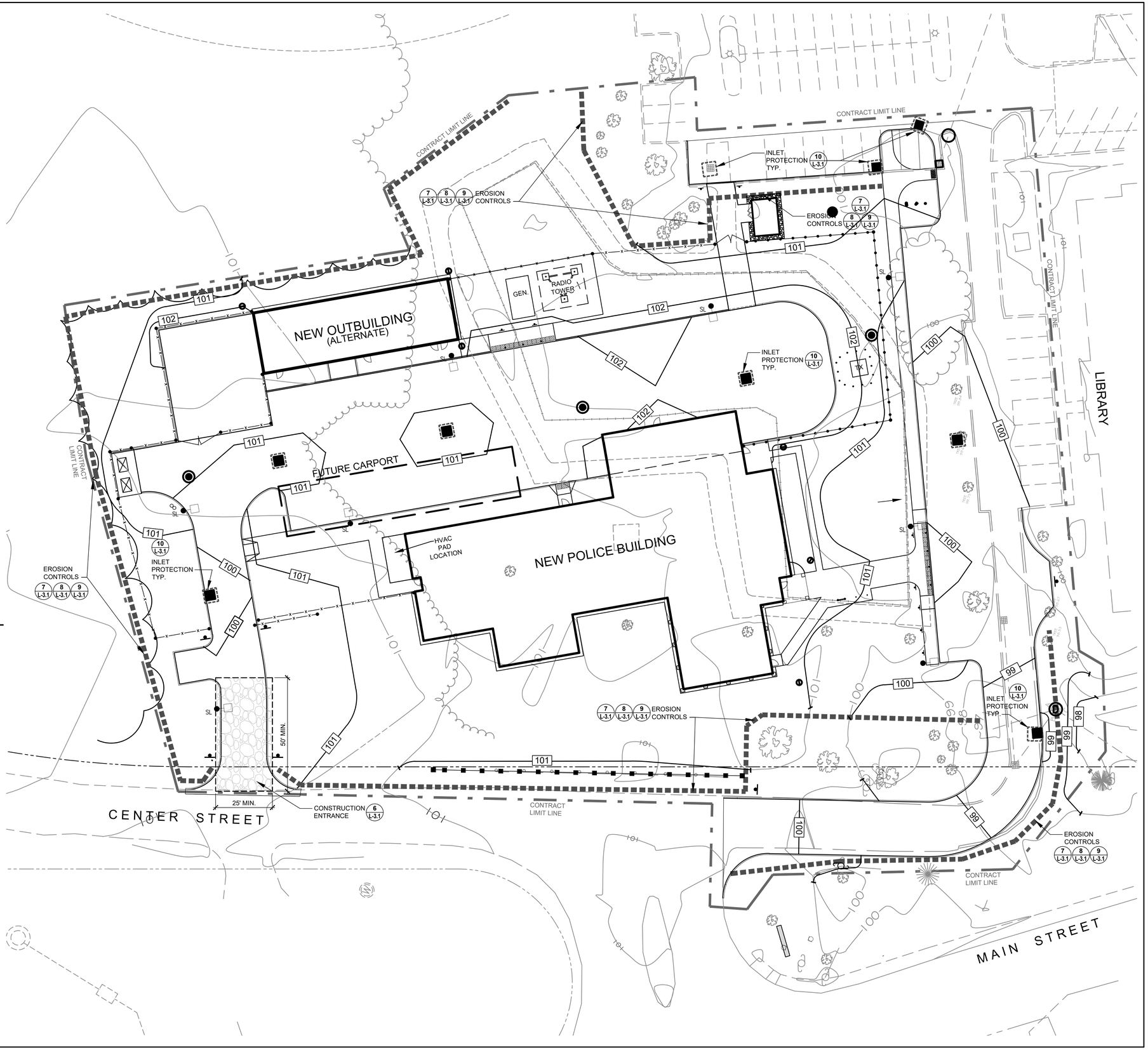
PROJ. NO. JH1830	DRAWING NO. L-1.4
SCALE As Noted	
DATE OCTOBER 2, 2019	

LEGEND

EXISTING		PROPOSED
	BUILDING	
	PROPERTY LINE	
	CONTRACT LIMIT LINE	
	IRON PIPE OR ROD FOUND	
GV	GAS VALVE	
	UTILITY POLE	
	LIGHT POLE	
	SIGN	
	BOLLARD	
W	WATER SUPPLY WELL	
X X	FENCE	
	STONE WALL	
D	DRAIN MANHOLE	D
	CATCH BASIN	
	STORM DRAIN STRUCTURE	
S	SANITARY MANHOLE	S
	SEPTIC TANK COVER	
333	CONTOURS	333
# L-X	DETAIL LOCATOR TOP=DETAIL #, BOTTOM-SHEET #	# L-X
	TREE LINE	
	CURB	
	ROAD PAVEMENT	
	CONCRETE PAVEMENT	
	GRAVEL SURFACE	
	MOW STRIP	
	TREE	
	TREE PROTECTION	
	EROSION CONTROLS	
	INLET PROTECTION	
	CONSTRUCTION ENTRANCE	

NOTES

1. The General Contractor shall be responsible for the installation and maintenance of erosion control measures shown on this plan, and any additional measures as may be necessary or required throughout construction, until final surface finishes have been established and accepted.
2. Erosion control measures shall be in accordance with the standards of the most current version of the "Massachusetts Erosion and Sediment Control Guidelines for Urban and Suburban Areas," the standards of the Town of Carver, and as shown on these plans and in the specifications, whichever is the most stringent.
3. See the specification, additional notes and/or schedules and details for additional information and requirements.
4. Erosion controls must be installed prior to the start of any construction activities. Limited clearing (but no grubbing) and site disturbance is allowed in order to facilitate installation of erosion controls.
5. Where several types of erosion control devices are called out on the plan, the Contractor may select from those detailed for individual areas that may best fit his construction operations while still maintaining protections that meet all contract and regulatory requirements.
6. The Contractor shall carry in his Bid the cost to provide one Construction Entrance, as detailed and specified, to be located where construction vehicles enter and/or exit the site. Should the Contractor desire additional access points to accommodate his construction operations, he shall provide additional Construction Entrances, as detailed, at no additional cost to the Contract.
7. All areas disturbed by construction activities, whether inside the Contract Limit Line or beyond, not covered by buildings or pavements, shall be topsoiled and seeded as lawn.
8. The Contractor shall monitor all new or modified drainage structure sumps within the contract limits and shall pump sumps clean of silt and debris when more than 3/4 full and/or immediately prior to final acceptance.



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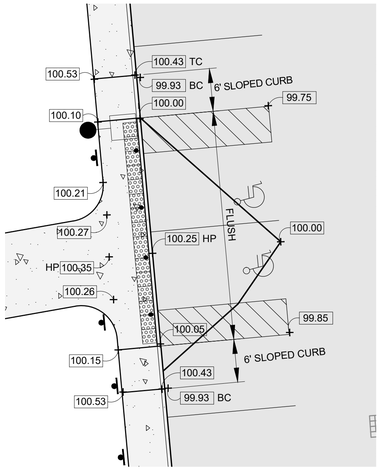
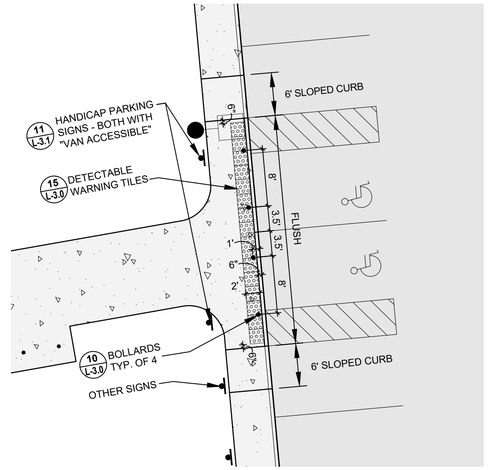
EROSION AND SEDIMENTATION CONTROL PLAN

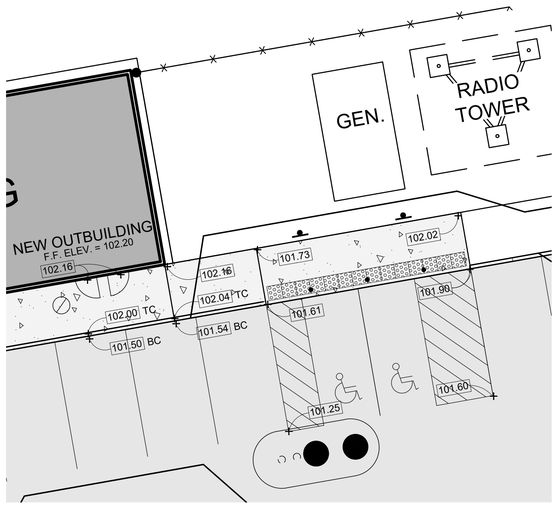
PROJ. NO.	DRAWING NO.
JH1880	L-1.5
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



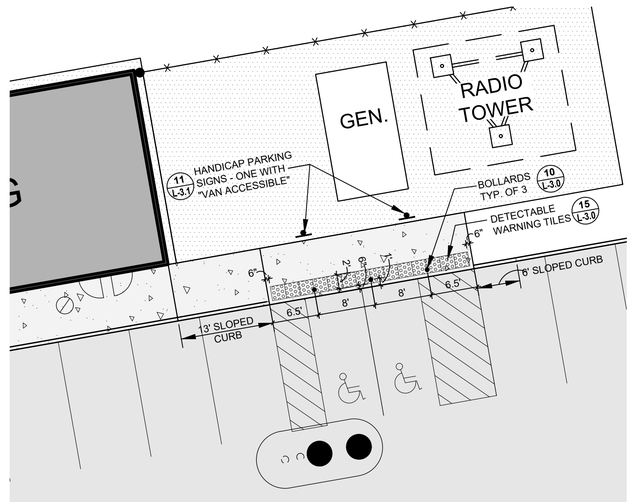
4 DETAILED SPOT GRADES - PUBLIC HC PARKING SPACES
SCALE: 1" = 10'



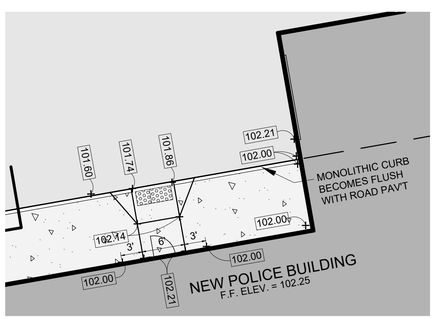
1 DETAILED LAYOUT - PUBLIC HC PARKING SPACES
SCALE: 1" = 10'



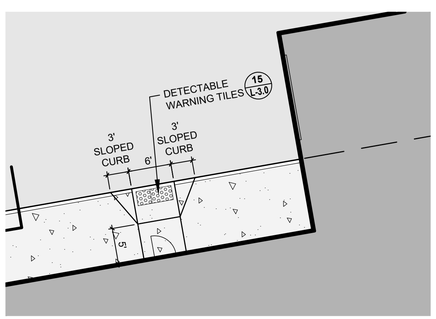
5 DETAILED SPOT GRADES - REAR LOT HC PARKING SPACES
SCALE: 1" = 10'



2 DETAILED LAYOUT - REAR LOT HC PARKING SPACES
SCALE: 1" = 10'



6 DETAILED SPOT GRADES - REAR ACCESSIBLE ENTRANCE
SCALE: 1" = 10'



3 DETAILED LAYOUT - REAR ACCESSIBLE ENTRANCE
SCALE: 1" = 10'

NORTH

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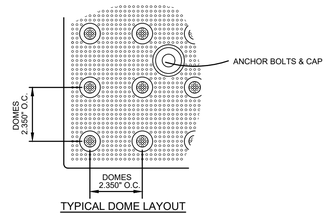
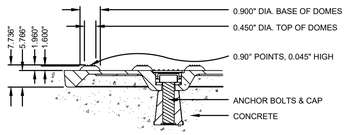
ENLARGED SITE PLAN DETAILS

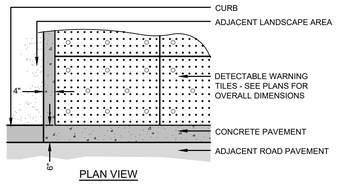
PROJ. NO. JH1830	DRAWING NO. L-2.0
SCALE As Noted	
DATE OCTOBER 2, 2019	



TYPICAL DOME LAYOUT

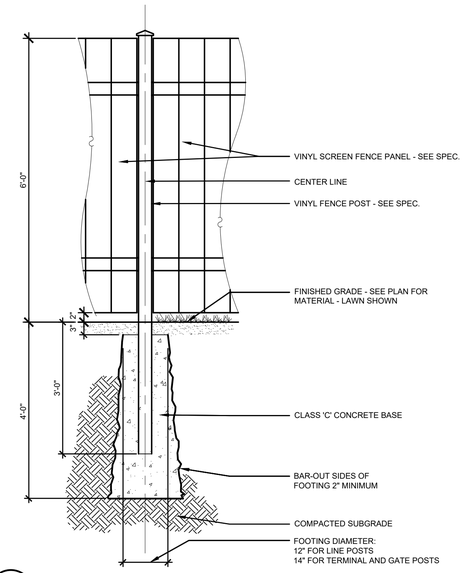


DOME & ANCHOR ELEVATION

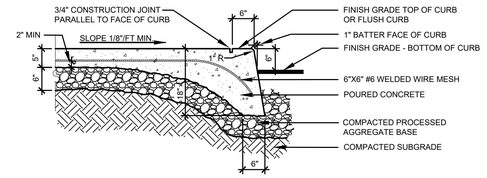


PLAN VIEW

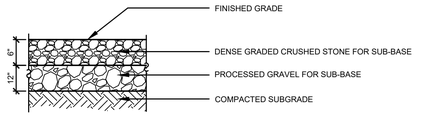
15 DETECTABLE WARNING TILES
NOT TO SCALE



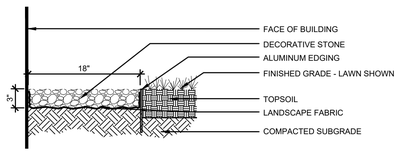
12 SCREEN FENCE
NOT TO SCALE



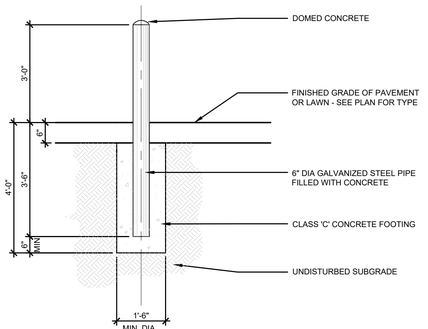
7 MONOLTHIC CONCRETE CURB
NOT TO SCALE



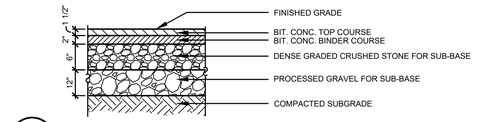
8 GRAVEL SURFACE
NOT TO SCALE



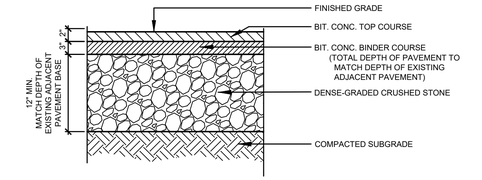
9 STONE MOW STRIP
NOT TO SCALE



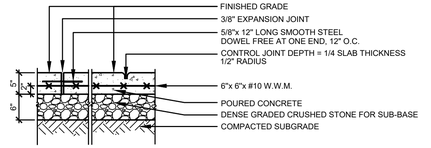
10 STEEL PIPE BOLLARD (CONCRETE FILLED)
NOT TO SCALE



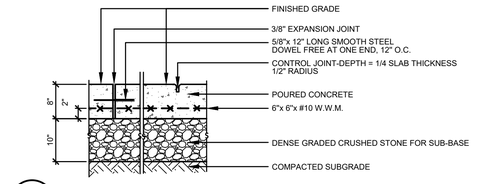
1 HOT MIX ASPHALT ROAD PAVEMENT
NOT TO SCALE



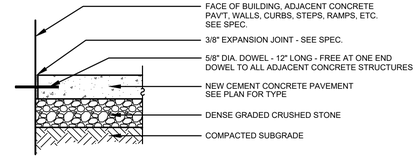
2 HOT MIX ASPHALT PATCH PAVEMENT
NOT TO SCALE



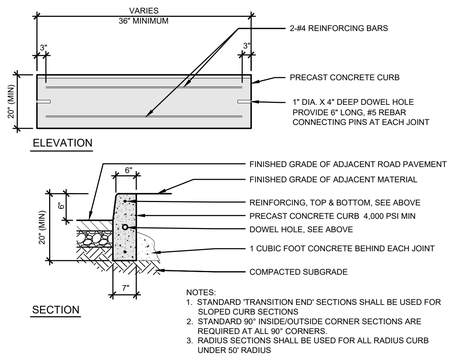
3 CEMENT CONCRETE PAVEMENT
NOT TO SCALE



4 HEAVY DUTY CEMENT CONCRETE PAVEMENT
NOT TO SCALE



5 DOWEL DETAIL ADJACENT TO CONCRETE STRUCTURES
NOT TO SCALE

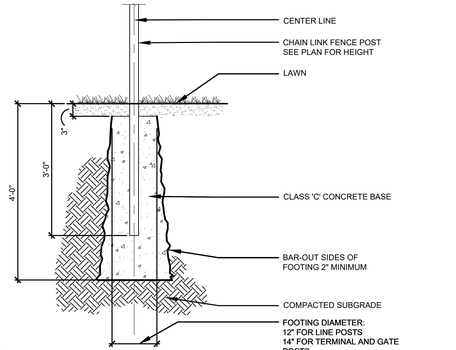


NOTES:
1. STANDARD 'TRANSITION END' SECTIONS SHALL BE USED FOR SLOPED CURB SECTIONS
2. STANDARD 90° INSIDE/OUTSIDE CORNER SECTIONS ARE REQUIRED AT ALL 90° CORNERS.
3. RADIUS SECTIONS SHALL BE USED FOR ALL RADIUS CURB UNDER 50' RADIUS

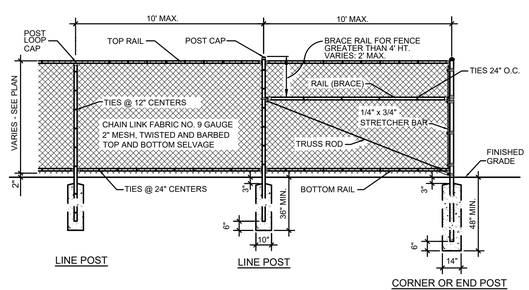
6 PRECAST CONCRETE CURB
NOT TO SCALE

ELEVATION

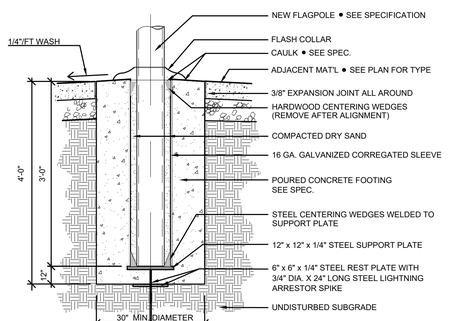
16 WOOD POST & BEAM GUIDE RAIL
NOT TO SCALE



13 CHAIN LINK FENCE POST FOOTING
NOT TO SCALE



14 CHAIN LINK FENCE
NOT TO SCALE



NOTE: DIMENSIONS BASED ON 30 FOOT EXPOSED HEIGHT POLE • SEE MANUF. INSTRUCTIONS

11 FLAGPOLE BASE
NOT TO SCALE

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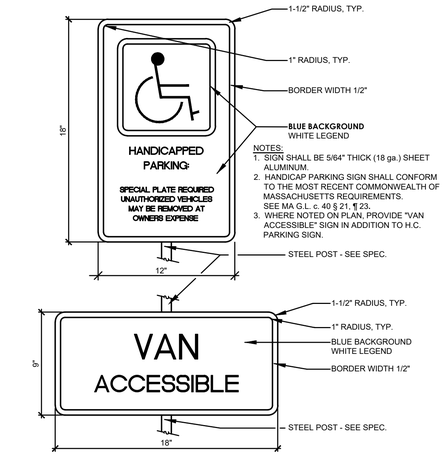
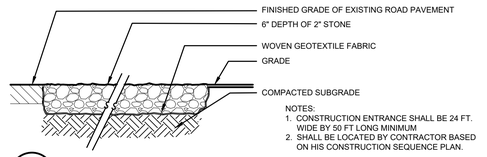
SITE DETAILS

PROJ. NO. JH1830
SCALE As Noted
DATE OCTOBER 2, 2019
DRAWING NO. **L-3.0**



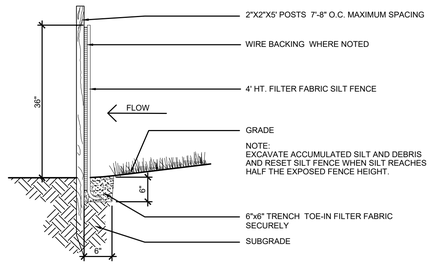
NOTES:
1. SIGN SHALL BE 5/64" THICK (18 ga.) SHEET ALUMINUM.
2. HANDICAP PARKING SIGN SHALL CONFORM TO THE MOST RECENT COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS. SEE MA G.L. c. 40 § 21, ¶ 23.
3. WHERE NOTED ON PLAN, PROVIDE "VAN ACCESSIBLE" SIGN IN ADDITION TO H.C. PARKING SIGN.

11 MASSACHUSETTS HANDICAP PARKING SIGN
NOT TO SCALE

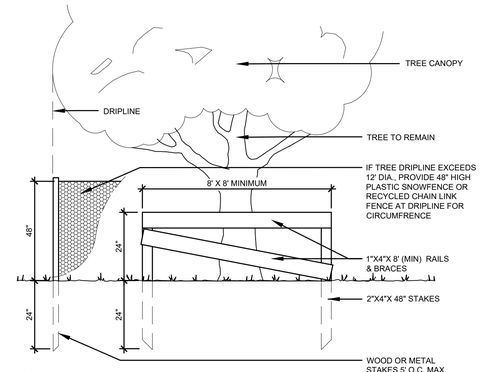


NOTES:
1. CONSTRUCTION ENTRANCE SHALL BE 24 FT. WIDE BY 50 FT LONG MINIMUM
2. SHALL BE LOCATED BY CONTRACTOR BASED ON HIS CONSTRUCTION SEQUENCE PLAN.

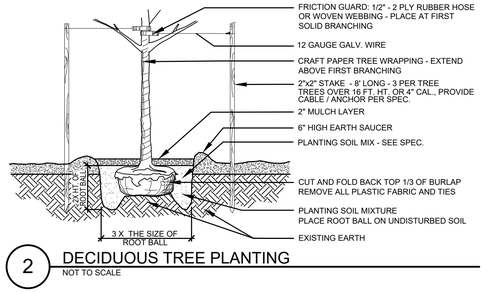
6 CONSTRUCTION ENTRANCE
NOT TO SCALE



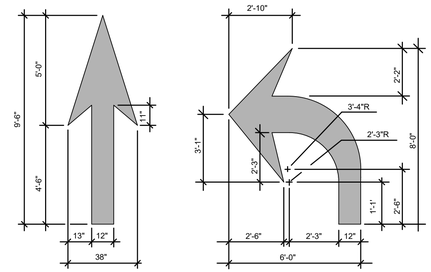
7 EROSION CONTROLS - SILT FENCE
NOT TO SCALE



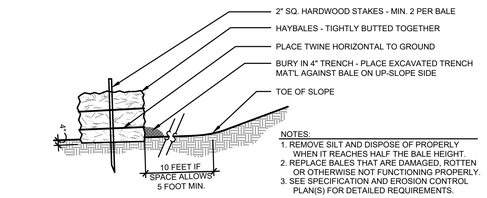
1 TREE PROTECTION
NOT TO SCALE



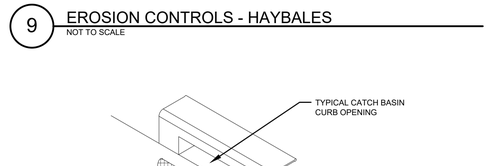
2 DECIDUOUS TREE PLANTING
NOT TO SCALE



12 PAINTED DIRECTIONAL ARROWS
NOT TO SCALE

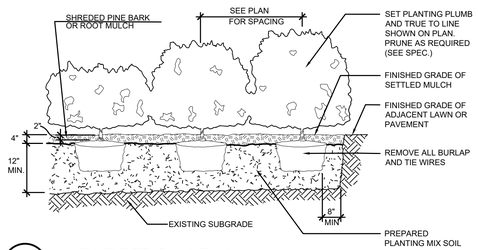


8 SEDIMENT RETENTION FIBER ROLL (SRFR)
NOT TO SCALE

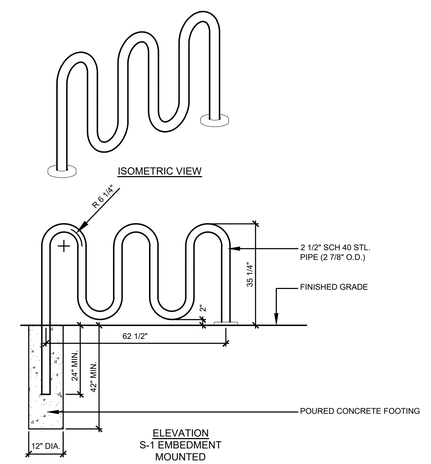


NOTES:
1. REMOVE SILT AND DISPOSE OF PROPERLY WHEN IT REACHES HALF THE BALE HEIGHT.
2. REPLACE BALES THAT ARE DAMAGED, ROTTEN OR OTHERWISE NOT FUNCTIONING PROPERLY.
3. SEE SPECIFICATION AND EROSION CONTROL PLAN(S) FOR DETAILED REQUIREMENTS.

9 EROSION CONTROLS - HAYBALES
NOT TO SCALE



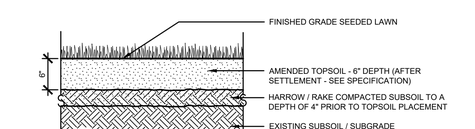
3 SHRUB BED PLANTING
NOT TO SCALE



13 BIKE RACK - 5 SPACES
NOT TO SCALE

10 INLET PROTECTION AT CATCH BASINS
NOT TO SCALE

4 - DETAIL NOT USED



5 SEEDED LAWN - TOPSOIL
NOT TO SCALE

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	9/05/19	REV. - TECH. REVIEW MTG.
	9/23/19	ZONING BD. REVIEW COMMENTS

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SITE
DETAILS

PROJ. NO.	DRAWING NO.
JH1830	L-3.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

STRUCTURAL GENERAL NOTES

A. GENERAL

1. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS. ALSO, SEE SPECIFICATIONS.

2. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO TOTAL COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.

B. DESIGN AND LOADING

1. ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA IN ACCORDANCE WITH THE FOLLOWING:

   A) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-14
   B) 2010 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
   C) MASSACHUSETTS STATE BUILDING CODE, NINTH EDITION
   D) ACI 530-13/ASCE 5-13 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

2. ALLOWABLE SOIL BEARING CAPACITY: 1.5 TSF

3. DESIGN STRESSES AND MATERIAL:

   A) CONCRETE (28-DAY STRENGTH, NORMAL WEIGHT) SEE SPECIFICATION
   B) REINFORCING STEEL ASTM A-615 FY = 60 KSI
   C) WELDED-WIRE ASTM A-185 FY = 60 KSI
   D) STRUCTURAL STEEL ASTM A-992 FY = 50 KSI
   E) STRUCTURAL STEEL PIPES ASTM A-53, GRADE B FY = 35 KSI
   F) STRUCTURAL STEEL TUBES ASTM A-500, GRADE B FY = 46 KSI
   G) BOLTS: 3/4 - INCH DIAMETER ASTM A-325
   H) HOLLOW LOAD-BEARING MASONRY UNITS ASTM C90 GRADE N-1
   I) MORTAR ASTM C270 TYPE S
   J) MASONRY PRISM STRENGTH f'm = 1500PSI

C. FOUNDATION

1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOUND GROUND.
2. BOTTOM OF EXTERIOR FOOTING TO BE A MINIMUM 4'-0" BELOW FINISHED GRADE. ALL FOOTINGS SHALL A MINIMUM OF 1'-6" BELOW EXISTING GRADE, UNLESS ON STRUCTURAL FILL.
3. STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTED IN 8" LAYERS TO 95% OF MODIFIED PROCTOR DENSITY.
4. ALL FOUNDATION EXCAVATIONS AND STRUCTURAL FILL SHALL BE TESTED AND INSPECTED TO ENSURE THE ALLOWABLE SOIL BEARING PRESSURE AND DENSITY OF FOUNDATION BEARING MATERIALS.
5. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.
6. DO NOT BACKFILL AGAINST RETAINING BASEMENT WALLS UNTIL CONCRETE HAS ACHIEVED 75% OF 28 DAY SPECIFIED STRENGTH.
7. THE SUBGRADE SHALL BE PREPARED AND PROTECTED IN ACCORDANCE WITH THE RECOMMENDATION OF THE GEOTECHNICAL REPORT PREPARED BY THE LAB OF GEOTECHNICAL CONSULTANT INC. DATED FEBRUARY 1, 2018.
8. AS NOTED IN THE GEOTECHNICAL REPORT IT SHOULD NOT BE EXPECTED TO BE ABLE TO REFUSE ON-SITE MATERIALS AS STRUCTURAL FILL WITHOUT AMENDMENT.

D. CONCRETE WORK AND REINFORCING

1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 6-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.
2. ALL FOUNDATION WALLS/GRADE BEAMS ARE TO BE KEYED TO FOOTINGS.
3. WHERE VERTICAL REINFORCING BARS ARE CALLED FOR IN WALLS, AT COLUMN LOCATIONS OR PIERS, SUCH BARS ARE TO BE DOWELED INTO FOOTINGS.
4. POCKET WALLS WHERE NECESSARY FOR BEAMS, COLUMNS AND SLABS.
5. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.
6. REINFORCING TO BE LAPPED 48 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.
7. PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENING.
8. UNLESS OTHERWISE NOTED, ALL FOUNDATION WALLS ARE TO BE REINFORCED WITH (3) #6 BARS, CONTINUOUS TOP AND BOTTOM.
9. HORIZONTAL WALL CONSTRUCTION JOINTS WILL NOT BE PERMITTED, EXCEPT WHERE SHOWN.
10. AIR-ENTRAIN ALL EXPOSED CONCRETE.
11. ALL JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.
12. PADS ARE REQUIRED FOR ALL FLOOR STANDING EQUIPMENT. COORDINATE SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
13. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATIONS, OF ALL OPENINGS, EMBEDDED ITEMS, ETC., FOR MECHANICAL AND ELECTRICAL TRADES.
14. COVER FOR REINFORCING:

a)	CONCRETE PLACED ON EARTH	3"
b)	FORMED CONCRETE EXPOSED TO GROUND OR WEATHER:	
	1) #6 BARS OR LARGER	2"
	2) #5 BARS OR SMALLER	1-1/2"
c)	FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER:	
	1) SLABS AND WALLS	3/4"

E. STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. ALL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE STEEL JOIST INSTITUTE AND THE AMERICAN INSTITURE OF STEEL CONSTRUCTION.
3. FABRICATE AND ERECT ALL BEAMS WITH MILL CAMBER UP.
4. PROVIDE WEB STIFFENER PLATES FOR BEAMS CONTINOUS OVER COLUMNS OR BELOW SUPPORTED COLUMNS.
5. OPEN WEB STEEL JOISTS OCCURING AT COLUMNS SHALL HAVE BOTTOM CHORD EXTENDED AND ATTACHED TO COLUMNS.
6. PROVIDE TWO L2 x 2 x 3/16" ADDITIONAL WEB MEMBERS FROM TOP CHORD TO BOTTOM CHORD PANEL POINTS OF JOIST WHERE CONCENTRATED LOADS FALL BETWEEN TOP CHORD PANEL POINTS.
7. WHEREVER WELDING IS EMPLOYED, EITHER IN FABRICATION OR ERECTION ALL SUCH WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN COMPLETE ACCORD WITH THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING CODE.
8. PROVIDE ANGLE FRAMES FOR ROOF DRAIN SUMP PANS AND ALL OTHER NEW FLOOR AND ROOF OPENINGS 12-INCHES OR GREATER. ANGLE FRAMES TO BE L5 x 3-1/2 x 1/4" - TYPICAL.
9. FURNISH LOOSE ANGLE LINTELS, UNLESS OTHER LINTELS ARE SPECIFICALLY INDICATED, FOR ALL OPENINGS IN MASONRY WALLS FOR DOORS, WINDOWS, DUCTS, PASS-THROUGHS, ETC. FOR EACH FOUR (4) INCHES OF MASONRY, FURNISH ONE ANGLE AS FOLLOWS:

SPAN	LINTEL
Up to 4'-6"	L3-1/2 x 3-1/2 x 5/16
4'-6" to 5'-6"	L4 x 3-1/2 x 5/16
5'-6" to 6'-6"	L5 x 3-1/2 x 5/16
6'-6" to 7'-8"	L6 x 3-1/2 x 3/8
7'-10" to 12'-4"	L7 x 4 x 3/8 MAX. 4'-8" MASONRY HEAD

   FOR SIX (6") INCH WALLS, USE TWO (2) ANGLES WITH 2-1/2-INCH LEGS OUTSTANDING. FOR FOUR (4") INCH WALLS, USE ST3 x 6.25. PROVIDE MINIMUM SIX (6") INCH LONG BEARING FOR ALL LINTELS.
10. PROVIDE SHOP COAT OF PAINT.
11. SUBMIT SHOP DRAWINGS, INCLUDING LINTEL SCHEDULE AND SHOP PAINT.

F. REINFORCED MASONRY

1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530-13/ASCE 5-13).
2. ALL MASONRY SHALL BE LAID IN RUNNING BOND.
3. MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270.
4. GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM CEMENT CONTENT OF 7.0 SACKS OF PORTLAND CEMENT PER CUBIC YARD.
5. PROVIDE BOND BEAMS OR REINFORCED GROUTED UNITS WITH 2-#5 HORIZONTAL CONTINUOUS REINFORCEMENT IN ALL MASONRY WALLS AT:
   a) THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES NOR LESS THAN 40 BAR DIAMETER PAST THE OPENING.
   b) STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS AND AT THE TOP OF WALLS.
   c) AT THE BOTTOM OF THE WALL OR IN THE TOP OF THE FOUNDATIONS WHEN DOWELLED TO THE WALL.
   d) AT MAXIMUM SPACING OF 10 FEET UNLESS UNIFORMLY DISTRIBUTED JOINT REINFORCEMENT IS PROVIDED.
6. PROVIDE MINIMUM OF ONE #5 CONTINUOUS VERTICAL REINFORCEMENT IN ALL MASONRY WALLS AT:
   a) MINIMUM OF 48 INCHES ON CENTER UNLESS OTHERWISE NOTED.
   b) ALL SIDES AND EDGES OF MASONRY OPENINGS SHALL EXTEND NOT LESS THAN 24 INCHES NOR LESS THAN 40 BAR DIAMETERS PAST THE OPENING.

G. STRUCTURAL METAL FRAMING

1. ALL STRUCTURAL METAL FRAMING SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF AMERICAN IRON AND STEEL INSTITUTE (AISI) COLD-FORMED STEEL DESIGN MANUAL- "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. ALL JOISTS AND ACCESSORIES SHALL BE GALVANIZED AND SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A-446 WITH A YIELD OF 50 KSI.
3. ENGINEERING CALCULATIONS OR DATA SHALL BE SUBMITTED VERIFYING THE FRAMING ASSEMBLY'S ABILITY TO MEET OR EXCEED DESIGN REQUIREMENTS.
4. ALL CONSTRUCTION (MEMBER TO MEMBER, AND MEMBER TO STRUCTURE) SHALL BE THOROUGHLY EXAMINED AND DESIGNED.
5. JOIST HANGERS (REGULAR AND BRIDLE TYPE) SHALL BE MANUFACTURER'S STANDARD FOR JOIST DEPTH AND LOADING.
6. PROVIDE WEB STIFFENERS WHERE NECESSARY AT REACTION POINTS, AND AT POINTS OF CONCENTRATED LOADS.
7. PROVIDE ADDITIONAL FRAMING AROUND ALL ROOF OPENINGS WHICH ARE LARGER THAN THE JOIST SPACING.
8. END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
9. ALL BRIDGING, BRACING, BLOCKING, STRAPPING, WEB REINFORCEMENT, ETC., MUST BE IN PLACE PRIOR TO LOADING.
10. HOLES THAT ARE FIELD CUT INTO STEEL FRAMING MEMBERS SHALL BE WITHIN THE LIMITATIONS OF THE PRODUCT AND ITS DESIGN. PROVIDE REINFORCEMENT WHERE HOLES ARE CUT THROUGH LOAD BEARING MEMBERS IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION AND AS APPROVED BY PROJECT ARCHITECT OR ENGINEER.

H. STRUCTURAL WOOD FRAMING

1. ALL STRUCTURAL WOOD FRAMING SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AND THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
2. PLYWOOD SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS.
3. ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
4. ALL NAILS, SCREWS, SPIKES, ETC., TO BE COMMON STEEL.
5. JOIST HANGERS, FRAMING ANGLES AND CLIPS SHALL BE EQUAL TO THOSE MANUFACTURED BY THE SIMPSON COMPANY, SAN LEANDRO, CALIFORNIA.
6. CARPENTRY SHALL BE ERECTED TRUE TO LINES, LEVELS AND DIMENSIONS SHOWN OR REQUIRED; SHALL BE SQUARED, ALIGNED AND PLUMBED; SECURELY FASTENED IN PLACE IN AN APPROVED MANNER.
7. ALL JOINTS SHALL BE NEATLY AND ACCURATELY MADE, FITTED TIGHT, BLOCKED OR OTHERWISE PUT TOGETHER SO AS TO AVOID OPENING OR ROTATION.
8. MEMBERS OF ROUGH WOODWORK SHALL BE SECURELY FASTENED TOGETHER AND TO SUPPORTING CONSTRUCTION; NAILED, SPIKED, LAG SCREWED OR BOLTED AS REQUIRED.
9. ALL NAILED CONNECTIONS SHALL BE SECURED IN ACCORDANCE WITH STATE OF CONNECTICUT BUILDING CODE - NAILING SCHEDULE.
10. FOR BOLTED CONNECTIONS, DRILL HOLES 1/16" LARGER IN DIAMETER THAN THE BOLTS BEING USED. DRILL STRAIGHT AND TRUE FROM ONE SIDE ONLY. BOLT THREADS SHALL NOT BEAR ON WOOD. USE WASHERS UNDER ALL NUTS.
11. FOR LAG-SCREWS AND WOOD SCREWS, PRE-BORE HOLES SAME DIAMETER AS ROOT OF THREADS; ENLARGE HOLES TO SHANK DIAMETER FOR LENGTH OF SHANK. SCREW, DO NOT DRIVE, ALL LAG SCREWS AND WOOD SCREWS.

I. WOOD TRUSSES

1. ALL WOOD TRUSSES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH "CODE OF STANDARD PRACTICE FOR THE METAL PLATE CONNECTED WOOD TRUSS INDUSTRY".
2. TRUSSES SHALL BE BRACED DURING ERECTION IN ACCORDANCE WITH "COMMENTARY AND RECOMMENDATION FOR BRACING WOOD TRUSSES" PUBLISHED BY TRUSS PLATE INSTITUTE.
3. TEMPORARY TRUSS BRACING SHALL NOT BE REMOVED UNTIL PERMANENT LATERAL TRUSS BRACING IS INSTALLED AND ALL OTHER IMPROVEMENTS ARE COMPLETE.
4. PERMANENT TRUSS BRACING SHALL BE ANCHORED TO SOLID END WALLS OR CROSS-BRACED AT BRACING ENDS.
5. PERMANENT TRUSS BRACING SHALL BE PROVIDED IN THE PLANE OF THE TRUSS BOTTOM CHORD AND SHALL CONSIST OF BOTH LATERAL BRACING SPACED AT NO MORE THAN 10 FEET ON CENTER AND DIAGONAL BRACED BAYS AT BUILDING ENDS AND INTERMEDIATE INTERVALS OF NOT GREATER THAN 20 FEET ON CENTER.
6. PERMANENT TRUSS BRACING SHALL BE PROVIDED IN THE PLANE OF THE TRUSS WEB AND SHALL CONSIST OF DIAGONAL BRACING SPACED AT NOT MORE THAN 16 FEET ON CENTER FOR THE ROOF TRUSSES AND 8 FEET ON CENTER FOR FLOOR TRUSSES.
7. PERMANENT DIAGONAL TRUSS BRACING SHALL BE PROVIDED IN THE PLANE OF THE TRUSS WEB AT ALL ENDS OF LATERAL BRACING AS REQUIRED FOR INDIVIDUAL MEMBER STABILITY AS INDICATED ON TRUSS DESIGN DRAWINGS. PROVIDE "T-BRACE" ON ALL WEB MEMBERS WHERE LATERAL BRACING EXTENDS LESS THAN FOUR (4) CONSECUTIVE TRUSS MEMBERS.
8. PERMANENT TRUSS BRACING SHALL BE AT LEAST A NOMINAL 2 X 4.
9. NO SPLICES, CUTS OR OTHER MODIFICATIONS SHALL BE MADE TO TRUSS MEMBERS UNLESS APPROVED BY THE ENGINEER OR SHOWN ON THE SHOP DRAWINGS.

WOOD TRUSS LAYOUT NOTES:

1. ROOF TRUSS LAYOUT INDICATES CONCEPTUAL TRUSS FRAMING DIMENSIONS, ROOF SLOPE AND END CONFIGURATIONS. TRUSS SUPPLIER SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS INDICATED FOR CONFORMANCE TO ACTUAL REQUIREMENTS - SEE ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS FOR ACTUAL ROOF CONFIGURATION REQUIREMENTS.
2. PROVIDE TRUSS TOP CHORD EXTENSIONS AS REQUIRED FOR ROOF OVERHANG. - SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS
3. "VT-" INDICATES INFILL VALLEY TRUSS CONFIGURATION WITH CONTINUOUS TOP AND BOTTOM TRUSS CHORDS - MATCH ADJACENT ROOF SLOPES AND ARCHITECTURAL. REQUIREMENTS.
4. PROVIDE VERTICAL WEB MEMBERS @ 16" O.C. (WITHIN STRUCTURAL GABLE AND TRUSS GIRDER) DIAGONAL WEBS FOR THE ATTACHMENT OF SHEATHING - SEE ARCHITECTURAL DRAWING FOR ADDITIONAL REQUIREMENTS.
5. PROVIDE "PIGGY BACK" TRUSS CONFIGURATION AS REQUIRED FOR TRUSS HANDLING AND SHIPPING REQUIREMENTS.
6. PROVIDE JOIST HANGERS, HURRICANE ANCHORS AND HOLDOWNS OF RATED CAPACITY TO SUPPORT ALL TRUSS END REACTIONS, WHERE ROOF TRUSS ARE SUPPORTED BY TRUSS GIRDERS AND/OR BEAMS.
7. "RG-..." INDICATES WOOD ROOF TRUSS GIRDER SUPPORT FRAMING MEMBER. MATCH ADJACENT ROOF SLOPE AND END CONFIGURATION - PROVIDE MULTIPLE PLIES AND TRUSS CHORDS AND WEB FRAMING AS REQUIRED FOR LOADING AND SPAN - TYPICAL.
8. ALL TRUSSES SHALL BE DESIGNED TO INCLUDE MINIMUM ASCE 7-10 WIND LOADS OF 147 MPH. SHOW ALL WIND LOAD REACTIONS (UPLIFT, SHEARS, ETC.) ON DETAILED TRUSS SHOP DRAWINGS.
9. TRUSS SUPPLIER SHALL VERIFY AND COORDINATE ALL TRUSS SPACING AND DIMENSIONS WITH ALL SUPPORT MEMBER (WALL/BEAM/TRUSS GIRDER, ETC.) WIDTHS, PLIES AND ACTUAL LOCATIONS IN FIELD TO MAINTAIN PROPER AND ACCEPTED BEARING OF ALL ROOF TRUSS FRAMING MEMBERS. SEE ARCH'L DRAWINGS FOR ALL WALL LOCATIONS - VERIFY ALL DIMENSIONS IN FIELD.
10. PROVIDE MULTIPLE SUPPORT STUDS (3 MIN.) AT ALL TRUSS GIRDER AND BEAM ENDS AS REQUIRED FOR TRUSS/BEAM END REACTIONS. CONTINUE ALL MULTIPLE STUDS AND TIE DOWNS TO FOUNDATION WALL OR FOOTING.

STRUCTURAL LOADS

1. DEAD LOAD:
   A) ALLOWANCE FOR FUTURE SOLAR PANEL SYSTEM (UNIFORMLY DISTRIBUTED LOAD) 5 psf
2. LIVE LOAD:
   A) FLOOR LIVE LOADS -TYPICAL AREAS 100 psf
   B) ROOF LIVE LOAD - 20psf
   C) ROOF SNOW LOAD - GROUND SNOW LOAD Pg= 30 psf
      - FLAT ROOF SNOW LOAD Pf= 30 psf
      - SNOW EXPOSURE FACTOR Ce= 1.0
      - SNOW THERMAL FACTOR Ct= 1.1
      - SNOW IMPORTANCE FACTOR I= 1.2
3. LATERAL LOADS:
   A) WIND LOADS -BASIC WIND SPEED (Vult) 147 mph
      -NOMINAL WIND SPEED (Vasd) 114 mph
      -RISK CATEGORY IV
      -WIND EXPOSURE B
      -BASIC VELOCITY PRESSURE 32.9 psf
      -INTERNAL PRESSURE (GCpi) +/-0.18

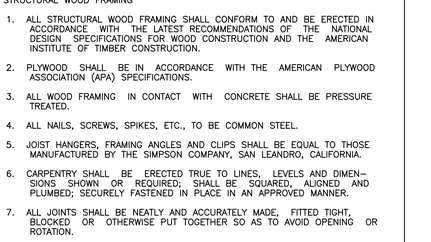
COMPONENT WIND LOADS: (10 SF)	TYPICAL psf	TRANSITIONS psf	CORNERS psf
-WALLS	38.8/-42.1	---	38.8/-52.0
-OVERHANGS	---	-71.8	-71.8
-SLOPED ROOF	35.5/-38.8	35.5/-45.4	35.5/-45.4

   B) SEISMIC LOADS -SPECTRAL RESPONSE ACCELERATION Ss=0.182
      -SPECTRAL RESPONSE ACCELERATION S1=0.061
      -SEISMIC DESIGN CATEGORY C
      -SOIL SITE CLASS D
      -IMPORTANCE FACTOR Is=1.50
      -SPECTRAL RESPONSE ACCELERATION Sds=0.194
      -SPECTRAL RESPONSE ACCELERATION Sd1=0.098
      -BASIC STRUCTURAL SYSTEM - BUILDING FRAME

   -SEISMIC RESISTING SYSTEM-
   "STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE"
      -RESPONSE MODIFICATION FACTOR R=3
      -DEFLECTION AMPLIFICATION FACTOR Cd=3
      -SEISMIC DESIGN COEFFICIENT CS=0.10
      -DESIGN BASE SHEAR (KIPS) V=23
      -ANALYSIS PROCEDURE - EQUIVALENT FORCE

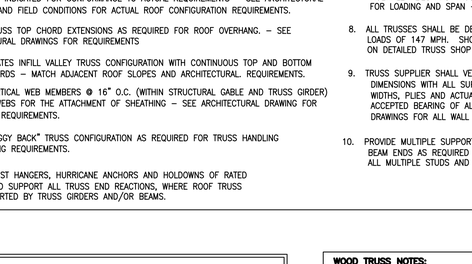
WOOD TRUSS NOTES:

1. LOADS SHALL DETERMINED USING THE MASSACHUSETTS STATE BUILDING CODE, NINTH EDITION.
2. FLAT ROOF SNOW LOAD = 30 PSF. SNOW LOAD DISTRIBUTION AND COEFFICIENTS TO BE DETERMINED USING THE MASSACHUSETTS STATE BUILDING CODE, NINTH EDITION, CONSIDERING SHEDDING, STACKING, AND SLIDING SNOW AS REQUIRED.
3. THE ALLOWABLE WOOD STRESSES MAY BE INCREASED 15% WHEN USED UNDER SNOW LOADINGS.
4. FOR TRUSS BRACING REQUIREMENTS SEE STRUCTURAL GENERAL NOTES AND TRUSS PLATE INSTITUTE "BCSI 1-03"
5. WOOD TRUSSES ARE TO BE DESIGNED FOR ANY REACTIONS RESULTING FROM ADDITIONAL MEMBERS SUPPORTED BY WOOD TRUSSES.
6. BOTTOM CHORD TO BE DESIGNED FOR A MINIMUM LOADING OF 10 PSF.
7. ALL TRUSS DESIGNS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF MASSACHUSETTS. ALL SUBMISSIONS SHALL BEAR REGISTRATION SEAL OF DESIGN ENGINEER.
8. ALL TRUSS SUBMITTALS SHALL INCLUDE THE FOLLOWING:
   A. ALL TRUSS LOCATIONS, SPACING, BEARING DETAILS, MEMBER SIZES, PITCH, SPANS AND DIMENSIONS.
   B. SIZE, SPECIES AND STRESS OF GRADE LUMBER.
   C. LOADING CONDITIONS AND STRESS INCREASES.
   D. NOMINAL SIZES AND LOCATIONS OF CONNECTOR PLATES AT ALL JOINTS.
   E. ACTUAL AXIAL LOADS IN EACH MEMBER.
   F. CAMBER REQUIREMENTS.
   G. LOCATION OF PERMANENT LATERAL BRACING AS REQUIRED BY THE DRAWINGS.
   H. LOCATION OF TEMPORARY LATERAL BRACING AS REQUIRED FOR ERECTION.
   I. MANUFACTURER'S DATA OR FABRICATOR'S SHOP DRAWING FOR METAL TRUSS HANGERS AND THEIR LOCATIONS.
9. PROVIDE PIGGY-BACK TRUSSES AS REQUIRED.
10. PROVIDE MULTIPLE TRUSSES AS REQUIRED FOR LOADING AND BEARING.
11. "VT-..." TRUSSES TO BE TRUSS SUPPLIER'S TYPICAL VALLEY TRUSS CONFIGURATION WITH CONTINUOUS BOTTOM CHORD. PRECUT JACK RAFTERS SHALL NOT BE USED.
12. TRUSS SUPPLIER SHALL PROVIDE ALL REQUIRED HANGERS, ANCHORS, AND CLIPS RATED FOR ANTICIPATED TRUSS OR BEAM END REACTIONS, FRAMING INTO AND/OR SUPPORTED BY ALL TRUSSES. HURRICANE RESTRAINT ANCHORS SHALL BE SUPPLIED AT ALL SUPPORT AND BEARING LOCATIONS OF ALL ROOF TRUSSES.
13. ALL WIND UPLIFT PRESSURES FOR THE DESIGN OF THE TRUSS MEMBERS AND HANGERS/CLIPS/TIES SHALL BE THE GREATER OF THOSE CALCULATED USING MWFRS AND COMPONENTS & CLADDING PROCEDURES.
14. AT CATWALKS, DESIGN TRUSSES FOR AN ADDITIONAL BOTTOM CHORD DEAD LOAD OF 5 PSF AND LIVE LOAD OF 40 PSF, APPLIED CONCURRENTLY WITH ALL OTHER LOADS.



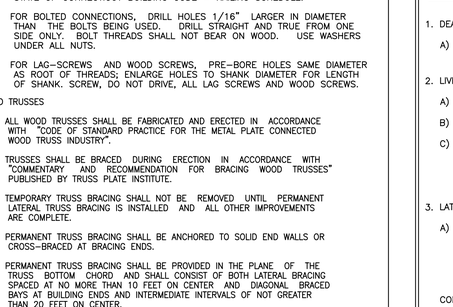
TYPICAL CONCRETE WALL CORNER BAR DETAILS

SCALE: NONE



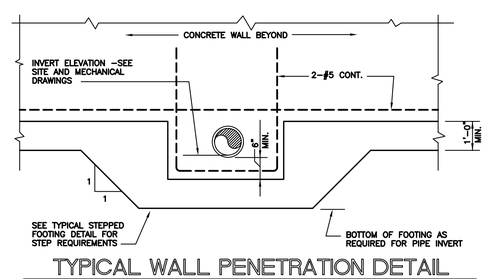
TYPICAL STEPPED FOOTING DETAIL

SCALE: NONE



TYPICAL FOUNDATION WALL CONTROL (C.W.) JOINT DETAIL

SCALE : NONE



TYPICAL WALL PENETRATION DETAIL

SCALE: NONE

SZEWCZAK ASSOCIATES
CONSULTING ENGINEERS
AVON PARK NORTH
200 FISHER DRIVE
AVON, CT 06001
TEL: 860.677.4570
szewczakassociates.com

SUBMISSIONS & REVISIONS

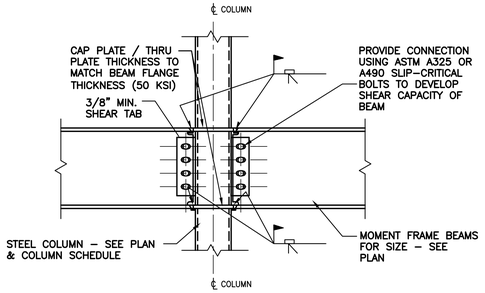
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

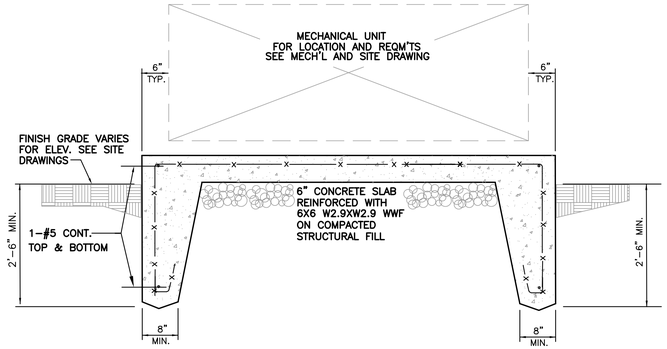
GENERAL NOTES & TYPICAL DETAILS

PROJ. NO.	DRAWING NO.
JH1830	S-0.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



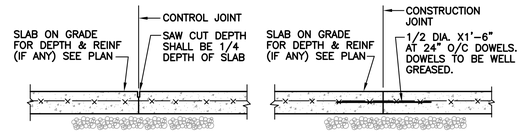
TYPICAL BEAM TO COLUMN MOMENT CONNECTION

SCALE: NONE



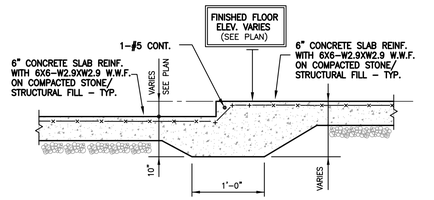
TYPICAL MECH'L UNIT SUPPORT PAD DETAIL

SCALE: NONE



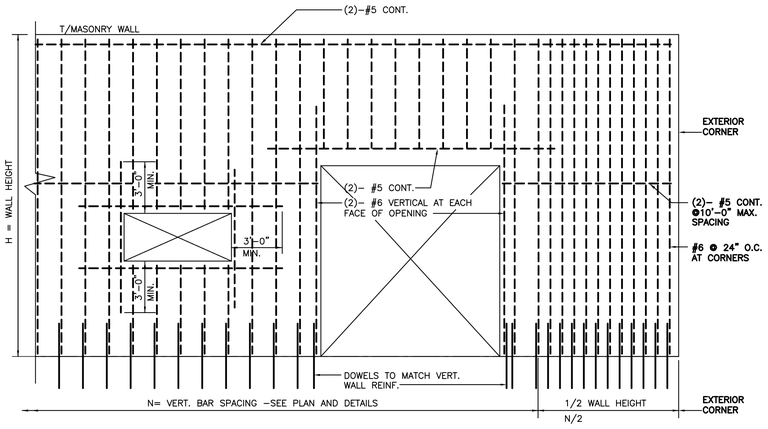
TYPICAL CONTROL JOINT DETAILS IN CONCRETE SLAB ON GRADE

SCALE: NONE



TYPICAL SLAB DEPRESSION DETAIL

SCALE: 3/4" = 1'-0"



TYPICAL MASONRY WALL REINFORCEMENT

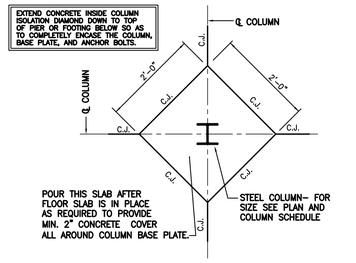
NOT TO SCALE

WOOD BEARING WALL HEADER SCHEDULE

MARK	CLEAR OPENING WIDTH	HEADER SIZE	REMARKS
H–●	3'–6"	(3)–2x8	
H–●	12'–0" ●	(3)–1 3/4"x14" LVL	SEE NOTE #6
H–●			

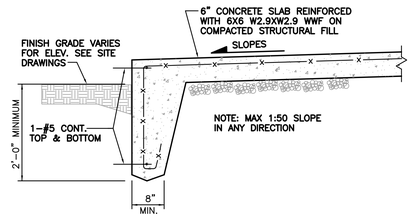
NOTES:

1. SPANS INDICATED ARE MAXIMUM CLEAR OPENING SPANS ALLOWED.
2. "H–●" INDICATES HEADER AS REQUIRED AT BEARING WALL – SEE PLAN AND ARCHITECTURAL DRAWINGS FOR AND OPENING SIZE REQUIRED.
3. PROVIDE DOUBLE 1/2" PLYWOOD FILLERS AS REQUIRED TO MATCH HEADER WIDTH WITH 2X6 BEARING WALL WIDTH.
4. INSTALL SINGLE JACK STUD BENEATH ALL HEADER ENDS EXCEPT:
   ● INDICATES MINIMUM DOUBLE JACK STUD IS REQUIRED AT ALL HEADER ENDS.
5. ALL HEADERS SHALL BEAR DIRECTLY UPON JACK STUDS. NO SHIM BLOCKS ARE PERMITTED BENEATH HEADER BEARINGS.
6. WHERE INDICATED ON SCHEDULE, ALIGN TOP OF HEADER WITH UNDERSIDE OF DOUBLE TOP PLATE. FASTEN 2x6 PLATES/SHIMS TO UNDERSIDE OF BEAM AS REQUIRED TO MATCH OPENING SIZE.



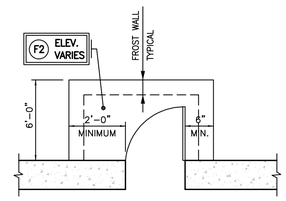
TYPICAL ISOLATION JOINT AT COLUMN DETAIL

SCALE: NONE



TYPICAL FROST WALL DETAIL

SCALE: NONE



TYPICAL DOOR PART PLAN

SCALE: NONE

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
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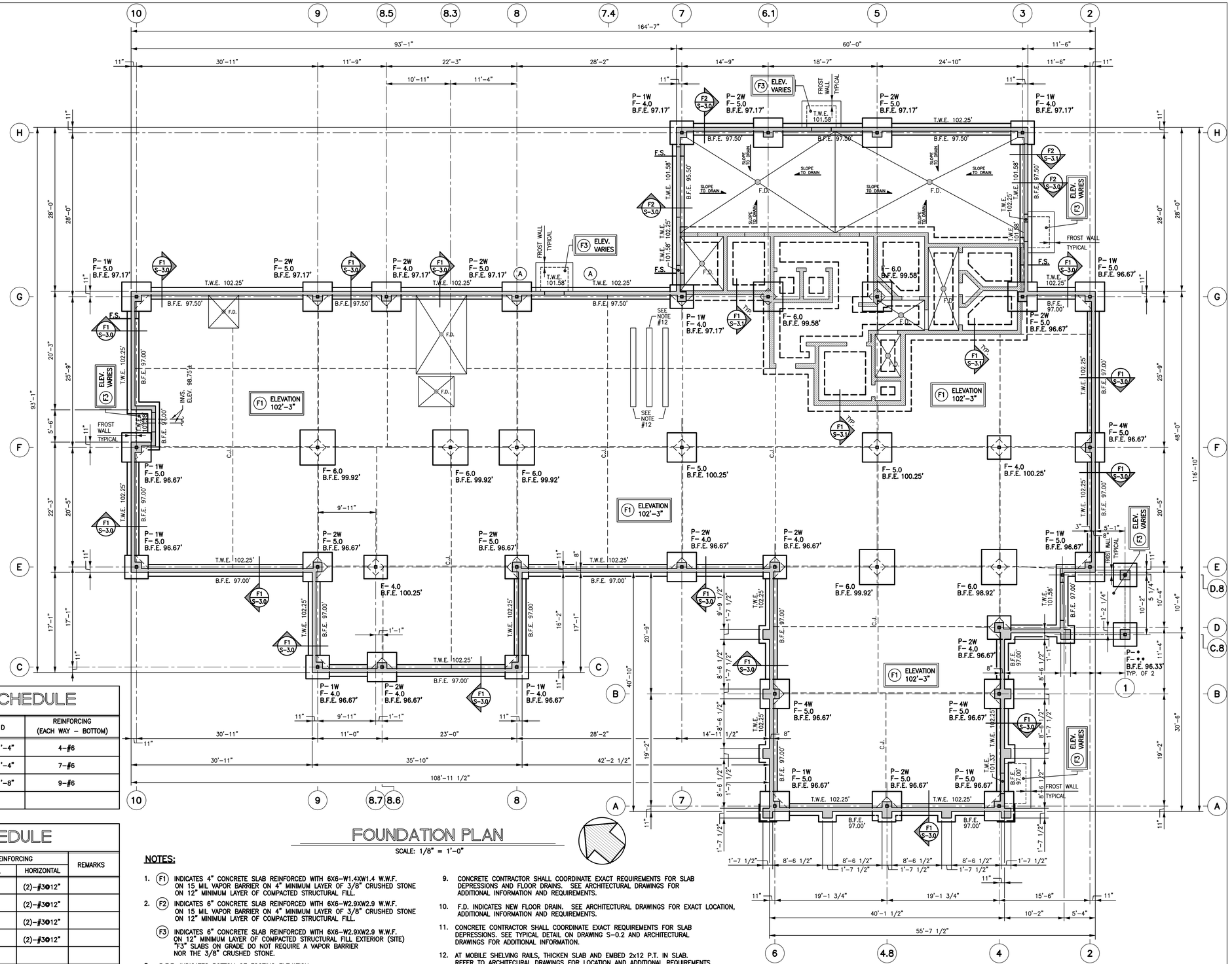
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

TYPICAL DETAILS

PROJ. NO. JH1830	DRAWING NO. S-0.2
SCALE As Noted	
DATE OCTOBER 2, 2019	



FOOTING SCHEDULE

DESIGNATION	SIZE – W X L X D	REINFORCING (EACH WAY – BOTTOM)
F–4.0	4'–0" X 4'–0" X 1'–4"	4–#6
F–5.0	5'–0" X 5'–0" X 1'–4"	7–#6
F–6.0	6'–0" X 6'–0" X 1'–8"	9–#6

PIER SCHEDULE

DESIGNATION	SIZE	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
P–1	20" X 20"	6–#6	(2)–#3@12"	
P–2	20" X 18"	6–#6	(2)–#3@12"	
P–3	22" X 22"	6–#6	(2)–#3@12"	
P–4	22" X 18"	6–#6	(2)–#3@12"	

NOTES:

1. ALL VERTICAL PIER REINFORCING SHALL BE DOWELED INTO FOOTING.
2. ALL PIER SIZES INDICATED ARE MINIMUM EFFECTIVE PIER SIZES REQUIRED. FOR ACTUAL PIER SIZE REQUIRED – SEE ARCHITECTURAL DRAWINGS.
3. SUFFIX "...W" INDICATES THAT PIER SHALL BE PLACED MONOLITHIC WITH FOUNDATION WALL.
4. PROVIDE FOUR ADDITIONAL HORIZONTAL TIES SPACED AT 3" O.C. AT TOP OF PIER.

FOUNDATION PLAN

SCALE: 1/8" = 1'–0"

NOTES:

1. (F1) INDICATES 4" CONCRETE SLAB REINFORCED WITH 6X6–W1.4XW1.4 W.W.F. ON 15 MIL VAPOR BARRIER ON 4" MINIMUM LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
2. (F2) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6–W2.9XW2.9 W.W.F. ON 15 MIL VAPOR BARRIER ON 4" MINIMUM LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.

   (F3) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6–W2.9XW2.9 W.W.F. ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL EXTERIOR (SITE) "F3" SLABS ON GRADE DO NOT REQUIRE A VAPOR BARRIER NOR THE 3/8" CRUSHED STONE.
3. B.F.E. INDICATES BOTTOM OF FOOTING ELEVATION.
4. T.W.E. INDICATES TOP OF WALL ELEVATION. DROP TOP OF WALL ELEVATION TO 8" BELOW FIN. FLOOR ELEVATION AT ALL DOOR OPENING – U.O.N.
5. T.S.E. INDICATES TOP OF MASONRY SHELF ELEVATION.
6. C.J. INDICATES CONTROL JOINT IN CONCRETE SLAB.
7. F.S. INDICATES FOOTING STEP – SEE TYPICAL DETAIL ON DRAWING S–0.1.
8. WHERE UTILITY LINES (i.e. SANITARY, WATER, ETC.) PENETRATE FOUNDATION WALL DROP BOTTOM OF FOOTING ELEVATION AS REQUIRED TO ALLOW UTILITY LINE TO PASS THRU FOUNDATION WALL. COORDINATE LOCATION AND ELEVATIONS WITH MECHANICAL AND SITE REQUIREMENTS.
9. CONCRETE CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR SLAB DEPRESSIONS AND FLOOR DRAINS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. F.D. INDICATES NEW FLOOR DRAIN. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION, ADDITIONAL INFORMATION AND REQUIREMENTS.
11. CONCRETE CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR SLAB DEPRESSIONS. SEE TYPICAL DETAIL ON DRAWING S–0.2 AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. AT MOBILE SHELVING RAILS, THICKEN SLAB AND EMBED 2x12 P.T. IN SLAB. REFER TO ARCHITECURAL DRAWINGS FOR LOCATION AND ADDITIONAL REQUIREMENTS.
13. F.D. INDICATES FLOOR DRAIN. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION, ADDITIONAL INFORMATION AND REQUIREMENTS.
14. (A1) INDICATES HSS5x5x3/8 STEEL CANOPY POST ON 12"x3/4"x6" BASE PLATE WITH (2)–3/4"ø ADHESIVE ANCHOR RODS WITH 6" EMBEDMENT IN FOUNDATION WALL.

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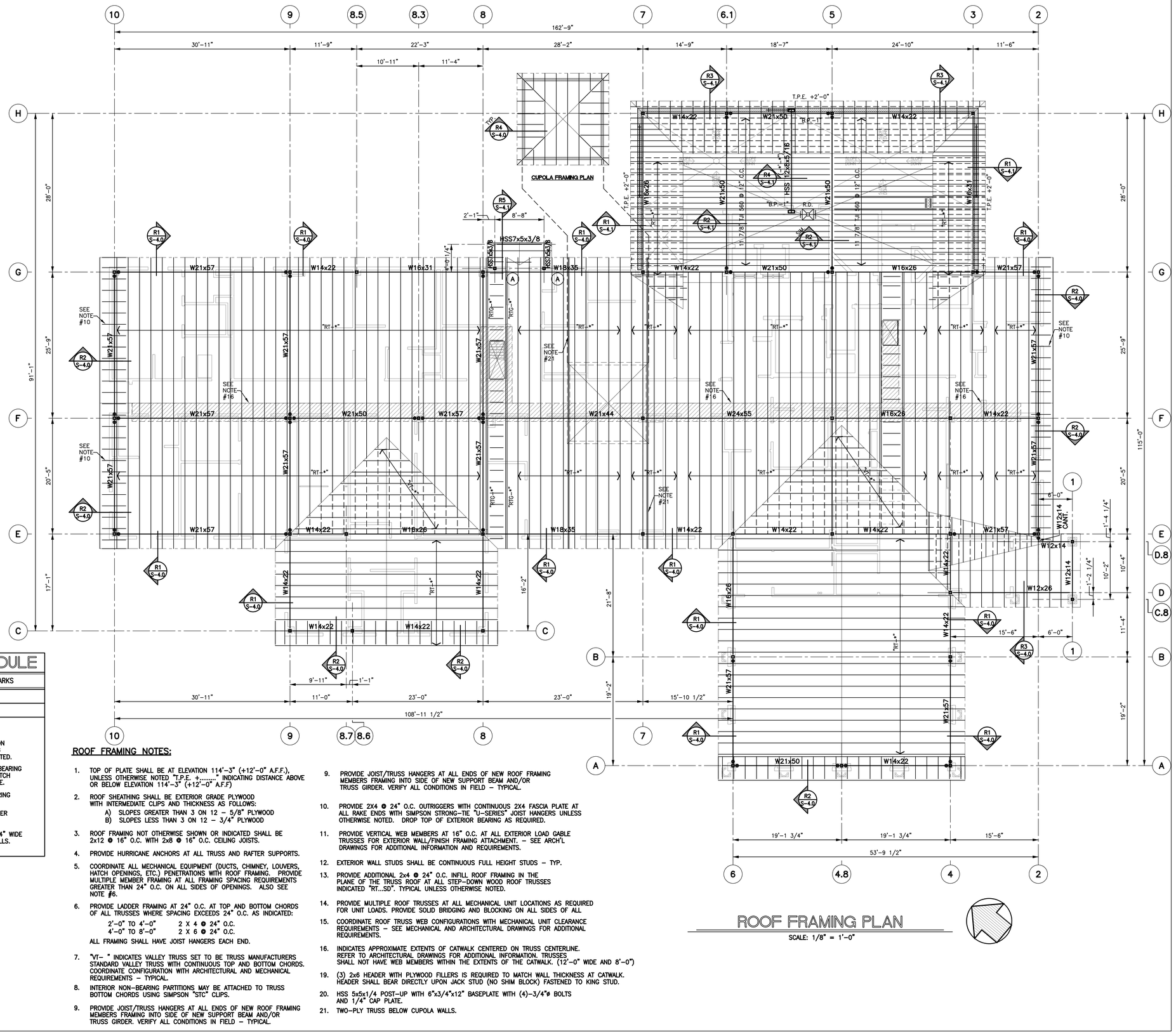
FOUNDATION PLAN

PROJ. NO.	DRAWING NO.
JH1830	S-1.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



BEARING PLATE SCHEDULE

BEARING PLATE MARK	SIZE	REMARKS
BP-1	16"x3/4"x4"	

NOTES:

1. PROVIDE BEARING PLATE AT ALL BEAMS BEARING ON MASONRY AND/OR CONCRETE WALLS. ALL BEARING PLATES SHALL BE "BP-1" UNLESS OTHERWISE NOTED.
2. PROVIDE POCKETS AS REQUIRED FOR ALL BEAMS BEARING ON WALLS. FILL ALL BEAM POCKETS SOLID TO MATCH ADJACENT CONSTRUCTION AFTER BEAM IS IN PLACE.
3. PROVIDE (2)-1/2"ø ANCHOR BOLTS AT EACH BEARING PLATE.
4. PROVIDE MINIMUM OF 1" NON-SHRINK GROUT UNDER ALL BEARING PLATES.
5. GROUT SOLID MINIMUM OF THREE (3) COURSES, 24" WIDE DIRECTLY BELOW BEAM BEARING ON MASONRY WALLS.

ROOF FRAMING NOTES:

1. TOP OF PLATE SHALL BE AT ELEVATION 114'-3" (+12'-0" A.F.F.), UNLESS OTHERWISE NOTED "T.P.E. +....." INDICATING DISTANCE ABOVE OR BELOW ELEVATION 114'-3" (+12'-0" A.F.F.)
2. ROOF SHEATHING SHALL BE EXTERIOR GRADE PLYWOOD WITH INTERMEDIATE CLIPS AND THICKNESS AS FOLLOWS:
   A) SLOPES GREATER THAN 3 ON 12 – 5/8" PLYWOOD
   B) SLOPES LESS THAN 3 ON 12 – 3/4" PLYWOOD
3. ROOF FRAMING NOT OTHERWISE SHOWN OR INDICATED SHALL BE 2x12 @ 16" O.C. WITH 2x8 @ 16" O.C. CEILING JOISTS.
4. PROVIDE HURRICANE ANCHORS AT ALL TRUSS AND RAFTER SUPPORTS.
5. COORDINATE ALL MECHANICAL EQUIPMENT (DUCTS, CHIMNEY, LOUVERS, HATCH OPENINGS, ETC.) PENETRATIONS WITH ROOF FRAMING. PROVIDE MULTIPLE MEMBER FRAMING AT ALL FRAMING SPACING REQUIREMENTS GREATER THAN 24" O.C. ON ALL SIDES OF OPENINGS. ALSO SEE NOTE #6.
6. PROVIDE LADDER FRAMING AT 24" O.C. AT TOP AND BOTTOM CHORDS OF ALL TRUSSES WHERE SPACING EXCEEDS 24" O.C. AS INDICATED:
   2'-0" TO 4'-0" 2 X 4 @ 24" O.C.
   4'-0" TO 8'-0" 2 X 6 @ 24" O.C.
   ALL FRAMING SHALL HAVE JOIST HANGERS EACH END.
7. "VT- " INDICATES VALLEY TRUSS SET TO BE TRUSS MANUFACTURERS STANDARD VALLEY TRUSS WITH CONTINUOUS TOP AND BOTTOM CHORDS. COORDINATE CONFIGURATION WITH ARCHITECTURAL AND MECHANICAL REQUIREMENTS – TYPICAL.
8. INTERIOR NON-BEARING PARTITIONS MAY BE ATTACHED TO TRUSS BOTTOM CHORDS USING SIMPSON "STC" CLIPS.
9. PROVIDE JOIST/TRUSS HANGERS AT ALL ENDS OF NEW ROOF FRAMING MEMBERS FRAMING INTO SIDE OF NEW SUPPORT BEAM AND/OR TRUSS GIRDER. VERIFY ALL CONDITIONS IN FIELD – TYPICAL.
10. PROVIDE 2X4 @ 24" O.C. OUTRIGGERS WITH CONTINUOUS 2X4 FASCIA PLATE AT ALL RAKE ENDS WITH SIMPSON STRONG-TIE "U-SERIES" JOIST HANGERS UNLESS OTHERWISE NOTED. DROP TOP OF EXTERIOR BEARING AS REQUIRED.
11. PROVIDE VERTICAL WEB MEMBERS AT 16" O.C. AT ALL EXTERIOR LOAD GABLE TRUSSES FOR EXTERIOR WALL/FINISH FRAMING ATTACHMENT. – SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. EXTERIOR WALL STUDS SHALL BE CONTINUOUS FULL HEIGHT STUDS – TYP.
13. PROVIDE ADDITIONAL 2x4 @ 24" O.C. INFILL ROOF FRAMING IN THE PLANE OF THE TRUSS ROOF AT ALL STEP-DOWN WOOD ROOF TRUSSES INDICATED "RT...SD". TYPICAL UNLESS OTHERWISE NOTED.
14. PROVIDE MULTIPLE ROOF TRUSSES AT ALL MECHANICAL UNIT LOCATIONS AS REQUIRED FOR UNIT LOADS. PROVIDE SOLID BRIDGING AND BLOCKING ON ALL SIDES OF ALL.
15. COORDINATE ROOF TRUSS WEB CONFIGURATIONS WITH MECHANICAL UNIT CLEARANCE REQUIREMENTS – SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
16. INDICATES APPROXIMATE EXTENTS OF CATWALK CENTERED ON TRUSS CENTERLINE. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. TRUSSES SHALL NOT HAVE WEB MEMBERS WITHIN THE EXTENTS OF THE CATWALK. (12'-0" WIDE AND 8'-0")
19. (3) 2x6 HEADER WITH PLYWOOD FILLERS IS REQUIRED TO MATCH WALL THICKNESS AT CATWALK. HEADER SHALL BEAR DIRECTLY UPON JACK STUD (NO SHIM BLOCK) FASTENED TO KING STUD.
20. HSS 5x5x1/4 POST-UP WITH 6"x3/4"x12" BASEPLATE WITH (4)-3/4"ø BOLTS AND 1/4" CAP PLATE.
21. TWO-PLY TRUSS BELOW CUPOLA WALLS.

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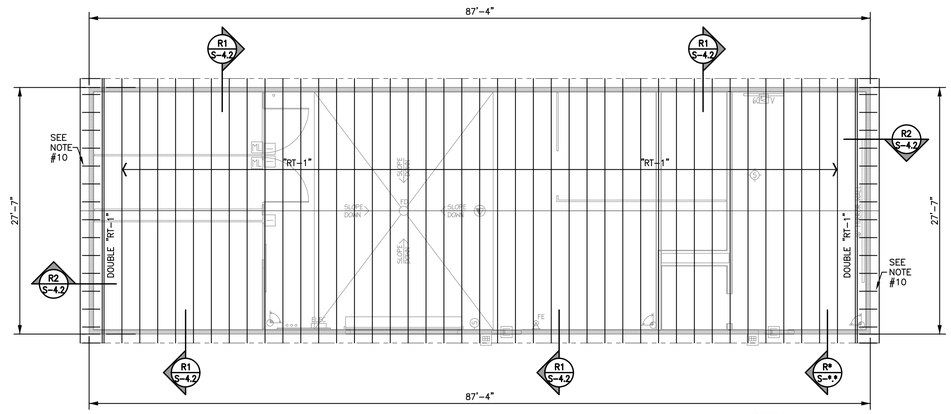
ROOF FRAMING PLAN

PROJ. NO.	DRAWING NO.
JH1830	S-1.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

ROOF FRAMING PLAN NOTES:

1. TOP OF PLATE SHALL BE AT ELEVATION 114'–3" (+12'–0" A.F.F.), UNLESS OTHERWISE NOTED "T.P.E. +....." INDICATING DISTANCE ABOVE OR BELOW ELEVATION 114'–3" (+12'–0" A.F.F)
2. ROOF SHEATHING SHALL BE EXTERIOR GRADE PLYWOOD WITH INTERMEDIATE CLIPS AND THICKNESS AS FOLLOWS:
   A) SLOPES GREATER THAN 3 ON 12 – 5/8" PLYWOOD
   B) SLOPES LESS THAN 3 ON 12 – 3/4" PLYWOOD
3. ▭ INDICATES WOOD STUD BEARING WALL BELOW. ALL EXTERIOR WALLS SHALL BE CONSIDERED BEARING WALLS. SEE ROOF HEADER SCHEDULE ON DRAWING S0.2 FOR ADDITIONAL REQUIREMENTS.
4. ROOF FRAMING NOT OTHERWISE SHOWN OR INDICATED SHALL BE 2x12 @ 16" O.C. WITH 2x8 @ 16" O.C. CEILING JOISTS.
5. PROVIDE HURRICANE ANCHORS AT ALL TRUSS AND RAFTER SUPPORTS.
6. COORDINATE ALL MECHANICAL EQUIPMENT (DUCTS, CHIMNEY, LOUVERS, HATCH OPENINGS, ETC.) PENETRATIONS WITH ROOF FRAMING. PROVIDE MULTIPLE MEMBER FRAMING AT ALL FRAMING SPACING REQUIREMENTS GREATER THAN 24" O.C. ON ALL SIDES OF OPENINGS. ALSO SEE NOTE #6.
7. PROVIDE LADDER FRAMING AT 24" O.C. AT TOP AND BOTTOM CHORDS OF ALL TRUSSES WHERE SPACING EXCEEDS 24" O.C. AS INDICATED:
   2'–0" TO 4'–0" 2 X 4 @ 24" O.C.
   4'–0" TO 8'–0" 2 X 6 @ 24" O.C.
   ALL FRAMING SHALL HAVE JOIST HANGERS EACH END.
8. "VT– " INDICATES VALLEY TRUSS SET TO BE TRUSS MANUFACTURERS STANDARD VALLEY TRUSS WITH CONTINUOUS TOP AND BOTTOM CHORDS. COORDINATE CONFIGURATION WITH ARCHITECTURAL AND MECHANICAL REQUIREMENTS – TYPICAL.
9. INTERIOR NON–BEARING PARTITIONS MAY BE ATTACHED TO TRUSS BOTTOM CHORDS USING SIMPSON "STC" CLIPS.
10. PROVIDE JOIST/TRUSS HANGERS AT ALL ENDS OF NEW ROOF FRAMING MEMBERS FRAMING INTO SIDE OF NEW SUPPORT BEAM AND/OR TRUSS GIRDER. VERIFY ALL CONDITIONS IN FIELD – TYPICAL.
11. PROVIDE JOIST/TRUSS HANGERS AT ALL ENDS OF NEW ROOF FRAMING MEMBERS FRAMING INTO SIDE OF NEW SUPPORT BEAM AND/OR TRUSS GIRDER. VERIFY ALL CONDITIONS IN FIELD – TYPICAL.
12. PROVIDE 2X4 @ 24" O.C. OUTRIGGERS WITH CONTINUOUS 2X4 FASCIA PLATE AT ALL RAKE ENDS WITH SIMPSON STRONG–TIE "U–SERIES" JOIST HANGERS UNLESS OTHERWISE NOTED. DROP TOP OF EXTERIOR BEARING AS REQUIRED.
13. PROVIDE VERTICAL WEB MEMBERS AT 16" O.C. AT ALL EXTERIOR LOAD GABLE TRUSSES FOR EXTERIOR WALL/FINISH FRAMING ATTACHMENT. – SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
14. EXTERIOR WALL STUDS SHALL BE CONTINUOUS FULL HEIGHT STUDS – TYP.
15. PROVIDE ADDITIONAL 2x4 @ 24" O.C. INFILL ROOF FRAMING IN THE PLANE OF THE TRUSS ROOF AT ALL STEP–DOWN WOOD ROOF TRUSSES INDICATED "RT...SD". TYPICAL UNLESS OTHERWISE NOTED.
16. PROVIDE MULTIPLE ROOF TRUSSES AT ALL MECHANICAL UNIT LOCATIONS AS REQUIRED FOR UNIT LOADS. PROVIDE SOLID BRIDGING AND BLOCKING ON ALL SIDES OF ALL
17. COORDINATE ROOF TRUSS WEB CONFIGURATIONS WITH MECHANICAL UNIT CLEARANCE REQUIREMENTS – SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.



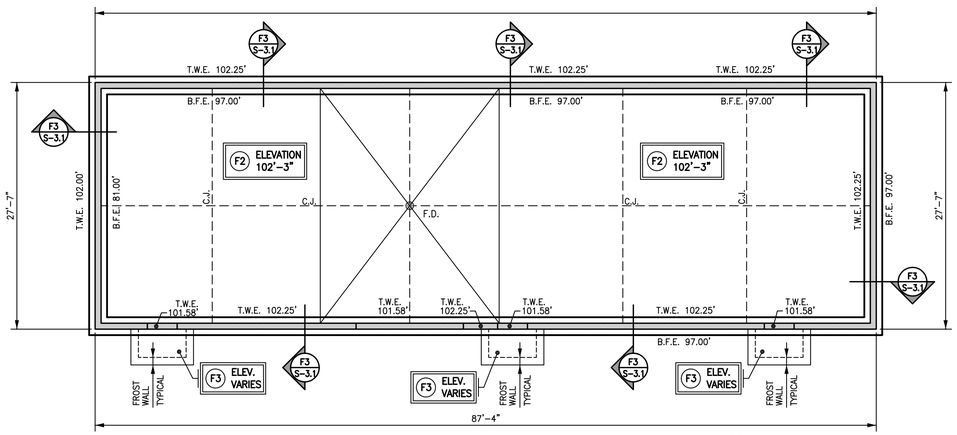
ALTERNATE #1 ROOF FRAMING PLAN

SCALE: 1/8" = 1'–0"

FOUNDATION PLANS NOTES:

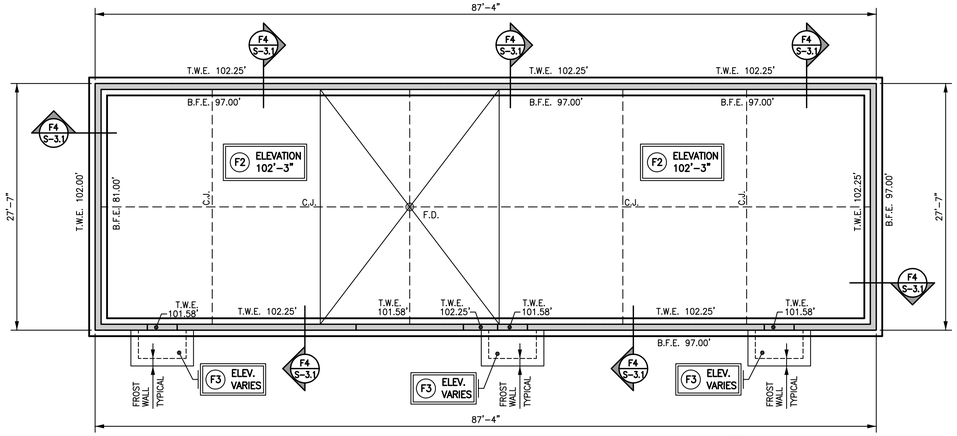
1. (F1) INDICATES 4" CONCRETE SLAB REINFORCED WITH 6X6–W1.4XW1.4 W.W.F. ON 15 MIL VAPOR BARRIER ON 4" MINIMUM LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
2. (F2) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6–W2.9XW2.9 W.W.F. ON 15 MIL VAPOR BARRIER ON 4" MINIMUM LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.

   (F3) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6–W2.9XW2.9 W.W.F. ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL EXTERIOR (SITE) "F3" SLABS ON GRADE DO NOT REQUIRE A VAPOR BARRIER NOR THE 3/8" CRUSHED STONE.
3. B.F.E. INDICATES BOTTOM OF FOOTING ELEVATION.
4. T.W.E. INDICATES TOP OF WALL ELEVATION. DROP TOP OF WALL ELEVATION TO 8" BELOW FIN. FLOOR ELEVATION AT ALL DOOR OPENING – U.O.N.
5. T.S.E. INDICATES TOP OF MASONRY SHELF ELEVATION.
6. C.J. INDICATES CONTROL JOINT IN CONCRETE SLAB.
7. F.S. INDICATES FOOTING STEP – SEE TYPICAL DETAIL ON DRAWING S–0.1.
8. WHERE UTILITY LINES (i.e. SANITARY, WATER, ETC.) PENETRATE FOUNDATION WALL DROP BOTTOM OF FOOTING ELEVATION AS REQUIRED TO ALLOW UTILITY LINE TO PASS THRU FOUNDATION WALL. COORDINATE LOCATION AND ELEVATIONS WITH MECHANICAL AND SITE REQUIREMENTS.
9. CONCRETE CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR SLAB DEPRESSIONS AND FLOOR DRAINS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. F.D. INDICATES NEW FLOOR DRAIN. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION, ADDITIONAL INFORMATION AND REQUIREMENTS.
11. CONCRETE CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR SLAB DEPRESSIONS. SEE TYPICAL DETAIL ON DRAWING S–0.2 AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



ALTERNATE #1 FOUNDATION PLAN

SCALE: 1/8" = 1'–0"



BASE BID FOUNDATION PLAN

SCALE: 1/8" = 1'–0"

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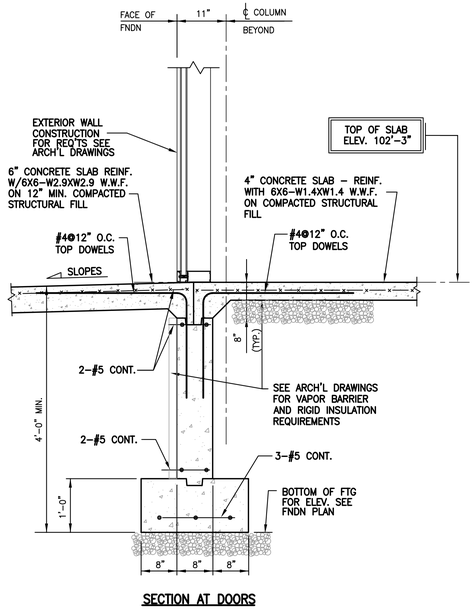
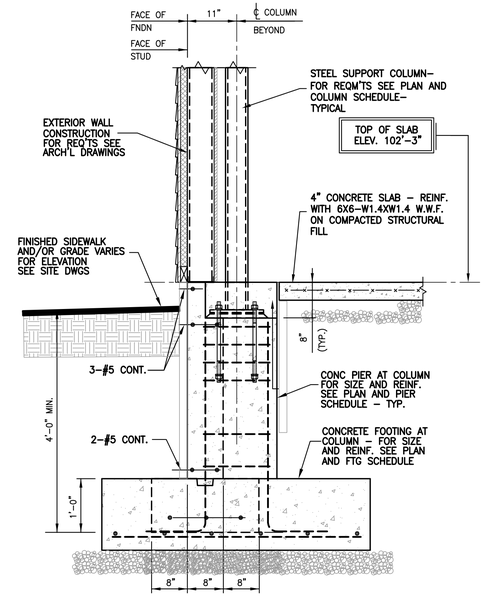
OUTBUILDING FOUNDATION & ROOF FRAMING PLANS

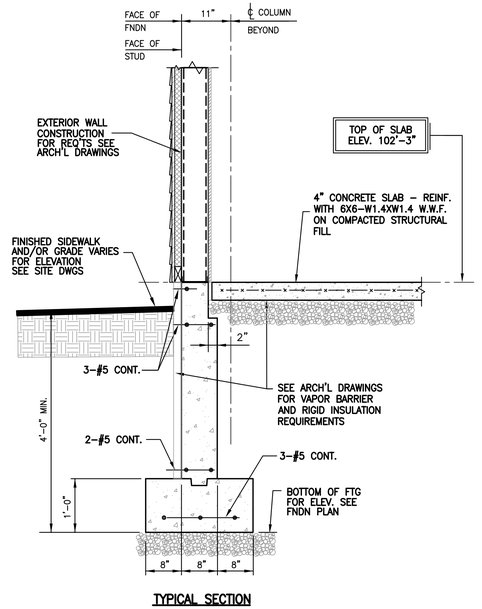
PROJ. NO.	DRAWING NO.
JH1830	S-2.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



SECTION AT DOORS



VARIATION AT COLUMN



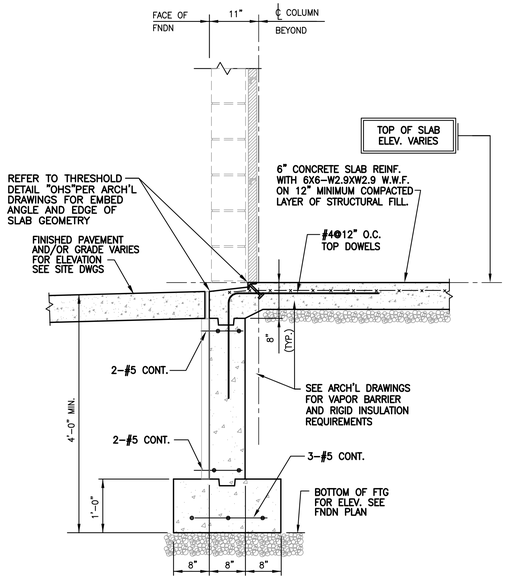
TYPICAL SECTION

EXTERIOR FOUNDATION WALL F1 S-3.0

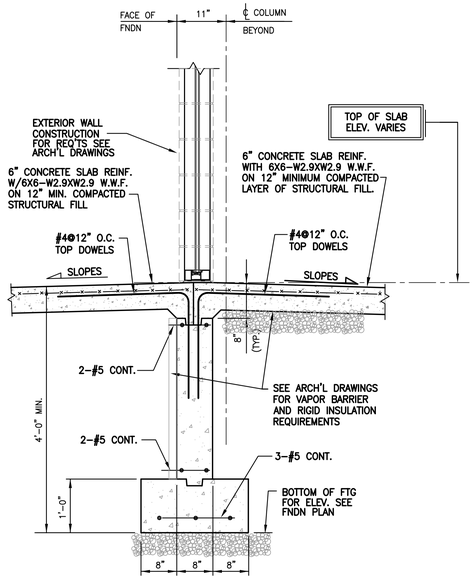
SCALE: 3/4" = 1'-0"

EXTERIOR FOUNDATION WALL F1 S-3.0

SCALE: 3/4" = 1'-0"



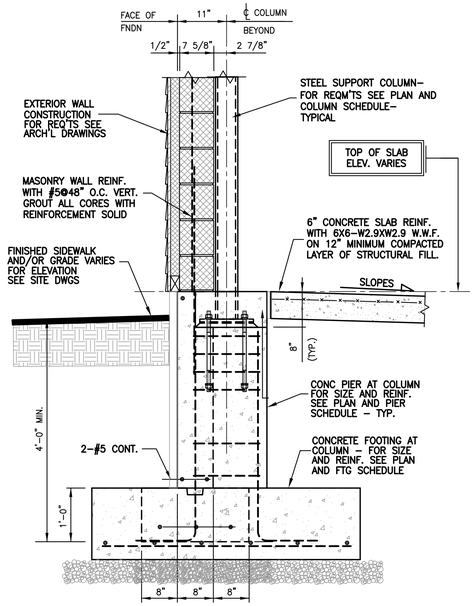
SECTION AT GARAGE O.H. DOORS



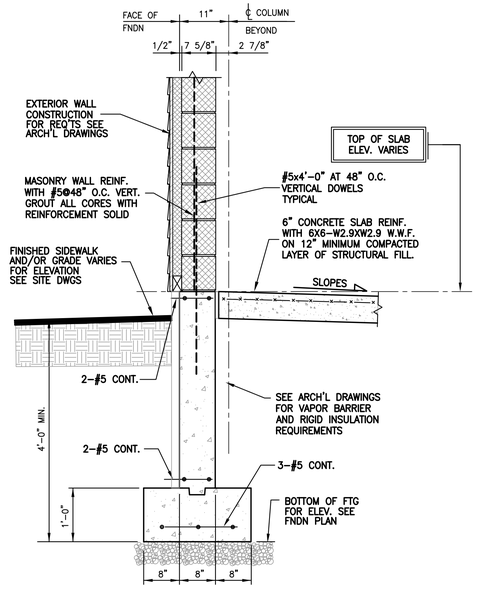
SECTION AT "MAN" DOORS

EXTERIOR FOUNDATION WALL F2 S-3.0

SCALE: 3/4" = 1'-0"



VARIATION AT COLUMN



TYPICAL SECTION

EXTERIOR FOUNDATION WALL F2 S-3.0

SCALE: 3/4" = 1'-0"

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
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BERLIN, CT 06037
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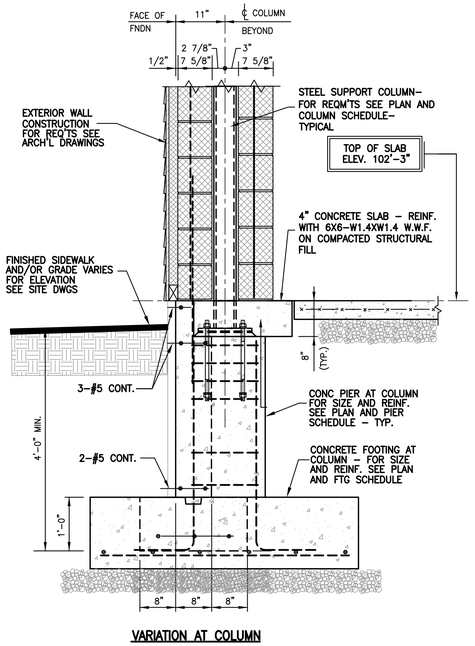
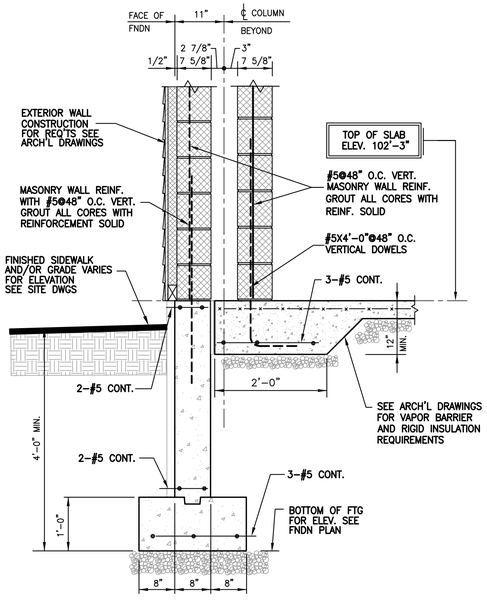
FAX 860-828-9223

FOUNDATION SECTIONS

PROJ. NO. JH1830	DRAWING NO. S-3.0
SCALE As Noted	
DATE OCTOBER 2, 2019	



VARIATION AT COLUMN

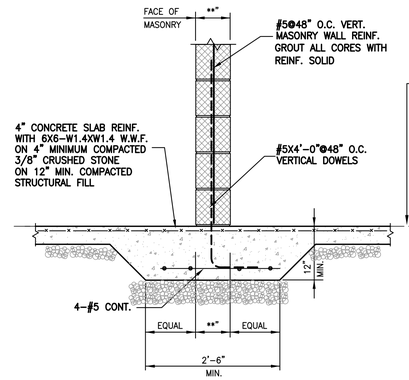


TYPICAL SECTION

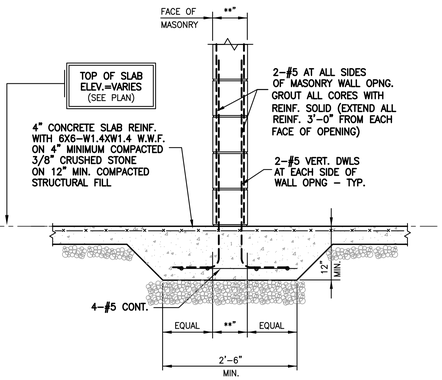
EXTERIOR FOUNDATION WALL

F2 / S–3.1

SCALE: 3/4" = 1'–0"



TYPICAL SECTION AT LOW WALLS

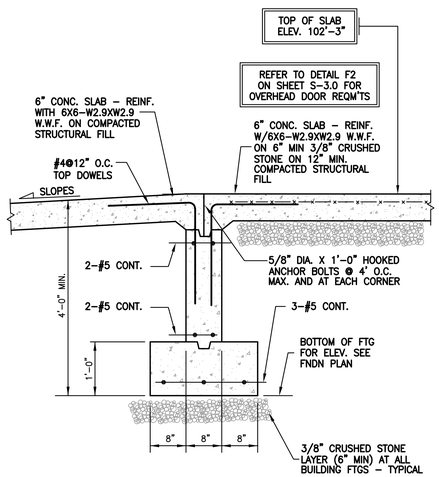


VARIATION AT DOOR OPENINGS

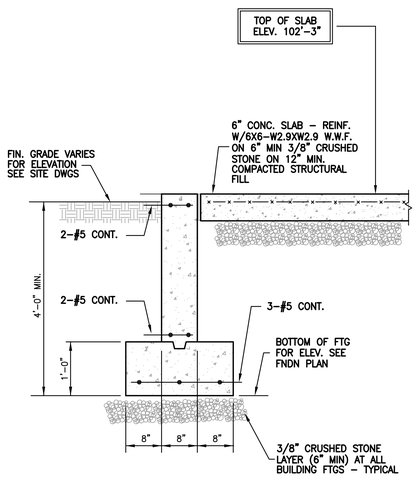
TYPICAL MASONRY WALL (HAUNCHED SLAB)

F1 / S–3.1

SCALE: NONE



VARIATION AT DOORS

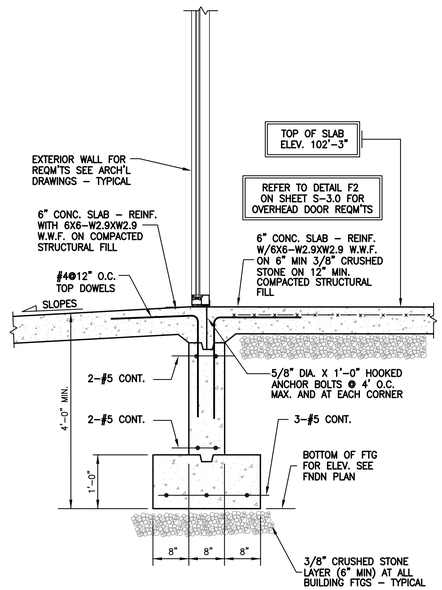


TYPICAL SECTION

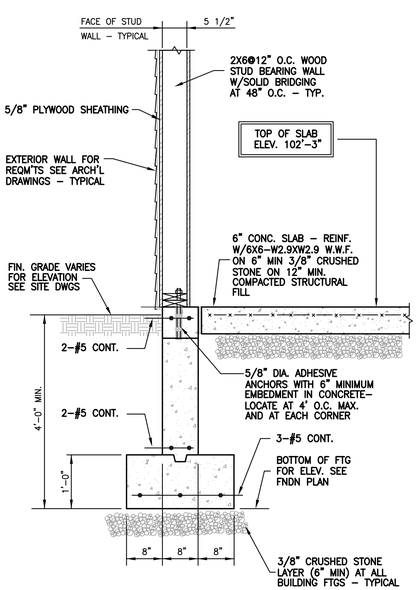
TYPICAL EXTERIOR BEARING WALL

F4 / S–3.1

SCALE: 3/4" = 1'–0"



VARIATION AT DOORS



TYPICAL SECTION

TYPICAL EXTERIOR BEARING WALL

F3 / S–3.1

SCALE: 3/4" = 1'–0"

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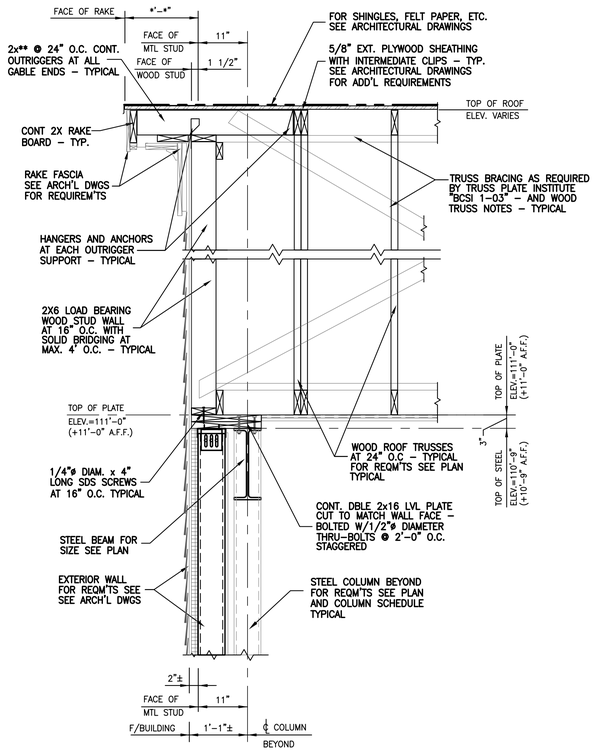
FOUNDATION SECTIONS

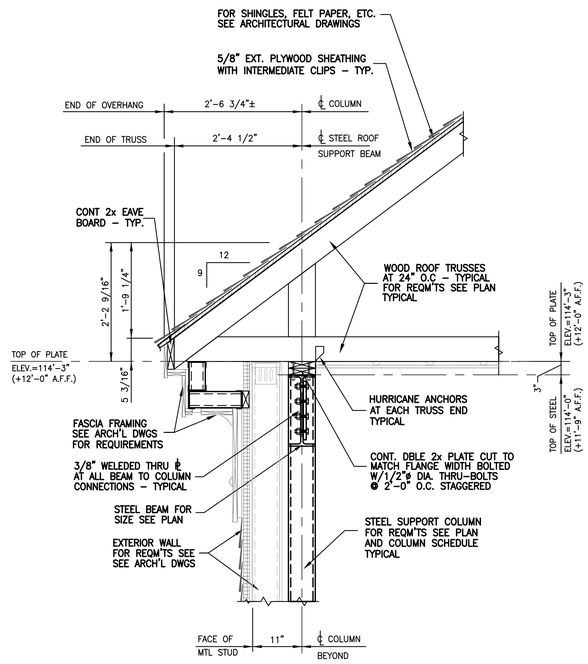
PROJ. NO.	DRAWING NO.
JH1830	*S-3.1*
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



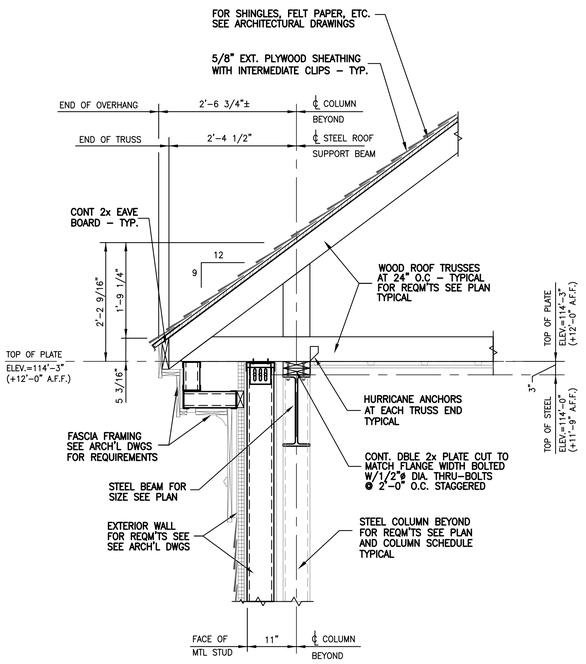
TYPICAL SECTION

TYPICAL GABLE END WALL — R2 / S–4.0

SCALE: 3/4"=1'–0"

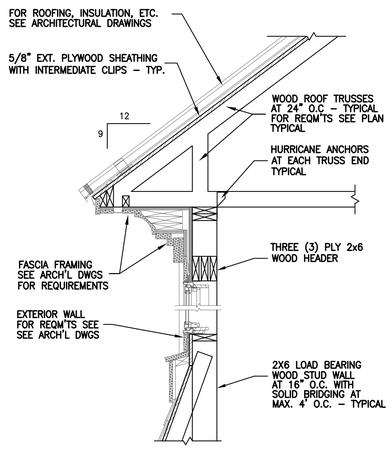


VARIATION AT COLUMNS

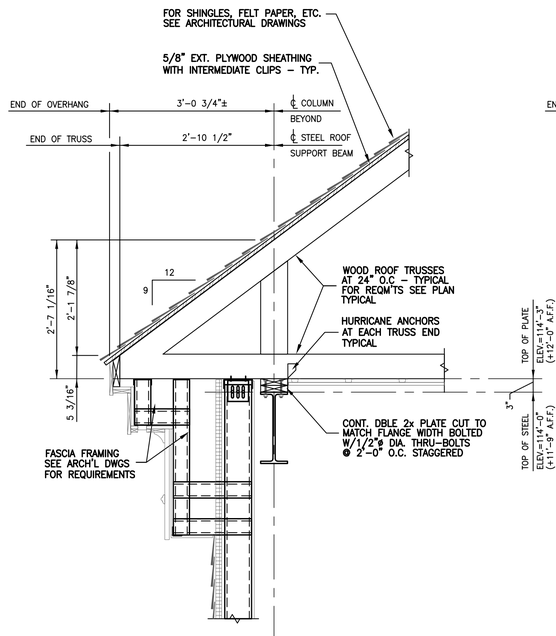


TYPICAL SECTION

EXTERIOR ROOF EAVE — R1 / S–4.0



TYPICAL CUPOLA FRAMING — R4 / S–4.0



VARIATION AT VESTIBULE

TYPICAL SECTION

CANOPY ROOF EAVE — R3 / S–4.0

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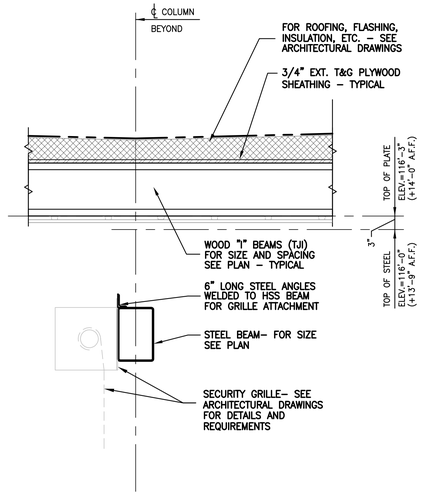
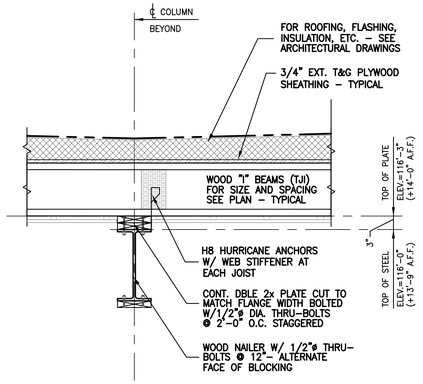
MAIN BUILDING STRUCTURAL SECTIONS

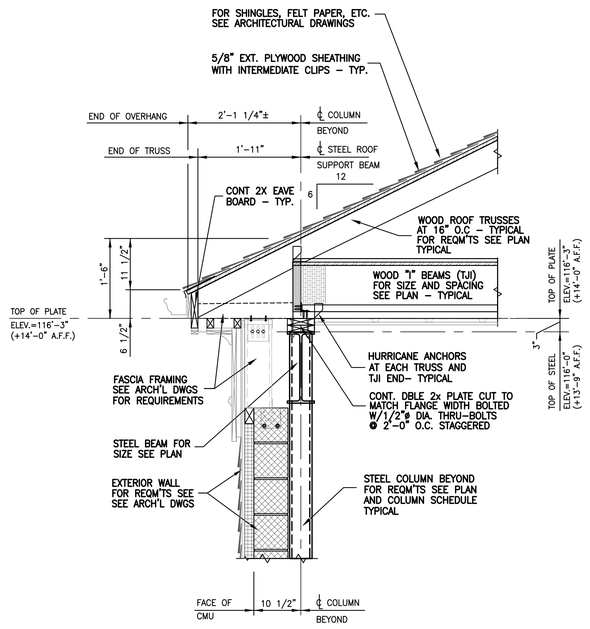
PROJ. NO.	DRAWING NO.
JH1830	S-4.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



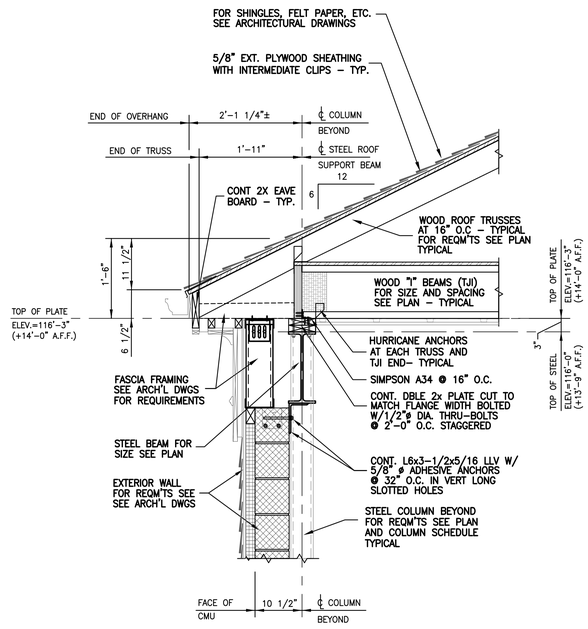
SECURITY GRILLE SUPPORT R4 S–4.1



SALLY PORT ROOF BEAM R2 S–4.1

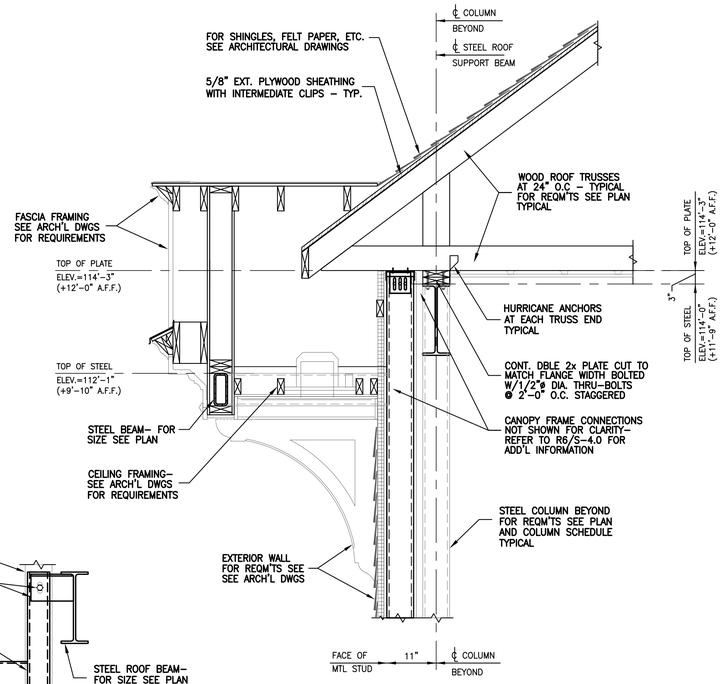


VARIATION AT COLUMN

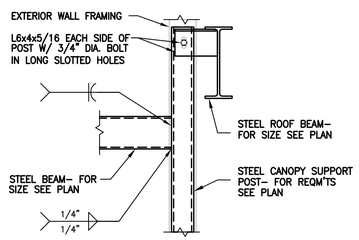


TYPICAL SECTION

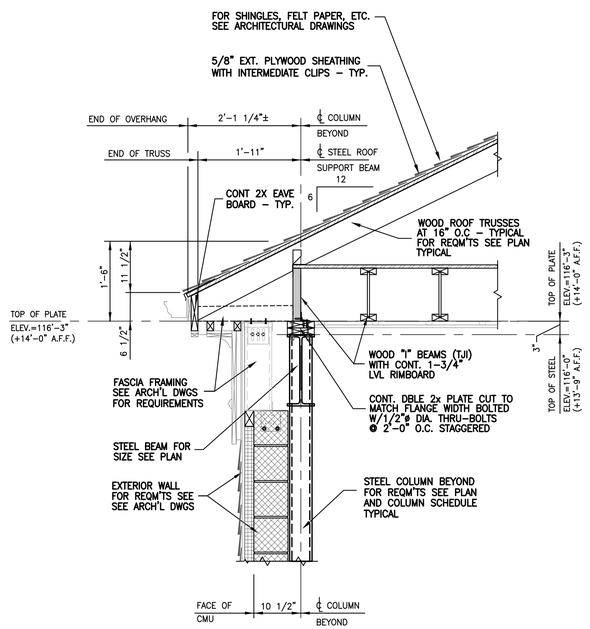
EXTERIOR ROOF EAVE R1 S–4.1



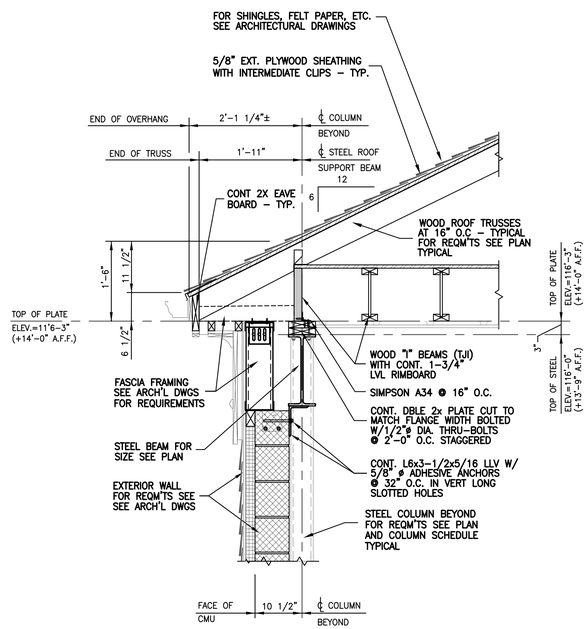
CANOPY ROOF EAVE R5 S–4.0



CANOPY FRAME CONNECTION R6 S–4.0



VARIATION AT COLUMN



TYPICAL SECTION

EXTERIOR ROOF EAVE R3 S–4.1

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SUBMISSIONS & REVISIONS		
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NEW FACILITY FOR THE
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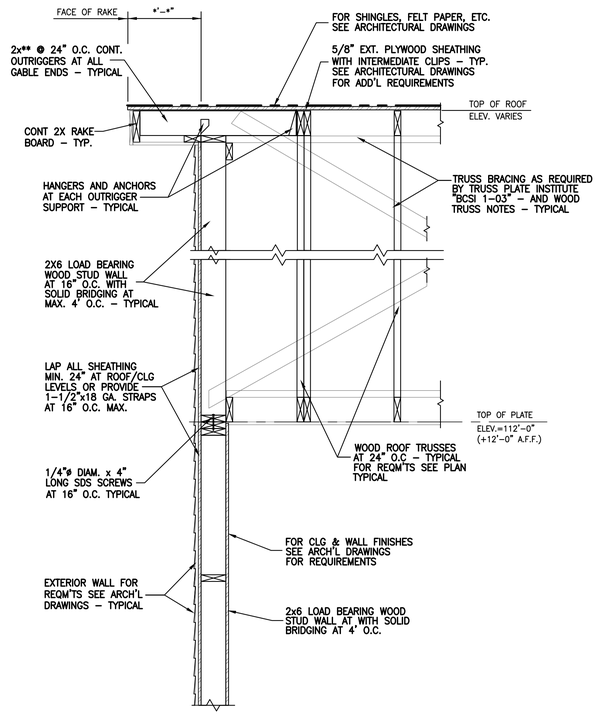
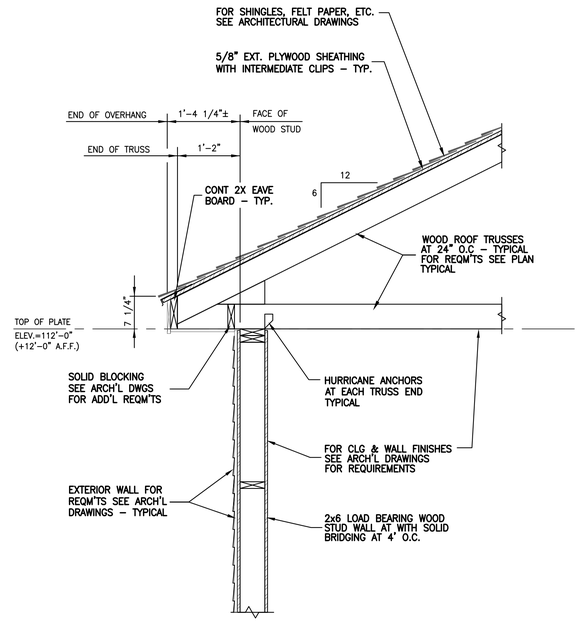
MAIN BUILDING STRUCTURAL SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	S-4.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



TYPICAL GABLE END WALL R2 S–4.2



EXTERIOR ROOF EAVE R1 S–4.2

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OUTBUILDING STRUCTURAL SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	S-4.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

COLUMN NO. / LEVEL	A			B		C			C.8 & D.8	D	E									F							
	4	4.8	6	4	6	8	8.6	9	1	4	2	4	5	6	7	8	8.7	9	10	2	4	5	7	8	8.3	9	10
TOP OF STEEL ROOF H.P.	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
ELEVATION 114'-0" (+11'-9" A.F.F.)	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	HSS6x6x1/2	HSS6x6x1/2	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x3/8	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS6x6x1/2	HSS6x6x1/2	HSS6x6x1/2	HSS5x5x1/2
11'-9"									1 1/4"																			
TOP OF SLAB MAIN FLOOR																												
ELEVATION 102'-3" (+0'-0" A.F.F.)	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"		6 3/4"	6 3/4"	1'-6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"
BASE PLATE	14"x 1 1/4"x14"	14"x 1 1/4"x14"	14"x 1 1/4"x14"	14"x 1 1/4"x14"	14"x 1 1/4"x14"	14"x3/4"x14"	14"x3/4"x12"	14"x3/4"x14"	14"x3/4"x14"	14"x3/4"x12"	14"x 1 1/4"x14"	14"x1 1/4"x14"	14"x3/4"x14"	14"x3/4"x12"	14"x3/4"x12"	14"x3/4"x12"	14"x3/4"x14"	14"x1 1/4"x12"	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x3/4"x14"	14"x3/4"x14"	14"x3/4"x14"	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x1 1/4"x14"
BASE DETAILS	F3	F2	F3	F6	F6	F3	F2	F3	F1	F4	F3	F1	F1	F4	F2	F4	F1	F4	F3	F6	F1	F1	F1	F1	F1	F1	F1	F3

COLUMN NO. / LEVEL	G										H				
	2	3	5	6.1	7	7.4	8	8.5	9	10	3	5	6.1	7	7.4
TOP OF STEEL ROOF H.P.	0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	0"	0"	0"	0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
ELEVATION 114'-0" (+11'-9" A.F.F.)	HSS5x5x1/2	HSS5x5x1/2	HSS6x6x1/2	HSS6x6x1/2	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x5/16	HSS5x5x5/16
11'-9"															
TOP OF SLAB MAIN FLOOR															
ELEVATION 102'-3" (+0'-0" A.F.F.)	6 3/4"	6 3/4"	10 3/4"	10 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"
BASE PLATE	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x1 1/4"x14"	14"x3/4"x12"	14"x3/4"x12"	14"x3/4"x12"	14"x3/4"x12"	14"x1 1/4"x12"	14"x1 1/4"x14"	14"x3/4"x14"	14"x1 1/4"x12"	14"x1 1/4"x12"	14"x3/4"x14"	14"x3/4"x14"
BASE DETAILS	F3	F4	F1	F1	F4	F4	F2	F2	F2	F3	F3	F2	F2	F3	F3

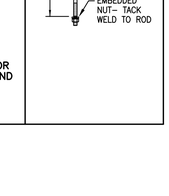
COLUMN SCHEDULE NOTES

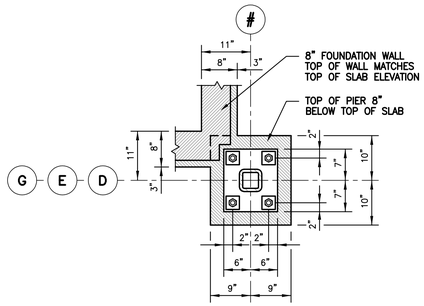
1. AT EACH STEEL COLUMN PROVIDE A 1/4" THICK LEVELING PLATE (SAME SIZE AS BASE PLATE) ON MIN. OF 1" NON-SHRINK GROUT PAD & (4)-3/4"ø ANCHOR RODS AND AN EMBEDDED HEAVY HEX THREADED NUT, UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS SHOWN ARE GIVEN TO TOP OF CAP PLATES AND TO BOTTOM OF BASE PLATES.
3. ALL BEAM TO TUBE COLUMN CONNECTIONS SHALL BE 3/8" "THRU-PLATES" UNLESS BEAM REACTION REQUIRES DOUBLE SHEAR BOLTED CONNECTION.
4. REFER TO TYPICAL DETAIL ON SHEET S-0.1 FOR CAP/THRU PLATES REQUIRED AT ALL MOMENT CONNECTIONS.
5. PROVIDE 1/4" THICK WEATHER CAP AT ALL COLUMNS WHICH DO NOT REQUIRE THICKER PLATE FOR MOMENT CONNECTION.

ANCHOR ROD SCHEDULE

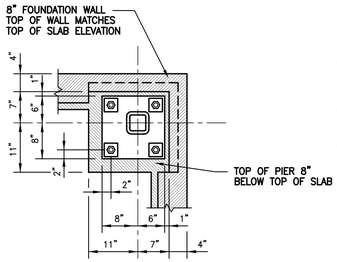
DIAMETER	L_e	L_h	WASHER
1"ø	1'-0"	---	3"x3/8"x3"

NOTES:
1. ALL ANCHOR RODS SHALL BE ASTM-F1554 GRADE 36 UNLESS NOTED OTHERWISE.
2. PROVIDE WASHERS AND NUTS FOR ALL ANCHOR RODS.
3. ALL RODS SHALL BE FREE OF SCALE, DIRT OR OIL.
4. PROVIDE MINIMUM 4" THREAD LENGTH.
5. PROVIDE PLATE WASHERS AT ALL ANCHOR RODS. WELD PLATE WASHERS ALL AROUND TO BASE PLATE AT MOMENT FRAMES.

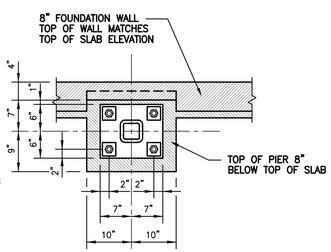




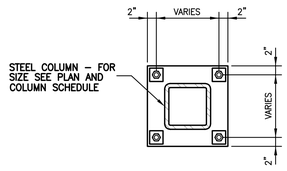
PLAN DETAIL F4 — SCALE: 3/4" = 1'-0" — S-5.0



PLAN DETAIL F3 — SCALE: 3/4" = 1'-0" — S-5.0

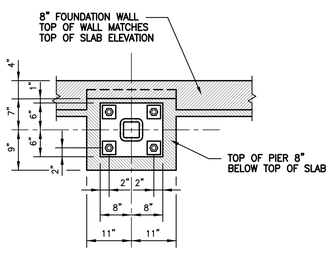


PLAN DETAIL F2 — SCALE: 3/4" = 1'-0" — S-5.0

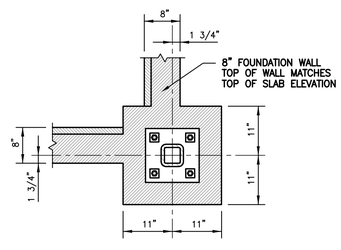


TYP BASE PLATE DETAIL

PLAN DETAIL F1 — SCALE: 3/4" = 1'-0" — S-5.0



PLAN DETAIL F6 — SCALE: 3/4" = 1'-0" — S-5.0



PLAN DETAIL F5 — SCALE: 3/4" = 1'-0" — S-5.0

BASE DETAIL NOTES

1. PLAN DETAILS ARE TO SHOW RELATIONSHIPS OF ELEMENTS. REFER TO PLAN FOR ORIENTATION OF DETAIL.
2. REFER TO APPLICABLE SECTIONS FOR LOCATION AND DIMENSIONS OF SHELVES NOT SHOWN ON DETAILS ABOVE.

SZEWCZAK ASSOCIATES
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AVON PARK NORTH
200 FISHER DRIVE
AVON, CT 06001
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SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

COLUMN SCHEDULE

PROJ. NO. JH1830
SCALE As Noted
DATE OCTOBER 2, 2019
DRAWING NO. S-5.0

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR
AC.	ACOUSTIC, ACOUSTICAL
ACM	ALUMINUM COMPOSITE MATERIAL
ACT or AC.T.	ACOUSTICAL TILE & GRID
ADDN	ADDITION
A/C	AIR COMPRESSOR
A.H.U.	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM.	ALUMINUM
ALF	ALUMINUM FRAME
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ADA	AMERICANS WITH DISABILITIES ACT
ANCH	ANCHOR, ANCHORAGE
AB	ANCHOR BOLTS
&	AND
L	ANGLE
ANOD.	ANODIZED
APPR.	APPROXIMATELY
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT, ARCHITECTURAL
ASB.	ASBESTOS
ASPH.	ASPHALT
ASSY	ASSEMBLY
ASST.	ASSISTAND
@	AT
A.F.I.S.	AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM
AUTO	AUTOMATIC
BM.	BEAM
BRG	BEARING
BET or B/W	BETWEEN
BEV.	BEVEL, BEVELED
BIT.	BITUMINOUS
BLK	BLOCK
BLKG.	BLOCKING
BD.	BOARD
BOTT.	BOTTOM
B.O.	BOTTOM OF
B.E.J.	BRICK EXPANSION JOINT
BLDG.	BUILDING
B.U.R.	BUILT-UP ROOFING
CAB.	CABINET
C.U.H.	CABINET UNIT HEATER
CAP.	CAPACITY
CLG.	CEILING
C.H. or CLG.HT.	CEILING HEIGHT
CEM.	CEMENT
CTR.	CENTER
CL.	CENTERLINE
CER.T.	CERAMIC TILE
C.BD.	CHALK BOARD
C	CHANNEL
CLO.	CLOSET
COL.	COLUMN
CONC.	CONCRETE
CONF.	CONFERENCE
CJ	CONTROL JOINT
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
C.G.	CORNER GUARD
CORR.	CORRIDOR
CRS.	COURSE, COURSES
DMPFG.	DAMPROOFING
DEG.	DEGREE
DEMO.	DEMOLITION
DEPT.	DEPARTMENT
DET. or DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
D/W	DISHWASHER
DIST.	DISTANCE
DR.	DOOR
D.F.S.	DOOR FLOOR STOP
D.W.S.	DOOR WALL STOP
DBL.	DOUBLE
D.H.	DOUBLE-HUN
DN.	DOWN
D/F	DOWN FLOW
D.S.	DOWNSPOUT
DWG	DRAWING
D.F.	DRINKING FOUNTAIN
EA.	EACH
ELEC.	ELECTRIC, ELECTRICAL
EMT	ELECTRICAL METAL TUBING
EWC	ELECTRIC WATER COOLER
EL. or ELEV.	ELEVATION
ELEV.	ELEVATOR (AS OCCURS)
EMERG.	EMERGENCY
EGAP	EMERGENCY GENERATOR ANNUNCIATOR PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
E.T.R.	EXISTING TO REMAIN
EXP.	EXPANSION
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
E.I.F.S.	EXTERIOR INSULATIVE FINISH SYSTEM
XPS	EXTRUDED POLYSTYRENE
FT	FEET, FOOT
F.R.G.P.	FIBER-REINFORCED GYPSUM PANELS
F.G.	FIBERGLASS
FIN.	FINISH, FINISHED
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER IN CABINET
F.E.P.	FINISHED END PANEL
F.R.	FIRE RETARDENT
FPRFG.	FIREPROOFING
FIXT.	FIXTURE
FLASH	FLASHING
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLR. FIN.	FLOOR FINISH
FTG.	FOOTING
FDN or FNDN	FOUNDATION
F.H.M.	FULL-HEIGHT MIRROR WITH STAINLESS STEEL FRAME
FURN.	FURNISH, FURNISHED
FURR.	FURRED, FURRING
GA.	GAUGE
GALV.	GALVANIZED
G.C.	GENERAL TRADES CONTRACTOR
GLAZ.	GLAZING
G.B.	GRAB BAR
G.F.C.I.	GROUND-FAULT CIRCUIT INTERUPTOR
GWB or GYP.BD.	GYPSUM WALLBOARD
H.R.	HANDRAIL
H.C.	HANDICAPPED
HGT	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HMF or H.M.F.	HOLLOW METAL FRAME
HORIZ.	HORIZONTAL
H.B.	HOSE BIB
H.D.G.	HOT-DIPPED GALVANIZED
IN.	INCH, INCHES
INCL.	INCLUDE, INCLUDING
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
I.T. or IT	INTEGRATED TECHNOLOGY
INT.	INTERIOR
INTOX.	INTOXILYZER
K.F.E.	KITCHEN FIRE EXTINGUISHER
K.P.	KICK PLATE
LAB	LABORATORY
LAV.	LAVATORY
LTG.	LIGHTING
L.O.	LINE OF
LKR. or LKRS.	LOCKER, LOCKERS
L.P.	LON POINT
MACH.	MACHINE
MDP	MAIN ELECTRICAL DISTRIBUTION PANEL
MAINT.	MAINTENANCE
MANUF.	MANUFACTURED
MFR.	MANUFACTURER
M.TH.	MARBLE THRESHOLD
M.BD.	MARKER BOARD
MAS.	MASONRY
M.O.	MASONRY OPENING
MAT.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MET. or MTL.	METAL
MEZZ.	MEZZANINE
MW	MICROWAVE OVEN
MIN.	MINIMUM
M.M.F.	MIRROR WITH STAINLESS STEEL FRAME
MISC.	MISCELLANEOUS
MTD.	MOUNTED
NOM.	NOMINAL
N.S.O.	NON-SIMULTANEOUS OCCUPANCY
N	NORTH
N.I.C.	NOT IN CONTRACT
N.I.S.	NOT IN SCOPE
N.T.S.	NOT TO SCALE
NO. or #	NUMBER
OFF.	OFFICE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
OSB	ORIENTED STRAND BOARD
O.D.	OUTSIDE DIAMETER
PTD.	PAINTED
PR.	PAIR
P.T.D.	PAPER TOWEL DISPENSER
PASS.	PASSAGE
PERP.	PERPENDICULAR
P.C.	PIPE COVERS (ADA COMPLIANT)
PLAS.	PLASTER
PLAM.	PLASTIC LAMINATE
PL.	PLATE
PLBG. or PLUMB.	PLUMBING
PLYWD	PLYWOOD
POLY	POLYETHYLENE
PVC	POLYVINYLCHLORIDE
lbs.	POUNDS
PWDR	POWDER
PC	PRECAST
P.E.J.	PRECAST EXPANSION JOINT
PREFAB	PREFABRICATED
P.T.	PRESSURE TREATED
PTR	PRINTER
QTY.	QUANTITY
Q.T.	QUARRY TILE
R or RAD.	RADIUS
RWG	RAIN WATER CONDUCTOR
RWL	RAIN WATER LEADER
RECT.	RECTANGLE
RECV.	RECEIVING
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCE, REINFORCING
REQ. or REQD	REQUIRE, REQUIRED
REQMTS	REQUIREMENTS
REV.	REVISED, REVISION
R.	RISER
R.D.	ROOF DRAIN
RM.	ROOM
R.S.	ROOM SIGNAGE
R.H.	ROBE HOOK
R.O.	ROUGH OPENING
S.N.D.	SANITARY NAPKIN DISPOSAL
S.N.V.M.	SANITARY NAPKIN VENDING MACHINE
SCHED.	SCHEDULE
SC.	SCUPPER
SECT.	SECTION
S.J.	SEISMIC JOINT
SHT	SHEET
S.C.	SHOWER CURTAIN & HOOKS
S.C.R.	SHOWER CURTAIN ROD
SIM.	SIMILAR
S.D.L.	SOAP DISPENSER (SINK/LAVATORY MOUNTED)
S.D.W.	SOAP DISPENSER (WALL MOUNTED)
SVT	SOLID VINYL TILE
S.T.C. or STC	SOUND TRANSMISSION CLASS
SPEC.	SPECIFICATIONS
S.B.	SPLASH BLOCK
SQ.	SQUARE
S.F. or SQ.FT.	SQUARE FEET
S.S.	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
S.STL.	STRUCTURAL STEEL
SUSP.	SUSPEND, SUSPENSION
S.G.B.	SWING-UP GRAB BAR
T.BD.	TACKBOARD
THRU	THROUGH
T.S.S.	TILT-UP SHOWER SEAT (ADA COMPLIANT)
T.P.D.	TOILET PAPER DISPENSER
T&G	TOUNGE AND GROOVE
T.O.	TOP OF
T.O.P.	TOP OF PLATE
T.O.SL.	TOP OF SLAB
T.O.ST.	TOP OF STEEL
T.	TREAD
TR.DR.	TRENCH DRAIN
TYP.	TYPICAL
UL.	UNDERWRITER'S LABORATORY INC.
U/C REF.	UNDER-COUNTER REFRIGERATOR
U.D.	UNIT DIMENSION
U.H.	UNIT HEATER
U.V.	UNIT VENTILATOR
U.O.N.	UNLESS OTHERWISE NOTED
U. or UR.	URINAL
VTR	VENT THROUGH ROOF
V.I.F.	VERIFY IN FIELD
V.G.B.	VERTICAL GRAB BAR
V.L.	VERTICAL RAIN LEADER
VEST.	VESTIBULE
VCT	VINYL COMPOSITION TILE
VET	VINYL ENHANCED TILE
W.C.	WATER CLOSET
WP.	WATERPROOFING
WWF or WWF	WELDED WIRE FABRIC
W.BD.	WHITE BOARD
WIN. or WDW	WINDOW
W/	WITH
WD	WOOD

WALL NOTES

1. FIRESCODE GYPSUM BOARD IN A ONE OR TWO-HOUR RATED PARTITION MUST BEAR THE U.L. CLASSIFICATION.
2. ALL FIRE AND SMOKE RESISTANT SEPARATIONS ARE TO EXTEND TO THE UNDERSIDE OF FLOOR OR ROOF DECK ABOVE, TYPICAL.
3. FOR SMOKE RESISTANT SEPARATIONS PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE.
4. FOR ALL FIRE RATED PARTITIONS PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE AND FLAME. THE FIRE SAFING AND SEALANT SYSTEM MUST MAINTAIN THE RATING OF THE SEPARATION.
5. AT ALL NON-RATED PARTITIONS, FILL METAL DECK FLUTES WHERE PARTITIONS MEET THE STRUCTURE ABOVE WITH BATT. INSULATION.
6. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS BETWEEN PIPES, ELECTRICAL CONDUIT, DUCTWORK, ETC. WHERE THEY PENETRATE WALLS WITH BATT INSULATION.
7. PROVIDE SMOKE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH ONE HOUR FIRE RATED SMOKE BARRIERS.
8. PROVIDE FIRE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH TWO HOUR FIRE RATED PARTITIONS.
9. EXTEND ALL METAL STUD PARTITIONS TO THE UNDERSIDE OF DECK/ STRUCTURE, UNLESS OTHERWISE NOTED.
10. ALL PARTITIONS, PART OF THE THERMAL ENVELOPE, SHALL BE FULLY AIR SEALED WITH SEALANT TO MITIGATE THE TRANSFERENCE OF AIR. THIS SHALL INCLUDE ALL SILL/SOLE PLATES, TOP PLATES, DISSIMILAR MATERIAL TRANSITIONS, PENETRATIONS, JOINTS, AND SHEATHING PERIMETERS. IN AREAS OF RATED PARTITIONS, SEALANT SHALL BE OF SUFFICIENT GRADE TO COMPLY WITH FIRE RATING REQUIREMENTS. TYPICAL.
11. CONTRACTOR IS TO PERMANENTLY INDICATED LOCATIONS OF RATED WALLS, AS SHOWN ON CODE PLANS, BY PAINTING STENCILS ON SAID WALLS, ABOVE CEILING, AS DETAILED.
12. CONTRACTOR IS TO PROVIDE HANDICAP RESTROOM SIGNAGE AT ALL RESTROOM ENTRANCE DOORS AS DETAILED.

GENERAL NOTES

1. CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL BE HELD RESPONSIBLE FOR THE SAME.
2. ALL NOTES AND DIMENSIONS DESIGNATED AS TYPICAL APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
3. ALL DIMENSIONS ARE TO FACE OF FOUNDATION AT EXTERIOR, FACE MASONRY, FACE OF METAL STUD AND CENTERLINE OF STRUCTURAL STEEL COLUMNS UNLESS OTHERWISE NOTED.
4. ROOFING CONTRACTOR TO VERIFY QUANTITY AND LOCATION OF ROOF PENETRATIONS, AND TO FLASH ACCORDING TO MANUFACTURERS' SPECIFICATIONS.
5. PROVIDE A 1" BULLNOSE AT ALL EXPOSED CONCRETE MASONRY UNIT CORNERS.
6. FOR MASONRY REINFORCEMENT SEE SPECIFICATIONS AND STRUCTURAL DRAWINGS.
7. ALL DOOR FRAME EDGES SHALL BE LOCATED 4" FROM WALL INTERSECTIONS UNLESS OTHERWISE NOTED.
8. SEE STRUCTURAL DRAWINGS AND FINISH PLANS FOR POSSIBLE LOCATIONS OF DEPRESSED STRUCTURAL CONCRETE SLABS.
9. THE REQUIREMENTS FOR SEISMIC LOADS HAVE BEEN INCORPORATED INTO THE DESIGN OF THE STRUCTURAL, MECHANICAL AND SUSPENDED CEILING SYSTEMS AS REQUIRED FOR THE NEW CONSTRUCTION.
10. FOR EXTERIOR MASONRY CONTROL JOINTS REFER TO THE EXTERIOR ELEVATION SHEETS.
11. FOR INTERIOR MASONRY EXPANSION JOINTS AND CONTROL JOINTS, JOINTS SHALL BE PLACED AS IDENTIFIED BY THE SPECIFICATION, PREFERABLY AT THE JUNCTION OF WALLS FIRST AND THEN BY THE REQUIRED DISTANCES. PROVIDE A CONTROL JOINT AT ALL EDGES WHERE MASONRY ABUTS STRUCTURAL STEEL.
12. ELECTRICAL CONTRACTOR TO COORDINATE PLACEMENT OF ELEC./ DATA OUTLETS AND SWITCHES WITH THE LOCATION OF CASEWORK. REFER TO CASEWORK DRAWINGS AND ELECTRICAL DRAWINGS.
13. ALL SPRINKLER PIPING TO BE LOCATED ABOVE FINISH CEILING UNLESS OTHERWISE NOTED.
14. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING PADS.
15. EXPOSED SPRINKLER INSTALLATIONS SHALL BE CAREFULLY COORDINATED IN THE FIELD TO AVOID CONFLICTS WITH LIGHTING AND OTHER CEILING MOUNTED EQUIPMENT.
16. ALL RATED DOORS SHALL HAVE POSITIVE LATCHING LOCK SETS OR LATCH SETS AND CLOSERS.
17. ALL DOOR LEVERS ON DOORS LEADING TO HAZARDOUS SPACES SHALL BE KNURLED.
18. ALL DOORS EXITING 100 OR MORE PERSONS SHALL HAVE PANIC EXIT DEVICES.
19. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT OF METAL STUD SLIP TRACKS AT ALL STUD WALLS BUILT ON TOP OF OR UNDER STRUCTURAL STEEL BRACING FRAMES, TYPICAL.
20. PROVIDE AN ALUMINUM DIVIDER STRIP AT ALL DOOR THRESHOLDS WHERE TWO DIFFERENT FINISHES MEET UNLESS OTHERWISE NOTED.
21. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT AND BLOCKING FOR ALL WALL MOUNTED ELEMENTS ON METAL STUD OR METAL FURRING WALL CONSTRUCTION. TYPICAL.
22. ALL PARTITIONS, CEILINGS, ROOFS, FENESTRATIONS, AND FLOORS, PART OF THE THERMAL ENVELOPE, SHALL BE FULLY AIR SEALED WITH SEALANT TO MITIGATE THE TRANSFERENCE OF AIR. THIS SHALL INCLUDE ALL SILL/SOLE PLATES, TOP PLATES, DISSIMILAR MATERIAL TRANSITIONS, PENETRATIONS, JOINTS, AND SHEATHING PERIMETERS. IN AREAS OF RATED PARTITIONS, SEALANT SHALL BE OF SUFFICIENT GRADE TO COMPLY WITH FIRE RATING REQUIREMENTS. TYPICAL.

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ARCH. GENERAL INFORMATION AND ABBREVIATIONS

PROJ. NO. JH1830	DRAWING NO. A-0.1
SCALE	
DATE OCTOBER 2, 2019	

FLOOR, WALL, AND CEILING TYPES

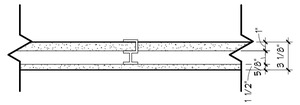
KEY FOR TYPES

F = FLOOR C = CAST-IN-PLACE CONCRETE, W = WOOD

W = WALL A = ATTENUATION INSULATION, F = FIRE RATED, G = GYPSUM BOARD, M = MASONRY (CONCRETE MASONRY UNIT)

C = CEILING A = ATTENUATION INSULATION, F = FIRE RATED, G = GYPSUM BOARD, I = INSULATION

CFG-SERIES - FIRE-RATED, GYPSUM BOARD (METAL STUD),



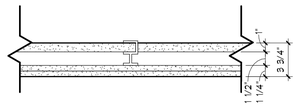
CFG-1

COMPOSITION: 1 LAYER OF 5/8" FIRE-CODE GYPSUM BOARD, C-H STUD SHAFTWALL METAL FRAMING AT 24" ON-CENTER, 1" FIRE-CODE GYPSUM LINER PANELS.

TOTAL THICKNESS: 3-1/8"

COVERAGE: CONTINUOUS FROM RATED WALL TO RATED WALL.

RATING: 1-HOUR FIRE RATING (NER #NER-258)



CFG-2

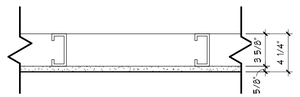
COMPOSITION: 2 LAYERS OF 5/8" FIRE-CODE GYPSUM BOARD, C-H STUD SHAFTWALL METAL FRAMING AT 24" ON-CENTER, 1" FIRE-CODE GYPSUM LINER PANELS.

TOTAL THICKNESS: 3-3/4"

COVERAGE: CONTINUOUS FROM RATED WALL TO RATED WALL.

RATING: 2-HOUR FIRE RATING (NER #NER-258)

CG-SERIES - GYPSUM BOARD (METAL STUD)



CG-1

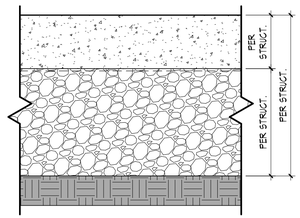
COMPOSITION: 3-5/8" METAL JOISTS AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-1/4"

TOTAL HEIGHT: CONTINUOUS FROM WALL TO WALL UNLESS OTHERWISE NOTED.

RATING: NONE

FC-SERIES - CAST-IN-PLACE CONCRETE SLAB



FC-1

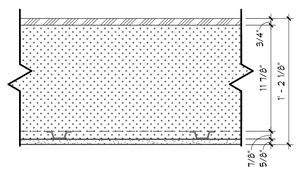
COMPOSITION: FINISHES AS SCHEDULED, REINFORCED CONCRETE SLAB, VAPOR BARRIER, COMPACTED SUB-BASE AS REQUIRED, EXISTING SUB-GRADE.

TOTAL THICKNESS: PER STRUCTURAL

RATING: NONE

NOTES: REFERENCE STRUCTURAL DRAWINGS. REFERENCE FLOOR FINISHES DRAWINGS AND SPECIFICATIONS FOR SLAB PREP REQUIREMENTS.

FM-SERIES - WOOD DECKING AND FRAMING



FM-1

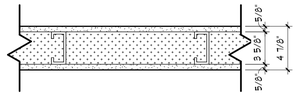
COMPOSITION: FINISHES AS SCHEDULED, 3/4" PLYWOOD SUB-FLOORING, 12" NOMINAL PRE-ENGINEERED WOOD FLOOR JOISTS SPACED PER STRUCTURAL DRAWINGS, ACOUSTIC BATTEN INSULATION FILL, 7/8" METAL FURRING CHANNELS AT 16" O.C. PERPENDICULAR TO TRUSSES, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 1' - 2-1/8"

RATING: NONE

NOTES: REFERENCE FLOOR FINISHES DRAWINGS AND SPECIFICATIONS FOR SUB-FLOOR PREP REQUIREMENTS.

MGA-SERIES - GYPSUM BOARD (METAL STUD), ATTENUATED



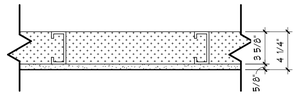
MGA-4

COMPOSITION: 5/8" GYPSUM BOARD, 3-5/8" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-7/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATINGS: NONE



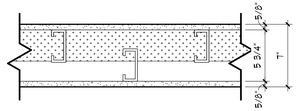
MGA-4F

COMPOSITION: 3-5/8" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-1/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE



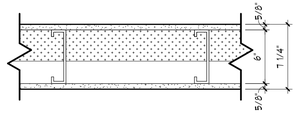
MGA-5

COMPOSITION: 5/8" GYPSUM BOARD, 3-5/8" METAL STUDS STAGGERED AT 8" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 7"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE



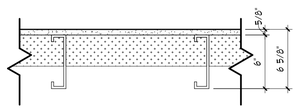
MGA-6

COMPOSITION: 5/8" GYPSUM BOARD, 6" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 7-1/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE



MGA-6F

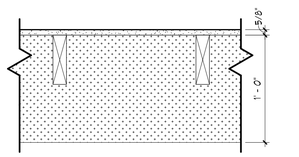
COMPOSITION: 5/8" GYPSUM BOARD, 6" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION.

TOTAL THICKNESS: 6-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE

MGI-SERIES - GYPSUM BOARD (WOOD STUD), INSULATED



MGI-RT

COMPOSITION: 5/8" GYPSUM BOARD, NOM. 6" WOOD ROOF TRUSS FRAMING PER STRUCTURAL DRAWINGS, R-38 ENCAPSULATED FIBERGLASS BATTEN INSULATION.

TOTAL THICKNESS: 12-5/8"

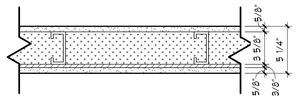
TOTAL HEIGHT: 8'-0" UNLESS OTHERWISE NOTED.

RATING: NONE

GENERAL WALL TYPE NOTES:

1. REFERENCE DETAIL 4 ON DRAWING A-6.3 FOR STENCIL REQUIREMENTS AT ALL FACES OF RATED PARTITIONS. TYPICAL.
2. REFERENCE DRAWING A-6.1 FOR SECTION AND PLAN DETAILS ASSOCIATED WITH WALL TYPES.
3. REFERENCE SPECIFICATIONS FOR WALL TYPE COMPONENT INFORMATION AND REQUIREMENTS.
4. ALL TRACKS OF SMOKE-TIGHT PARTITIONS ARE TO BE SET IN CONTINUOUS BED OF SEALANT.
5. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REINFORCING REQUIREMENTS AT ALL MASONRY PARTITIONS.
6. EXTERIOR ENVELOPE ASSEMBLY REQUIREMENTS ARE DETAILED IN THE BUILDING AND WALL SECTIONS ON THE 4-SERIES DRAWINGS.

MRGA-SERIES - BULLET RESISTANT, GYPSUM BOARD (METAL STUD), ATTENUATED



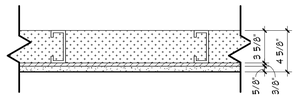
MRGA-4

COMPOSITION: 5/8" GYPSUM BOARD, 3-5/8" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 3/8" BULLET-RESISTANT SHEATHING, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 5-1/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. BULLET RESISTANT SHEATHING TO 8'-0" AFF. PLYWOOD SPACER ABOVE 8'-0" AFF.

RATING: SMOKE TIGHT



MRGA-4F

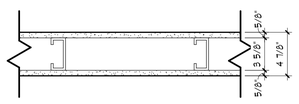
COMPOSITION: 3-5/8" METAL STUDS AT 16" ON-CENTER, 3-1/2" ACOUSTIC BATTEN INSULATION, 3/8" BULLET-RESISTANT SHEATHING, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. BULLET RESISTANT SHEATHING TO 8'-0" AFF. PLYWOOD SPACER ABOVE 8'-0" AFF.

RATING: SMOKE TIGHT

MG-SERIES - GYPSUM BOARD (METAL STUD)



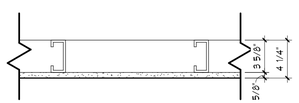
MG-4

COMPOSITION: 5/8" GYPSUM BOARD, 3-5/8" METAL STUDS AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-7/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE



MG-4F

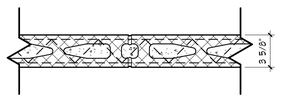
COMPOSITION: 3-5/8" METAL STUDS AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4-1/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE

MB-SERIES - BLOCK



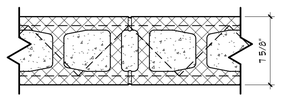
MB-4

COMPOSITION: 4" NOMINAL CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY.

TOTAL THICKNESS: 3-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: NONE



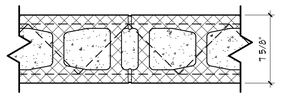
MB-8

COMPOSITION: 8" NOMINAL CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY.

TOTAL THICKNESS: 7-5/8"

TOTAL HEIGHT: FROM FLOOR TO MINIMUM 6" ABOVE CEILING.

RATING: NONE



MB-8S

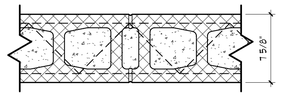
COMPOSITION: 8" NOMINAL CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY.

TOTAL THICKNESS: 7-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

RATING: SMOKE TIGHT

MFB-SERIES - FIRE-RATED, BLOCK



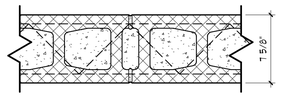
MFB-8(1)

COMPOSITION: 8" NOMINAL U.L. CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY.

TOTAL THICKNESS: 7-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED.

RATING: 1-HOUR FIRE RATING (U.L. #U-905)



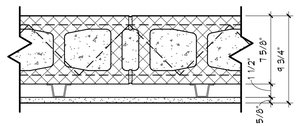
MFB-8(2)

COMPOSITION: 8" NOMINAL U.L. CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY.

TOTAL THICKNESS: 7-5/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED.

RATING: 2-HOUR FIRE RATING (U.L. #U-905)



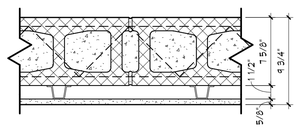
MBG-8(1)

COMPOSITION: 8" NOMINAL U.L. CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY, 1-1/2" METAL FURRING AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 9-3/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED.

RATING: 1-HOUR FIRE RATING (U.L. #U-905)



MBG-8(2)

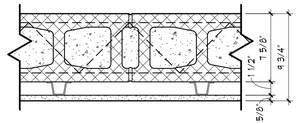
COMPOSITION: 8" NOMINAL U.L. CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY, 1-1/2" METAL FURRING AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 9-3/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED.

RATING: 2-HOUR FIRE RATING (U.L. #U-905)

MBG-SERIES - BLOCK, GYPSUM BOARD (METAL STUD)



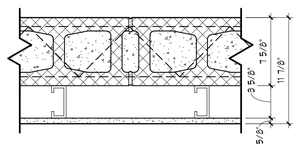
MBG-8

COMPOSITION: 8" NOMINAL CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY, 1-1/2" METAL FURRING AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 9-3/4"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE.

RATING: SMOKE TIGHT



MBG-8.4

COMPOSITION: 8" NOMINAL CONCRETE MASONRY UNIT GROUTED SOLID, HORIZONTAL REINFORCING AT 16" ON-CENTER VERTICALLY, 3-5/8" METAL STUDS AT 16" ON-CENTER, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 11-7/8"

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE.

RATING: SMOKE TIGHT

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FLOOR, WALL, AND CEILING TYPES

PROJ. NO.	DRAWING NO.
JH1830	A-0.2
SCALE: 1 1/2" = 1'-0"	
DATE: OCTOBER 2, 2019	

TYPICAL NEW WORK GENERAL NOTES

1. FRAMING CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL CELLULOSE INSULATION WITHIN ALL "CONCEALED" STUD CAVITIES DURING WALL ERECTION PROCEDURES. CONCEALED, IN THIS INSTANCE, SHALL BE DEFINED AS VOIDS CREATED BY THE FRAMING MEMBERS THAT WILL BE INACCESSIBLE TO THE INSULATION CONTRACTORS ONCE THE EXTERIOR SHEATHING HAS BEEN APPLIED TO THE FRAMING SYSTEM.

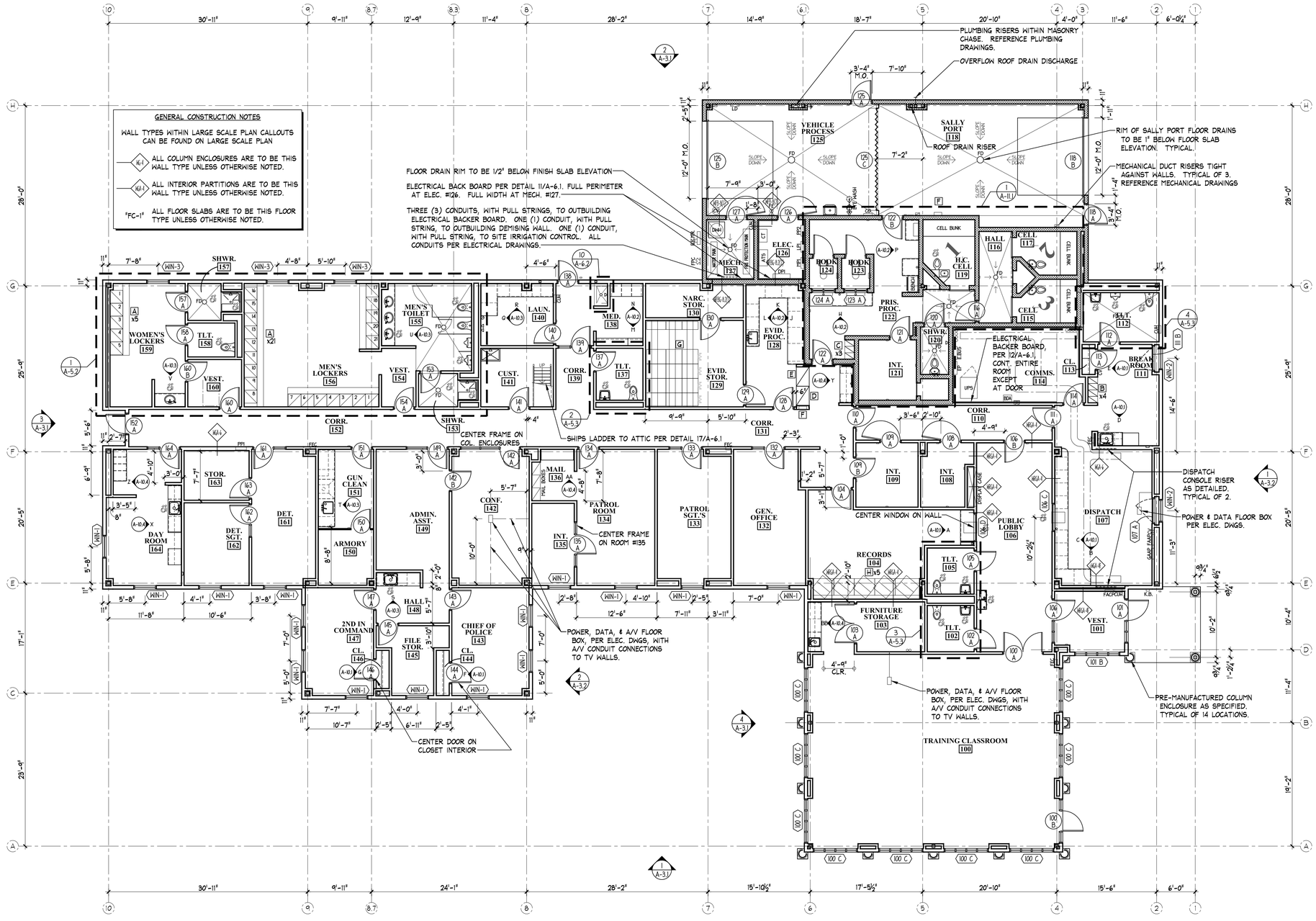
2. FRAMING CONTRACTOR TO COORDINATE SCOPE OF WORK WITH BALANCE OF DRAWINGS AND SPECIFICATIONS TO ENSURE ALL BLOCKING, OPENINGS, EQUIPMENT, AND FIXTURES HAVE BEEN ACCOUNTED FOR.

NEW WORK FLOOR PLAN LEGEND

- NEW STUD WALL CONSTRUCTION
- NEW CMU WALL CONSTRUCTION
- ROOM NAME / ROOM NUMBER (ROOM / #)
- DOOR AND FRAME TAG (123 / A)
- WINDOW AND/OR FRAME TAG (123 A)
- CASEWORK ELEVATION MARKER — ELEVATION NUMBER / SHEET NUMBER (A / A-101)
- NEW DOOR, FRAME, AND LEAF AS SCHEDULED AND SPECIFIED
- ELEVATION MARKER — DETAIL NUMBER / SHEET NUMBER (2 / A-3.1)
- SECTION MARKER — DETAIL NUMBER / SHEET NUMBER (2 / A-4.1)
- LARGE SCALE PLAN / PLAN DETAIL MARKER — DETAIL NUMBER / SHEET NUMBER (1 / A-5.0)
- WALL TYPE TAG (W1-1)
- FACE OF FINISH — DIMENSIONS TO FACE OF FINISH
- FACE OF STUD — DIMENSIONS TO FACE OF STUD
- ACCESSIBLE FIXTURE LOCATION

COMPONENT KEY TAGS:

- [A] 24" WARDROBE LOCKER. SEE DETAIL 1/A-6.2
- [B] PERSONAL PROPERTY LOCKER (DISPATCH). SEE DETAIL 7/A-6.2.
- [C] PERSONAL PROPERTY LOCKERS (PRIS. PROC.). SEE DETAIL 3/A-11.3.
- [D] NON-REFRIGERATED EVIDENCE LOCKER. SEE DETAIL 9/A-6.2.
- [E] REFRIGERATED EVIDENCE LOCKER. SEE DETAIL 8/A-6.2.
- [F] PISTOL LOCKER. SEE DETAIL 2/A-6.2.
- [G] HIGH DENSITY ROLLING STORAGE. SEE DETAIL 7/A-6.5.
- [F] HIGH DENSITY SWIVEL STORAGE. SEE SPECIFICATIONS.



0 4' 8' 16'

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

1 MAIN BUILDING FLOOR PLAN
SCALE: 1/8" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET *CARVER, MASSACHUSETTS*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MAIN BUILDING FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH1830	A-1.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

TYPICAL NEW WORK GENERAL NOTES

1. FRAMING CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL CELLULOSE INSULATION WITHIN ALL "CONCEALED" STUD CAVITIES DURING WALL ERECTION PROCEDURES. CONCEALED, IN THIS INSTANCE, SHALL BE DEFINED AS VOIDS CREATED BY THE FRAMING MEMBERS THAT WILL BE INACCESSIBLE TO THE INSULATION CONTRACTORS ONCE THE EXTERIOR SHEATHING HAS BEEN APPLIED TO THE FRAMING SYSTEM.

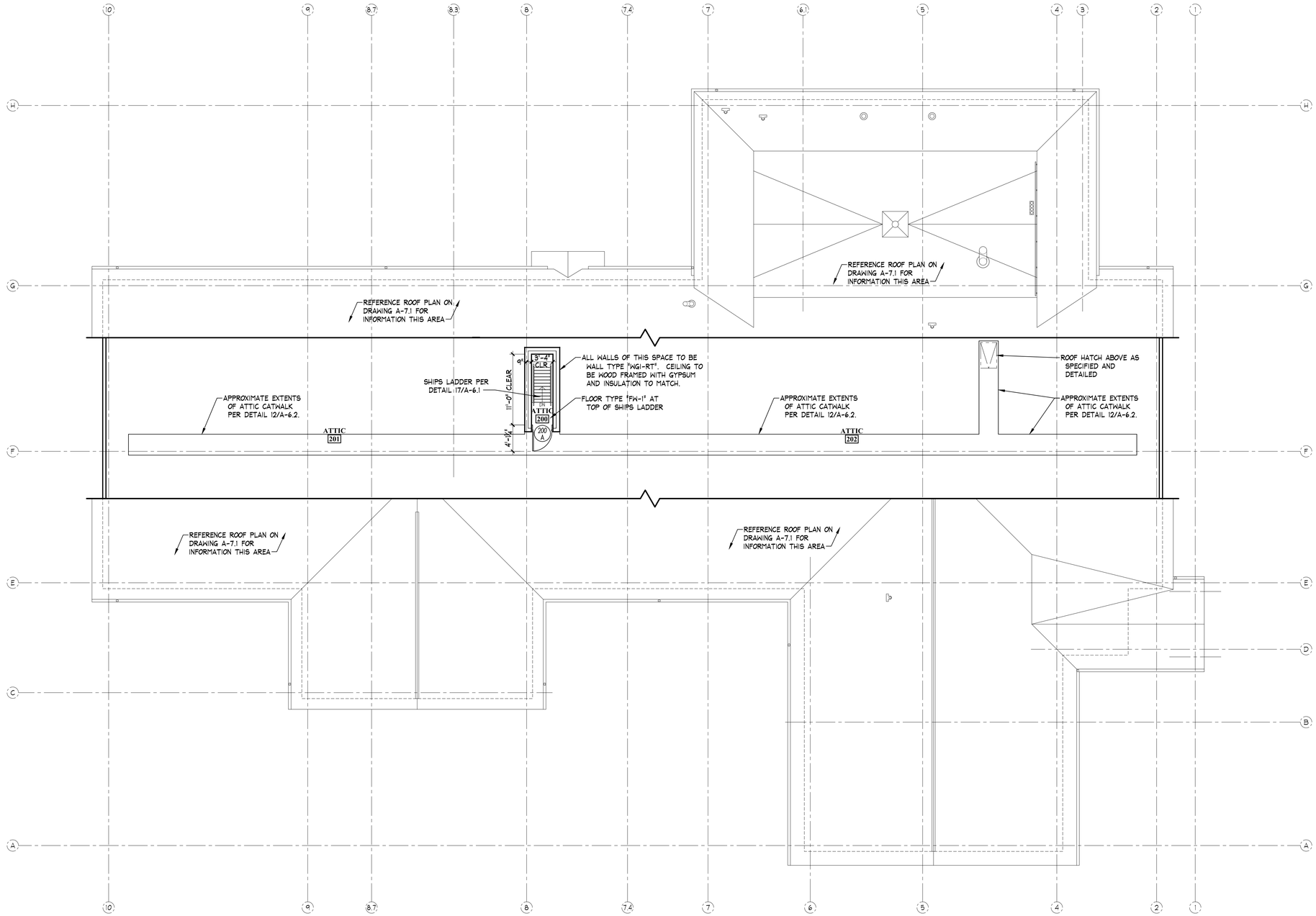
2. FRAMING CONTRACTOR TO COORDINATE SCOPE OF WORK WITH BALANCE OF DRAWINGS AND SPECIFICATIONS TO ENSURE ALL BLOCKING, OPENINGS, EQUIPMENT, AND FIXTURES HAVE BEEN ACCOUNTED FOR.

NEW WORK FLOOR PLAN LEGEND

- NEW STUD WALL CONSTRUCTION
- NEW CMU WALL CONSTRUCTION
- ROOM NAME / ROOM NUMBER (ROOM / #)
- DOOR AND FRAME TAG (123 / A)
- WINDOW AND/OR FRAME TAG (123 A)
- CASEWORK ELEVATION MARKER — ELEVATION NUMBER / SHEET NUMBER (A / A-101)
- NEW DOOR, FRAME, AND LEAF AS SCHEDULED AND SPECIFIED
- ELEVATION MARKER — DETAIL NUMBER / SHEET NUMBER (2 / A-3.1)
- SECTION MARKER — DETAIL NUMBER / SHEET NUMBER (2 / A-4.1)
- LARGE SCALE PLAN / PLAN DETAIL MARKER — DETAIL NUMBER / SHEET NUMBER (1 / A-5.0)
- WALL TYPE TAG (W.1-1)
- FACE OF FINISH — DIMENSIONS TO FACE OF FINISH
- FACE OF STUD — DIMENSIONS TO FACE OF STUD
- ACCESSIBLE FIXTURE LOCATION

COMPONENT KEY TAGS:

- A 24" WARDROBE LOCKER. SEE DETAIL 1/A-6.2
- B PERSONAL PROPERTY LOCKER (DISPATCH). SEE DETAIL 7/A-6.2.
- C PERSONAL PROPERTY LOCKERS (PRIS. PROC.). SEE DETAIL 3/A-11.3.
- D NON-REFRIGERATED EVIDENCE LOCKER. SEE DETAIL 9/A-6.2.
- E REFRIGERATED EVIDENCE LOCKER. SEE DETAIL 8/A-6.2.
- F PISTOL LOCKER. SEE DETAIL 2/A-6.2.
- G HIGH DENSITY ROLLING STORAGE. SEE DETAIL 7/A-6.5.
- F HIGH DENSITY SWIVEL STORAGE. SEE SPECIFICATIONS.



0 4' 8' 16'

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

1 **MAIN BUILDING ATTIC FLOOR PLAN**

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

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
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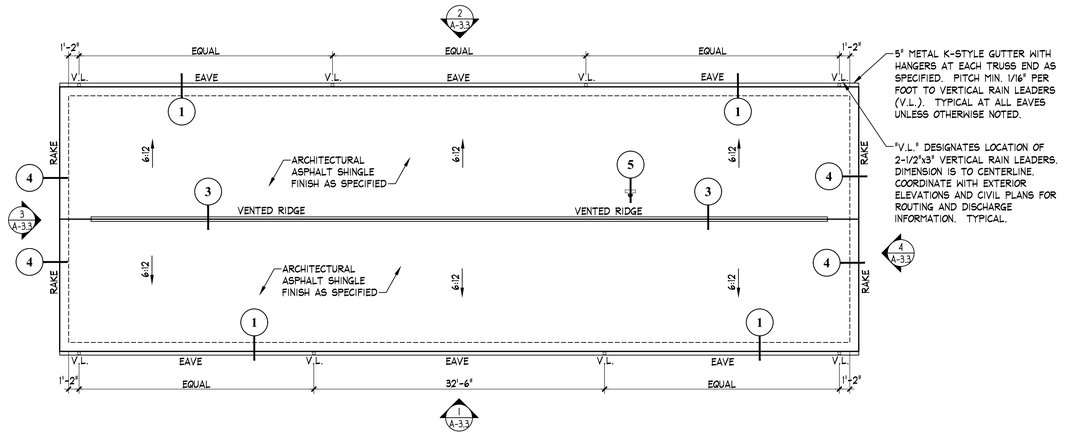
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MAIN BUILDING ATTIC FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH1830	A-1.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

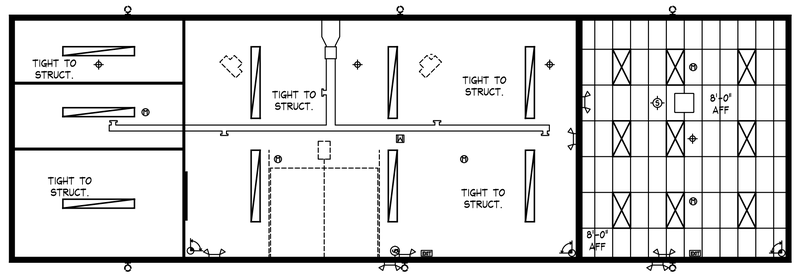
GENERAL NOTES

1. ALTERNATE NO. 1 PERTAINS TO ALL ABOVE FINISH FLOOR SLAB SCOPE. THE FOUNDATIONS, FLOOR SLAB, AND ALL UNDERGROUND UTILITIES, CONNECTIONS, AND COMPONENTS INDICATED ARE PART OF THE BASE BID SCOPE.
2. SEE DRAWING A-1.1 FOR FLOOR PLAN SYMBOLS LEGEND AND GENERAL NOTES.
3. SEE DRAWING A-2.1 FOR REFLECTED CEILING PLAN SYMBOLS LEGEND AND GENERAL NOTES.
4. SEE DRAWING A-7.1 FOR ROOF PLAN SYMBOLS LEGEND AND GENERAL NOTES.



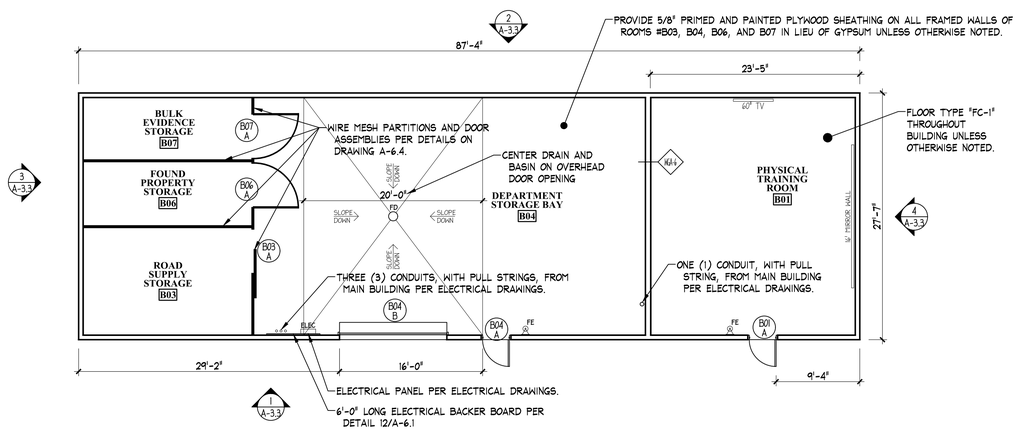
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

3 (ALTERNATE NO. 1) OUTBUILDING ROOF PLAN
SCALE: 1/8" = 1'-0"



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

2 (ALTERNATE NO. 1) OUTBUILDING REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

1 (ALTERNATE NO. 1) OUTBUILDING FLOOR PLAN
SCALE: 1/8" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

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CARVER, MASSACHUSETTS

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TEL 860-828-9221
FAX 860-828-9223

OUTBUILDING FLOOR, REFLECTED CEILING, AND ROOF PLANS

PROJ. NO.	DRAWING NO.
JH1830	A-1.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

TYPICAL NEW WORK GENERAL NOTES

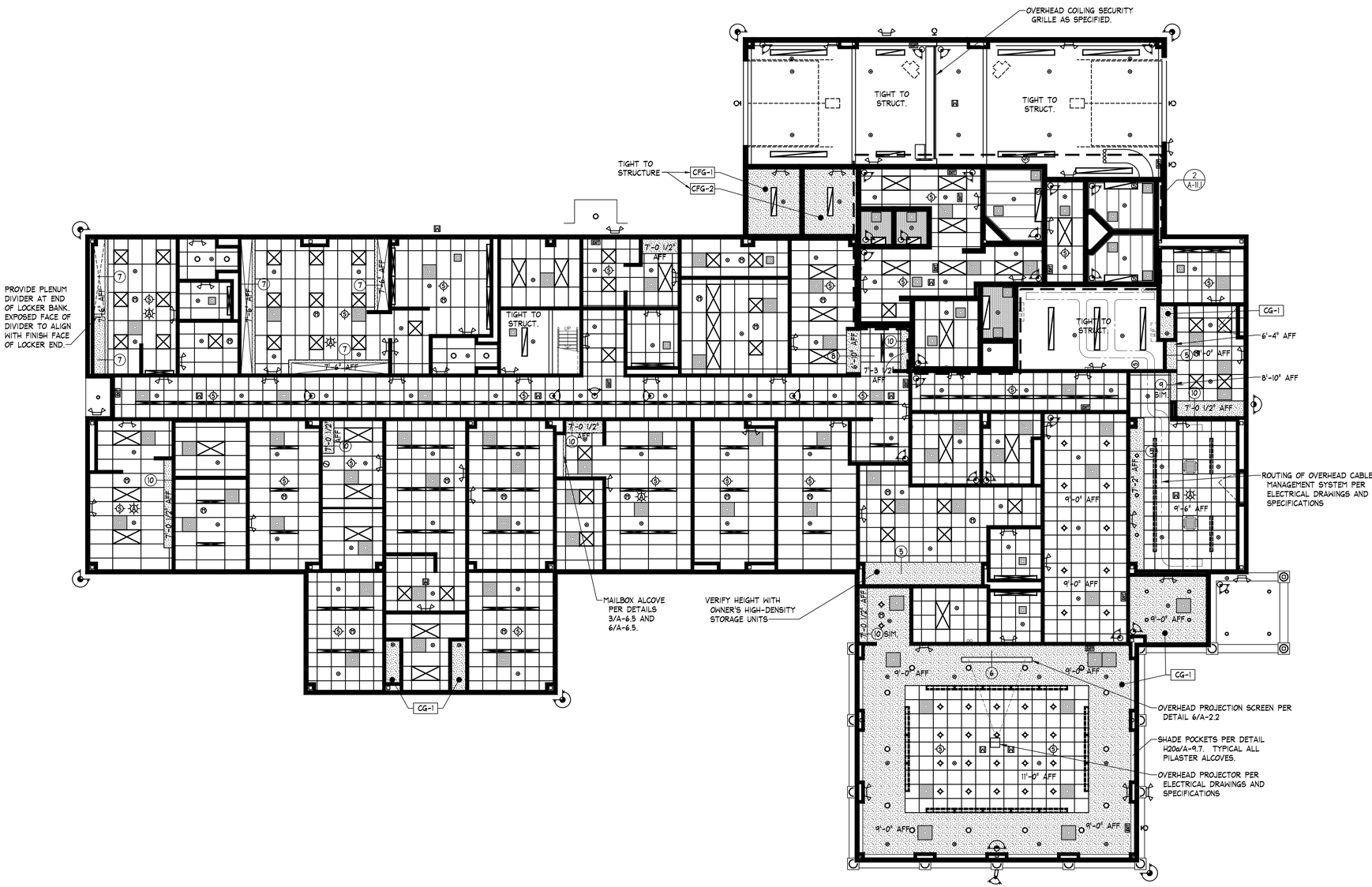
1. FRAMING CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL CELLULOSE INSULATION WITHIN ALL "CONCEALED" STUD CAVITIES DURING WALL ERECTION PROCEDURES. CONCEALED, IN THIS INSTANCE, SHALL BE DEFINED AS VOIDS CREATED BY THE FRAMING MEMBERS THAT WILL BE INACCESSIBLE TO THE INSULATION CONTRACTORS ONCE THE EXTERIOR SHEATHING HAS BEEN APPLIED TO THE FRAMING SYSTEM.

2. FRAMING CONTRACTOR TO COORDINATE SCOPE OF WORK WITH BALANCE OF DRAWINGS AND SPECIFICATIONS TO ENSURE ALL BLOCKING, OPENINGS, EQUIPMENT, AND FIXTURES HAVE BEEN ACCOUNTED FOR.

CEILING PLAN LEGEND

- 2X4 SUSPENDED ACOUSTICAL CEILING TILE AND GRID. SEE SPECIFICATIONS.
- 2X2 SUSPENDED ACOUSTICAL CEILING TILE AND GRID. SEE SPECIFICATIONS.
- FRAMED GYPSUM BOARD CEILING. SEE DETAILS AND TYPES AS INDICATED.
- GYPSUM SECURITY CEILING. SEE 7/A-11.5.
- STEEL CELL CEILING. SEE 6/A-11.4.
- RECESSED CEILING LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- SURFACE MOUNTED LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- PENDANT, OR WALL MOUNTED LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- VRF HVAC MODULES, SEE MECHANICAL DWGS.
- DIFFUSER, SEE MECHANICAL DWGS.
- SPEAKER
- HEAT AND/OR SMOKE DETECTOR, SEE ELECTRICAL DWGS.
- CEILING DETAIL INDICATOR. REFERENCE DRAWING A-2.2.
- EGRESS LIGHTING, SEE ELEC. DWGS.
- EXIT SIGNAGE, SEE ELEC. DWGS.
- OCCUPANCY SENSOR, SEE ELEC. DWGS.
- PHOTO SENSOR, SEE ELEC. DWGS.
- CCTV CAMERA, SEE ELEC. DWGS.
- X'-X" AFF — HEIGHT ABOVE FINISH FLOOR INDICATOR
- CFG-1 — CEILING TYPE TAG, SEE A-0.2

NOTE:
1. ALL CEILINGS ARE TO BE 8'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
2. SEE CODE PLAN FOR LOCATIONS OF ALL RATED CONSTRUCTION, TYPICAL.
3. COORDINATE ALL LIGHTING QUANTITIES AND LOCATIONS WITH THE ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN CEILING AND ELECTRICAL, MECHANICAL, AND/OR FIRE PROTECTION DRAWINGS TO THE ARCHITECT IMMEDIATELY. TYPICAL.



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

1 MAIN BUILDING REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

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15 MASSIRIO DRIVE
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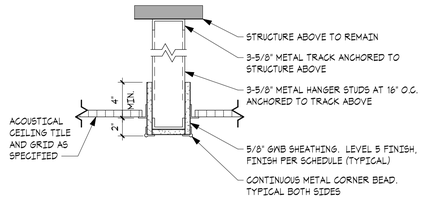
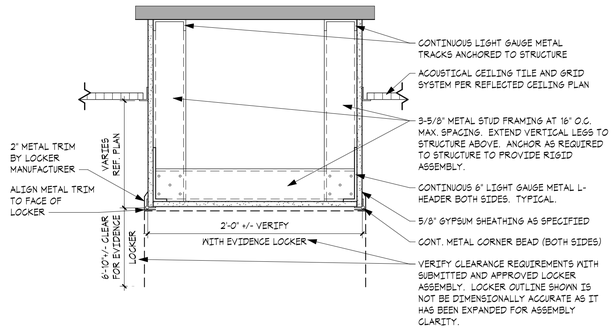
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MAIN BUILDING REFLECTED CEILING PLAN

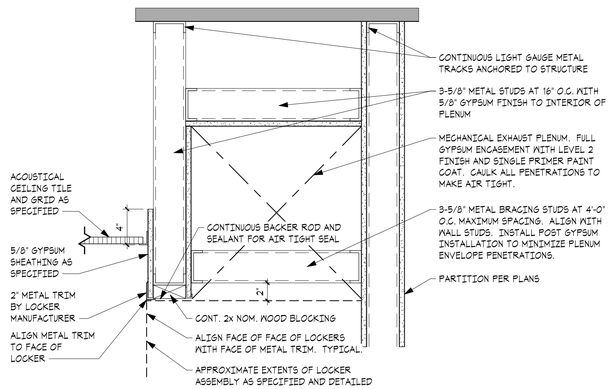
PROJ. NO.	DRAWING NO.
JH1830	A-2.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



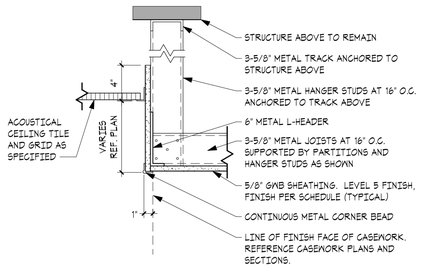
9 CEILING - GYPSUM PARTITION SOFFIT SECTION
SCALE: 1 1/2" = 1'-0"



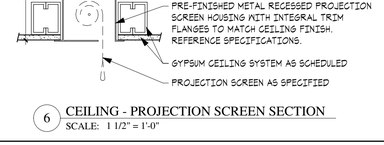
8 CEILING - GYPSUM SOFFIT AT EVIDENCE LOCKER
SCALE: 1 1/2" = 1'-0"



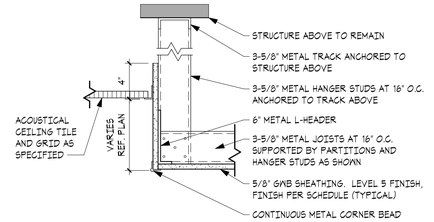
7 CEILING - LOCKER PLENUM SECTION
SCALE: 1 1/2" = 1'-0"



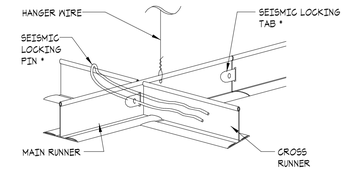
10 CEILING - CASEWORK SOFFIT SECTION
SCALE: 1 1/2" = 1'-0"



6 CEILING - PROJECTION SCREEN SECTION
SCALE: 1 1/2" = 1'-0"

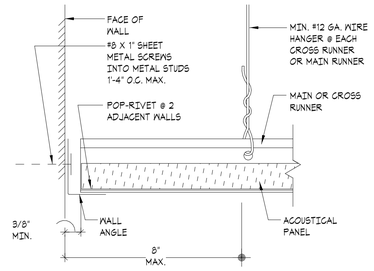


5 CEILING - GYPSUM SOFFIT SECTION
SCALE: 1 1/2" = 1'-0"

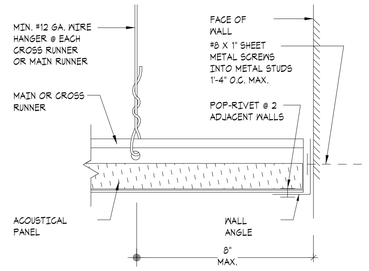


* SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE FASTENED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES, OR WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR DESIGN LOAD (MIN. 60 LBS) OR ULTIMATE AXIAL TENSION OR COMPRESSION OF 2X DESIGN LOAD

4 CEILING - SEISMIC CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

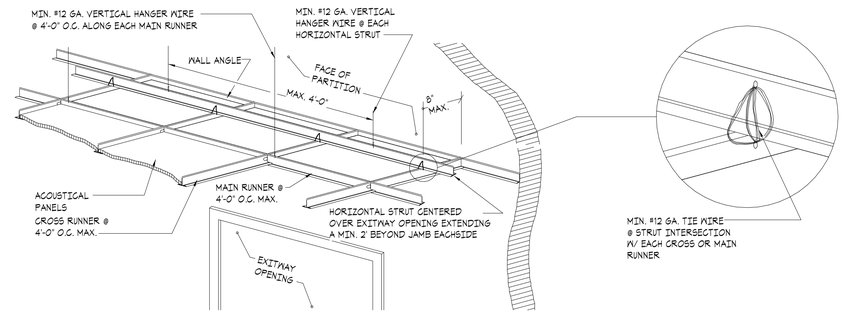


EXPANSION AT OPPOSITE WALLS



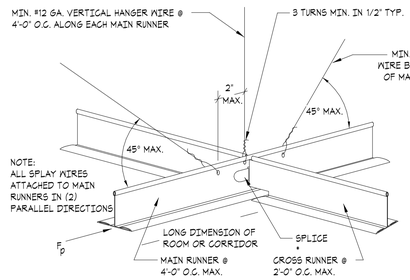
ATTACHED AT STARTER AND ONE ADJACENT WALL

3 CEILING - SEISMIC WALL ANGLE DETAILS
SCALE: 1 1/2" = 1'-0"

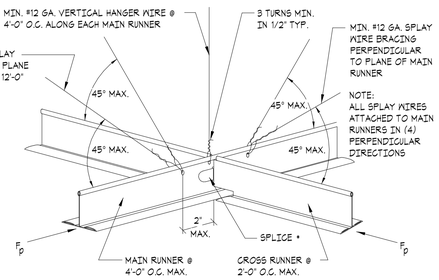


NOTE: THIS STRUT IS NOT REQUIRED @ EXITS OCCURRING IN STARTER WALLS

2 CEILING - SEISMIC STRUT AT EXIT WAYS DETAIL
SCALE: 1 1/2" = 1'-0"



SPACES GREATER THAN 400 S.F.
ONE DIRECTION EXCEEDS 20'-0"



SPACES GREATER THAN 400 S.F.
TWO DIRECTIONS EXCEED 20'-0"

*REFER TO SEISMIC CONNECTION DETAIL

NOTE: CEILINGS OF 400 S.F. OR LESS, SURROUNDED BY WALLS THAT CONNECT DIRECTLY TO STRUCTURE ABOVE, ARE EXCLUDED FROM THESE DETAILS.

1 CEILING - SEISMIC SPLAY BRACING DETAILS
SCALE: 1 1/2" = 1'-0"

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JACUNSKI HUMES ARCHITECTS, LLC
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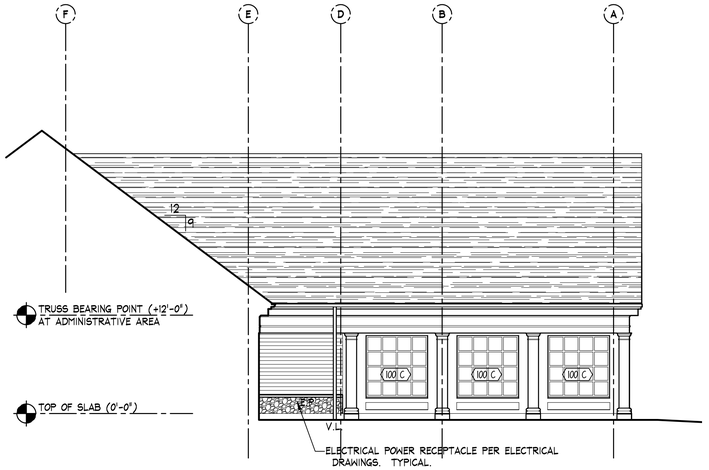
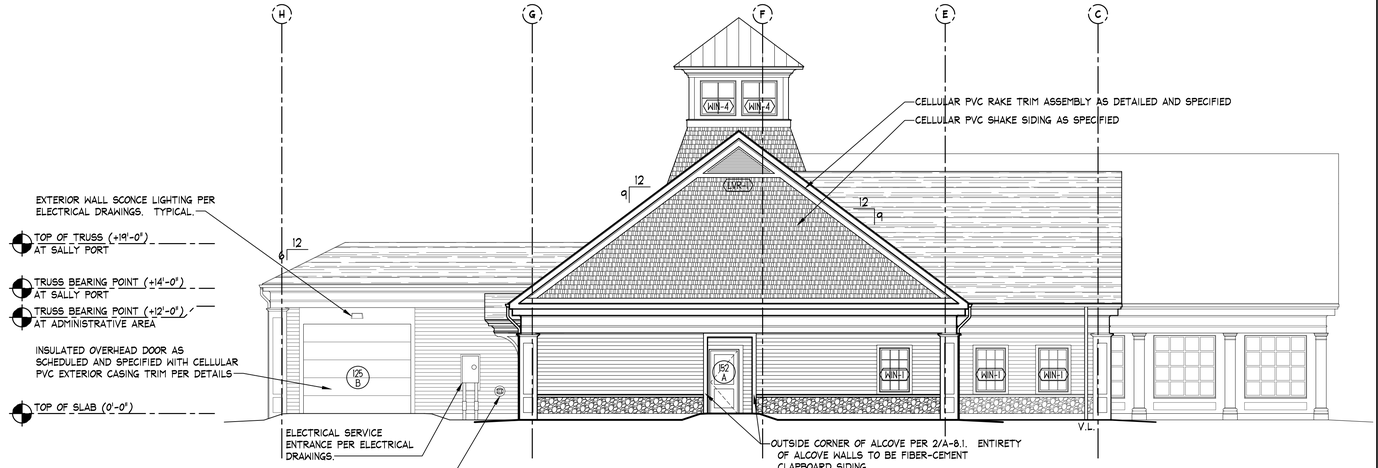
CEILING DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-2.2
SCALE: 1 1/2" = 1'-0"	
DATE: OCTOBER 2, 2019	

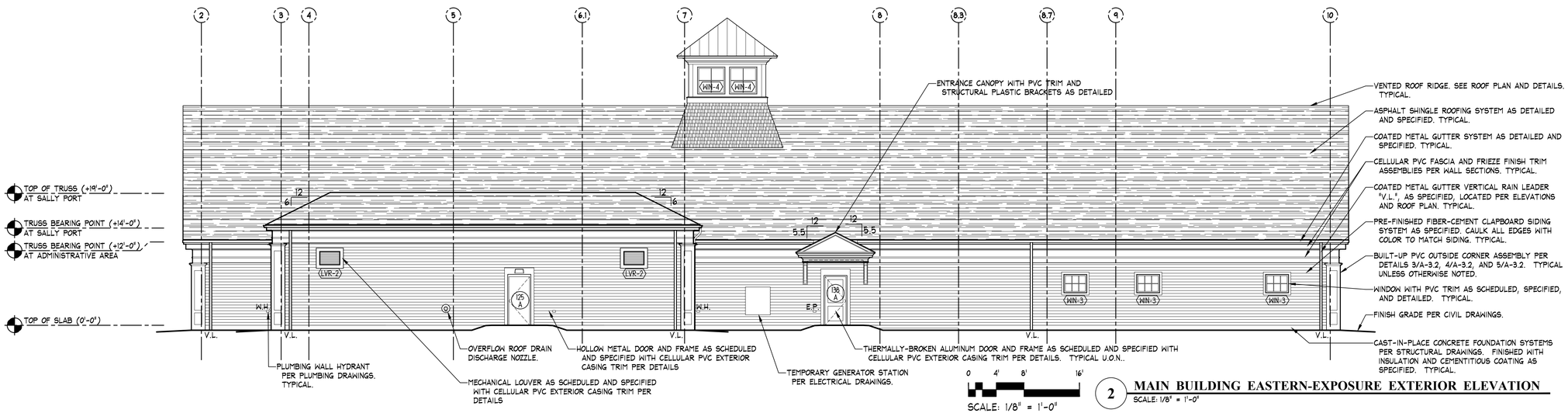


4 MAIN BUILDING PARTIAL NORTHERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



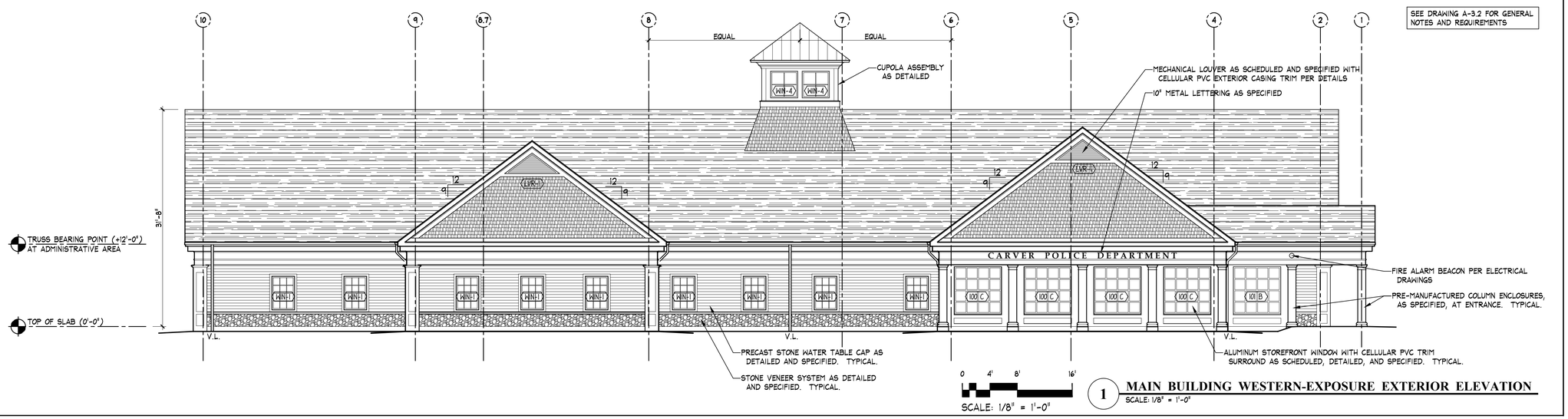
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

3 MAIN BUILDING NORTHERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

2 MAIN BUILDING EASTERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

1 MAIN BUILDING WESTERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

SEE DRAWING A-3.2 FOR GENERAL NOTES AND REQUIREMENTS

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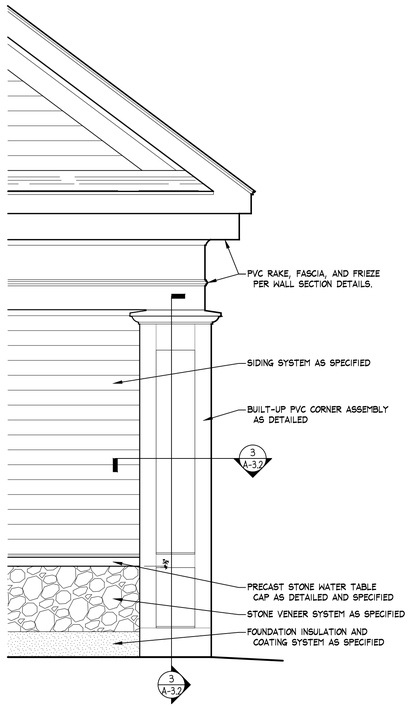
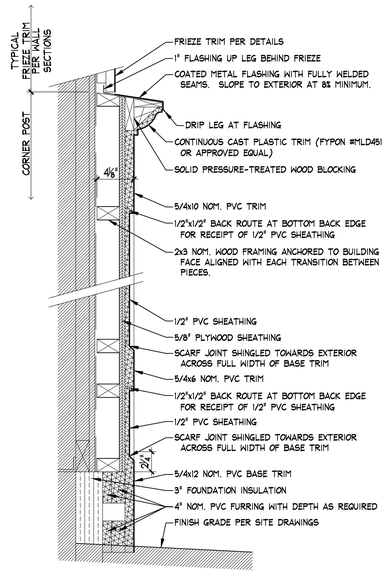
FAX 860-828-9223

MAIN BUILDING EXTERIOR ELEVATIONS

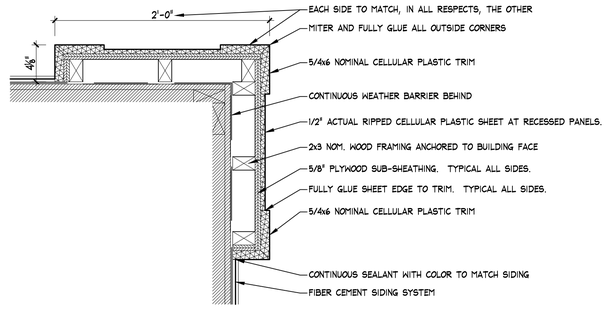
PROJ. NO.	DRAWING NO.
JH1830	A-3.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



5 MAIN BUILDING OUTSIDE CORNER TRIM ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"



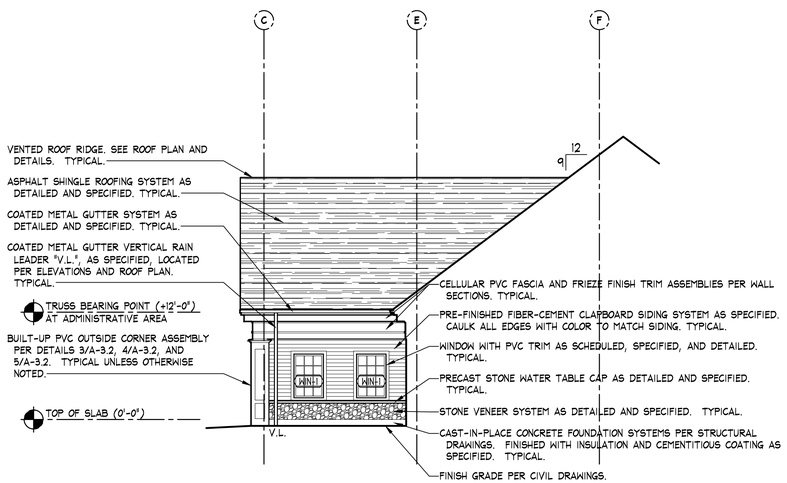
4 MAIN BUILDING OUTSIDE CORNER TRIM VERTICAL SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



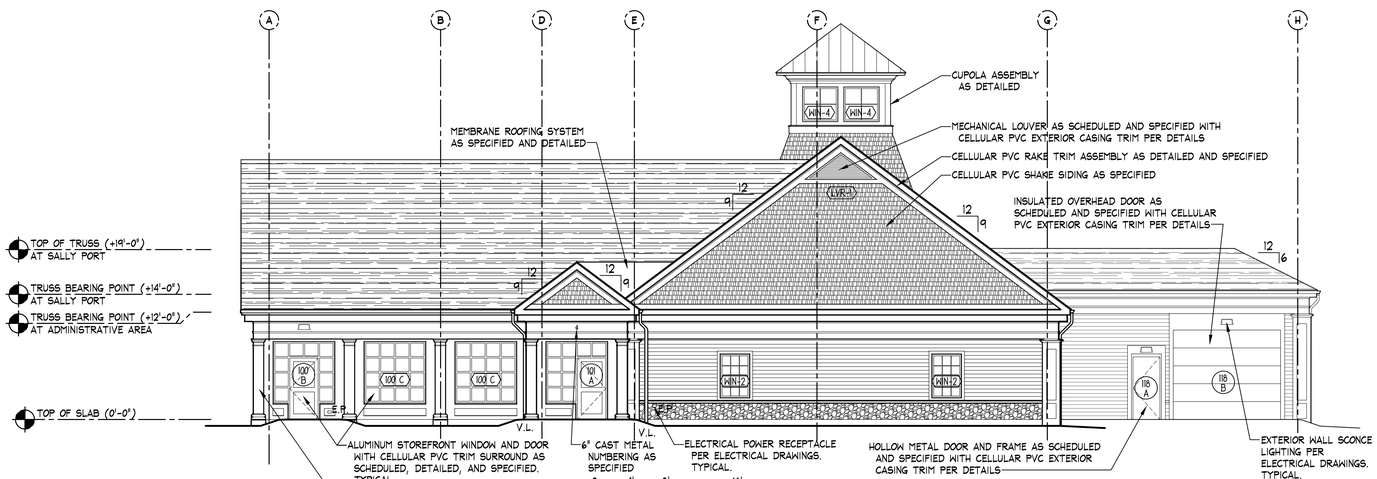
3 MAIN BUILDING OUTSIDE CORNER TRIM PLAN SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

EXTERIOR GENERAL NOTES:

1. ALL EXTERIOR PVC TRIM AND FIXTURES FASTENERS TO BE STAINLESS STEEL. PVC TRIM FASTENERS TO BE COUNTERSUNK/SET TO ALLOW FOR FILLER INSTALLATIONS.
2. ALL EXTERIOR PVC TRIMMING TO HAVE FASTENER HOLES, DENTS, DINGS, AND ANY OTHER IMPERFECTIONS FILLED WITH MANUFACTURER APPROVED FILLERS. CLEAN, PRIME AND FINISH PAINT (2 COATS) IN COMPLIANCE WITH PVC MANUFACTURER'S WARRANTY REQUIREMENTS. COLOR IS TO MATCH PRE-FINISHED ALUMINUM FLASHINGS, GUTTERS, AND DOWN SPOUTS (D.S.).
3. WALL HYDRANTS/HOSE BIBS (W.H.), PER PLUMBING DRAWINGS, SHALL BE LOCATED AT 24" ABOVE FINISHED GRADE MINIMUM. IF THIS WOULD PLACE HOSE BIB LOWER THAN 8" ABOVE FINISHED SLAB SURFACE, THEN WALL HYDRANT/HOSE BIB (W.H.) SHALL BE MAINTAINED AT 8" ABOVE FINISHED SLAB SURFACE.
4. ALL EQUIPMENT, FIXTURES, ETC. MOUNTED WITHIN THE SIDING FIELD SHALL HAVE A 5/4 NOM THICKNESS CELLULAR PVC BACKING PLATE. PAINT BACKING PLATE TO MATCH BALANCE OF TRIM. TYPICAL.



2 MAIN BUILDING PARTIAL SOUTHERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



1 MAIN BUILDING SOUTHERN-EXPOSURE EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

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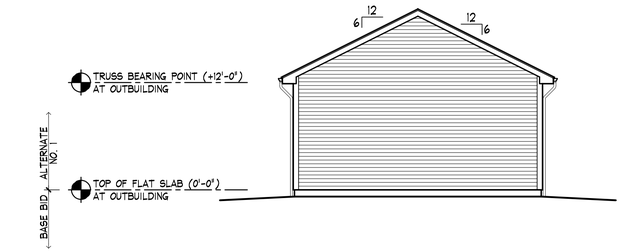
MAIN BUILDING EXTERIOR ELEVATIONS AND DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-3.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

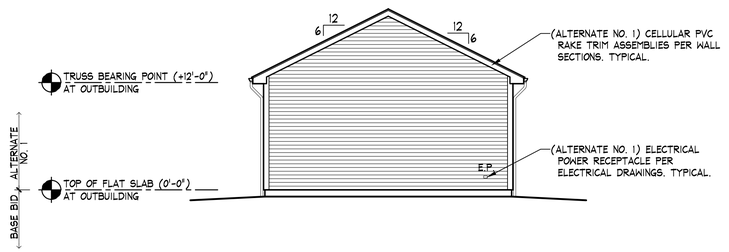


0 4' 8' 16'

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

4 OUTBUILDING SOUTHERN-EXPOSURE EXTERIOR ELEVATION

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

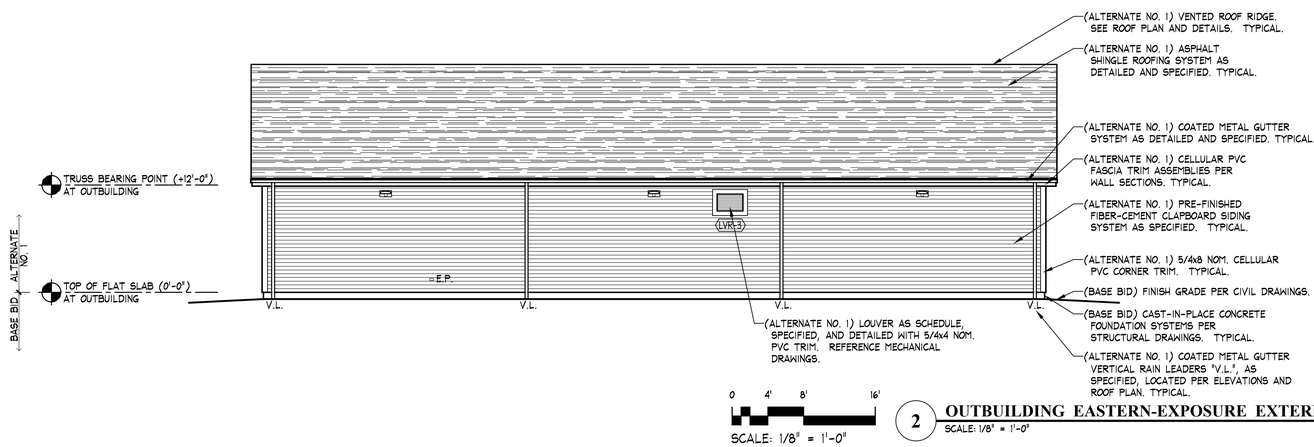


0 4' 8' 16'

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

3 OUTBUILDING NORTHERN-EXPOSURE EXTERIOR ELEVATION

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

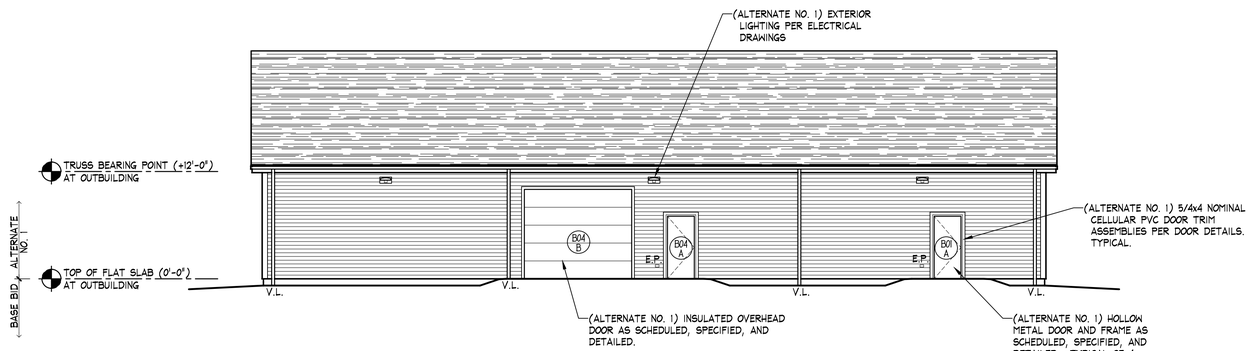


0 4' 8' 16'

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

2 OUTBUILDING EASTERN-EXPOSURE EXTERIOR ELEVATION

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



0 4' 8' 16'

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

1 OUTBUILDING WESTERN-EXPOSURE EXTERIOR ELEVATION

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

SUBMISSIONS & REVISIONS		
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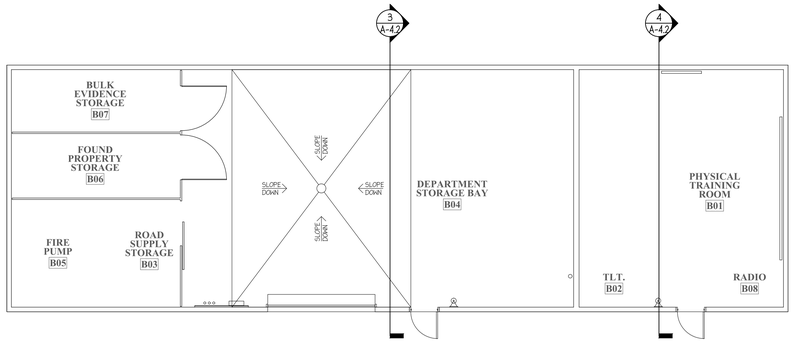
OUTBUILDING EXTERIOR ELEVATIONS

PROJ. NO.	DRAWING NO.
JH1830	A-3.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

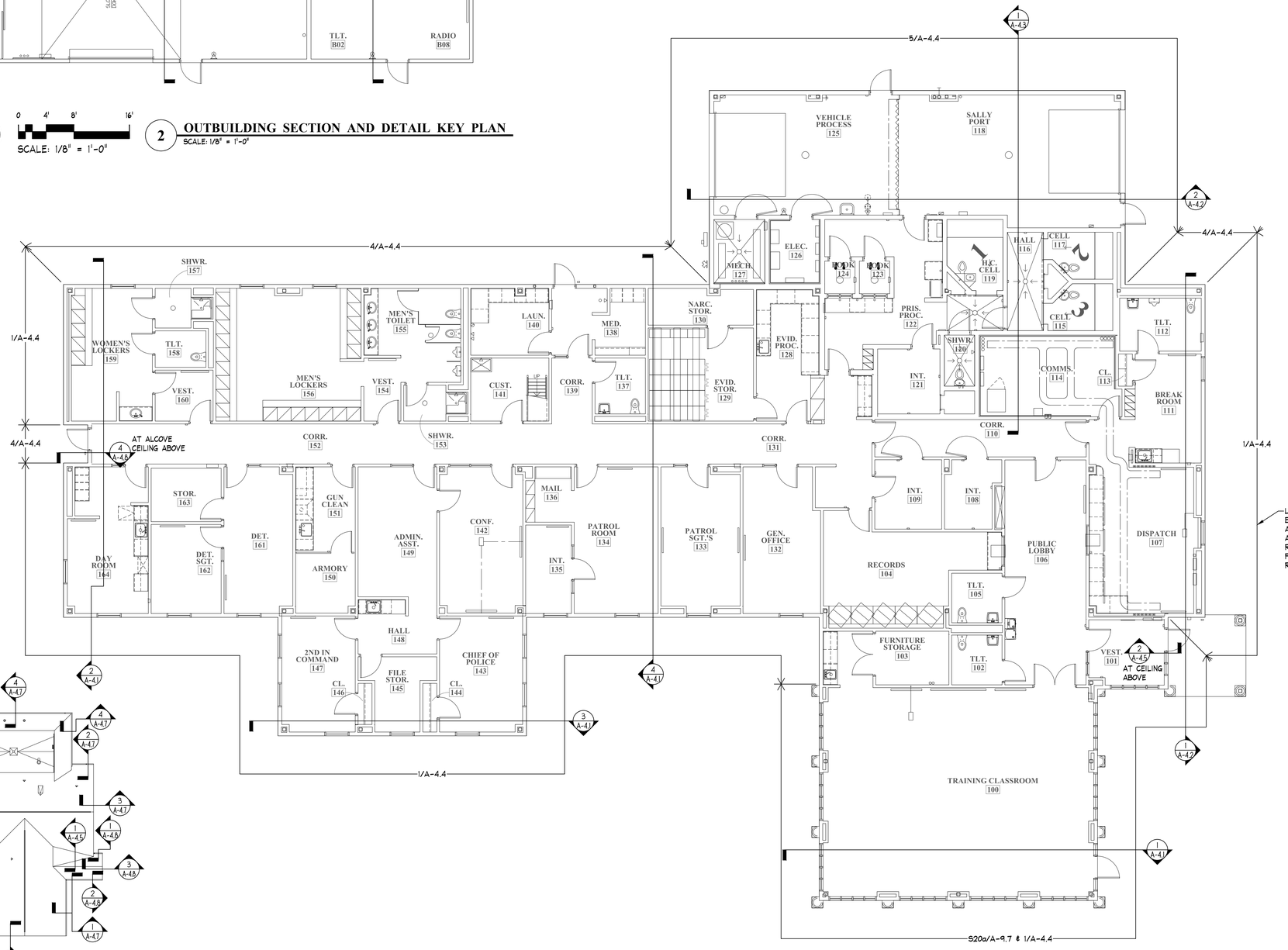


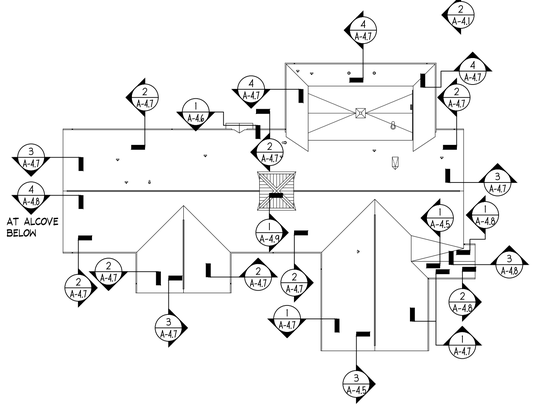
0 4' 8' 16'

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

2 OUTBUILDING SECTION AND DETAIL KEY PLAN

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





3 MAIN BUILDING SECTION AND DETAIL ROOF KEY PLAN

SCALE: 1" = 30'

0 4' 8' 16'

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

1 MAIN BUILDING SECTION AND DETAIL KEY PLAN

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

SUBMISSIONS & REVISIONS		
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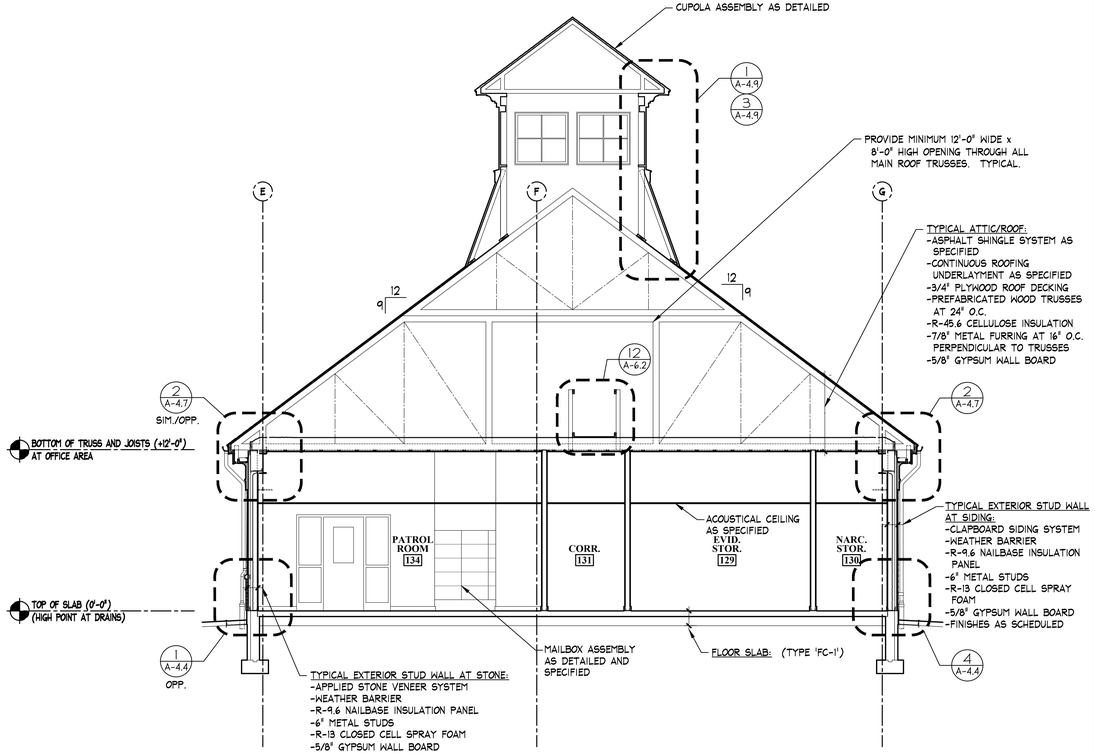
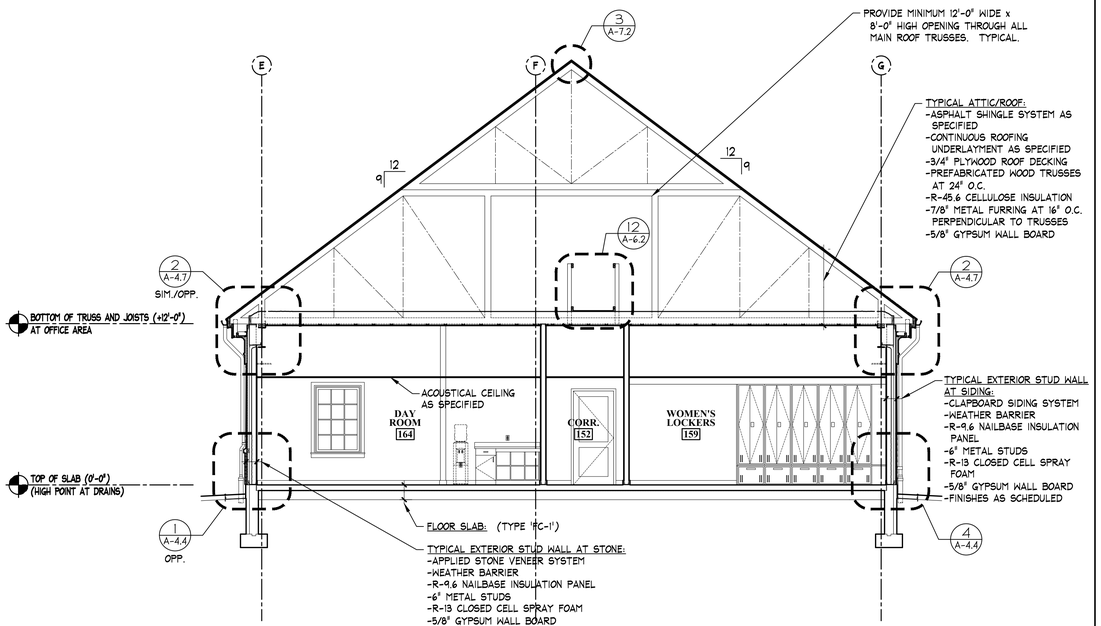
SECTION AND DETAIL KEY PLANS

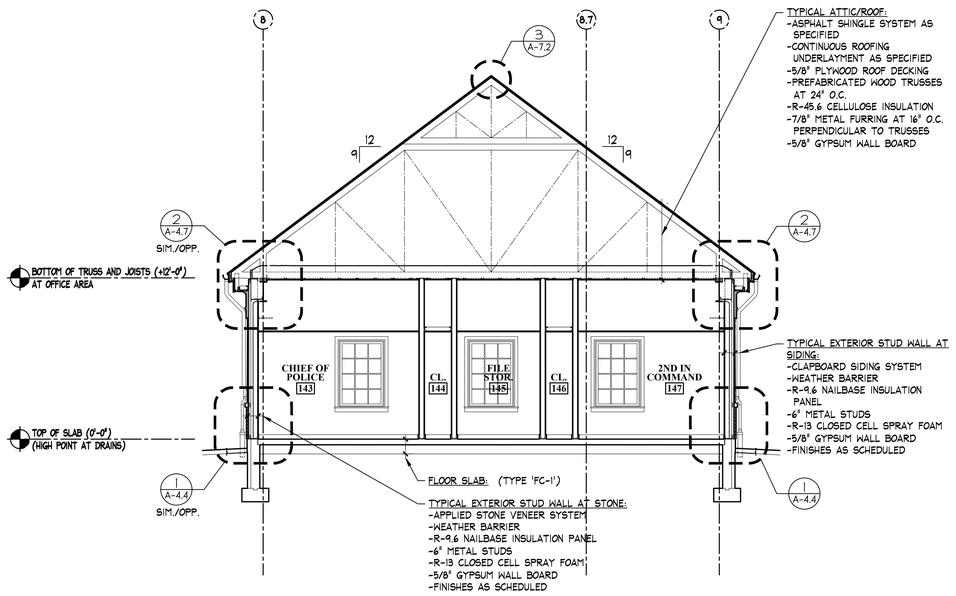
PROJ. NO.	DRAWING NO.
JH1830	A-4.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



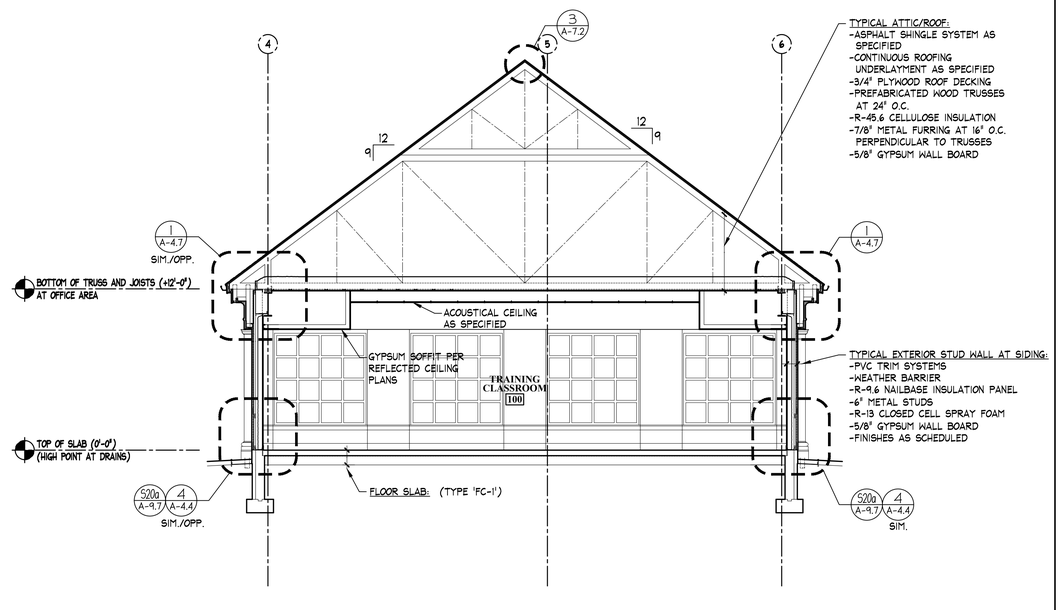
4 MAIN BUILDING BUILDING SECTION
SCALE: 3/16" = 1'-0"



2 MAIN BUILDING BUILDING SECTION
SCALE: 3/16" = 1'-0"



3 MAIN BUILDING BUILDING SECTION
SCALE: 3/16" = 1'-0"



1 MAIN BUILDING BUILDING SECTION
SCALE: 3/16" = 1'-0"

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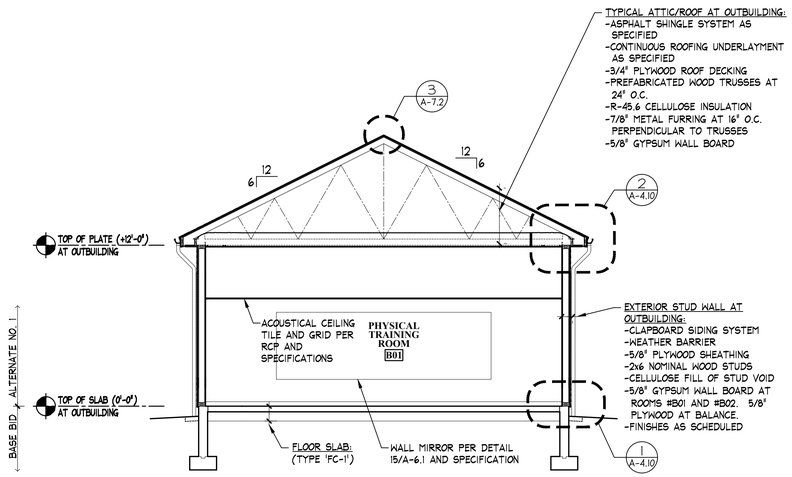
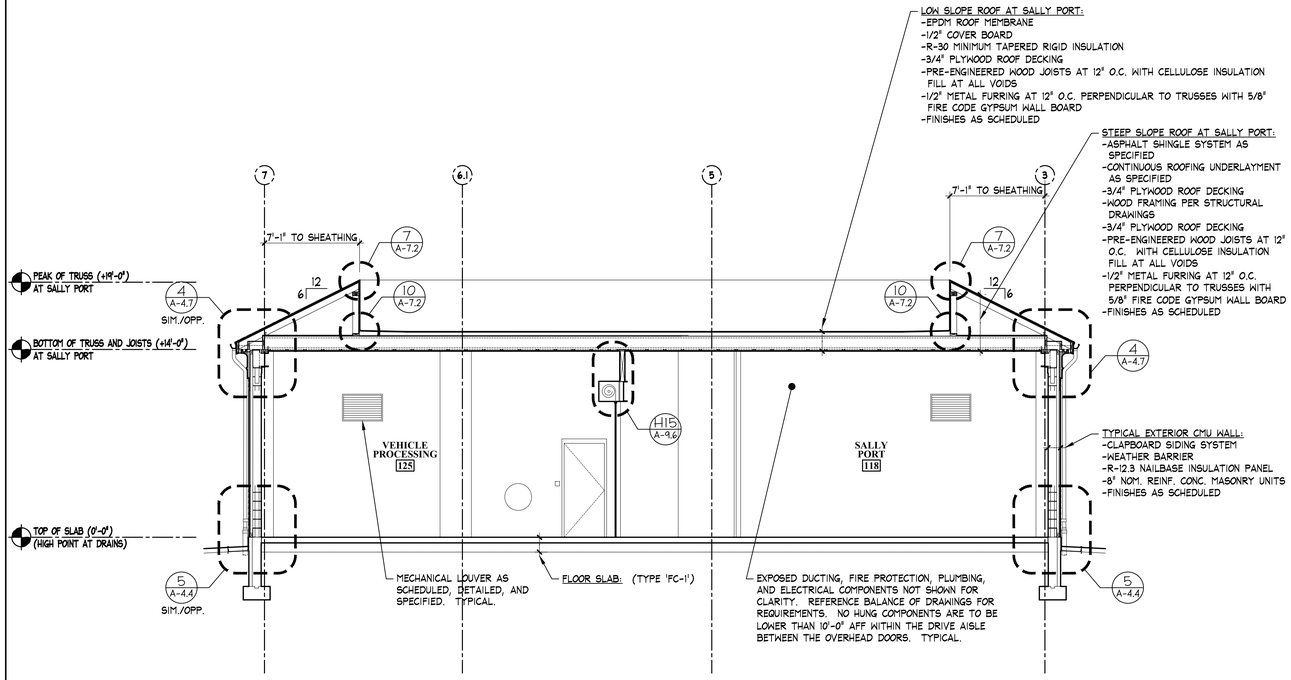
BUILDING SECTIONS

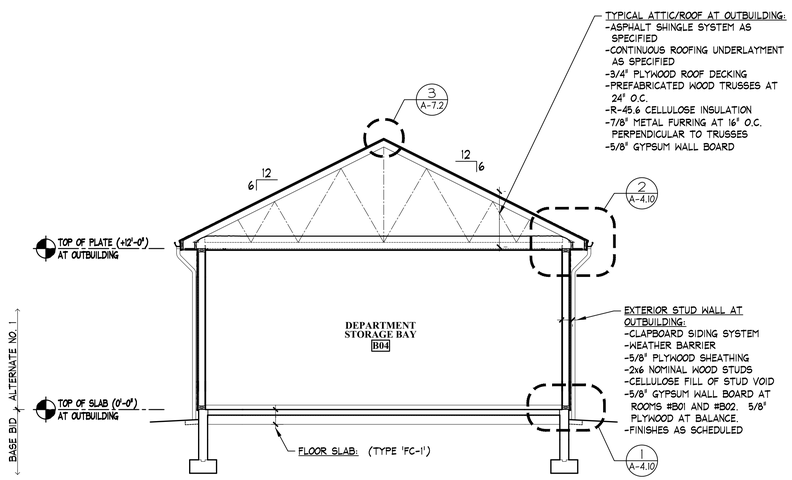
PROJ. NO.	DRAWING NO.
JH1830	*A-4.1*
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



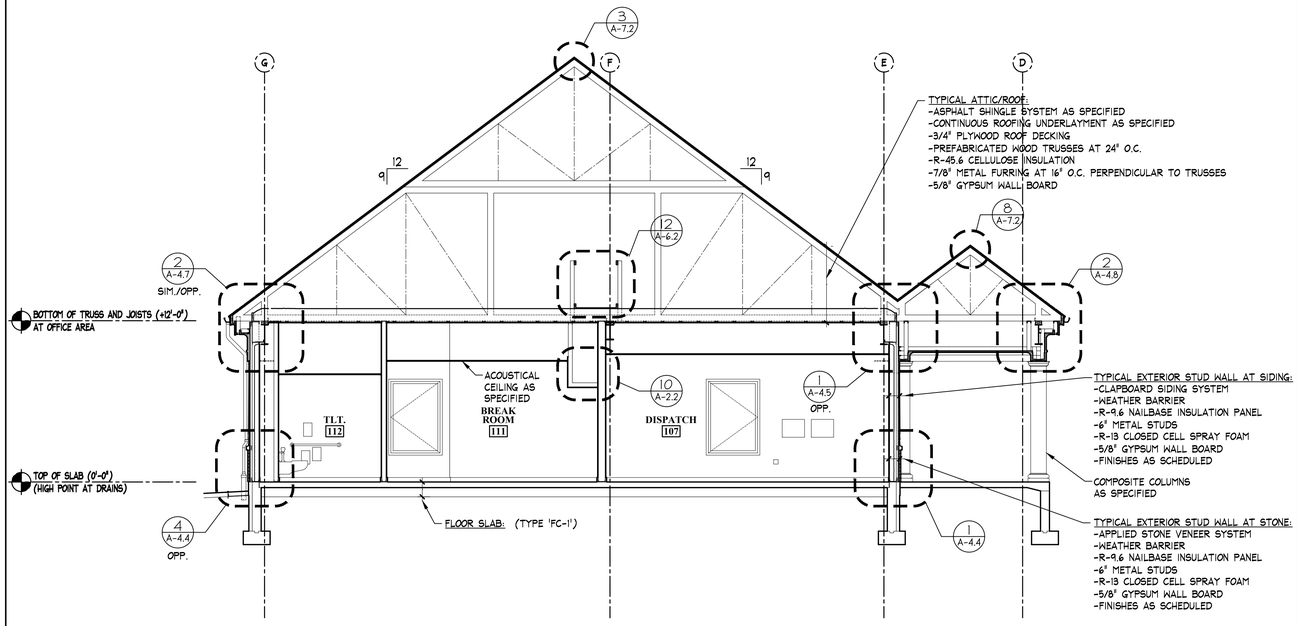
4 **OUTBUILDING BUILDING SECTION**
SCALE: 3/16" = 1'-0"



2 **MAIN BUILDING BUILDING SECTION**
SCALE: 3/16" = 1'-0"



3 **OUTBUILDING BUILDING SECTION**
SCALE: 3/16" = 1'-0"



1 **MAIN BUILDING BUILDING SECTION**
SCALE: 3/16" = 1'-0"

SUBMISSIONS & REVISIONS		
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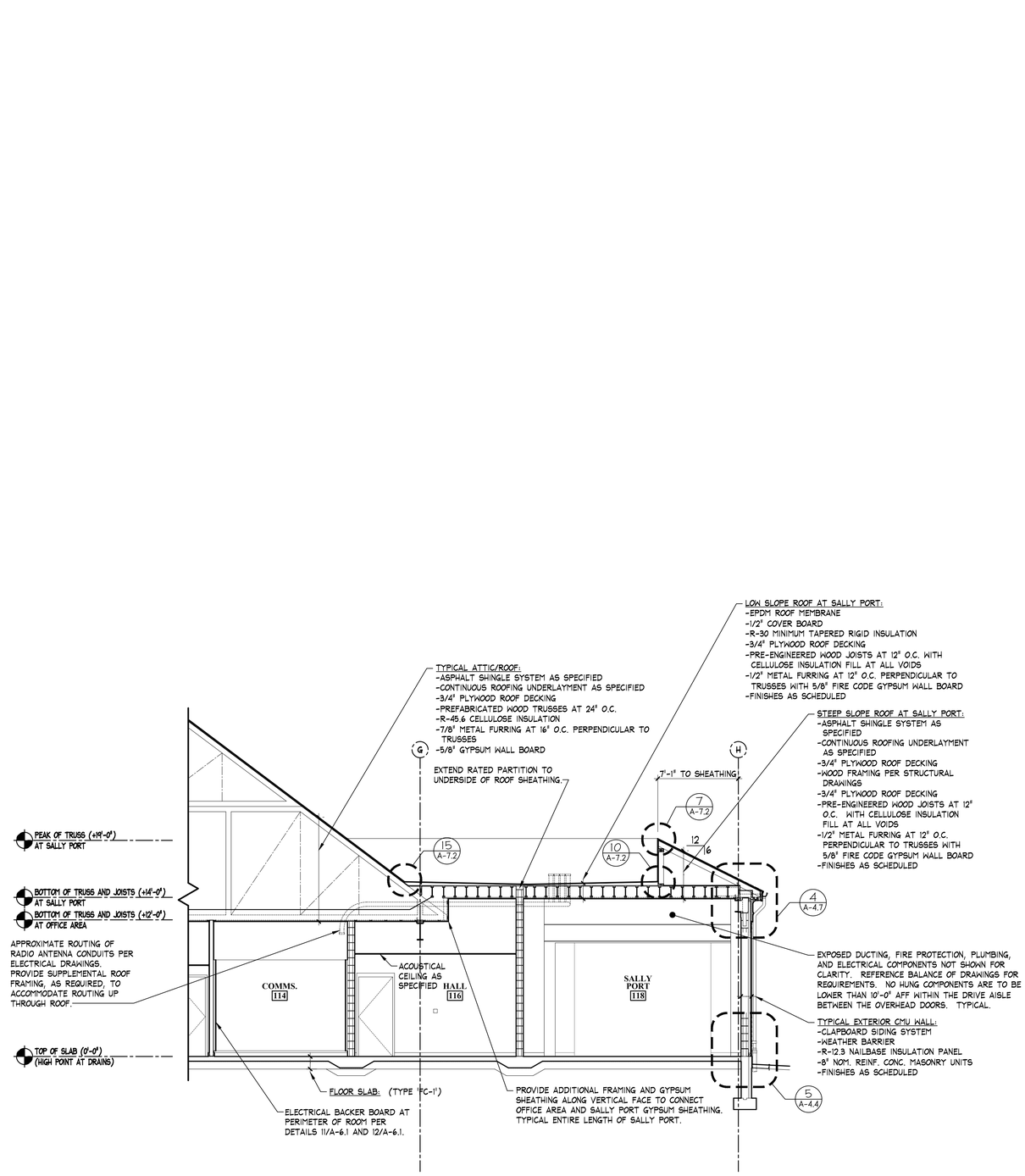
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

BUILDING SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-4.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



1 MAIN BUILDING BUILDING SECTION
SCALE: 3/16" = 1'-0"

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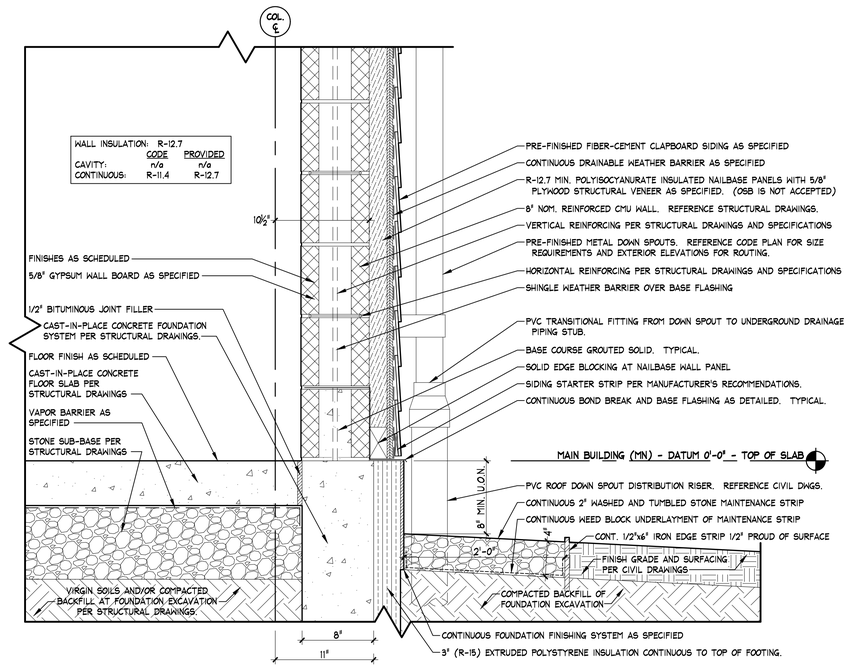
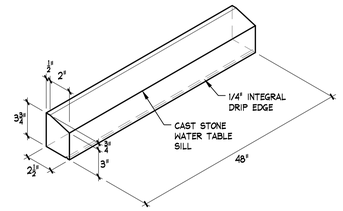
BUILDING SECTION

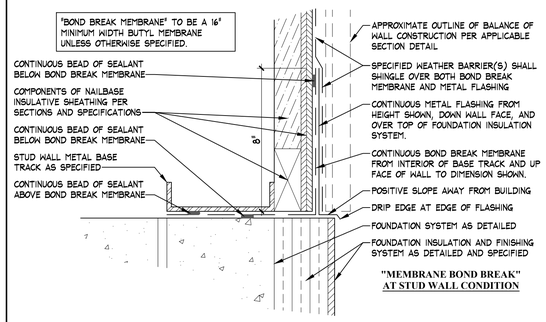
PROJ. NO.	DRAWING NO.
JH1830	*A-4.3*
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



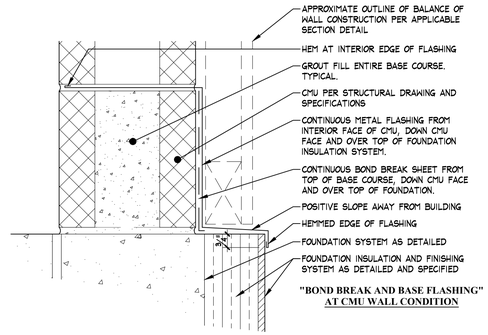
5 **MAIN BUILDING - BASE OF WALL SECTION AT EXTERIOR MASONRY WALL**
SCALE: 1-1/2" = 1'-0"



3 **PRECAST STONE WATER TABLE CAP ISOMETRIC DETAIL**
SCALE: 1-1/2" = 1'-0"

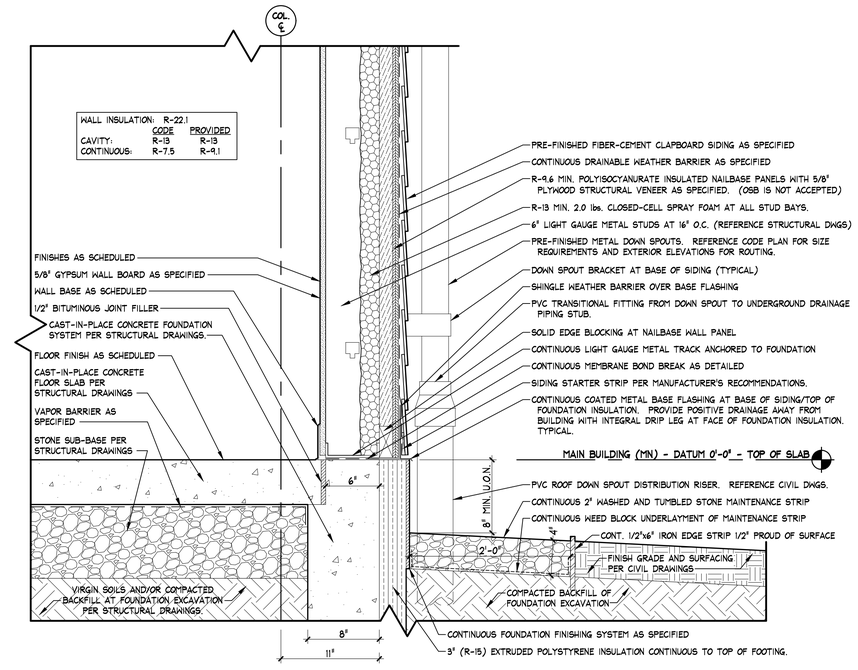


"MEMBRANE BOND BREAK" AT STUD WALL CONDITION

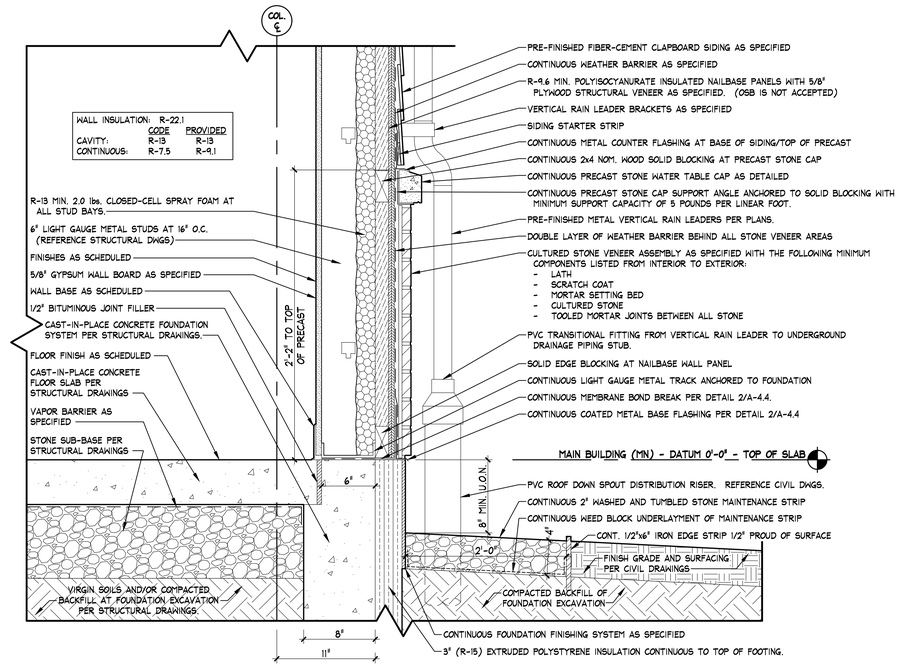


"BOND BREAK AND BASE FLASHING" AT CMU WALL CONDITION

2 **TYPICAL BASE OF WALL FLASHING ASSEMBLIES**
SCALE: 3" = 1'-0"



4 **MAIN BUILDING - BASE OF WALL SECTION AT EXTERIOR STUD AND SIDING**
SCALE: 1-1/2" = 1'-0"



1 **MAIN BUILDING - BASE OF WALL SECTION AT EXTERIOR STUD AND STONE VENEER**
SCALE: 1-1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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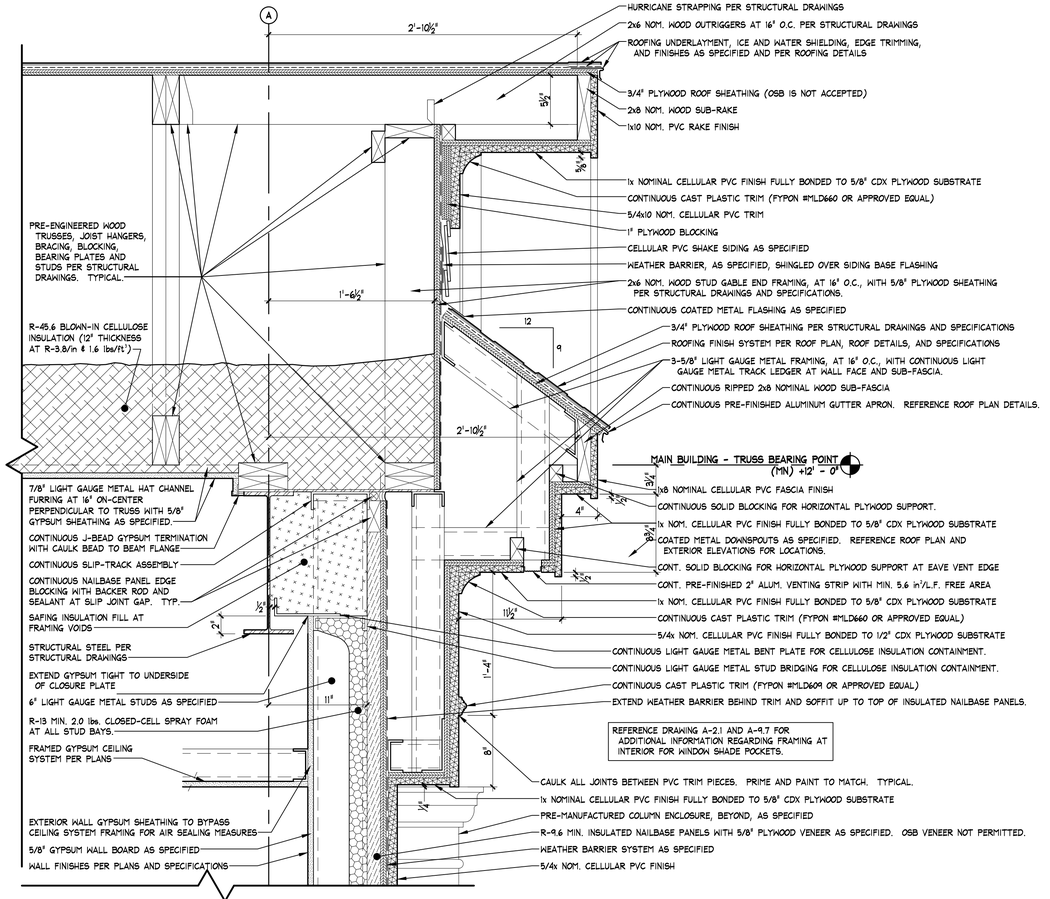
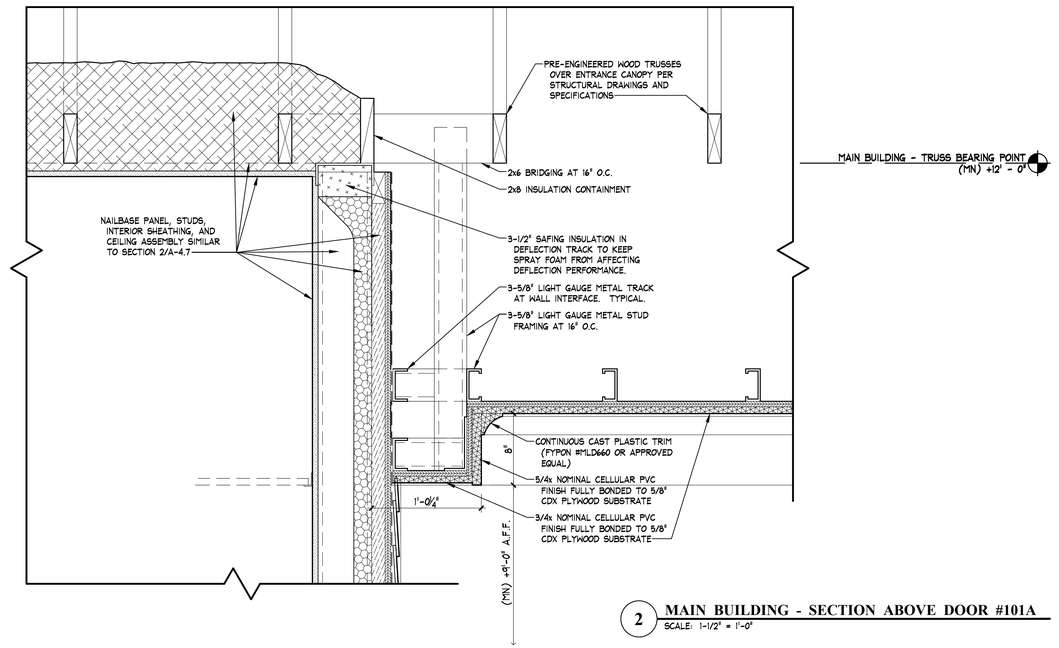
MAIN BUILDING BASE OF WALL SECTIONS

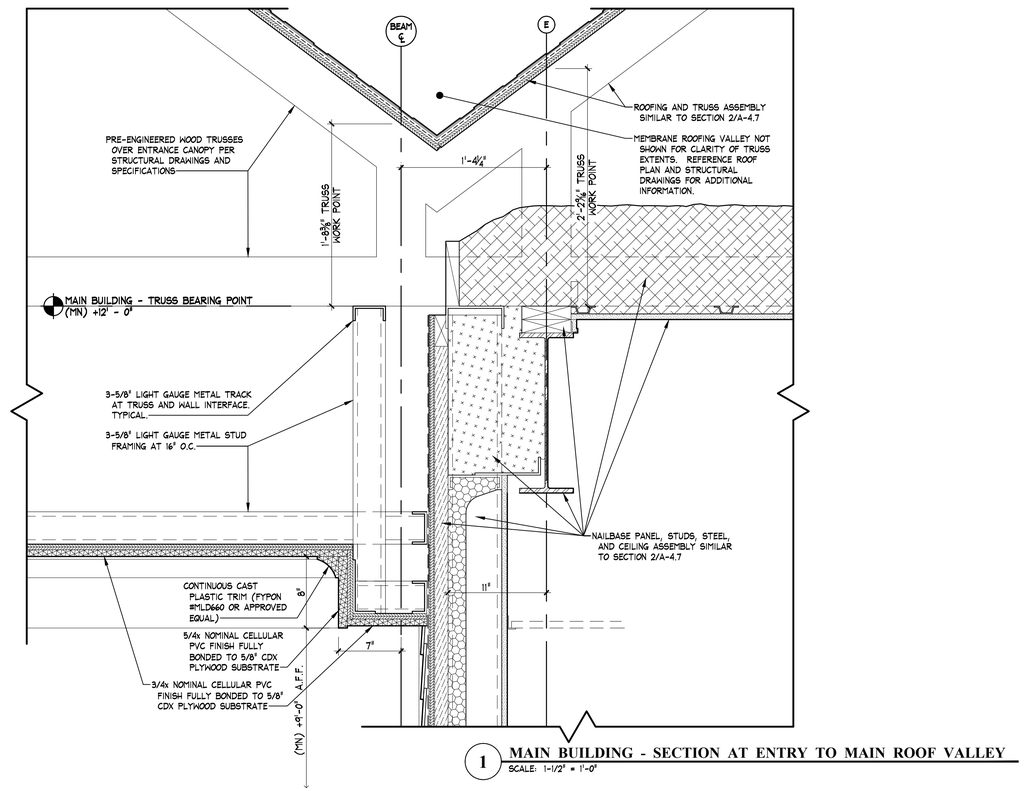
PROJ. NO.	DRAWING NO.
JH1830	A-4.4
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



3 MAIN BUILDING - SECTION AT GABLE END AT TRAINING CLASSROOM #100
SCALE: 1-1/2" = 1'-0"



2 MAIN BUILDING - SECTION ABOVE DOOR #101A
SCALE: 1-1/2" = 1'-0"



1 MAIN BUILDING - SECTION AT ENTRY TO MAIN ROOF VALLEY
SCALE: 1-1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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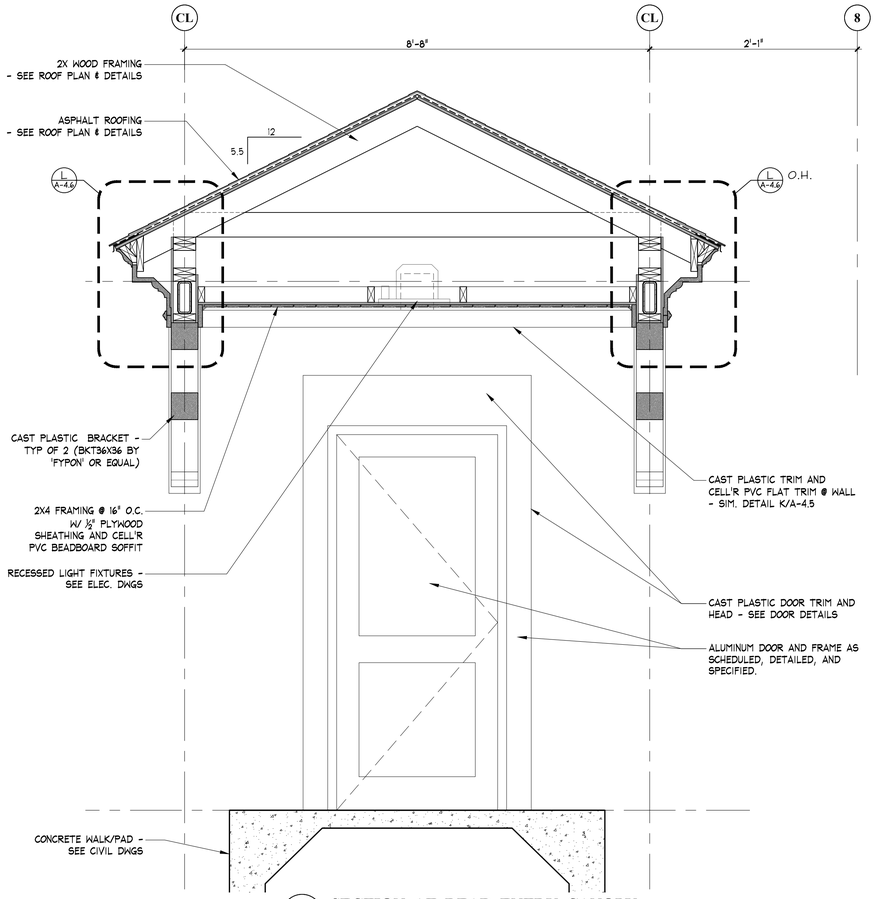
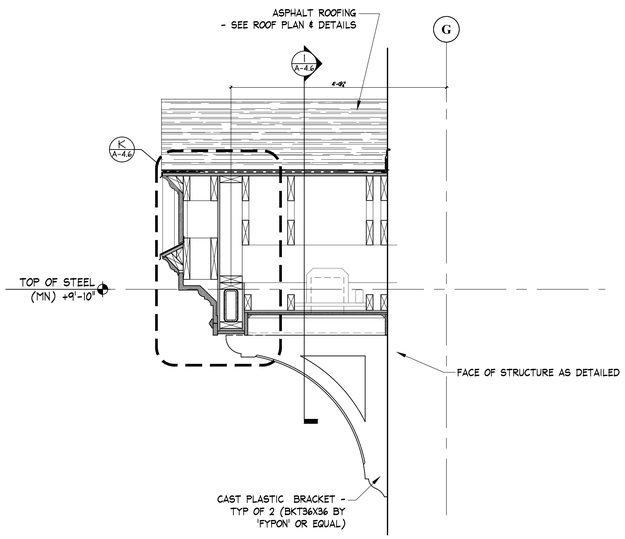
MAIN BUILDING SECTION DETAILS

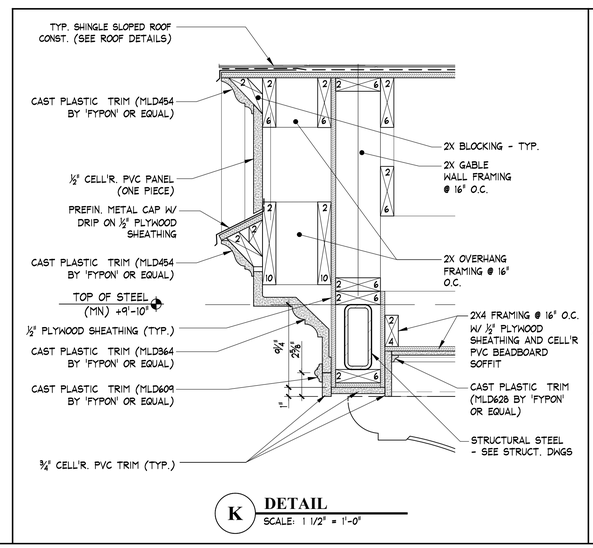
PROJ. NO.	DRAWING NO.
JH1830	A-4.5
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



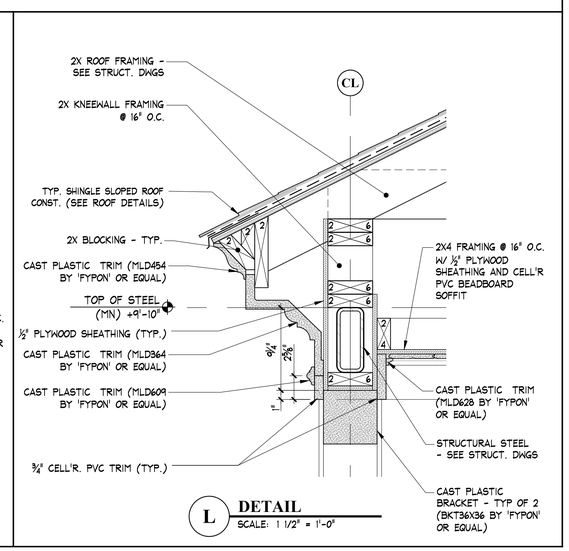
1 SECTION AT REAR ENTRY CANOPY
SCALE: 3/4" = 1'-0"



2 SECTION AT REAR ENTRY CANOPY
SCALE: 3/4" = 1'-0"



K DETAIL
SCALE: 1 1/2" = 1'-0"



L DETAIL
SCALE: 1 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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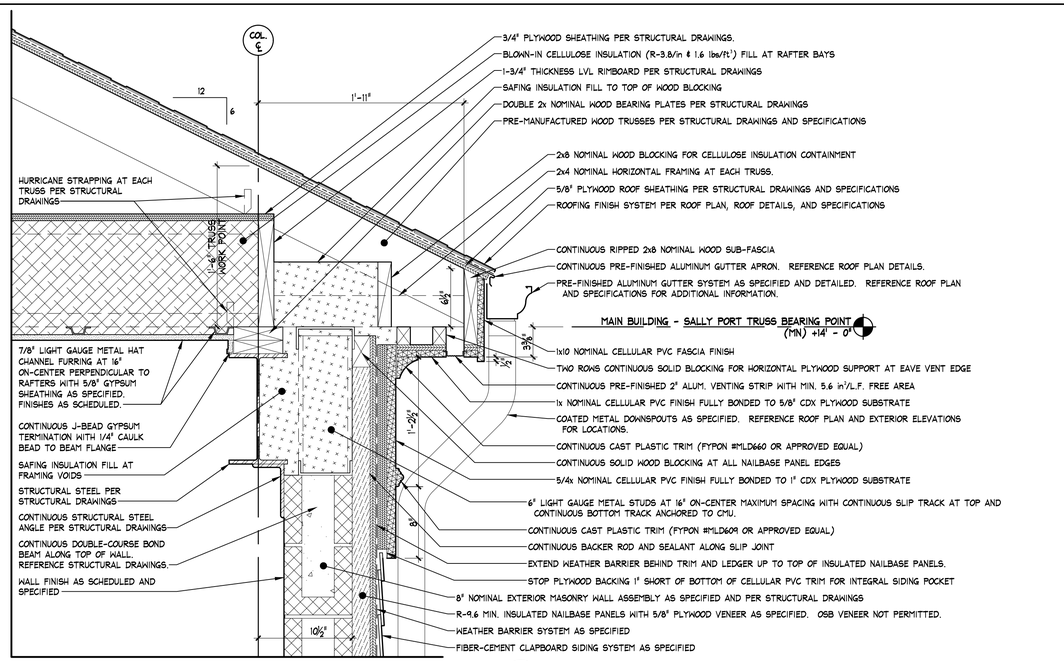
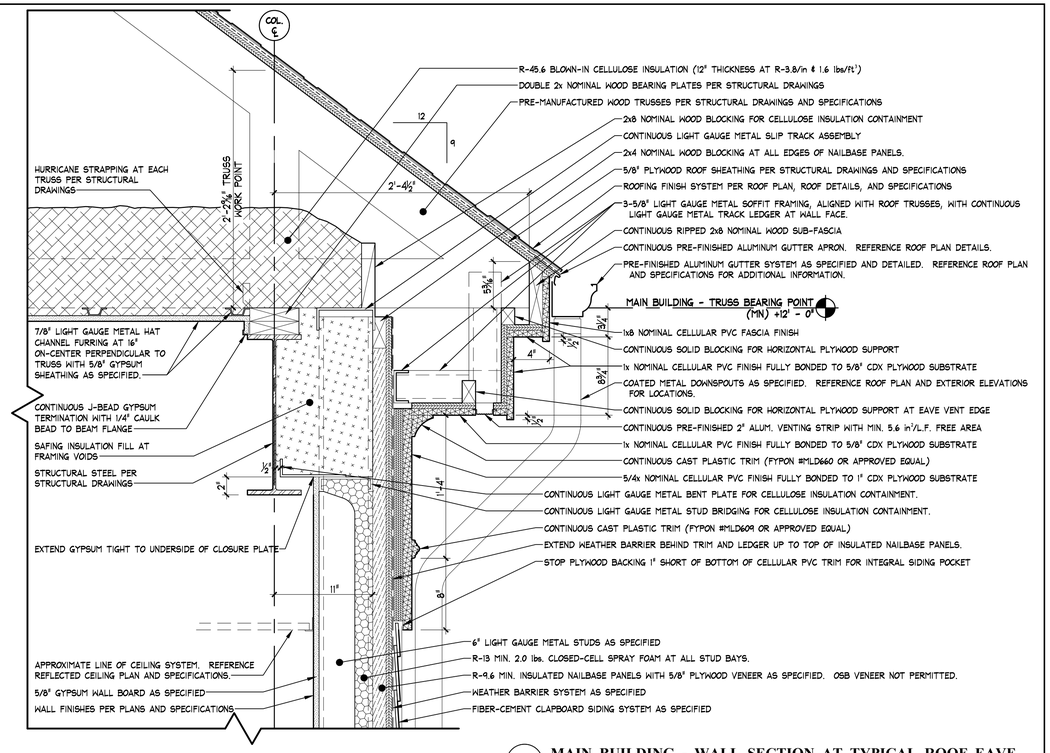
MAIN BUILDING DOOR #138A CANOPY SECTIONS

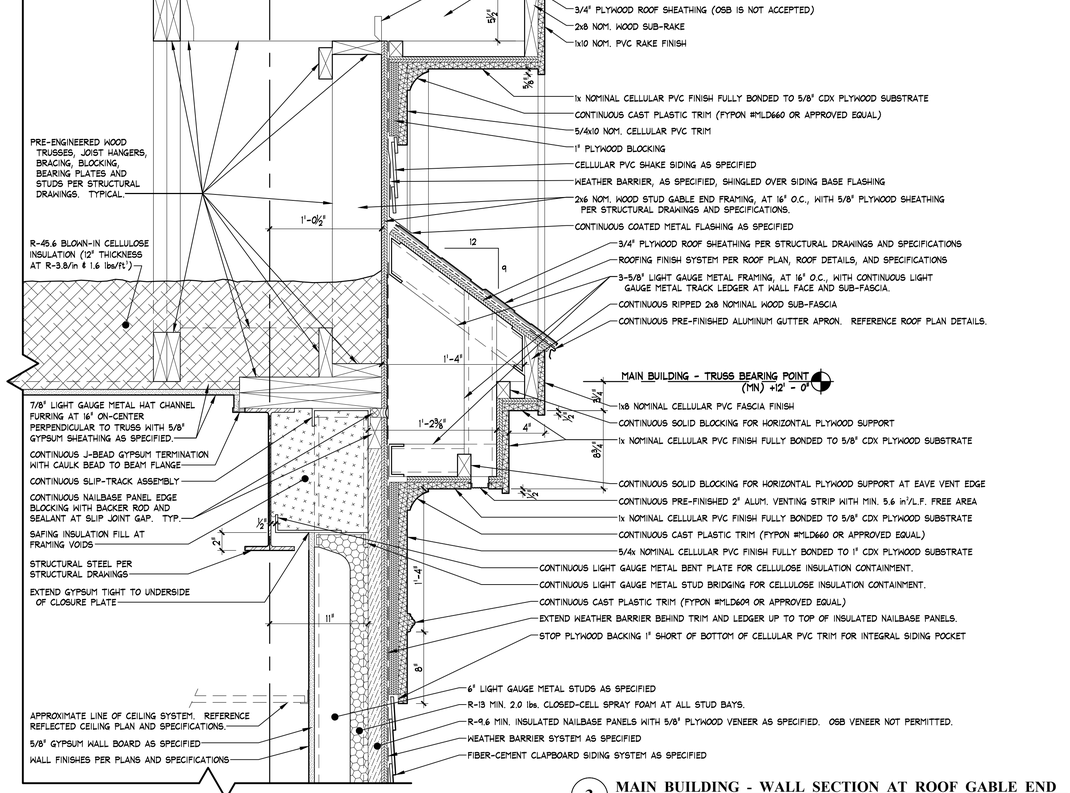
PROJ. NO.	DRAWING NO.
JH1830	A-4.6
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



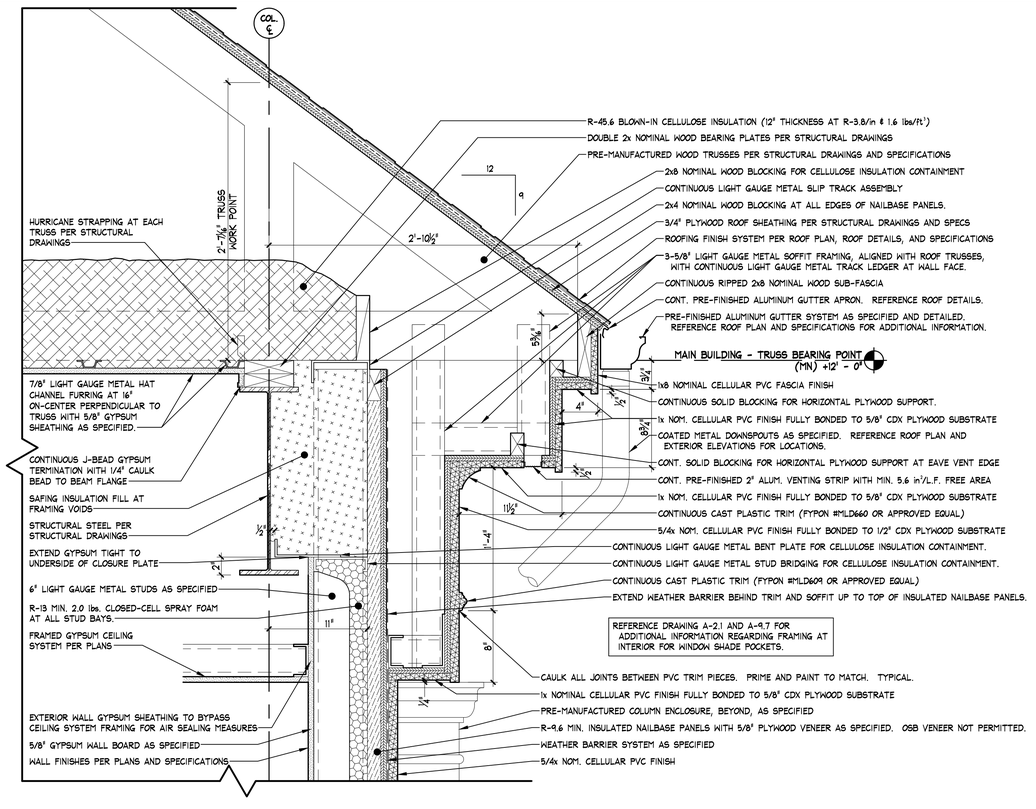
4 MAIN BUILDING - WALL SECTION AT SALLY PORT ROOF EAVE
SCALE: 1-1/2" = 1'-0"



2 MAIN BUILDING - WALL SECTION AT TYPICAL ROOF EAVE
SCALE: 1-1/2" = 1'-0"



3 MAIN BUILDING - WALL SECTION AT ROOF GABLE END
SCALE: 1-1/2" = 1'-0"



SUBMISSIONS & REVISIONS		
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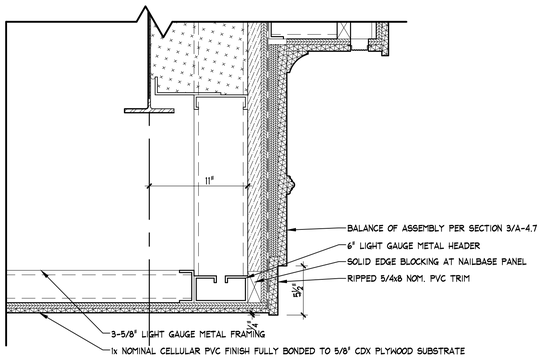
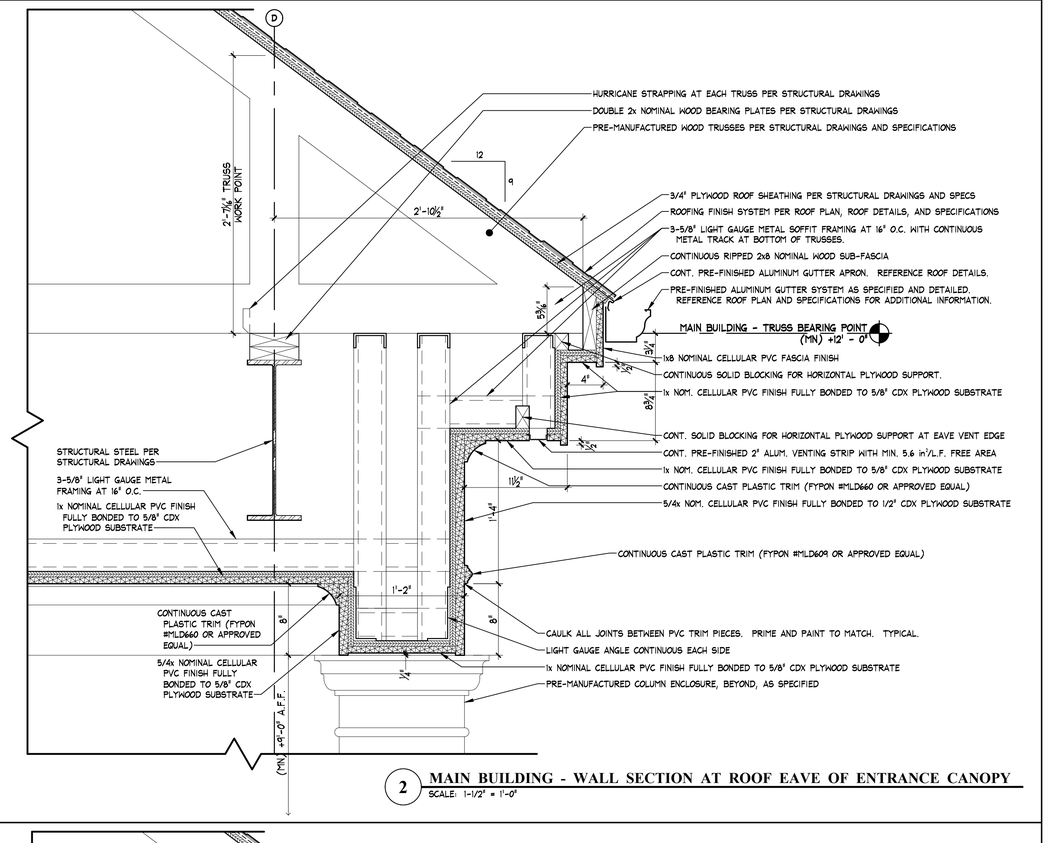
MAIN BUILDING ROOF EDGE WALL SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-4.7
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

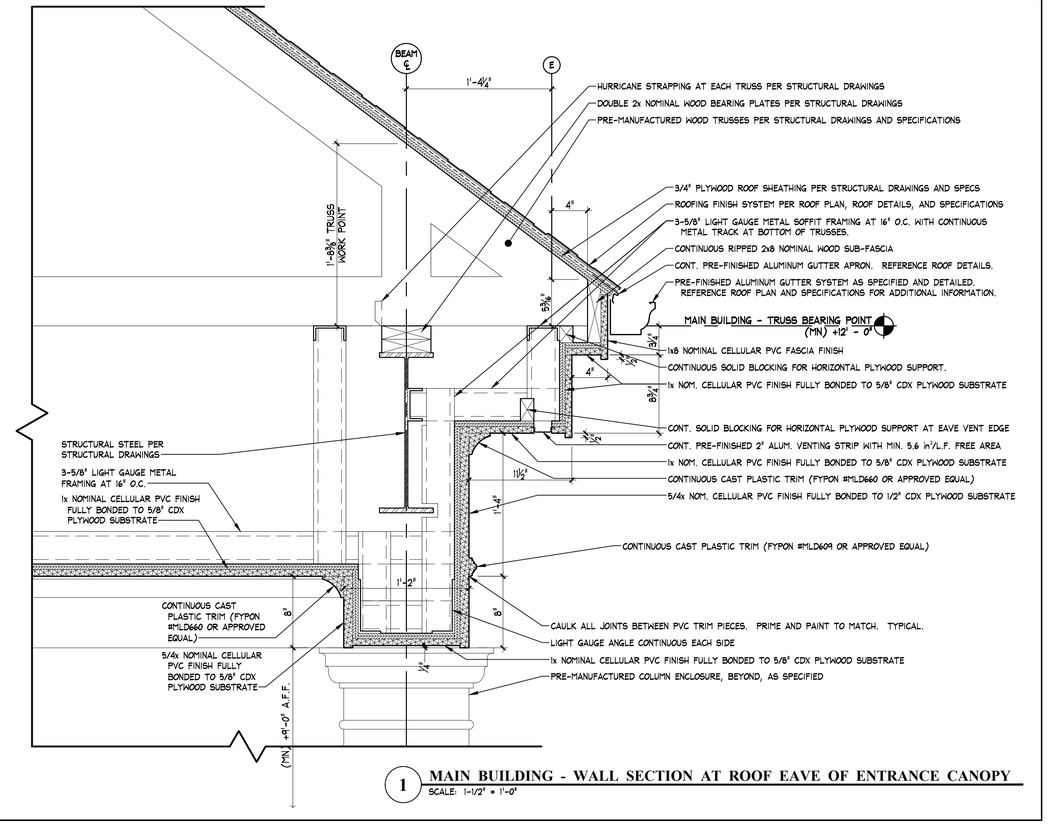


4 MAIN BUILDING - ROOF EDGE SECTION AT CEILING EDGE ABOVE DOOR #152A
SCALE: 1-1/2" = 1'-0"



2 MAIN BUILDING - WALL SECTION AT ROOF EAVE OF ENTRANCE CANOPY
SCALE: 1-1/2" = 1'-0"

3 MAIN BUILDING - WALL SECTION AT ROOF RAKE OF ENTRANCE CANOPY
SCALE: 1-1/2" = 1'-0"



1 MAIN BUILDING - WALL SECTION AT ROOF EAVE OF ENTRANCE CANOPY
SCALE: 1-1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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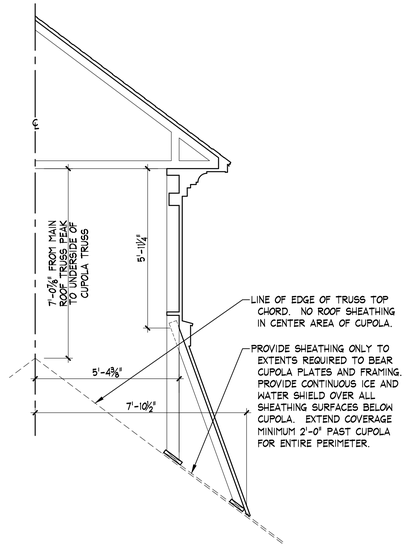
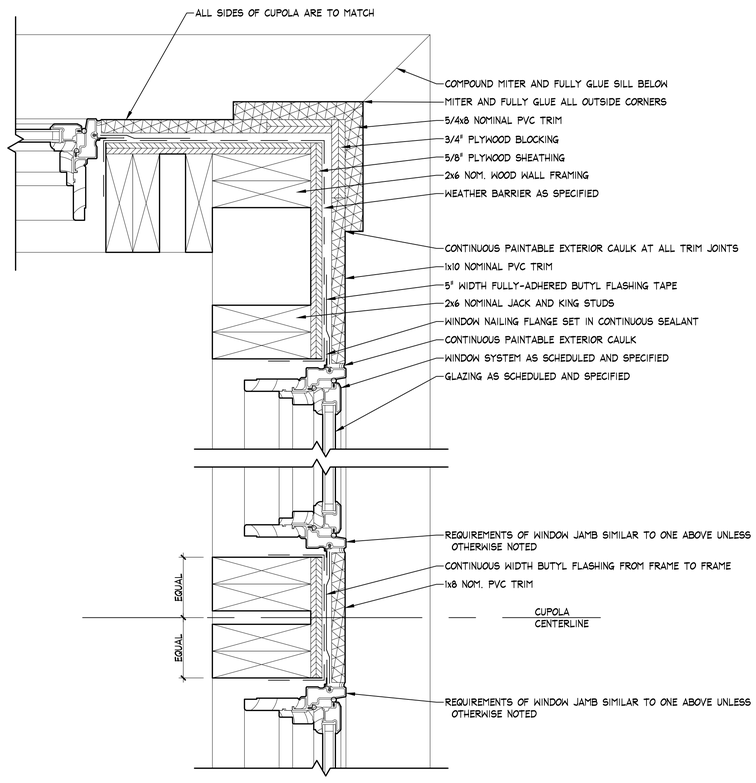
MAIN BUILDING SECTION DETAILS

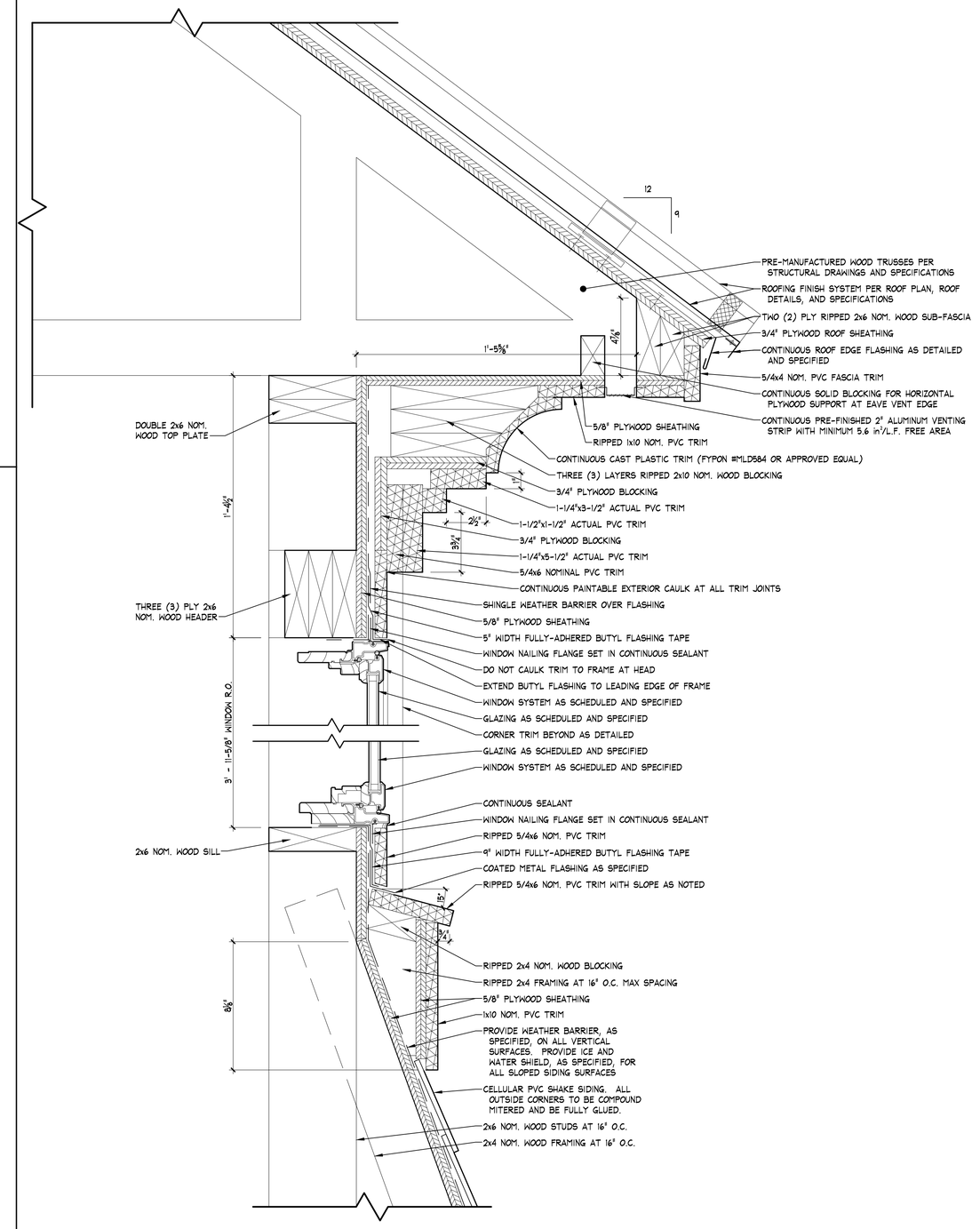
PROJ. NO.	DRAWING NO.
JH1830	A-4.8
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



3 MAIN BUILDING - DIMENSIONAL SECTION AT CUPOLA
SCALE: 3" = 1'-0"



2 MAIN BUILDING - PLAN SECTION AT CUPOLA
SCALE: 3" = 1'-0"



1 MAIN BUILDING - SECTION AT CUPOLA
SCALE: 3" = 1'-0"

SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
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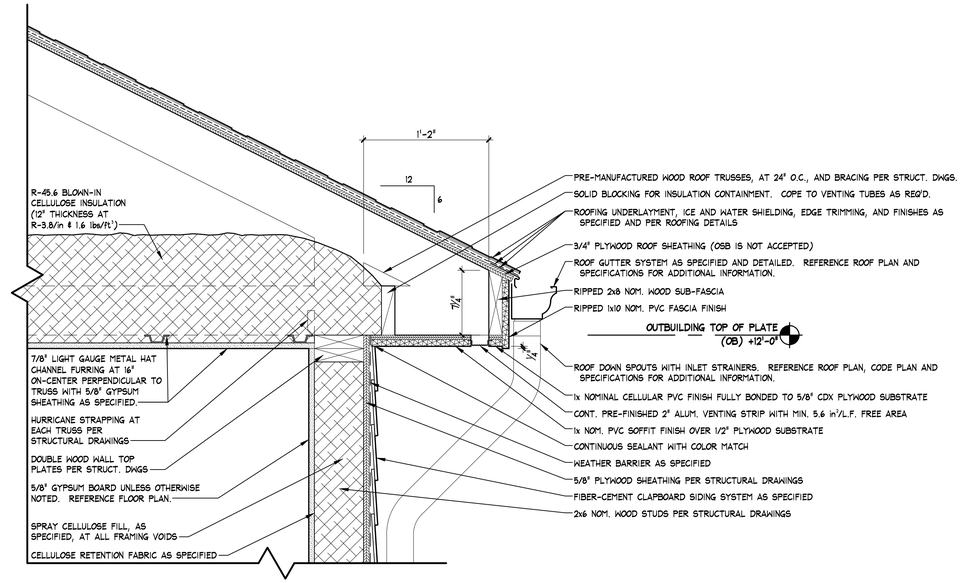
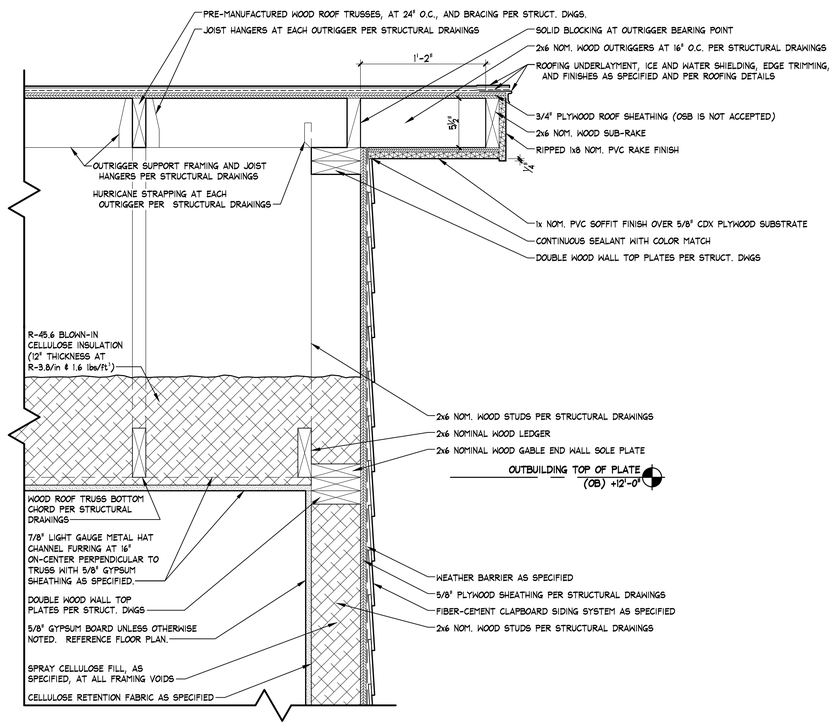
MAIN BUILDING CUPOLA SECTIONS

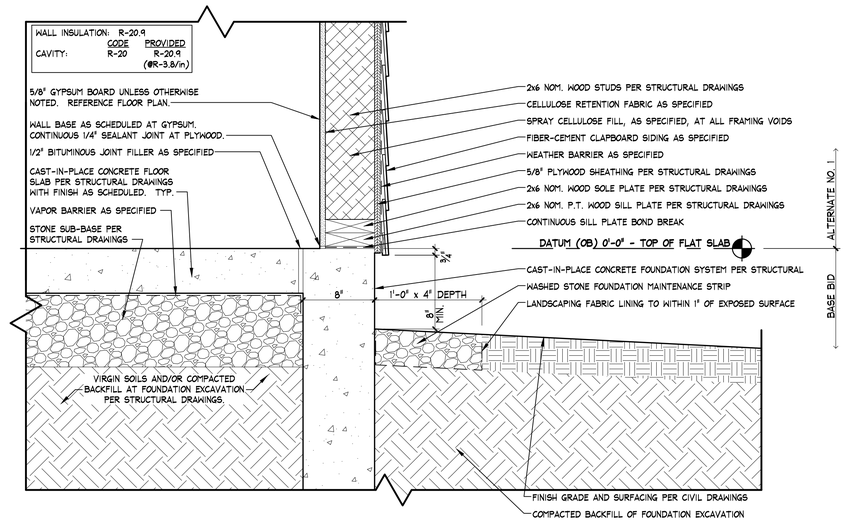
PROJ. NO. JH1830	DRAWING NO. A-4.9
SCALE As Noted	
DATE OCTOBER 2, 2019	



2 **(ALTERNATE NO. 1) OUTBUILDING - ROOF EAVE SECTION**
SCALE: 1-1/2" = 1'-0"



3 **(ALTERNATE NO. 1) OUTBUILDING - GABLE END TOP OF WALL AND ROOF RAKE SECTION**
SCALE: 1-1/2" = 1'-0"



1 **OUTBUILDING - BASE OF WALL SECTION**
SCALE: 1-1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
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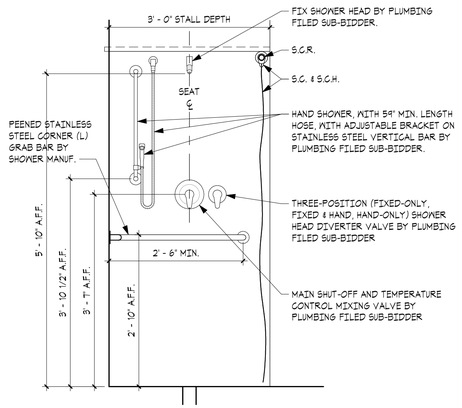
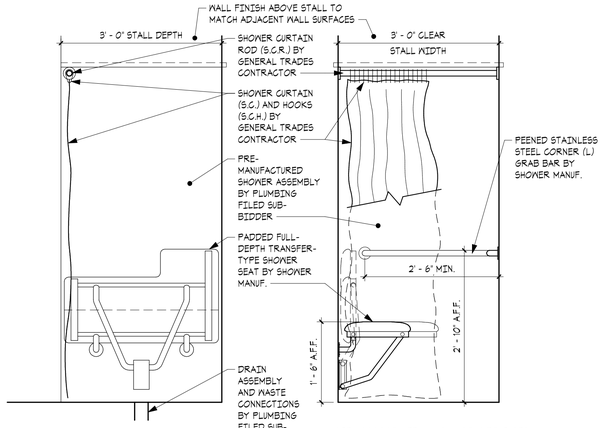
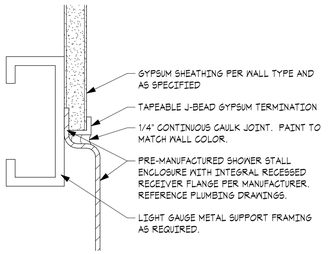
OUTBUILDING WALL SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-4.10
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

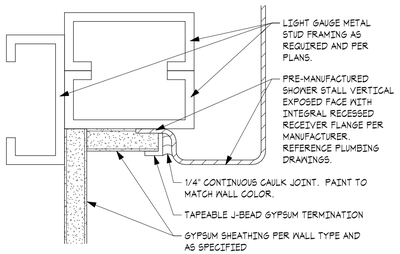




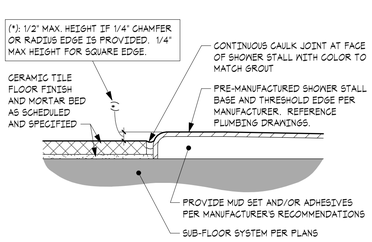
5 SHOWER - MAS COMPLIANT TRANSFER-TYPE STALL REQUIREMENTS
SCALE: 3/4" = 1'-0"



4 SHOWER - STALL TOP EDGE TO WALL DETAIL
SCALE: 6" = 1'-0"



3 SHOWER - STALL SIDE EDGE TO WALL DETAIL
SCALE: 6" = 1'-0"

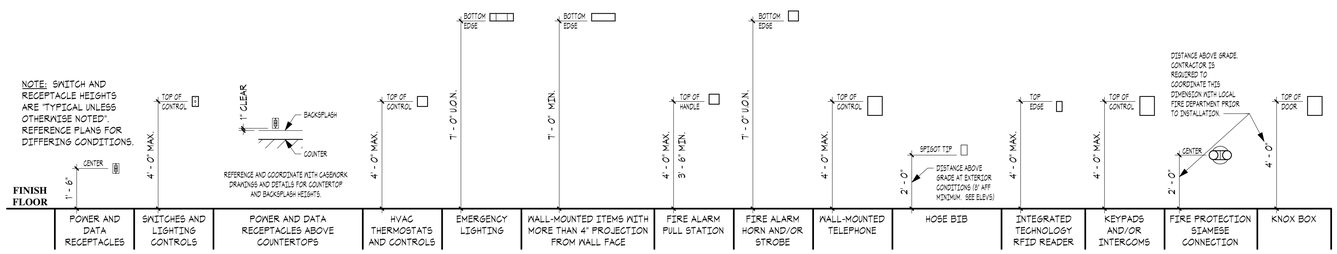


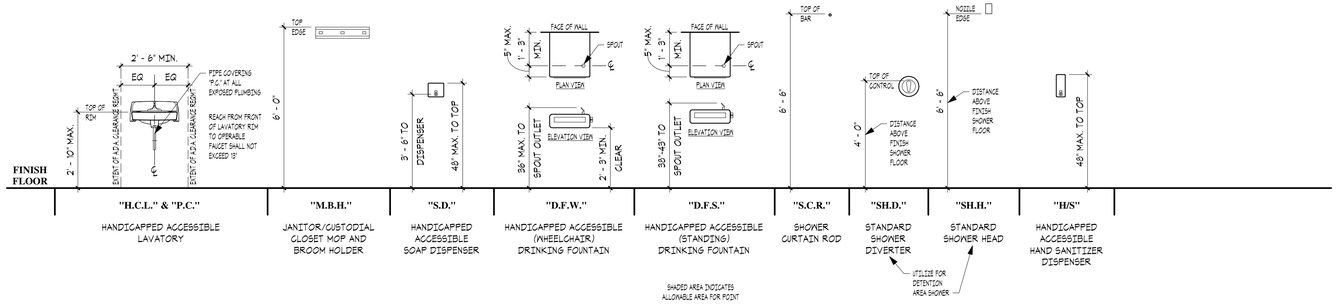
2 SHOWER - TRANSFER-TYPE THRESHOLD DETAIL
SCALE: 6" = 1'-0"

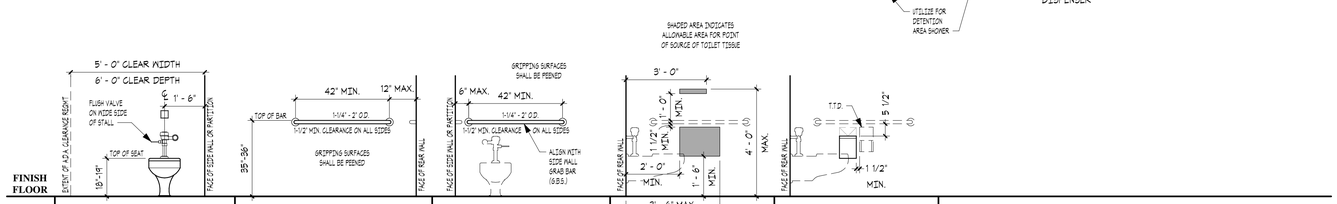
SCHEDULE OF MOUNTING HEIGHTS AND ACCESSIBILITY REQUIREMENTS

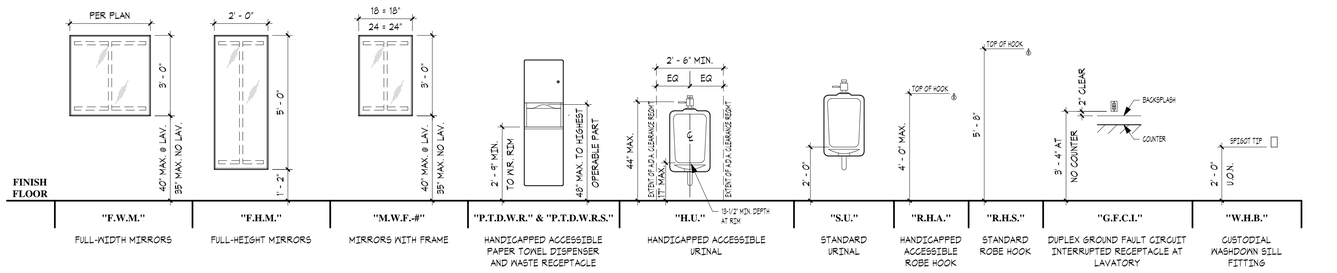
FIXTURE, EQUIPMENT, AND ACCESSORY MOUNTING NOTES:

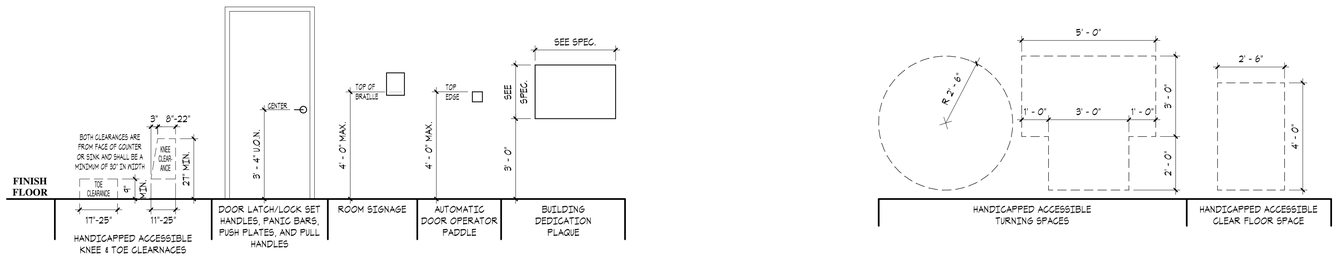
1. CONTRACTOR IS RESPONSIBLE TO COORDINATE INSTALLATION OF ALL FIXTURES, EQUIPMENT, AND REQUIRED BLOCKING TO ENSURE LOCATION TOLERANCE IS MET. IF ANY FIXTURE IS INSTALLED OUTSIDE OF TOLERANCES NOTED THEN THE ISSUE SHALL BE RESOLVED AT CONTRACTOR'S OWN EXPENSE.
2. NOT ALL FIXTURES SHOWN MAY VISUALLY REPRESENT EXACT FIXTURE SCHEDULED. CONTRACTOR TO COORDINATE EXACT FIXTURES AGAINST THESE TOLERANCES AND PRESENT ANY DISCREPANCIES TO THE DESIGN TEAM PRIOR TO COMMENCEMENT OF WORK.
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION FOR AND TO PROVIDE SOLID BLOCKING WITHIN ALL WALL CAVITIES IN AREAS SCHEDULED TO RECEIVE WALL MOUNTED EQUIPMENT AND/OR FIXTURES.
4. ALL SINK DRAINS AND SUPPLY LINES SHALL BE OFFSET TO ENSURE UN-OBSTRUCTED KNEE AND TOE CLEARANCES
5. ALL PIPING BELOW SINKS WITHIN THE SCOPE OF WORK AREA, THAT WILL BE EXPOSED, SHALL BE ENCASED WITH A PROTECTIVE AND INSULATING JACKET ASSEMBLY.
6. ALL GRAB BAR GRIPPING SURFACES SHALL BE FREE FROM ANY AND ALL OBSTRUCTIONS WITHIN 1-1/2" MEASURED AT ANY PART, AND IN ANY DIRECTION, OF THE GRIPPABLE SURFACES.











SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MOUNTING HEIGHTS AND DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-5.1
SCALE: As indicated	
DATE: OCTOBER 2, 2019	

SYMBOLS LEGEND

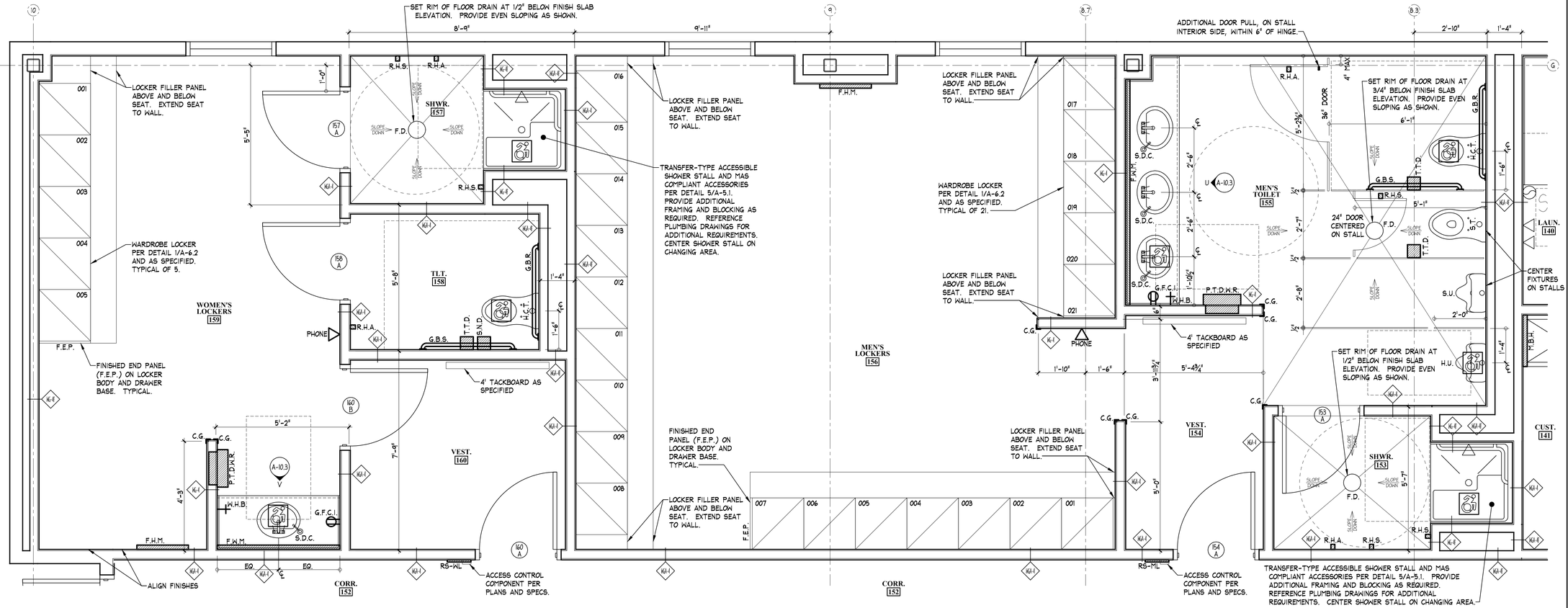
CORR. 219	ROOM NAME TAG
W-1	WALL TAG
100 A	DOOR TAG
A-10.1 H	INTERIOR ELEVATION TAG
	ACCESSIBLE FIXTURE TAG
	TOILET ACCESSORY AS IDENTIFIED (REFERENCE SPECIFICATIONS)
	PLUMBING FIXTURE INDICATORS (REFERENCE PLUMBING DRAWINGS)
	ELECTRICAL FIXTURE INDICATORS (REFERENCE ELECTRICAL DRAWINGS)
FACE OF FINISH	DIMENSIONS TO FACE OF FINISH
FACE OF STUD	DIMENSIONS TO FACE OF STUD

ABBREVIATIONS

C.G.	CORNER GUARD
F.D.	FLOOR DRAIN (SEE PLBG. DWGS)
F.H.M.	FULL-HEIGHT MIRROR
F.W.M.	FULL-WIDTH MIRROR
G.B.R.	GRAB BAR - REAR WALL
G.B.S.	GRAB BAR - SIDE WALL
G.F.C.I.	GROUND-FAULT CIRCUIT INTERUPTOR (SEE ELEC. DWGS.)
H.C.T.	HANDICAPPED ACCESSIBLE TOILET (SEE PLBG. DWGS.)
H.U.	HANDICAPPED ACCESSIBLE URINAL (SEE PLBG. DWGS.)
LAV.	HANDICAPPED ACCESSIBLE LAVATORY (SEE PLBG. DWGS.)
M.B.H.	MOP & BROOM HOLDER
M.W.F.	MIRROR WITH S.S. FRAME
P.C.	ADA COMPLIANT PIPE COVERS (SEE PLBG. DWGS)
P.T.D.W.R.	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
P.T.D.W.R.S.	- PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
R.H.A.	ROBE HOOK (ACCESSIBLE)
R.H.S.	ROBE HOOK (STANDARD)
RS-#	ROOM SIGNAGE (SEE DRAWING A-6.3)
S.C.	SHOWER CURTAIN
S.C.H.	SHOWER CURTAIN HOOKS
S.C.R.	SHOWER CURTAIN ROD
S.D.	SOAP DISPENSER (WALL-MOUNTED)
S.D.C.	SOAP DISPENSER (COUNTER-MOUNTED)
S.N.D.	SANITARY NAPKIN DISPOSAL
S.T.	STANDARD TOILET (SEE PLBG. DWGS.)
S.U.	STANDARD URINAL (SEE PLBG. DWGS.)
T.T.D.	TOILET TISSUE DISPENSER
W.H.B.	WASHDOWN CUSTODIAL SILL FITTING (SEE PLBG. DWGS.)

GENERAL NOTES

1. REFERENCE DRAWING A-5.1 FOR MOUNTING HEIGHT SCHEDULE AND ADDITIONAL REQUIREMENTS.
2. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL FIXTURE INFORMATION.
3. REFERENCE FINISH DRAWINGS FOR WALL FINISHES THAT MAY IMPACT ROUGH-IN LOCATIONS FROM DIMENSIONS SHOWN.
4. REFERENCE SPECIFICATIONS FOR ADDITIONAL TOILET ACCESSORY INFORMATION.



1 LARGE SCALE PLAN AT LOCKER ROOMS
SCALE: 1/2" = 1'-0"

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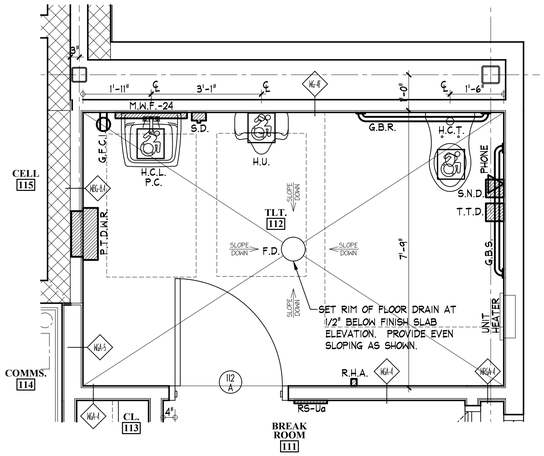
LARGE SCALE FLOOR PLAN

PROJ. NO. JH1830	DRAWING NO. A-5.2
SCALE As Noted	
DATE OCTOBER 2, 2019	

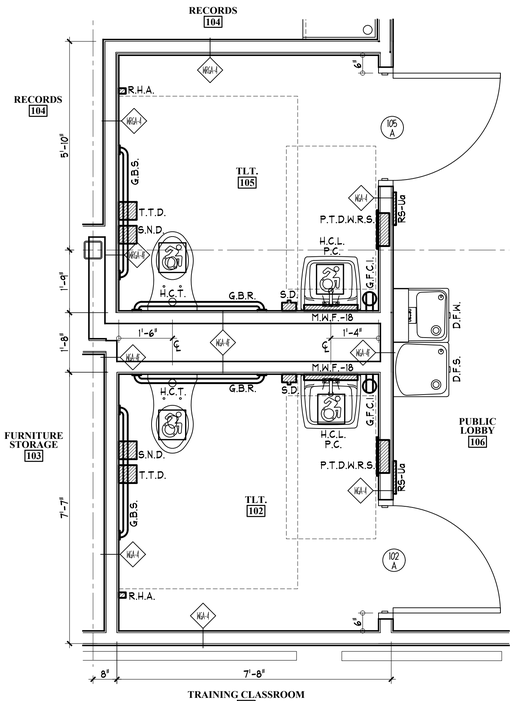


0 1' 2' 4'

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

4 LARGE SCALE FLOOR PLAN AT TLT. #112

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

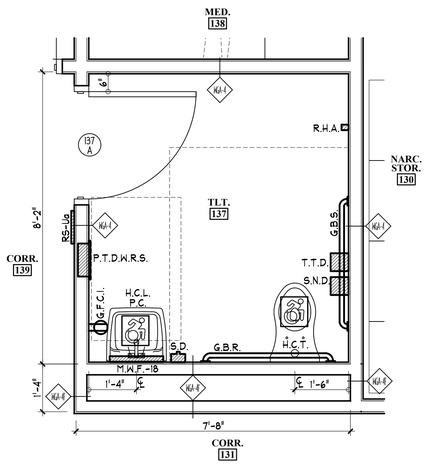


0 1' 2' 4'

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

3 LARGE SCALE FLOOR PLAN AT TLT. #102 AND TLT. #105

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

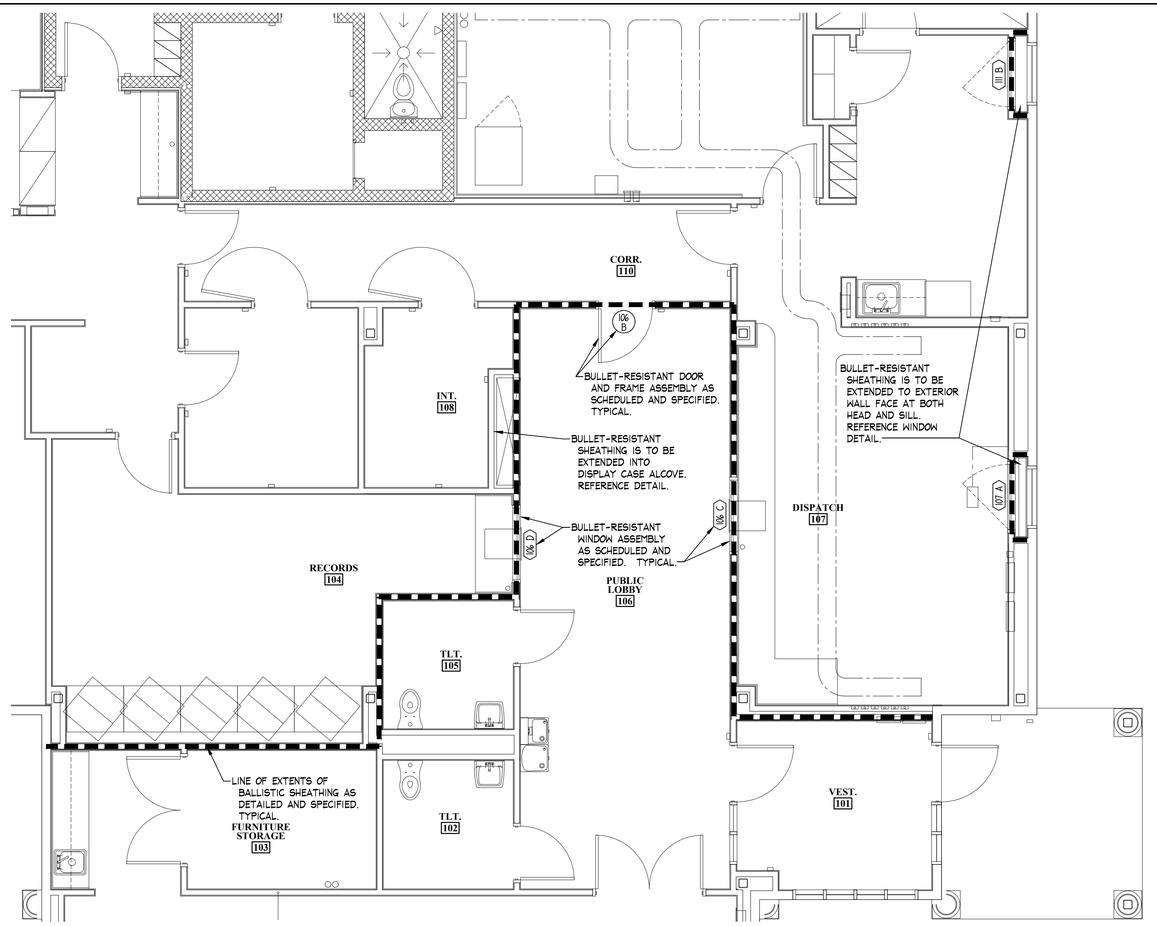


0 1' 2' 4'

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

2 LARGE SCALE FLOOR PLAN AT TLT. #137

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



0 2' 4' 8'

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

1 LARGE SCALE PLAN AT BULLET-RESISTANT (BALLISTIC PROTECTION) PARTITIONS

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

SYMBOLS LEGEND

CORR. 219	ROOM NAME TAG
A-1	WALL TAG
100 A	DOOR TAG
A-10.1 H	INTERIOR ELEVATION TAG
	ACCESSIBLE FIXTURE TAG
	TOILET ACCESSORY AS IDENTIFIED (REFERENCE SPECIFICATIONS)
	PLUMBING FIXTURE INDICATORS (REFERENCE PLUMBING DRAWINGS)
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FACE OF FINISH	DIMENSIONS TO FACE OF FINISH
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LAV.	HANDICAPPED ACCESSIBLE LAVATORY (SEE PLBG. DWGS.)
M.B.H.	MOP & BROOM HOLDER
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P.C.	ADA COMPLIANT PIPE COVERS (SEE PLBG. DWGS)
P.T.D.W.R.	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
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T.T.D.	TOILET TISSUE DISPENSER
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GENERAL NOTES

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2. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL FIXTURE INFORMATION.
3. REFERENCE FINISH DRAWINGS FOR WALL FINISHES THAT MAY IMPACT ROUGH-IN LOCATIONS FROM DIMENSIONS SHOWN.
4. REFERENCE SPECIFICATIONS FOR ADDITIONAL TOILET ACCESSORY INFORMATION.

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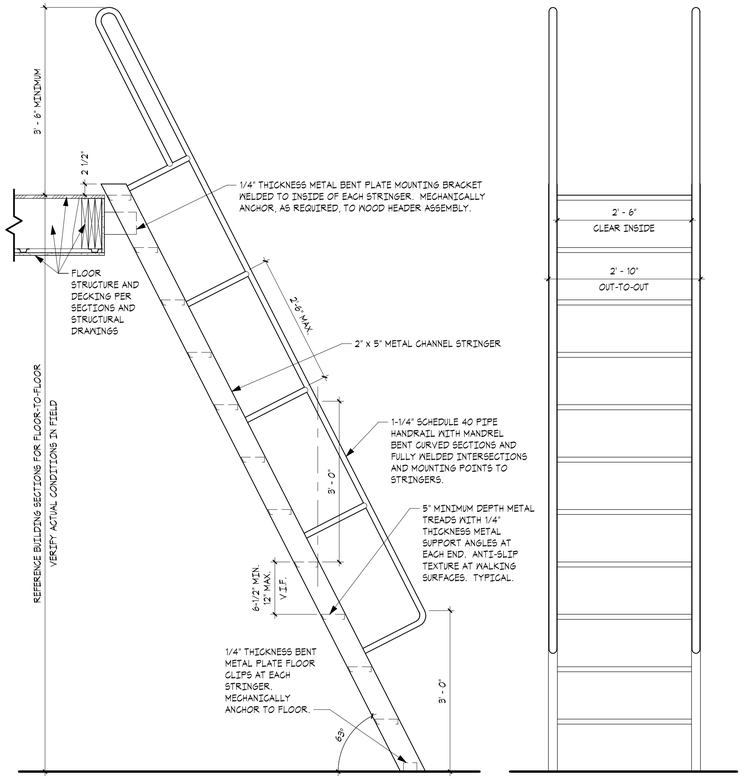
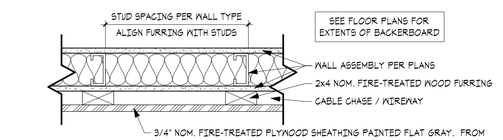
FAX 860-828-9223

LARGE SCALE FLOOR PLANS

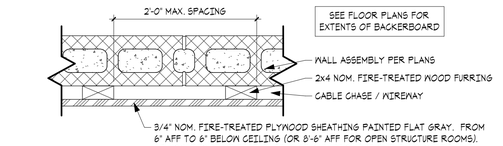
PROJ. NO. JH1880	DRAWING NO. A-5.3
SCALE As Noted	
DATE OCTOBER 2, 2019	



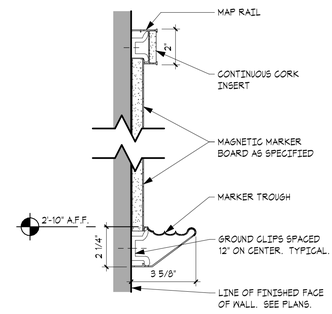
17 DETAIL - SHIPS LADDER
SCALE: 3/4" = 1'-0"



12 DETAIL - ELECTRICAL BACKER BOARD AT STUD WALL (PLAN-VIEW)
SCALE: 1 1/2" = 1'-0"

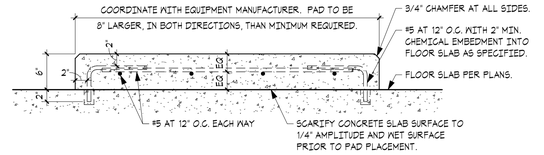


11 DETAIL - ELECTRICAL BACKER BOARD AT CMU/CONC. WALL (PLAN-VIEW)
SCALE: 1 1/2" = 1'-0"

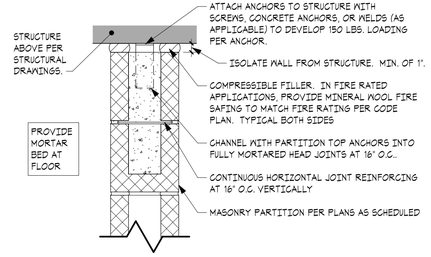


8 DETAIL - MARKER BOARD SECTION
SCALE: 3" = 1'-0"

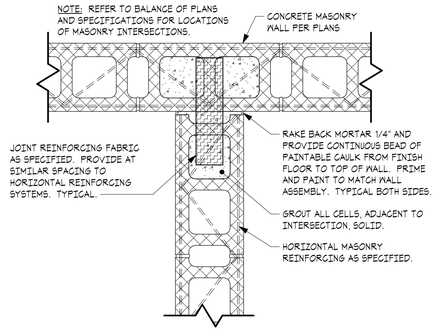
NOTE:
1. CONCRETE USED FOR PAD SHALL BE NORMAL WEIGHT AND HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. REINFORCING STEEL SHALL BE DEFORMED ASTM A-615, GRADE 60.
3. EQUIPMENT ANCHOR BOLT REQUIREMENTS NOT SHOWN. PROVIDE ANCHOR BOLTS AS REQUIRED BY EQUIPMENT MANUFACTURER.



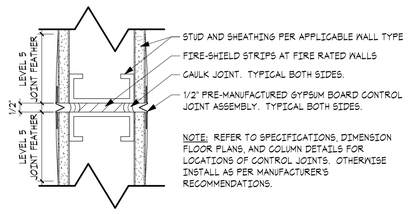
7 DETAIL - HOUSEKEEPING PAD
SCALE: 1" = 1'-0"



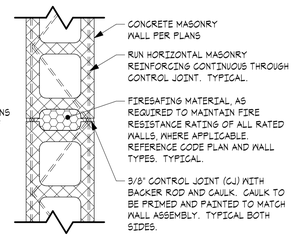
6 DETAIL - INTERIOR MASONRY TOP OF WALL ANCHORAGE
SCALE: 1 1/2" = 1'-0"



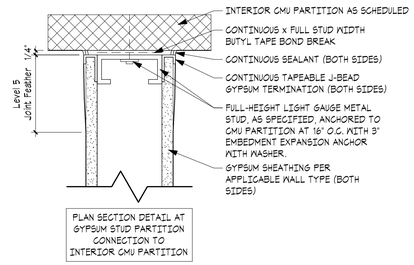
5 DETAIL - INTERIOR MASONRY WALL INTERSECTION
SCALE: 1 1/2" = 1'-0"



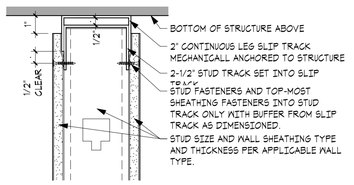
4 DETAIL - TYPICAL GYPSUM BOARD CONTROL JOINT
SCALE: 3" = 1'-0"

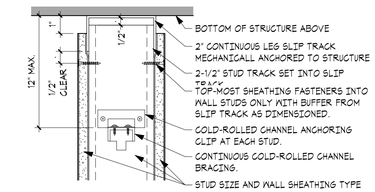


3 DETAIL - INTERIOR MASONRY CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



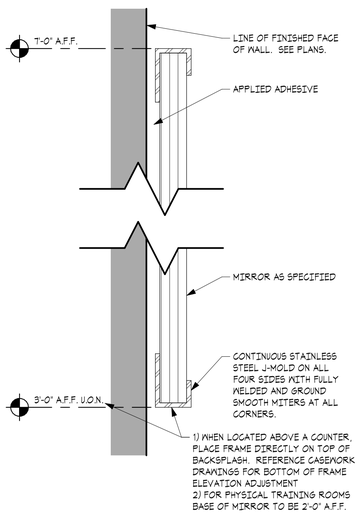
2 DETAIL - TYPICAL GYPSUM STUD PARTITION TO CMU PARTITION
SCALE: 3" = 1'-0"



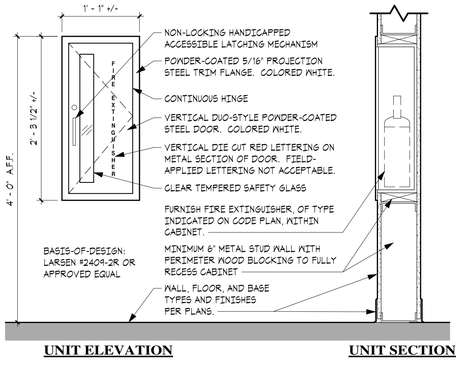


NOTE: ALL EXTERIOR AND FIRE RATED WALL FRAMING SHALL UTILIZE BOTH OPTIONS.

1 DETAIL - TYPICAL TOP OF STUD PARTITION SLIP TRACK
SCALE: 3" = 1'-0"



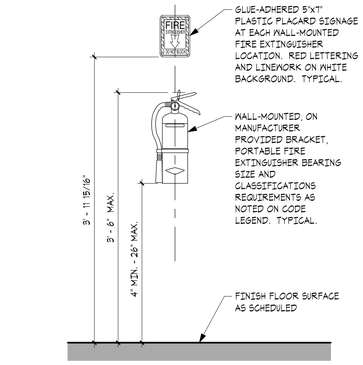
15 DETAIL - FULL WIDTH MIRROR SECTION
SCALE: 6" = 1'-0"



14 FIRE EXTINGUISHER - DETAIL OF RECESSED CABINET (F.E.C.)
SCALE: 1" = 1'-0"

16 DETAIL - TACK BOARD ELEVATION
SCALE: 1/2" = 1'-0"

10 DETAIL - MARKER BOARD ELEVATION
SCALE: 1/2" = 1'-0"



9 FIRE EXTINGUISHER - DETAIL AT BRACKET-MOUNTED (F.E.)
SCALE: 1" = 1'-0"

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MISC. DETAILS

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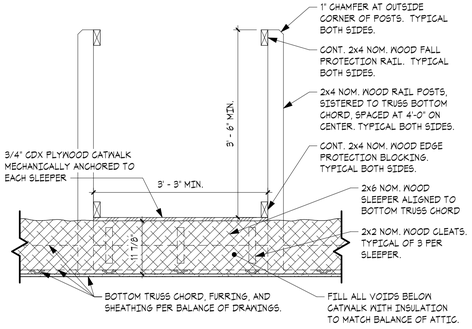
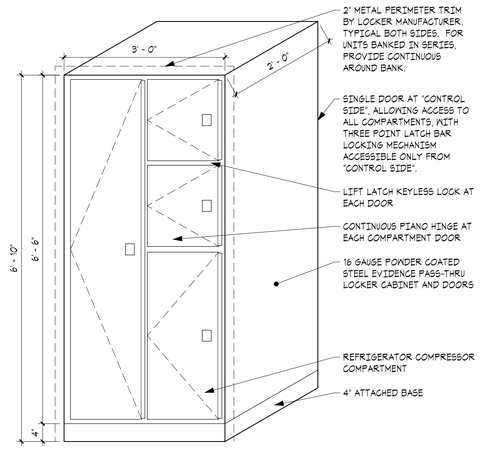
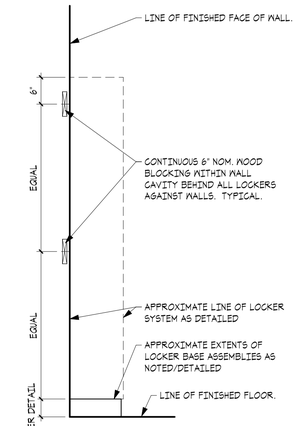


12 DETAIL - ATTIC CATWALK
SCALE: 3/4" = 1'-0"

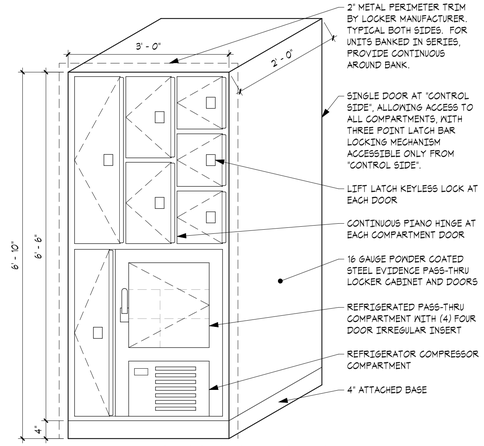


VIEWED FROM "CUSTOMER SIDE"

9 LOCKERS - EVIDENCE STORAGE (NON-REFRIGERATED)
SCALE: 3/4" = 1'-0"

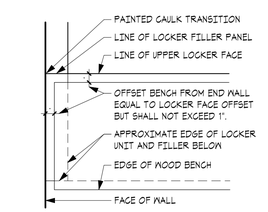


5 DETAIL - LOCKER BLOCKING AT STUD WALLS
SCALE: 3/4" = 1'-0"

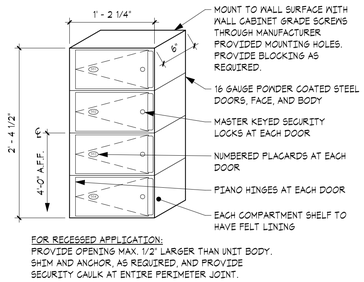


VIEWED FROM "CUSTOMER SIDE"

8 LOCKERS - EVIDENCE STORAGE (REFRIGERATED)
SCALE: 3/4" = 1'-0"



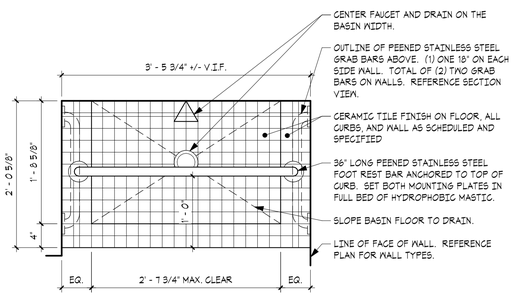
3 LOCKERS - WARDROBE BANK END PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



FOR RECESSED APPLICATION:
PROVIDE OPENINGS MAX. 1/2" LARGER THAN UNIT BODY. SHIM AND ANCHOR, AS REQUIRED, AND PROVIDE SECURITY CAULK AT ENTIRE PERIMETER JOINT.

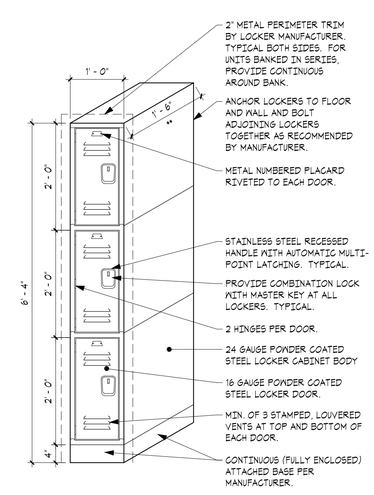
2 LOCKERS - PISTOL
SCALE: 1" = 1'-0"

11 DETAIL - BOOT WASH SECTION
SCALE: 1" = 1'-0"



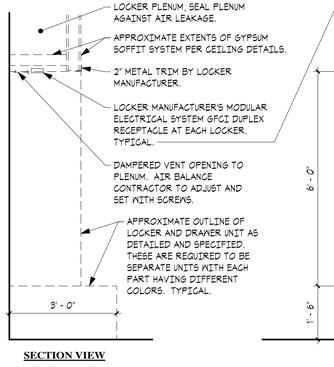
10 DETAIL - BOOT WASH PLAN
SCALE: 1" = 1'-0"

NOTE: SINGLE 3-TIER LOCKER UNIT SHOWN. REFER TO PLANS FOR BANK QUANTITIES AND LOCATIONS. TYPICAL.

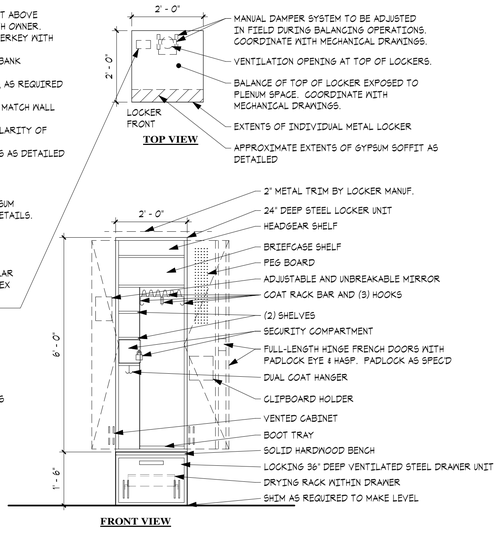


7 LOCKERS - PERSONAL PROPERTY (DISPATCH)
SCALE: 3/4" = 1'-0"

TYPICAL NOTES:
1. PROVIDE NUMBERED PLACARDS ON EACH LOCKER JUST ABOVE COMBINATION LOCK. COORDINATE SEQUENCING WITH OWNER.
2. PROVIDE BUILT-IN COMBINATION LOCKS WITH MASTERKEY WITH QUANTITY AND TYPE AS SPECIFIED.
3. SINGLE LOCKER UNIT SHOWN. REFER TO PLANS FOR BANK QUANTITIES AND LOCATIONS.
4. LOCKER CONTRACTOR IS TO SUPPLY CLOSURE PANLS, AS REQUIRED PER PLANS, TO MATCH LOCKER FINISHES.
5. ALL EDGES TO BE CAULKED TO WALL WITH COLOR TO MATCH WALL FINISH.
6. CLOSURE PANELS AND CAULK BEAD NOT SHOWN FOR CLARITY OF LOCKER.
7. PROVIDE BLOCKING AT ALL ASSOCIATED STUD WALLS AS DETAILED



SECTION VIEW



TOP VIEW

FRONT VIEW

1 LOCKERS - WARDROBE (24" WIDTH)
SCALE: 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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NEW FACILITY FOR THE
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3 CENTER STREET

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JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MISC. DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-6.2
SCALE: As indicated	
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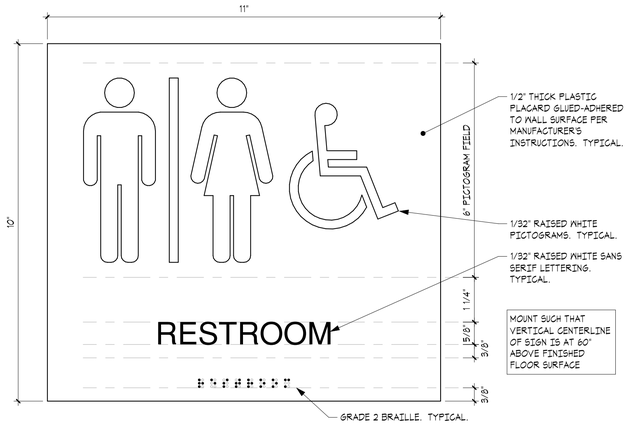
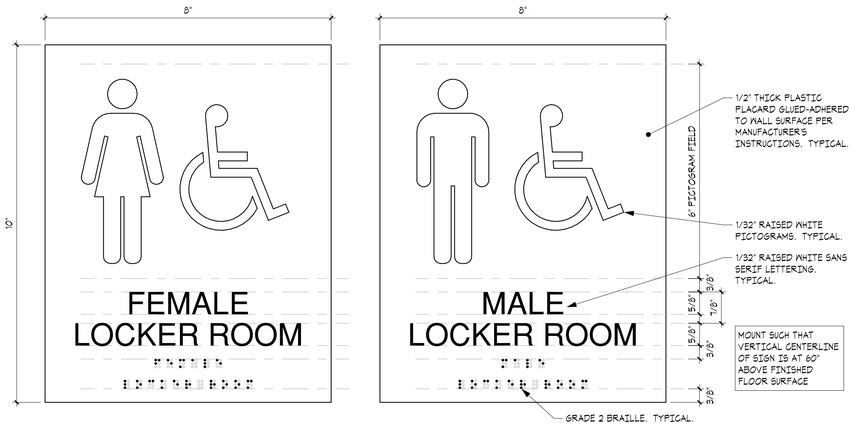


ROOM SIGNAGE "RS-Ua"

12 SIGNAGE - RESTROOMS
SCALE: 6" = 1'-0"



ROOM SIGNAGE "RS-WL" **ROOM SIGNAGE "RS-ML"**

5 SIGNAGE - LOCKER ROOMS
SCALE: 6" = 1'-0"

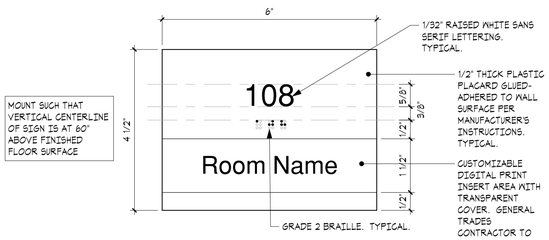
THIS SECTION OF TEXT TO BE VARIED BASED ON THE WALL TO WHICH THE STENCIL IS APPLIED. VARIATIONS SHALL INCLUDE "1-HOUR RATED", "2-HOUR RATED", AND "SMOKE TIGHT". REFERENCE CODE PLAN FOR LOCATIONS OF VARIATIONS.

1-HOUR RATED FIRE BARRIER
PROTECT ALL OPENINGS AND PENETRATIONS

GENERAL TRADES CONTRACTOR TO FURNISH STENCIL, AS REQUIRED, WITH APPROPRIATE RATING NOMENCLATURE, AS NOTED, AND SPRAY PAINT STENCIL ON WALL SURFACE WITH RED PAINT ABOVE SUSPENDED CEILINGS.

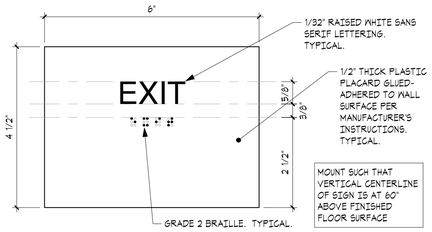
NOTE: LOCATE STENCIL WITHIN 15 FEET OF END OF EACH FIRE OR SMOKE RATED WALL AND EVERY 30 FEET ON-CENTER. APPLY STENCIL TO BOTH SIDES OF SUCH WALLS. SEE CODE PLAN FOR LOCATIONS OF FIRE RATED AND SMOKE TIGHT WALLS. ALL LETTERING TO BE 2" MINIMUM HEIGHT, STENCIL TYPEFACE.

4 SIGNAGE - RATED WALLS
SCALE: 1" = 1'-0"



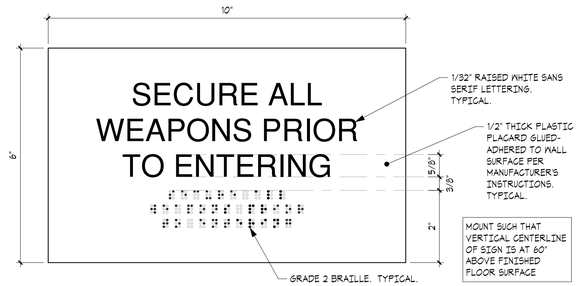
ROOM SIGNAGE "RS-S"

6 SIGNAGE - ROOMS
SCALE: 6" = 1'-0"



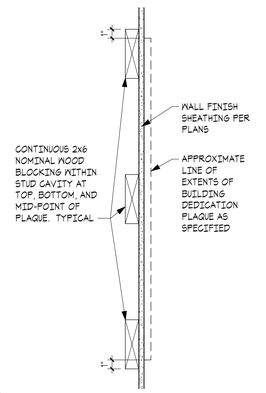
ROOM SIGNAGE "RS-E"

3 SIGNAGE - EXIT DOORS
SCALE: 6" = 1'-0"



ROOM SIGNAGE "RS-DA"

2 SIGNAGE - DETENTION AREA
SCALE: 6" = 1'-0"



1 DETAIL - BUILDING DEDICATION PLAQUE
SCALE: 1 1/2" = 1'-0"

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SIGNAGE DETAILS

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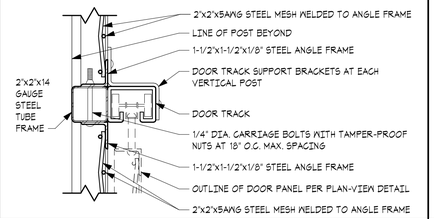
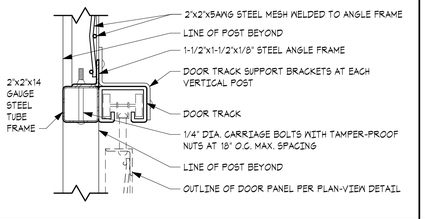
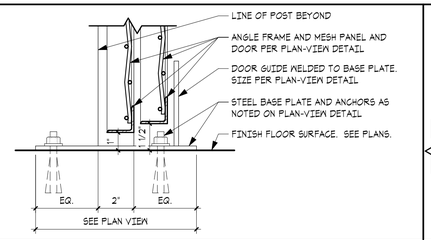


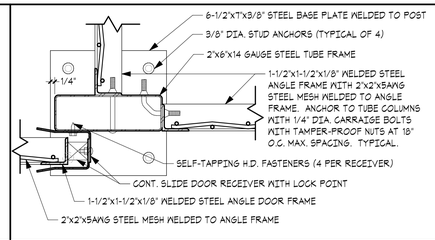
T HORIZONTAL TUBE AND SLIDING DOOR EXTENDED TRACK - SECTION DETAIL



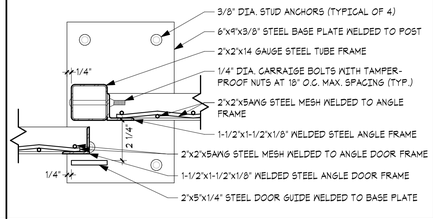
P HORIZONTAL TUBE AND SLIDING DOOR HEAD - SECTION DETAIL



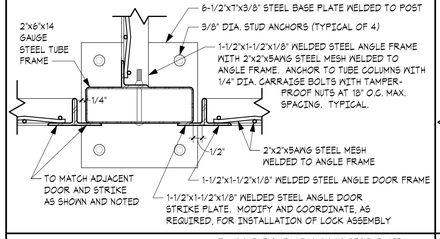
L SLIDING DOOR GUIDE BASE PLATE SECTION DETAIL



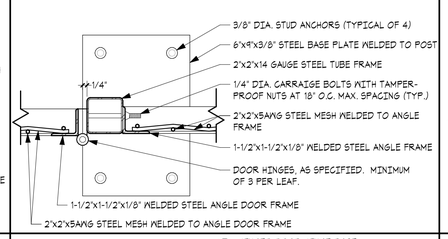
H SLIDING DOOR STRIKE WITH ABUTTING PARTITION - PLAN-VIEW DETAIL



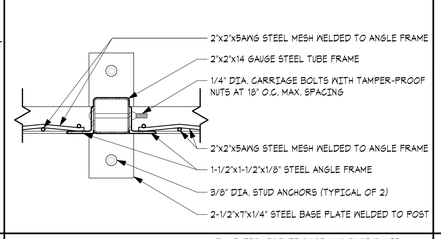
D SLIDING DOOR GUIDE BASE PLATE PLAN-VIEW DETAIL



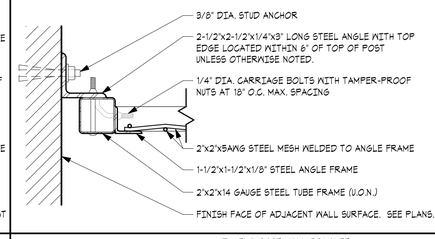
S DOUBLE SWINGING DOOR STRIKE WITH ABUTTING PARTITION - PLAN-VIEW DETAIL



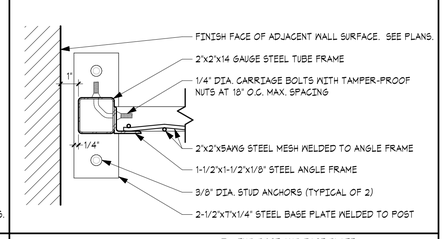
O HINGED DOOR HINGE POST PLAN-VIEW DETAIL



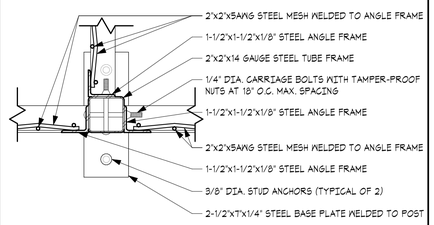
K INTERMEDIATE POST AND BASE PLATE PLAN-VIEW DETAIL



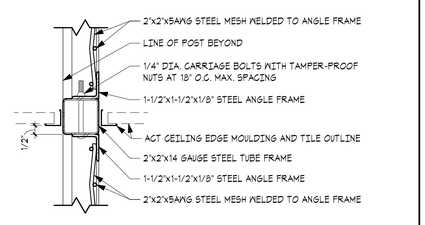
G END POST WALL BRACKET PLAN-VIEW DETAIL



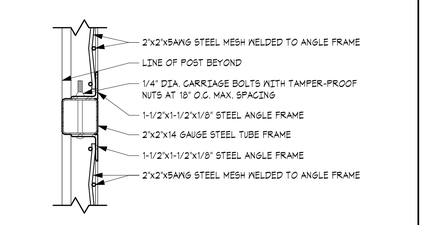
C END POST AND BASE PLATE PLAN-VIEW DETAIL



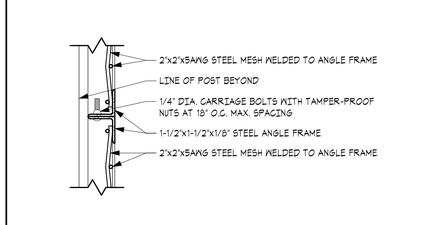
R 3-WAY PARTITION POST AND BASE PLATE PLAN-VIEW DETAIL



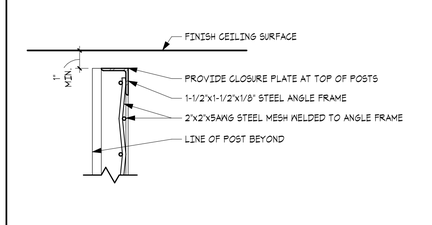
N HORIZONTAL TUBE FRAME DETAIL AT ACOUSTICAL CEILING GRID



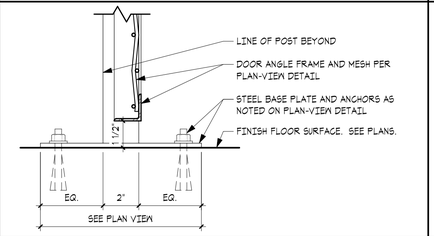
J HORIZONTAL TUBE & PANEL JOINT SECTION DETAIL



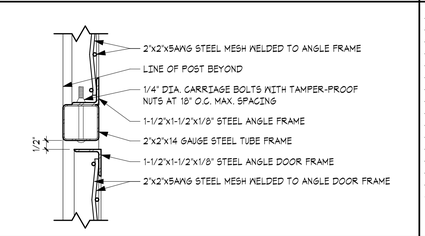
F HORIZONTAL PANEL JOINT SECTION DETAIL



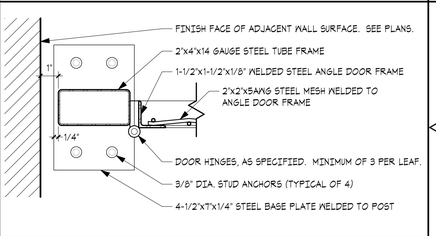
B HORIZONTAL PANEL TOP EDGE SECTION DETAIL



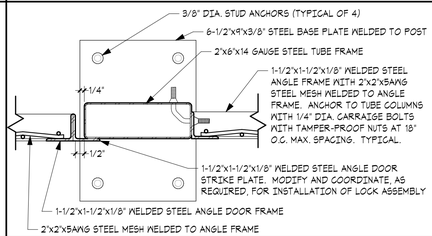
Q HINGED DOOR SILL SECTION DETAIL



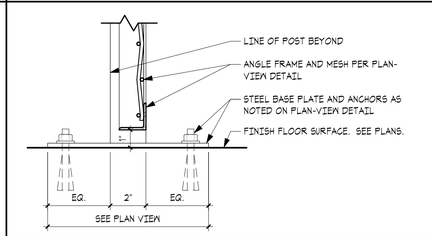
M HINGED DOOR HEAD SECTION DETAIL



I HINGED DOOR HINGE POST PLAN-VIEW DETAIL



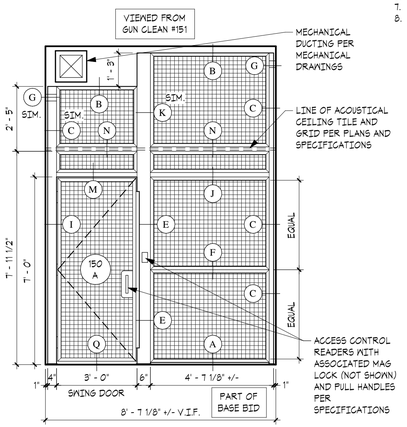
E HINGED DOOR STRIKE POST PLAN-VIEW DETAIL



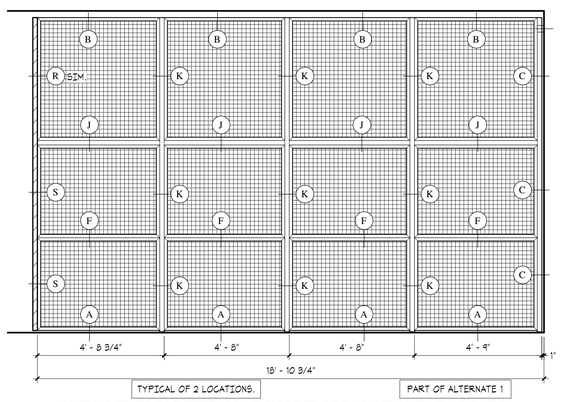
A TYPICAL BASE PLATE DETAIL

WIRE MESH PARTITION GENERAL NOTES:

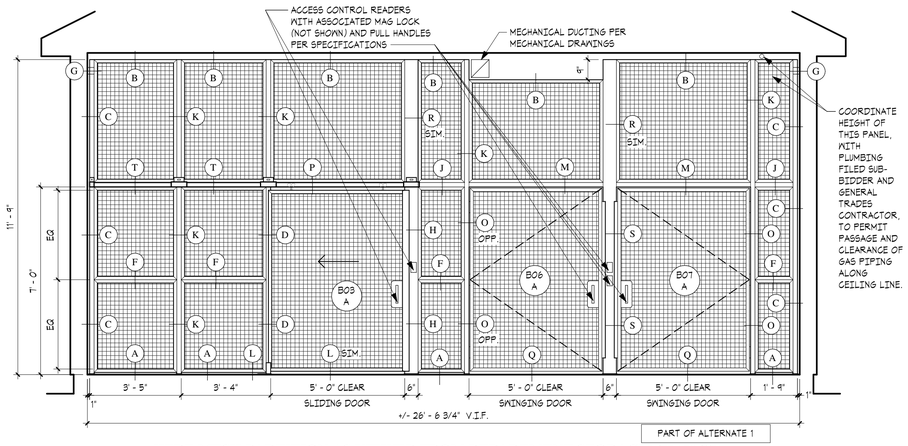
1. ALL WIRE MESH DETAILS SHALL BE CONSIDERED SIMILAR TO TAGGED LOCATIONS. VERIFY ORIENTATIONS AND REQUIREMENTS WITH ELEVATIONS, SPECIFICATIONS AND FIELD CONDITIONS PRIOR TO FABRICATION. REPORT ANY DISCREPANCIES TO THE ARCHITECTS PRIOR TO COMMENCEMENT OF WORK.
2. ALL WIRE MESH PARTITIONS SHALL HAVE A FINISH COATING AS SPECIFIED.
3. WIRE MESH PARTITION INSTALLATION CONTRACTOR IS RESPONSIBLE TO COORDINATE ANCHORAGE REQUIREMENTS WITH AVAILABLE SUBSTRATE MATERIALS TO ENSURE SPECIFIED LOADING CHARACTERISTICS ARE ACCOMMODATED.
4. REFERENCE DOOR HARDWARE SPECIFICATIONS FOR LOCK FUNCTIONS AND REQUIREMENTS.
5. REFERENCE WIRE MESH PARTITION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
6. REFERENCE FLOOR PLAN FOR LOCATIONS AND ORIENTATIONS.
7. FOR WIRE MESH INSTALLATIONS ADJACENT STUD WALLS, PROVIDE SOLID AND CONTINUOUS BLOCKING AT ALL ATTACHMENT POINTS.
8. SHIM ALL BASE PLATES, AS REQUIRED, IN AREAS OF SLOPED FLOOR SURFACE. FILL ALL RESULTING VOIDS WITH NON-SHRINK GROUT.



WIRE MESH PARTITION AT ARMORY #150



WIRE MESH PARTITION AT FOUND PROPERTY STORAGE #B06



WIRE MESH PARTITION AS VIEWED FROM DEPARTMENT STORAGE BAY #B04

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15 MASSIRIO DRIVE
SUITE 101
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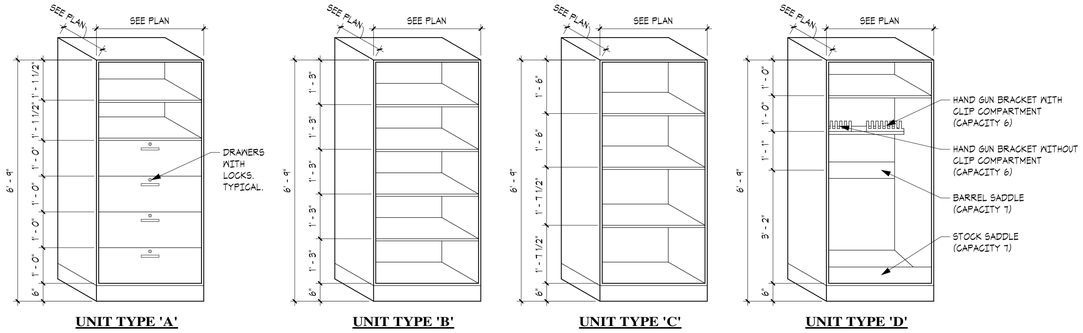
TEL 860-828-9221
FAX 860-828-9223

WIRE MESH PARTITION DETAILS

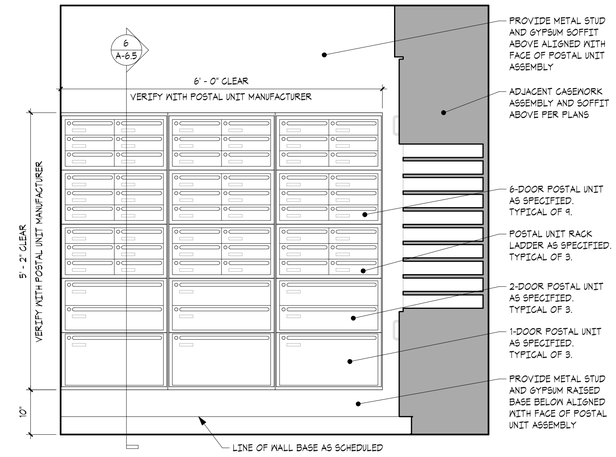
PROJ. NO. JH1830	DRAWING NO. A-6.4
SCALE As indicated	
DATE OCTOBER 2, 2019	



NOTE: GENERAL TRADES CONTRACTOR TO PROVIDE SLAB RECESSES IN CONCRETE TO ACCOMMODATE RECESSED RAILS. REFERENCE DETAIL.

NOTE: FOR REFERENCE ONLY. HIGH DENSITY STORAGE CABINETS TO BE PROVIDED BY OWNER.

5 STORAGE - HIGH-DENSITY STORAGE COMPARTMENT TYPES
SCALE: 1/2" = 1'-0"



3 DETAIL - POSTAL BOXES ELEVATION
SCALE: 3/4" = 1'-0"

NOTE: REFERENCE BUILDING SECTION 2/A-4.2 FOR ELEVATION OF CHANNEL ASSEMBLY. COORDINATE EXTACT LOCATION IN FIELD WITH OWNER AND OWNER'S RADIO VENDOR.

[GENERAL TRADES CONTRACTOR] 3/8"X3-1/2" GALVANIZED ANCHORS WITH GALVANIZED WASHER SET WITH HYDROPHOBIC SEALANT. TYPICAL OF 4 PER VERTICAL CHANNEL.

[GENERAL TRADES CONTRACTOR] GALVANIZED CHANNEL NUT, WASHER, RETAINER SPRING, AND BOLT. TYPICAL EACH VERTICAL/HORIZONTAL CHANNEL INTERSECTION.

[RADIO VENDOR] GALVANIZED ANTENNA PIPE, CLAMPS, AND HARDWARE. TYPICAL.

[GENERAL TRADES CONTRACTOR] 1-5/8"X1-5/8"X12 GAGE GALVANIZED SOLID CHANNEL (UNISTRUT OR EQUAL) INSTALLED HORIZONTALLY. TYPICAL FOR TWO (2) CONTINUOUS CHANNELS, OF 25'-0" LENGTH, AT TOP AND BOTTOM OF VERTICAL CHANNELS.

[ROOFING FILED SUB-BIDDER] VERTICAL ROOFING MEMBRANE AS SPECIFIED

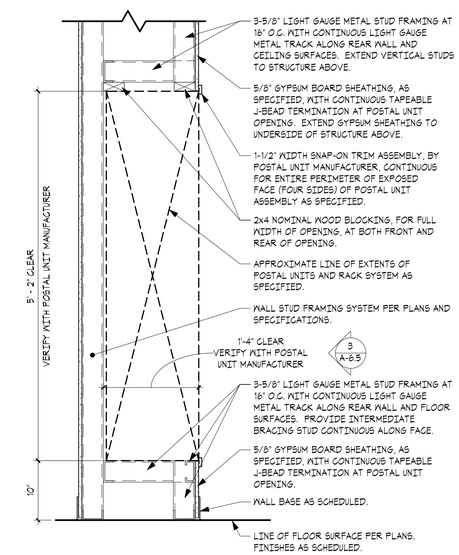
[GENERAL TRADES CONTRACTOR] VERTICAL SHEATHING AS DETAILED AND SPECIFIED

[GENERAL TRADES CONTRACTOR] 1-5/8"X1-5/8"X12 GAGE GALVANIZED SOLID CHANNEL (UNISTRUT OR EQUAL) INSTALLED VERTICALLY AND MECHANICALLY ANCHORED TO BUILDING STRUCTURE. LENGTH TO BE FROM 12" ABOVE ROOF SURFACE TO UNDERSIDE OF ROOF COFING. TYPICAL OF 7 LOCATIONS WITH 48" MAXIMUM SPACING.

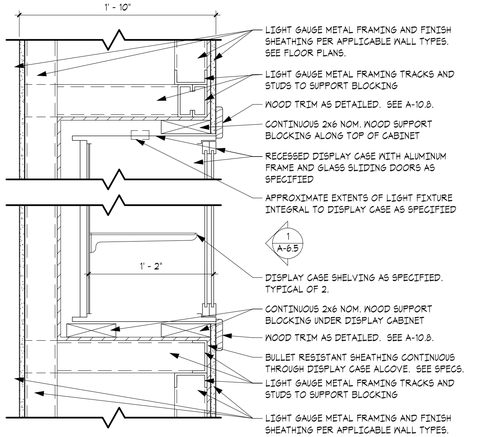
[ROOFING FILED SUB-BIDDER] CONTINUOUS FULLY ADHERED 4" WIDTH ROOFING MEMBRANE FLASHING BEHIND VERTICAL CHANNELS

[GENERAL TRADES CONTRACTOR] STRUCTURAL ROOF FRAMING AS DETAILED AND SPECIFIED

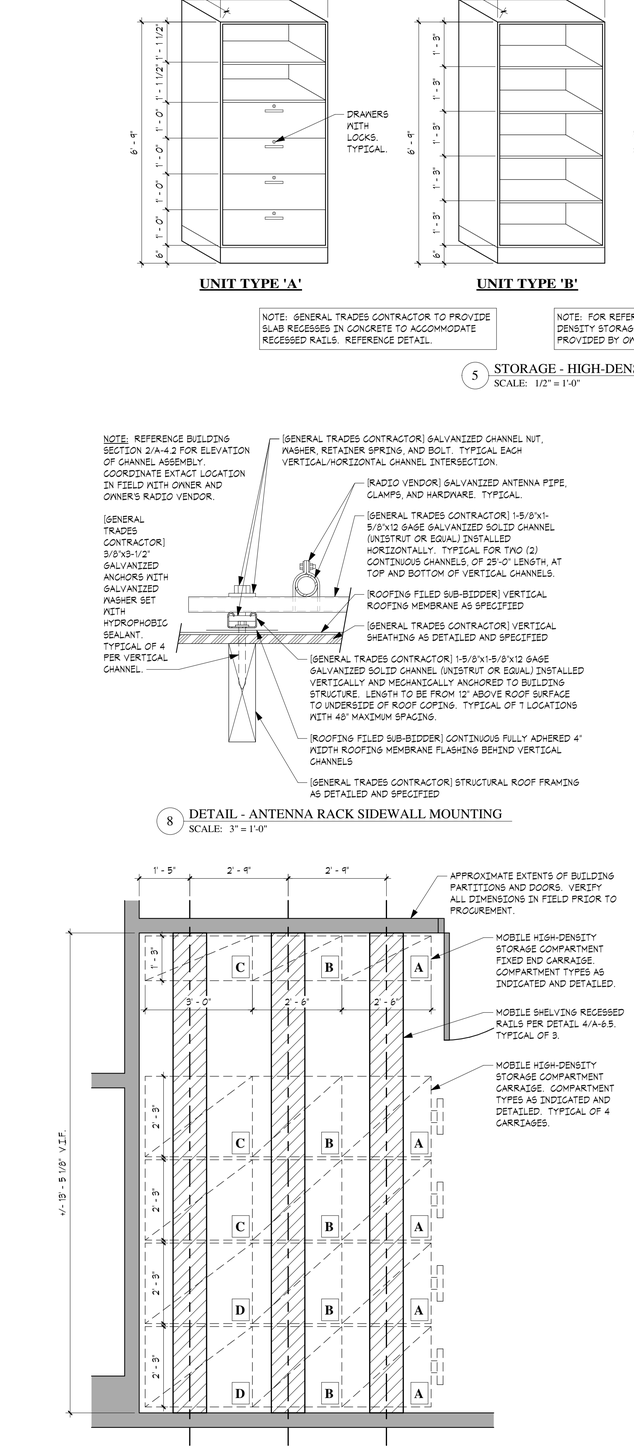
8 DETAIL - ANTENNA RACK SIDEWALL MOUNTING
SCALE: 3" = 1'-0"



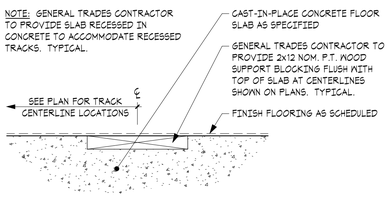
6 DETAIL - POSTAL BOXES SECTION
SCALE: 1" = 1'-0"



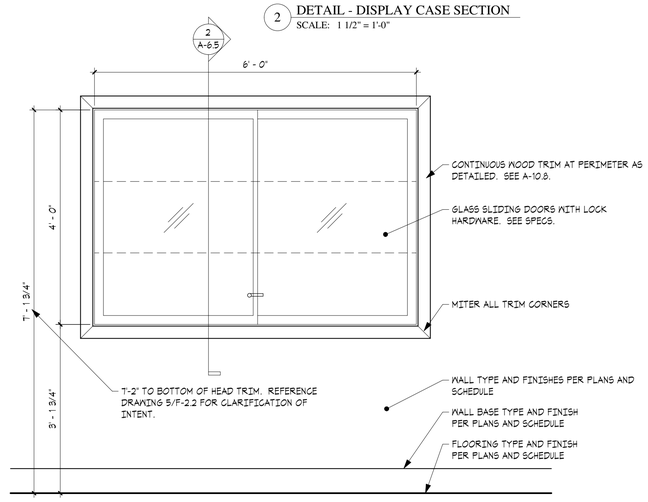
2 DETAIL - DISPLAY CASE SECTION
SCALE: 1 1/2" = 1'-0"



7 STORAGE - ENLARGED PLAN AT HIGH-DENSITY MOBILE SHELVING
SCALE: 1/2" = 1'-0"



4 STORAGE - MOBILE SHELVING RECESSED RAIL
SCALE: 1 1/2" = 1'-0"



1 DETAIL - DISPLAY CASE ELEVATION
SCALE: 3/4" = 1'-0"

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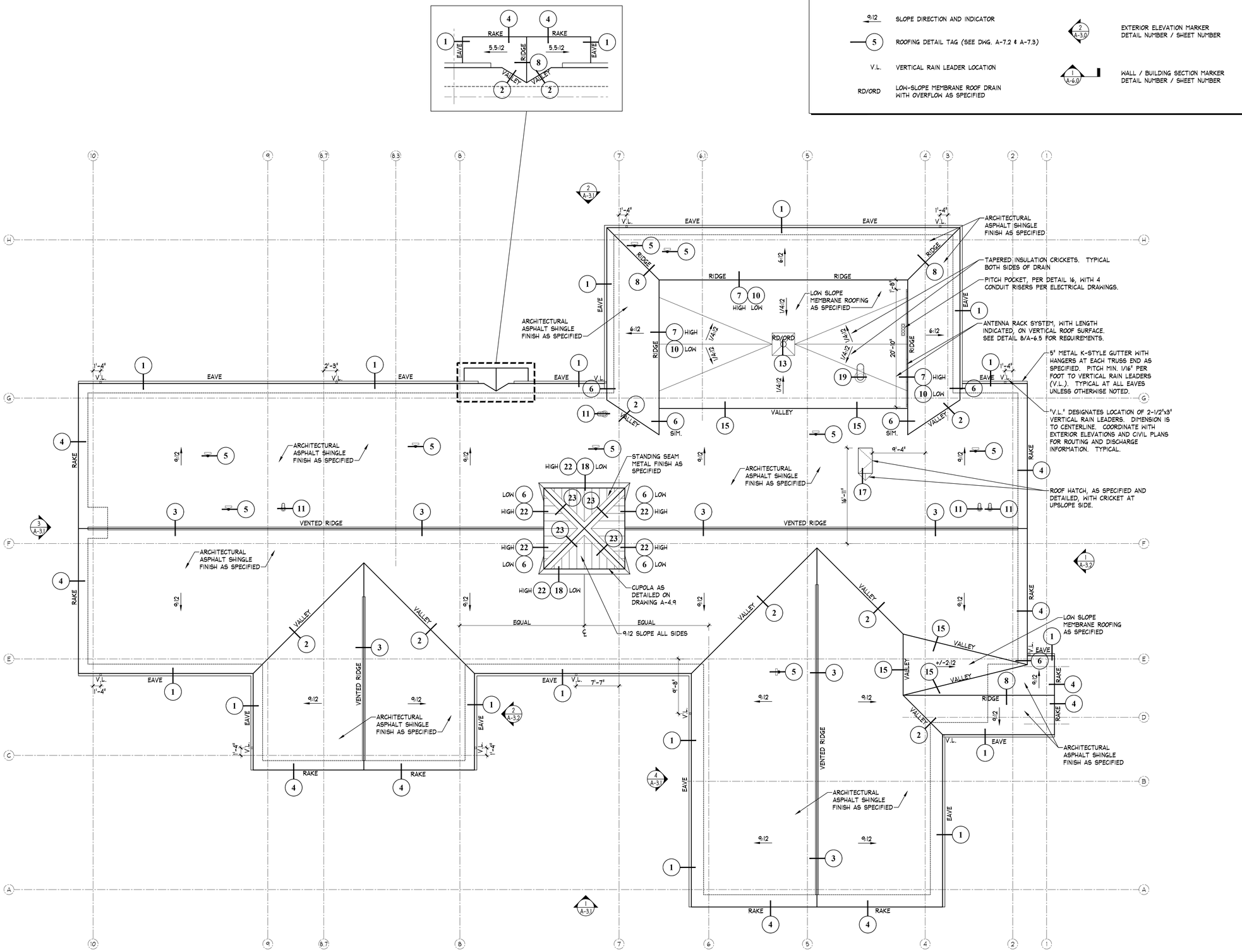
ROOF PLAN LEGEND

9:12	SLOPE DIRECTION AND INDICATOR
5	ROOFING DETAIL TAG (SEE DWG. A-7.2 & A-7.3)
V.L.	VERTICAL RAIN LEADER LOCATION
RD/ORD	LOW-SLOPE MEMBRANE ROOF DRAIN WITH OVERFLOW AS SPECIFIED
2 / A-3.0	EXTERIOR ELEVATION MARKER DETAIL NUMBER / SHEET NUMBER
1 / A-6.0	WALL / BUILDING SECTION MARKER DETAIL NUMBER / SHEET NUMBER



1 MAIN BUILDING ROOF PLAN

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

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE

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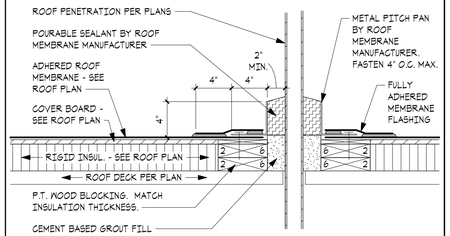
JACUNSKI HUMES ARCHITECTS, LLC

15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

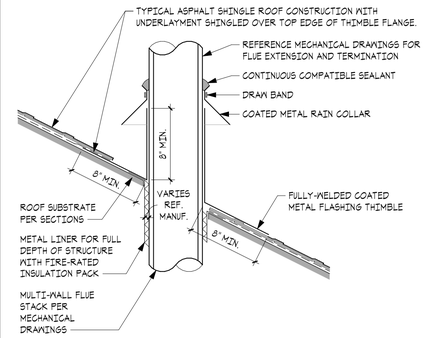
MAIN BUILDING ROOF PLAN

PROJ. NO. JH1830	DRAWING NO. A-7.1
SCALE As Noted	
DATE OCTOBER 2, 2019	



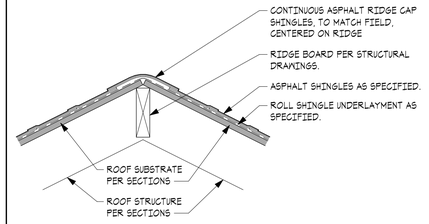
PITCH POCKET DETAIL | **16**

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



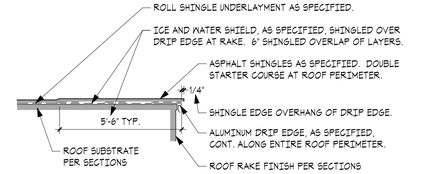
FLUE RISER DETAIL AT STEEP-SLOPE SHINGLE | **12**

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



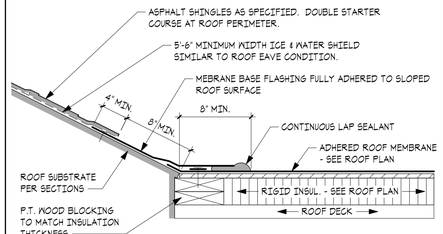
ROOF HIP / NON-VENTED RIDGE DETAIL | **8**

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



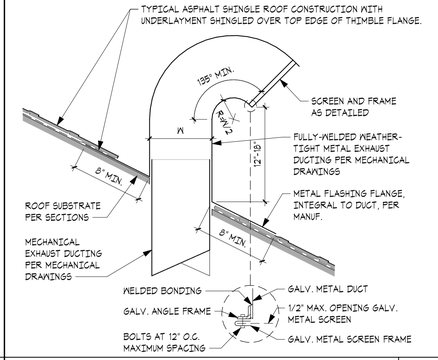
TYPICAL ROOF RAKE DETAIL | **4**

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



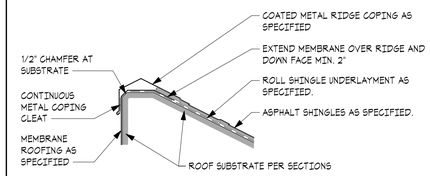
FLAT TO SLOPE TRANSITION DETAIL | **15**

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



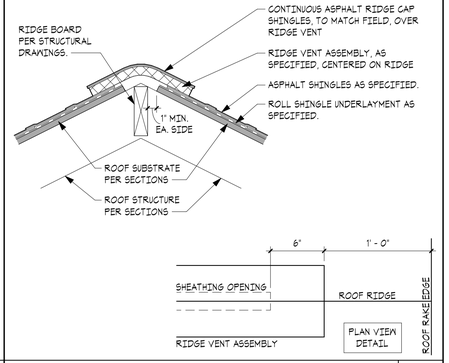
DUCT RISER DETAIL AT STEEP-SLOPE SHINGLE | **11**

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



MANSARD ROOF RIDGE DETAIL | **7**

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



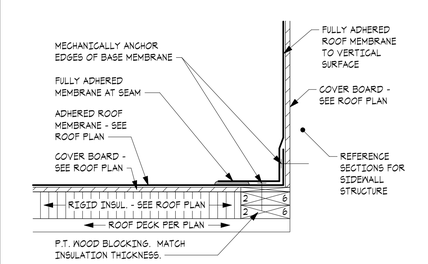
ROOF VENTED RIDGE (WITH RIDGE BOARD) DETAIL | **3**

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

1. A LIGHTNING PROTECTION SYSTEM IS NOT SHOWN ON THE ROOF PLAN OR WITHIN ITS DETAILS BUT IT IS A REQUIREMENT OF THE PROJECT AND IS SPECIFIED WITHIN DIVISION 26.
2. ROOFING FILED SUB-BIDDER AND GENERAL TRADES CONTRACTOR ARE REQUIRED TO COORDINATE WITH THE LIGHTNING PROTECTION REQUIREMENTS SPECIFIED WITHIN DIVISION 26.
3. ROOFING FILED SUB-BIDDER SHALL PROVIDE ALL NECESSARY FLASHINGS AND SEALANTS TO MAKE ALL LIGHTNING PROTECTION ROOF SYSTEM PENETRATIONS WEATHER TIGHT AND IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S REQUIREMENTS TO FOR ISSUANCE OF THE ROOFING SYSTEM WARRANTY AS SPECIFIED.
4. GENERAL TRADES CONTRACTOR IS REQUIRED TO COORDINATE INTERNAL ROUTING OF LIGHTING PROTECTION COMPONENTS WITH BALANCE OF TRADES TO ENSURE CLEAR PATHS AND NO CONFLICTS.
5. GENERAL TRADES CONTRACTOR IS REQUIRED TO COORDINATE EXTERNAL SUB-SURFACE ROUTING OF LIGHTING PROTECTION COMPONENTS WITH SITE WORK CONTRACTOR AND BALANCE OF TRADES TO ENSURE CLEAR PATHS AND NO CONFLICTS.
6. GENERAL TRADES CONTRACTOR IS REQUIRED TO BRING ANY CONFLICTS OR ISSUES WITH THE LIGHTNING PROTECTION COMPONENTS TO THE ATTENTION OF THE ARCHITECT PRIOR TO INSTALLATION OF COMPONENTS.

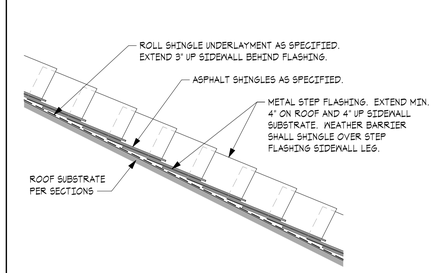
LIGHTNING PROTECTION FLASHING NOTES | **14**

SCALE: NO SCALE



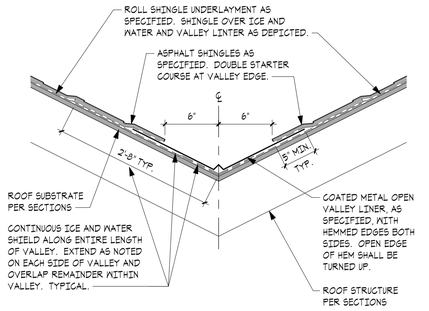
MEMBRANE SIDE WALL DETAIL | **10**

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



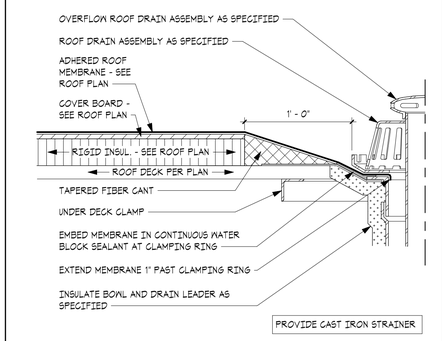
TYPICAL STEP FLASHING DETAIL | **6**

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



TYPICAL ROOF VALLEY DETAIL | **2**

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



ROOF DRAIN, WITH OVERFLOW, DETAIL | **13**

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

MEMBRANE SEAM DETAIL | **9**

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

PLUMBING VENT DETAIL AT STEEP-SLOPE SHINGLE | **5**

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

TYPICAL ROOF EAVE DETAIL | **1**

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

SUBMISSIONS & REVISIONS		
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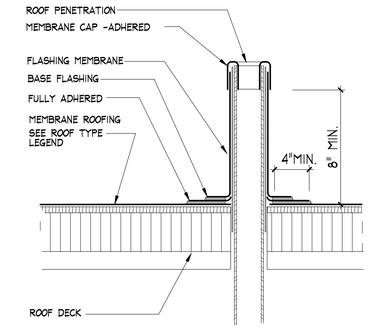
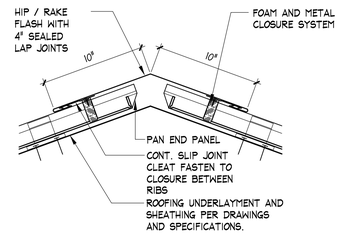
ROOF DETAILS

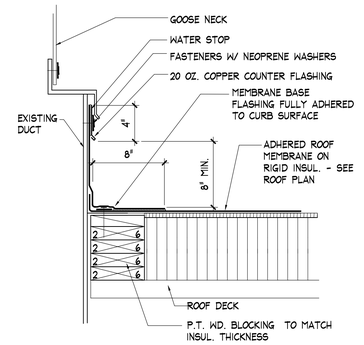
PROJ. NO. JH1830	DRAWING NO. A-7.2
SCALE 1 1/2" = 1'-0"	
DATE OCTOBER 2, 2019	



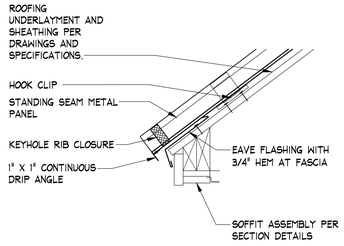
VENT STACK DETAIL — 20
SCALE: 1-1/2" = 1'-0"



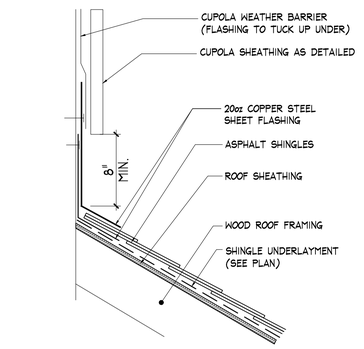
TYPICAL STANDING SEAM ROOF RIDGE DETAIL — 23
SCALE: 1-1/2" = 1'-0"



MEMBRANE GOOSENECK DUCT DETAIL — 19
SCALE: 1-1/2" = 1'-0"



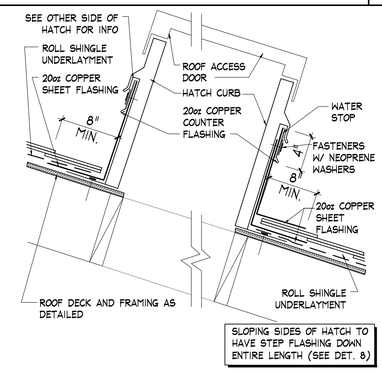
TYPICAL STANDING SEAM ROOF EDGE DETAIL — 22
SCALE: 1-1/2" = 1'-0"



HEADWALL FLASHING AT STEEP-SLOPE SHINGLE — 18
SCALE: 1-1/2" = 1'-0"

1. TOP LAP (SHINGLE) ALL UNDERLAYMENT AND LEAK BARRIER MEMBRANES IN THE DIRECTION OF WATER FLOW. MINIMUM MEMBRANE OVERLAP SHALL BE 6 INCHES.
2. PROVIDE MINIMUM TWO LAYERS OF UNDERLAYMENT THROUGHOUT ROOF FIELD. CONTRACTOR IS PERMITTED TO OVERLAP LAYERS IN SUCH A MANNER AS TO ACHIEVE TWO LAYERS IN A SINGLE APPLICATION.
3. PROVIDE MINIMUM 36-INCH WIDTH, FULLY ADHERED, ICE & WATER SHIELD MEMBRANE, AS SPECIFIED, ALONG ENTIRE LENGTH OF ALL RAKE EDGES.
4. PROVIDE MINIMUM 36-INCH WIDTH, FULLY ADHERED, ICE & WATER SHIELD MEMBRANE, AS SPECIFIED, CENTERED WITHIN AND ALONG ENTIRE LENGTH OF ALL VALLEYS.
5. PROVIDE MINIMUM 36-INCH WIDTH, FULLY ADHERED, ICE & WATER SHIELD MEMBRANE, AS SPECIFIED, ALONG ENTIRE LENGTH OF ALL EAVE EDGES.
6. NON-CORROSIVE METAL DRIP EDGE AT RAKES ARE TO BE PLACED ON TOP OF ROOFING UNDERLAYMENT AND ICE & WATER SHIELDING.
7. NON-CORROSIVE METAL GUTTER APRON AT EAVES ARE TO BE PLACED BELOW ICE & WATER SHIELDING.

TYPICAL STEEP-SLOPE UNDERLAYMENT NOTES — 21
SCALE: NO SCALE



ROOF HATCH AT STEEP-SLOPE SHINGLE — 17
SCALE: 1-1/2" = 1'-0"

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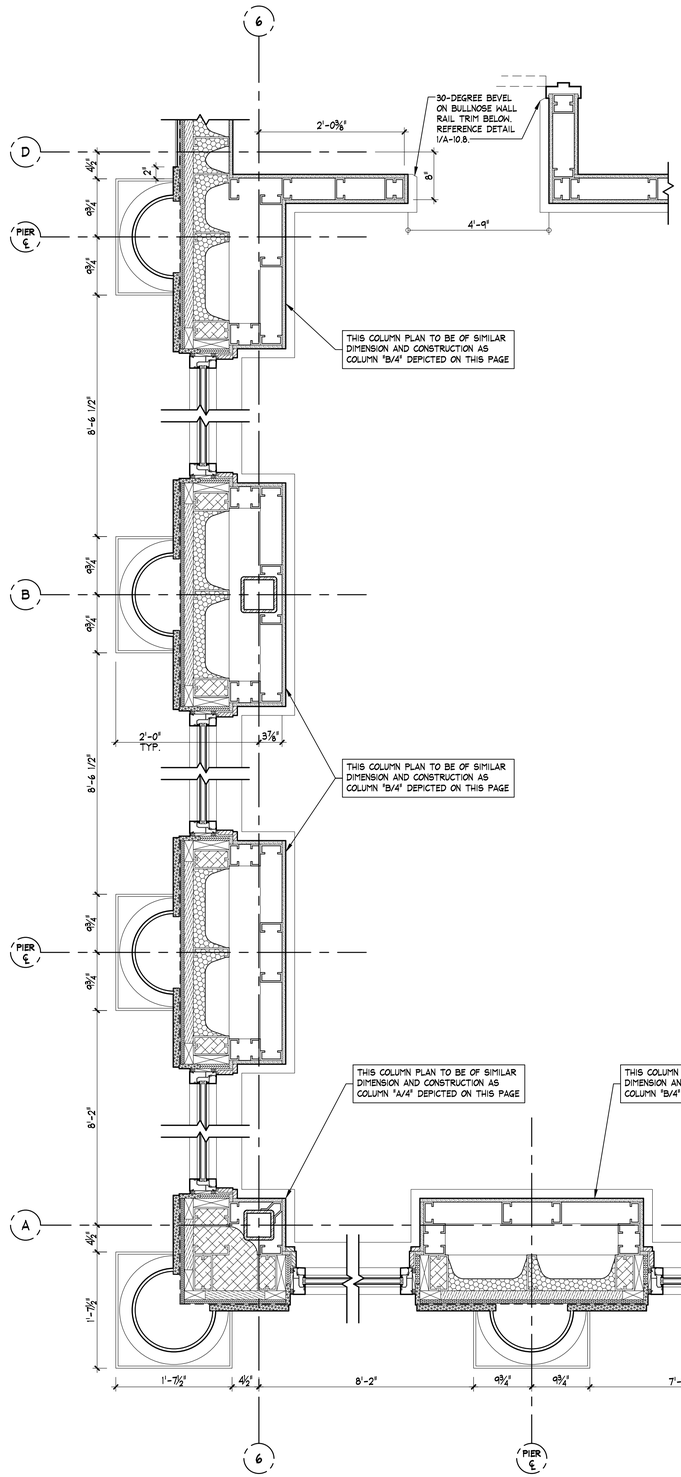
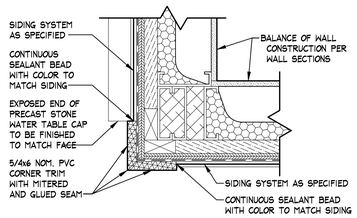
FAX 860-828-9223

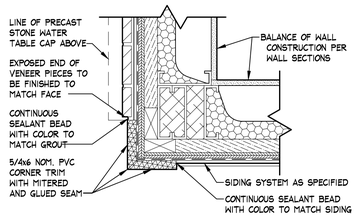
ROOF DETAILS

PROJ. NO.	DRAWING NO.
JH1830	*A-7.3*
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



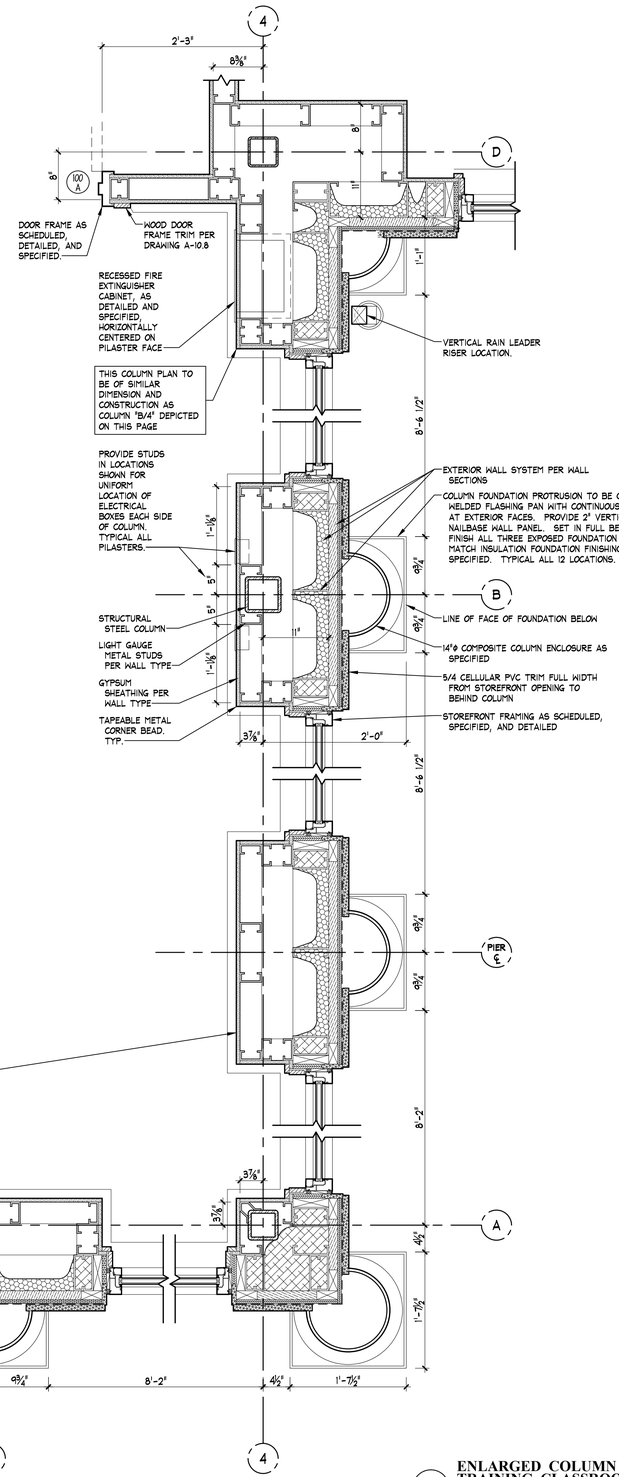


CONDITION AT SIDING



CONDITION AT WATER TABLE

2 ENLARGED CORNER TRIM PLAN AT OUTSIDE CORNERS OF DOOR #152A EXTERIOR ALCOVE
SCALE: 1-1/2" = 1'-0"



1 ENLARGED COLUMN PLANS AT TRAINING CLASSROOM #100
SCALE: 1" = 1'-0"

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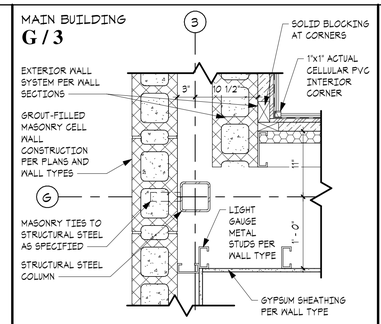
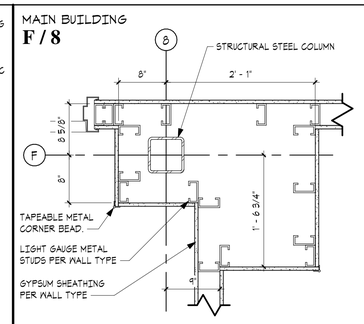
MAIN BUILDING COLUMN PLAN DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-8.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

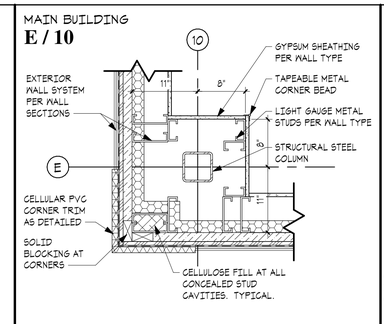
MAIN BUILDING
G / 3



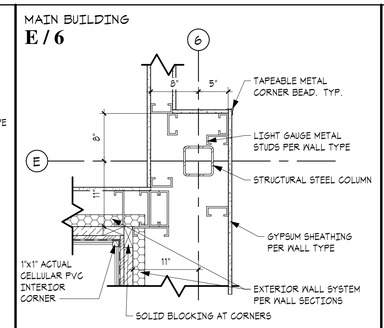
MAIN BUILDING
F / 8



MAIN BUILDING
E / 10



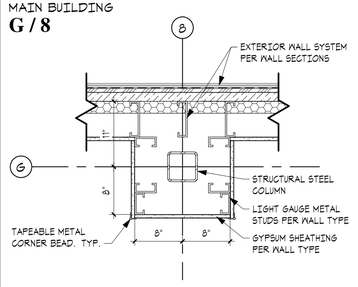
MAIN BUILDING
E / 6



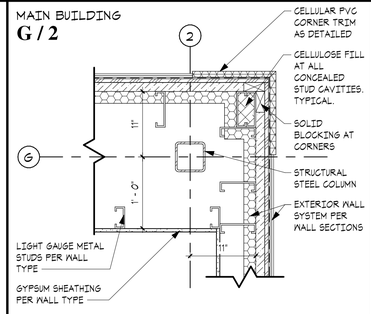
GENERAL NOTES:

1. REFERENCE FLOOR PLANS FOR APPLICABLE WALL TYPE AND COLUMN LOCATIONS.
2. REFERENCE DRAWING A-0.2 FOR WALL TYPE SCHEDULE.
3. REFERENCE CODE PLANS FOR WALL RATING REQUIREMENTS.
4. REFERENCE STRUCTURAL DRAWINGS FOR COLUMN AND BRACING REQUIREMENTS.
5. REFERENCE SPECIFICATIONS FOR ALL COMPONENT REQUIREMENTS.
6. LIGHT GAUGE FRAMING AND MASONRY UNIT LAYOUTS ARE SHOWN DIAGRAMMATICALLY. APPLICABLE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, IN THE FIELD, UNIT ORIENTATIONS TO ENSURE FINAL PRODUCT MEETS THE INTEGT OF THE DRAWINGS AND SPECIFICATIONS.
7. COLUMN DETAILS DO NOT SHOW FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, TELECOMMUNICATION, OR SECURITY COMPONENTS THAT MAY BE REQUIRED. APPLICABLE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF COMPONENTS.
8. MASONRY CONTROL JOINTS NOT SHOWN IN ALL REQUIRED INSTANCES FOR CLARITY OF BALANCE OF COMPONENTS. PROVIDE MASONRY CONTROL JOINTS AT ALL COLUMN LINES. REFERENCE SPECIFICATIONS.

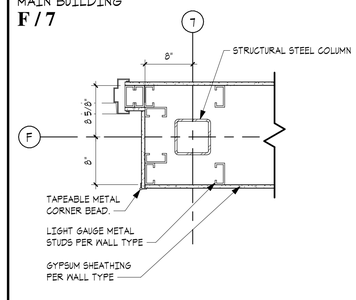
MAIN BUILDING
G / 8



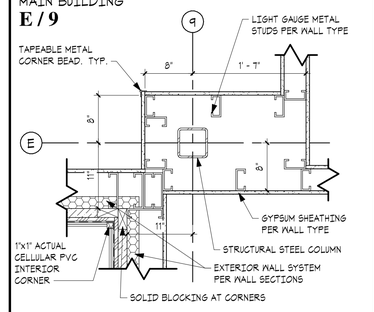
MAIN BUILDING
G / 2



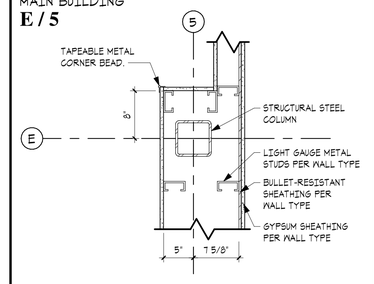
MAIN BUILDING
F / 7



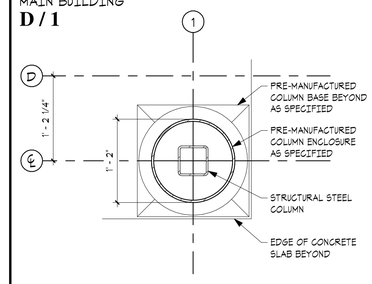
MAIN BUILDING
E / 9



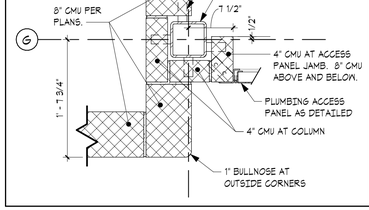
MAIN BUILDING
E / 5



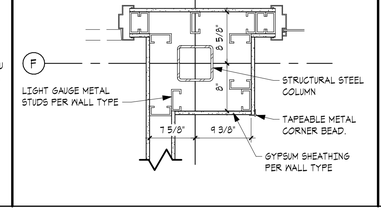
MAIN BUILDING
D / 1



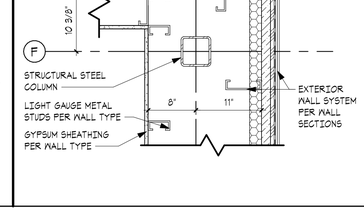
MAIN BUILDING
G / 7



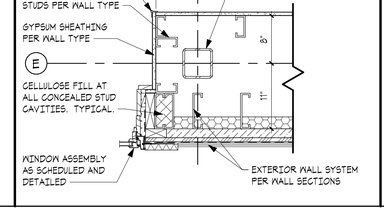
MAIN BUILDING
F / 10



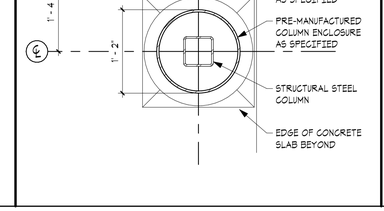
MAIN BUILDING
F / 5



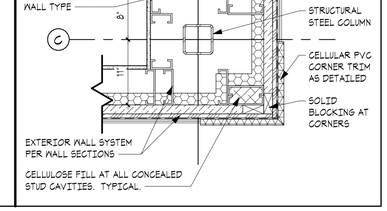
MAIN BUILDING
E / 8.7



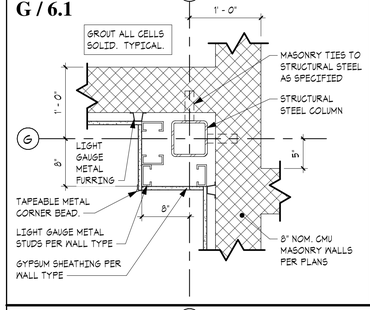
MAIN BUILDING
E / 4



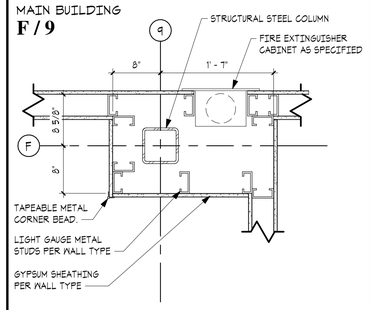
MAIN BUILDING
C / 9



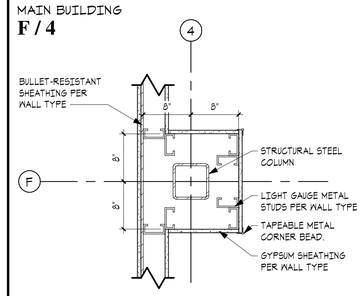
MAIN BUILDING
G / 6.1



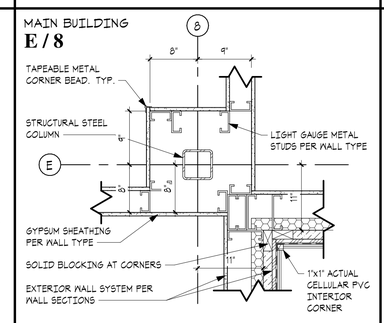
MAIN BUILDING
F / 9



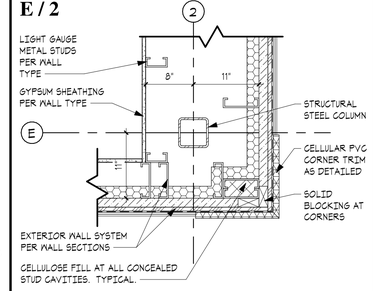
MAIN BUILDING
F / 4



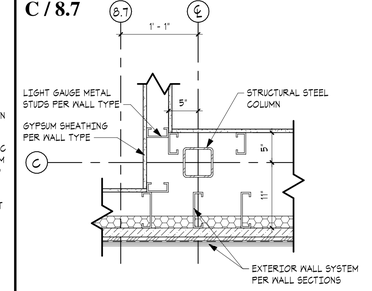
MAIN BUILDING
E / 8



MAIN BUILDING
E / 2



MAIN BUILDING
C / 8.7



MAIN BUILDING
G / 5

MAIN BUILDING
F / 8.3

MAIN BUILDING
F / 2

MAIN BUILDING
E / 7

MAIN BUILDING
E / 1

MAIN BUILDING
C / 8

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET

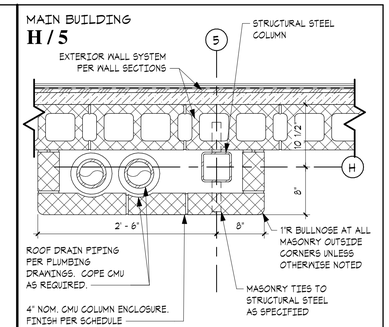
CARVER, MASSACHUSETTS

JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

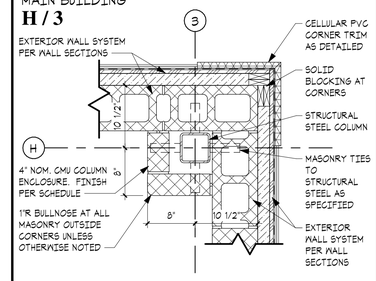
MAIN BUILDING COLUMN DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-8.2
SCALE: 1" = 1'-0"	
DATE: OCTOBER 2, 2019	

MAIN BUILDING
H / 5



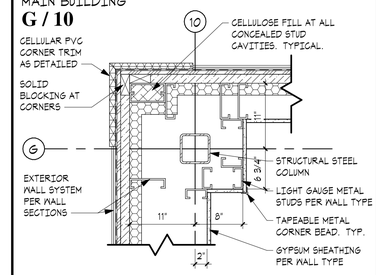
MAIN BUILDING
H / 3



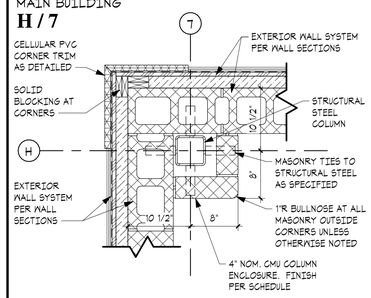
GENERAL NOTES:

1. REFERENCE FLOOR PLANS FOR APPLICABLE WALL TYPE AND COLUMN LOCATIONS.
2. REFERENCE DRAWING A-0.2 FOR WALL TYPE SCHEDULE.
3. REFERENCE CODE PLANS FOR WALL RATING REQUIREMENTS.
4. REFERENCE STRUCTURAL DRAWINGS FOR COLUMN AND BRACING REQUIREMENTS.
5. REFERENCE SPECIFICATIONS FOR ALL COMPONENT REQUIREMENTS.
6. LIGHT GAUGE FRAMING AND MASONRY UNIT LAYOUTS ARE SHOWN DIAGRAMMATICALLY. APPLICABLE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, IN THE FIELD, UNIT ORIENTATIONS TO ENSURE FINAL PRODUCT MEETS THE INTEGT OF THE DRAWINGS AND SPECIFICATIONS.
7. COLUMN DETAILS DO NOT SHOW FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, TELECOMMUNICATION, OR SECURITY COMPONENTS THAT MAY BE REQUIRED. APPLICABLE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF COMPONENTS.
8. MASONRY CONTROL JOINTS NOT SHOWN IN ALL REQUIRED INSTANCES FOR CLARITY OF BALANCE OF COMPONENTS. PROVIDE MASONRY CONTROL JOINTS AT ALL COLUMN LINES. REFERENCE SPECIFICATIONS.

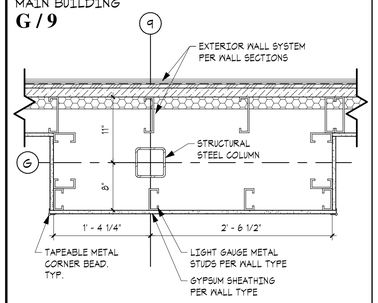
MAIN BUILDING
G / 10



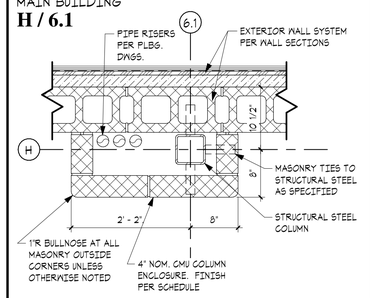
MAIN BUILDING
H / 7



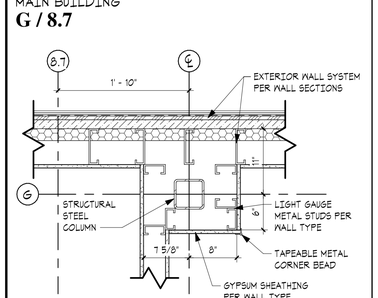
MAIN BUILDING
G / 9



MAIN BUILDING
H / 6.1



MAIN BUILDING
G / 8.7



SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MAIN BUILDING COLUMN DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-8.3
SCALE: 1" = 1'-0"	
DATE: OCTOBER 2, 2019	

DOOR and FRAME SCHEDULE

Opening Information														Door Information									Frame Information									
Mark #	Qty.	Width	Height	Opg.	Head	Jamb	Sill	Glaz. (*)	Glaz. (*K)	Glaz. (*T)	Hand	Label	List. Agnt.	Leaf 1 Type	Leaf 1 Width	Leaf 2 Type	Leaf 2 Width	Thick.	Series/ Edge	Ga.	Mat'l	Core/ Finish	Type/ Series	Ga./ Fin.	Mat'l	Jamb Depth	Wall Type / Thickness	Const.	Jamb Anchor	Base Anchor	Casing	Heading
100A	1	6-0	7-0	DBL	H1	J1	See F-1.1	T			RHRA			DL-G	3-0	DL-G	3-0	1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Training Classroom from Public Lobby													Notes:									Notes:									
100B	1	3-2	6- 10-1/2	SGL	H20c H20a	J20a J20d	S20a ASF	IT	IT		LHR			DL-A	3-2			2			ALD		F-5 ASe		ALF	4-1/2	SEE WALL SECTIONS					Per 08 71 00
Notes:	Training Classroom from Exterior													Notes:									Notes:									
100C	9	6-10	6-10	BL	H20a	J20a	S20a	I															F-4 ASe		ALF	4-1/2	SEE WALL SECTIONS					
Notes:	Training Classroom from Exterior													Notes:	Borrowed Lite								Notes:									
101A	1	3-2	6- 10-1/2	SGL	H20b	J20b, c, & d	S20a ASF	IT	IT		RHR			DL-A	3-2			2			ALD		F-6 ASe		ALF	4-1/2	SEE WALL SECTIONS					Per 08 71 00
Notes:	Vestibule from Exterior													Notes:									Notes:									
101B	1	6-10	6-10	BL	H20b	J20c	S20a	I															F-4 ASe		ALF	4-1/2	SEE WALL SECTIONS					
Notes:	Vestibule from Exterior													Notes:									Notes:									
102A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Toilet from Public Lobby													Notes:									Notes:									
103A	1	6-0	7-0	DBL	H1	J1	See F-1.1				LHRA			DL-F	3-0	DL-F	3-0	1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Furniture Storage from Training Classroom													Notes:									Notes:									
104A	1	3-0	7-0	SGL	H1	J1	See F-1.1	T			LH			DL-G	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Records from Corridor													Notes:									Notes:									
105A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Toilet from Public Lobby													Notes:									Notes:									
106A	1	3-2	6- 10-1/2	SGL	H5 H20c	J2 / J5 J20d	See F-1.1	T	T		RHR			DL-A	3-2			2			ALD		F-6 ASe		ALF	4-1/2	WGA-4 4-7/8					Per 08 71 00
Notes:	Public Lobby from Vestibule													Notes:									Notes:									
106B	1	3-0	7-0	BRD	H6	J6	See F-1.1				LHR			DL-F	3-0			1-3/4			BRD		G BQ	16 P	A40	6-1/4	WRGA-4 5-1/4	FW	ZBA	FA		Per 08 71 00
Notes:	Corridor from Public Lobby													Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Door								Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Frame								
106C	1	4-0	4-0	BRF	H14	J14	H14	BR															BR SR	16 P	SS	6-1/4	WRGA-4 5-1/4	FW	ZBA			
Notes:	Dispatch from Public Lobby													Notes:	Borrowed Lite								Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Transaction Window								
106D	1	4-0	4-0	BRF	H14	J14	H14	BR															BR SR	16 P	SS	6-1/4	WRGA-4 5-1/4	FW	ZBA			
Notes:	Dispatch from Records													Notes:	Borrowed Lite								Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Transaction Window								
107A	1	4-0	5-8	BRF	H22	J22a	H22	BP			LHR												BROP SR	16 P	SS	6-1/4	WRGA-4 5-1/4	FW	ZBA			
Notes:	Dispatch from Exterior													Notes:	Borrowed Lite								Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Operable Transaction Window								
108A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Interview from Corridor													Notes:									Notes:									
109A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Interview from Corridor													Notes:									Notes:									
109B	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Corridor from Interview													Notes:									Notes:									
110A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Corridor from Corridor													Notes:									Notes:									
111A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Break Room from Corridor													Notes:									Notes:									
111B	1	4-0	5-8	BRF	H22	J22b	H22	BP			RHR												BROP SR	16 P	SS	6-1/4	WRGA-4 5-1/4	FW	ZBA			
Notes:	Dispatch from Exterior													Notes:	Borrowed Lite								Notes:	U.L. Listed Level 3 Bullet-Resistant Rated Operable Transaction Window								
112A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Toilet from Break Room													Notes:									Notes:									
113A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Closet from Break Room													Notes:									Notes:									
114A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Communications from Break Room													Notes:									Notes:									
116A	1	3-0	7-0	SGL	H4	J4	See F-1.1				RHR			DL-F	3-0			1-3/4	LS	18	HM A40	HC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Hall from Prisoner Processing													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
118A	1	3-0	7-0	SGL	H8	J8	HMR				LHR			DL-F	3-0			1-3/4	LS	16	HM A60	PU P	B SQ	14 P	A60	7-5/8	SEE WALL SECTIONS	FW	TMA	FA		Per 08 71 00
Notes:	Sally Port from Exterior													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
118B	1	12-0	10-0	OH	H12	J12	OHS							OHD-1	12-0			2				PU P										Per 08 71 00
Notes:	Sally Port from Exterior													Notes:	Overhead Door as Specified								Notes:									
120A	1	3-0	7-0	SGL	H4	J4	See F-1.1	D			LHR			DL-S	3-0			1-3/4	LS	18	HM A40	HC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Shower from Prisoner Processing													Notes:	See Elevation 2 on Drawing A-11.2								Notes:	See Elevation 2 on Drawing A-11.2. Bituminous coating at throat interior, grout filled.								
121A	1	3-0	7-0	SGL	H4	J4	See F-1.1				LHR			DL-F	3-0			1-3/4	LS	18	HM A40	HC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Interview from Prisoner Processing													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
122A	1	3-0	7-0	SGL	H7	J7	EPF	D			LH			DL-S	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	10-1/4	WBG-8 9-3/4	FW	TMA	FA		Per 08 71 00
Notes:	Prisoner Processing from Corridor													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
122B	1	3-0	7-0	SGL	H4	J4	EPF	FD			LH	45PP	WH	DL-S	3-0			1-3/4	LS	18	HM A40	HC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Prisoner Processing from Sally Port													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
123A	1	3-8	3-10	BL	H13	J13	H13	D															D SQ/M/MC	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA			
Notes:	Booking from Prisoner Processing													Notes:	Borrowed Lite								Notes:	ADD series SC : Bituminous coating at throat interior, grout filled.								
124A	1	3-8	3-10	BL	H13	J13	H13	D															D SQ/M/MC	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA			
Notes:	Booking from Prisoner Processing													Notes:	Borrowed Lite								Notes:	ADD series SC : (Mirror Frame Elevation) Bituminous coating at throat interior, grout								
125A	1	3-0	7-0	SGL	H8	J8	HMR				LHR			DL-F	3-0			1-3/4	LS	16	HM A60	PU P	B SQ	14 P	A60	7-5/8	SEE WALL SECTIONS	FW	TMA	FA		Per 08 71 00
Notes:	Vehicle Processing from Exterior													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
125B	1	12-0	10-0	OH	H12	J12	OHS							OHD-1	12-0			2				PU P										Per 08 71 00
Notes:	Vehicle Processing from Exterior													Notes:	Overhead Door as Specified								Notes:									
125C	1	15-10	10-0	OH	H15	J15	See F-1.1							OSG-1																		Per 08 71 00
Notes:	Vehicle Processing from Sally Port													Notes:	Overhead Security Grille as Specified								Notes:									
126A	1	3-0	7-0	SGL	H4	J4	See F-1.1				LHR	90PP	WH	DL-F	3-0			1-3/4	LS	18	HM A60	MC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Electrical from Vehicle Processing													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								
127A	1	3-0	7-0	SGL	H4	J4	See F-1.1				LHR	45PP	WH	DL-F	3-0			1-3/4	LS	18	HM A60	MC P	B SQ	16 P	A40	7-5/8	WB-8 7-5/8	FW	TMA	FA		Per 08 71 00
Notes:	Mechanical from Vehicle Processing													Notes:									Notes:	Bituminous coating at throat interior, grout filled.								

DOOR and FRAME SCHEDULE

Opening Information														Door Information									Frame Information									
Mark #	Qty.	Width	Height	Opg.	Head	Jamb	Sill	Glaz. (*)	Glaz. (*K)	Glaz. (*T)	Hand	Label	List. Agnt.	Leaf 1 Type	Leaf 1 Width	Leaf 2 Type	Leaf 2 Width	Thick.	Series/ Edge	Ga.	Mat'l	Core/ Finish	Type/ Series	Ga./ Fin.	Mat'l	Jamb Depth	Wall Type / Thickness	Const.	Jamb Anchor	Base Anchor	Casing	Heading
128A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Evidence Processing from Corridor													Notes:									Notes:									
129A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Evidence Storage from Evidence Processing													Notes:									Notes:									
130A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Narcotics Storage from Evidence Storage													Notes:									Notes:									
132A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LH			DL-F	3-0			1-3/4	ME		WD	PC CL	SL BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	General Office from Corridor													Notes:									Notes:									
133A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LH			DL-F	3-0			1-3/4	ME		WD	PC CL	SL BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Patrol Sergeants from Corridor													Notes:									Notes:									
134A	1	3-0	7-0	SGL	H1	J1	See F-1.1	T			RH			DL-G	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Patrol Room from Corridor													Notes:									Notes:									
135A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LHR			DL-G	3-0			1-3/4	ME		WD	PC CL	F-3 BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Interview from Patrol Room													Notes:									Notes:									
137A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Toilet from Corridor													Notes:									Notes:									
138A	1	3-0	7-0	SGL	H10	J10	ASF	IT	IT		RHR			DL-A	3-0			2			ALD		G ASe		ALF	4-1/2	SEE WALL SECTIONS					Per 08 71 00
Notes:	Medical from Exterior													Notes:									Notes:									
139A	1	3-0	7-0	SGL	H2 H5	J2 J5	See F-1.1	T	T		LHR			DL-A	3-0			2			ALD		SL ASe		ALF	4-1/2	SEE WALL SECTIONS					Per 08 71 00
Notes:	Corridor from Medical													Notes:									Notes:									
140A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Laundry from Medical													Notes:									Notes:									
141A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Custodian from Corridor													Notes:									Notes:									
142A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LH			DL-G	3-0			1-3/4	ME		WD	PC CL	F-2 BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Conference from Corridor													Notes:									Notes:									
142B	1	3-0	7-0	SGL	H1	J1	See F-1.1	T			LH			DL-G	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Conference from Administrative Assistant													Notes:									Notes:									
143A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Chief of Police from Hall													Notes:									Notes:									
144A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Closet from Chief of Police													Notes:									Notes:									
145A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	File Storage from Hall													Notes:									Notes:									
146A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Closet from 2nd in Command													Notes:									Notes:									
147A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	2nd in Command from Hall													Notes:									Notes:									
149A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LH			DL-G	3-0			1-3/4	ME		WD	PC CL	F-1 BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Administrative Assistant from Corridor													Notes:									Notes:									
150A	1	3-0	7-0	WMP	M A-6.4	E / I A-6.4	Q A-6.4				LHR																					Per 08 71 00
Notes:	Armory from Gun Clean													Notes:	Wire Mesh Partition, Reference Drawing A-6.4								Notes:	Wire Mesh Partition, Reference Drawing A-6.4								
151A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Gun Clean from Corridor													Notes:									Notes:									
152A	1	3-0	7-0	SGL	H10	J10	HMS	IT	IT		LHR			DL-A	3-0			2			ALD		G ASe		ALF	4-1/2	SEE WALL SECTIONS					Per 08 71 00
Notes:	Corridor from Exterior													Notes:									Notes:									
153A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Shower from Men's Toilet													Notes:									Notes:									
154A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Vestibule from Corridor													Notes:									Notes:									
157A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Shower from Women's Lockers													Notes:									Notes:									
158A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Toilet from Women's Lockers													Notes:									Notes:									
160A	1	3-0	7-0	SGL	H1	J1	See F-1.1				RH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Vestibule from Corridor													Notes:									Notes:									
160B	1	3-0	7-0	SGL	H1	J1	See F-1.1				RHR			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Women's Lockers from Vestibule													Notes:									Notes:									
161A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		RH			DL-F	3-0			1-3/4	ME		WD	PC CL	SL BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Detective from Corridor													Notes:									Notes:									
162A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		RH			DL-F	3-0			1-3/4	ME		WD	PC CL	SL BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Detective Sergeant from Detective													Notes:									Notes:									
163A	1	3-0	7-0	SGL	H1	J1	See F-1.1				LH			DL-F	3-0			1-3/4	ME		WD	PC CL	G BQ	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Storage from Detective													Notes:									Notes:									
164A	1	3-0	7-0	SGL	H1 H3	J1 J3	See F-1.1	T	T		LH			DL-G	3-0			1-3/4	ME		WD	PC CL	SL BQ/M/FR	16 P	A40	5-7/8	WGA-4 4-7/8	FW	ZBA	FA		Per 08 71 00
Notes:	Day Room from Corridor													Notes:									Notes:									
200A	1	3-0	7-0	SGL	H16	J16	HMS				RH			DL-F	3-0			1-3/4	LS	16	HM A60	PU P	G BQ	14 P	A60	7-3/4	SEE WALL SECTIONS	FW	DCA	FA		Per 08 71 00
Notes:	Attic from Attic													Notes:									Notes:									
B01A	1	3-0	7-0	SGL	H9	J9	HMR				RHR			DL-F	3-0			1-3/4	LS	16	HM A60	PU P	G BQ	14 P	A60	7-3/4	SEE WALL SECTIONS	FW	DCA	FA		Per 08 71 00
Notes:	(ALTERNATE NO. 1) Physical Training Room from Exterior													Notes:									Notes:									
B03A	1	5-0	7-0	SGL	P A-6.4	H / D A-6.4	L A-6.4																									Per 08 71 00
Notes:	(ALTERNATE NO. 1) Road Supply Storage from Department Storage Bay													Notes:	Wire Mesh Partition, Reference Drawing A-6.4								Notes:	Wire Mesh Partition, Reference Drawing A-6.4								
B04A	1	3-0	7-0	SGL	H9	J9	HMR				RHR			DL-F	3-0			1-3/4	LS	16	HM A60	PU P	G BQ	14 P	A60	7-3/4	SEE WALL SECTIONS	FW	DCA	FA		Per 08 71 00
Notes:	(ALTERNATE NO. 1) Department Storage Bay from Exterior													Notes:									Notes:									

SUBMISSIONS & REVISIONS

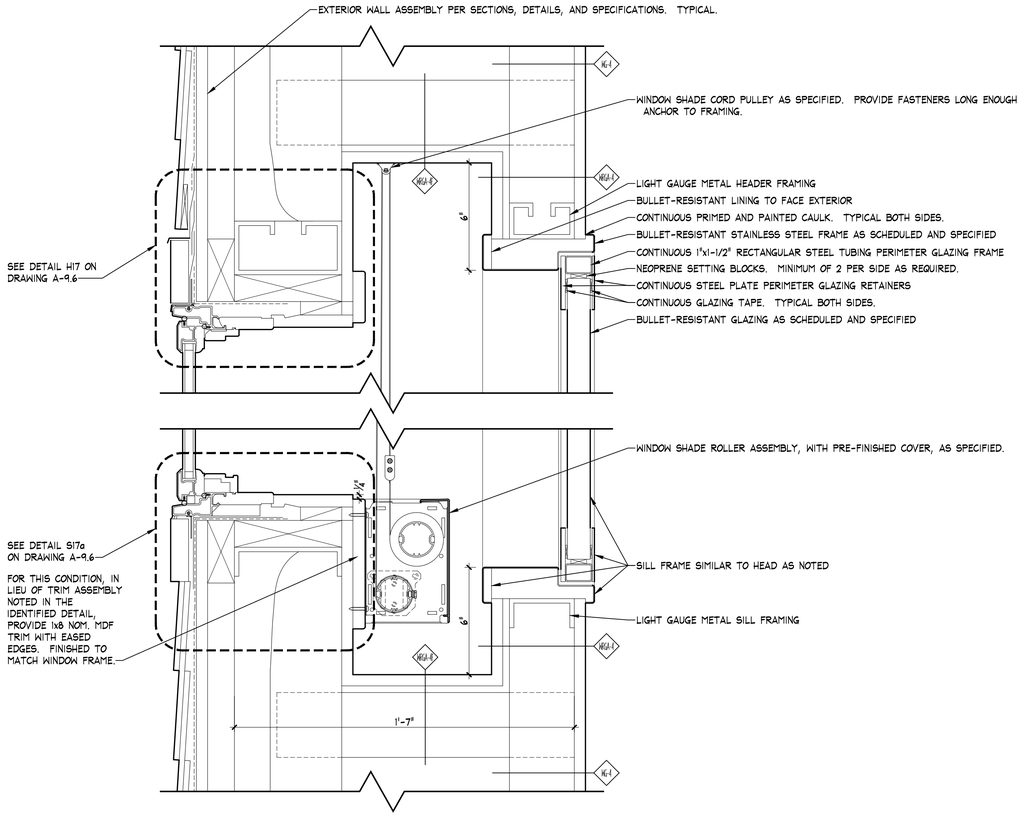
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

DOOR AND FRAME SCHEDULE (PART I)

PROJ. NO. JH1830
SCALE As Noted
DATE OCTOBER 2, 2019
DRAWING NO. A-9.1



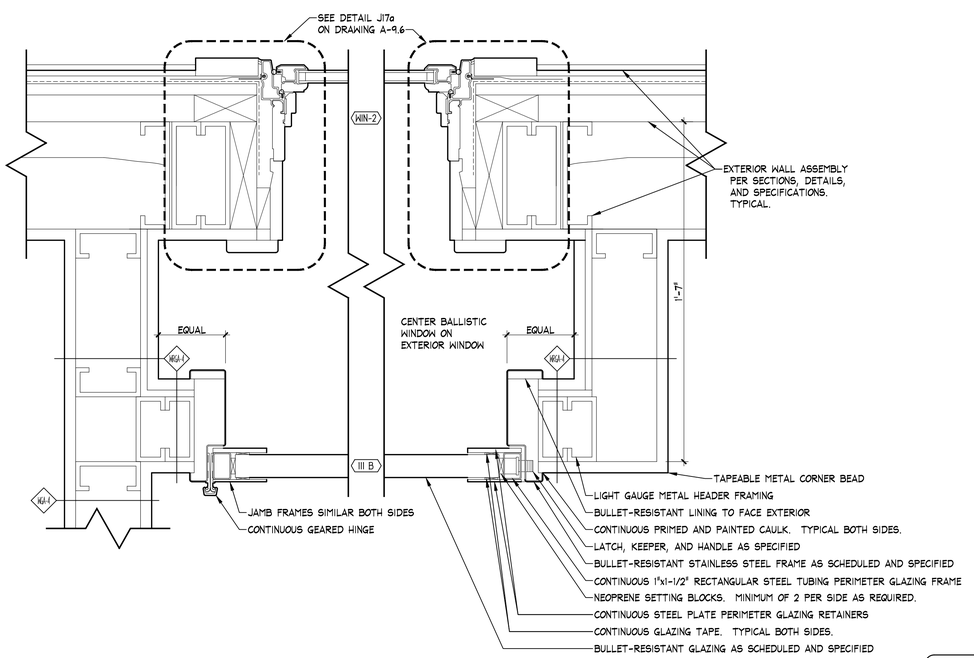
H22

DOOR and FRAME SCHEDULE

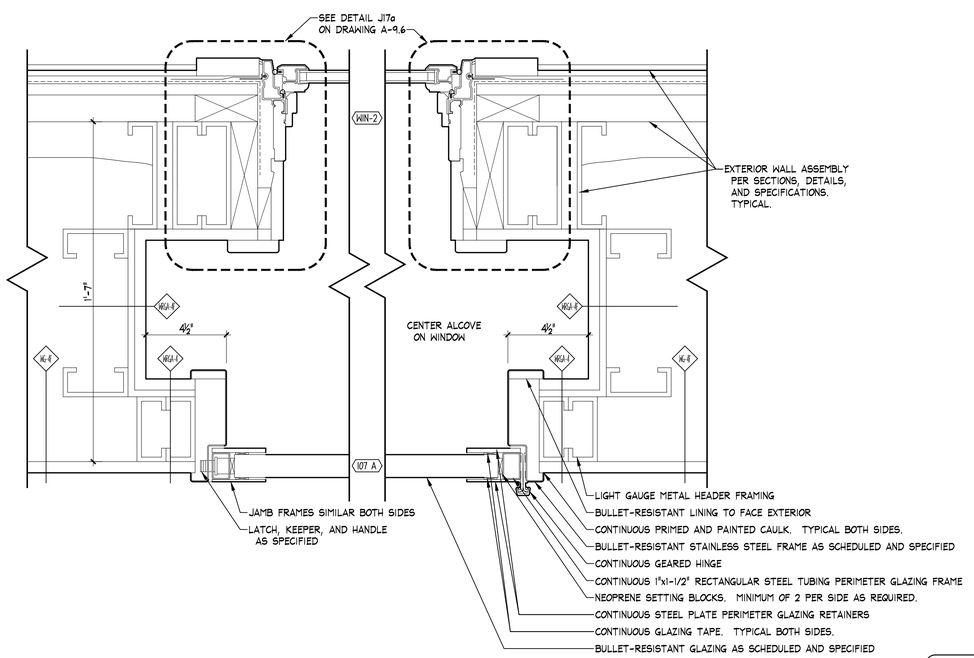
Opening Information														Door Information										Frame Information									
Mark #	Qty.	Width	Height	Opg.	Head	Jamb	Sill	Glaz. (*)	Glaz. (*K)	Glaz. (*T)	Hand	Label	List. Agnt.	Leaf 1 Type	Leaf 1 Width	Leaf 2 Type	Leaf 2 Width	Thick.	Series/ Edge	Ga.	Mat'l	Core/ Finish	Type/ Series	Ga./ Fin.	Mat'l	Jamb Depth	Wall Type / Thickness	Const.	Jamb Anchor	Base Anchor	Casing	Heading
B04B	1	12-0	10-0	OH	H11	J11	OHS							OHD-1	12-0			2				PU P										Per 08 71 00
Notes:	(ALTERNATE NO. 1) Department Storage Bay from Exterior													Notes:	Overhead Door as Specified								Notes:	Overhead Door as Specified								
B06A	1	5-0	7-0	SGL	M A-6.4	S / O A-6.4	Q A-6.4				LHR																					Per 08 71 00
Notes:	(ALTERNATE NO. 1) Found Property Storage from Department Storage Bay													Notes:	Wire Mesh Partition, Reference Drawing A-6.4								Notes:	Wire Mesh Partition, Reference Drawing A-6.4								
B07A	1	5-0	7-0	SGL	M A-6.4	S / O A-6.4	Q A-6.4				RHR																					Per 08 71 00
Notes:	(ALTERNATE NO. 1) Bulk Evidence Storage from Department Storage Bay													Notes:	Wire Mesh Partition, Reference Drawing A-6.4								Notes:	Wire Mesh Partition, Reference Drawing A-6.4								

DOOR AND FRAME SCHEDULE ABBREVIATIONS	
45PP	45 minute fire rating, positive pressure.
90PP	90 minute fire rating, positive pressure.
A40	Galvannealed, hot dipped, heat treated, 4oz zinc coated steel, primed.
A60	Galvannealed, hot dipped, heat treated, 6oz zinc coated steel, primed.
ALD	Aluminum door. See specifications
ALF	Aluminum frame. See specifications
BL	Borrowed lite.
BRD	Bullet resistant door.
BRF	Bullet resistant frame.
CL	Clear finish, premium catalyzed polyurethane (TR-6 or OP-6)
DBL	Double leaf opening.
DCA	Wood stud anchor.
FA	Floor anchor.
FW	Fully welded.
HC	Honeycomb.
HM	Hollow Metal
LS	Lock seam
MC	Mineral core (fire rated)
ME	Match edge
OH	Overhead door and/or grille
P	Painted
PC	5-ply particle core.
PU	Polyurethane.
SS	Stainless Steel
SGL	Single leaf opening.
WD	Wood.
WMP	Wire Mesh Partition
ZBA	Steel stud anchor.

1. REFERENCE DRAWING A-9.3, AND SPECIFICATIONS, FOR GLAZING AND PANEL TYPE DESCRIPTIONS.
2. REFERENCE DRAWING A-9.3 FOR LEAF TYPES, FRAME TYPES, FRAME ANCHOR TYPES, AND FRAME SERIES PROFILES.
3. REFERENCE A-9 SERIES DRAWING FOR HEAD, JAMB, AND SILL DETAILS INDICATED UNLESS OTHERWISE NOTED.
4. CONTRACTOR IS REQUIRED TO COORDINATE ACCESS CONTROL AND ELECTRICAL REQUIREMENTS OF ALL OPENINGS WITH THE HARDWARE SCHEDULE AND PROVIDE ALL NECESSARY ACCOMMODATIONS WITHIN THE LEAF AND FRAME.



J22b



J22a

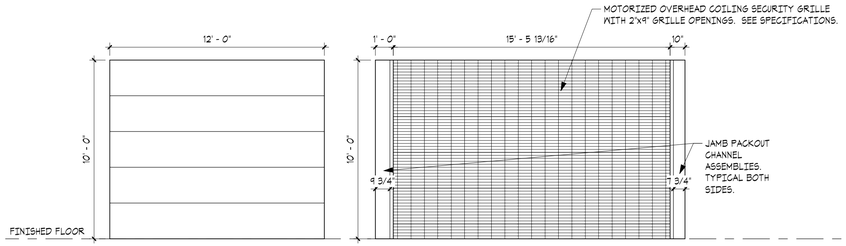
SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JHI
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

DOOR AND FRAME SCHEDULE (PART II) AND DETAILS

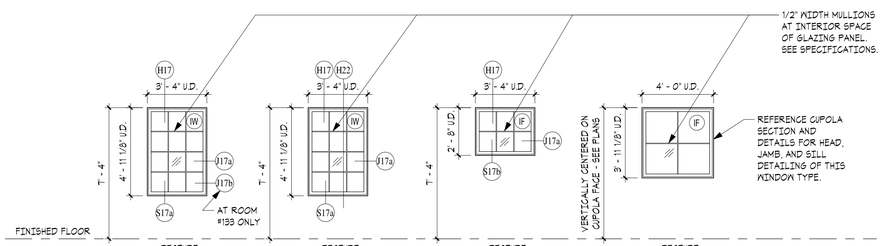
PROJ. NO.	DRAWING NO.
JH1830	A-9.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



OHD-1

OSG-1

VIEWED FROM SALLY PORT #118



WIN-1 **WIN-2** **WIN-3** **WIN-4**

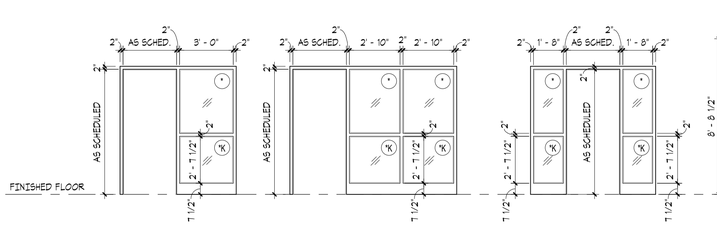
GLAZING / PANEL TYPES

* GLAZING TYPE '*' PER DOOR AND FRAME SCHEDULE	I 1" INSULATED, LOW-E
*K KICK AREA GLAZING TYPE "K" PER DOOR AND FRAME SCHEDULE	IF 11/16" INSULATED, LOW-E, TEMPERED, TRANSLUCENT
T TRANSOM AREA GLAZING TYPE "T" PER DOOR AND FRAME SCHEDULE	IT 1" INSULATED, LOW-E, TEMPERED
BR 1.28" 4-PLY (U.L. LISTED LEVEL 3) BULLET-RESISTANT LAMINATED GLAZING	IW 11/16" INSULATED, LOW-E
BP 1.25" (U.L. LISTED LEVEL 3) BULLET-RESISTANT POLYCARBONATE	M 1/4" TEMPERED, MIRROR
D 7/8" TRANSPARENT SECURITY ARMOR	T 1/4" CLEAR TEMPERED
FD 1" FIRE RATED POLYCARBONATE	

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON GLAZING

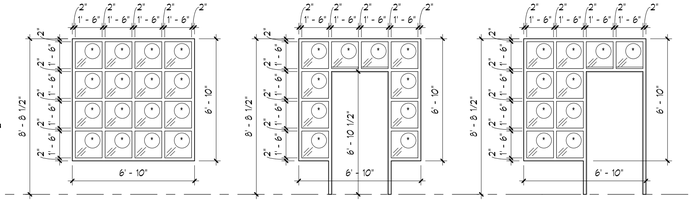
NOTE:
1. REFERENCE DRAWING A-9.1 FOR DOOR LEAF AND FRAME SCHEDULE.
2. REFERENCE SPECIFICATION 08 06 10 FOR SUPPLEMENTAL DOOR SCHEDULE.
3. REFERENCE SPECIFICATION 08 71 00 FOR DOOR HARDWARE SCHEDULE.

SPECIALTY DOOR TYPES



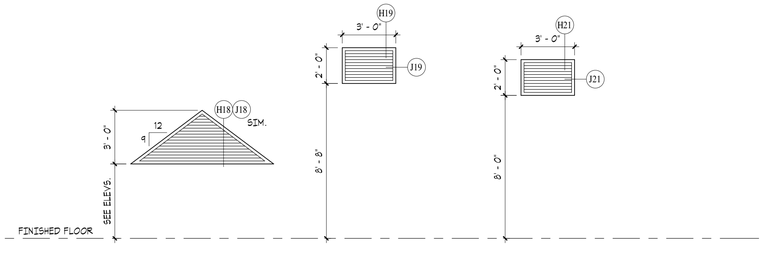
F-1 **F-2**

F-3



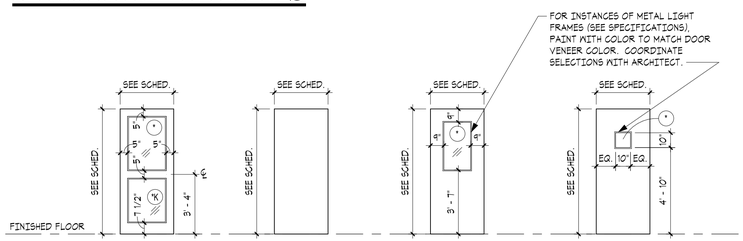
F-4 **F-5** **F-6**

WINDOW TYPES



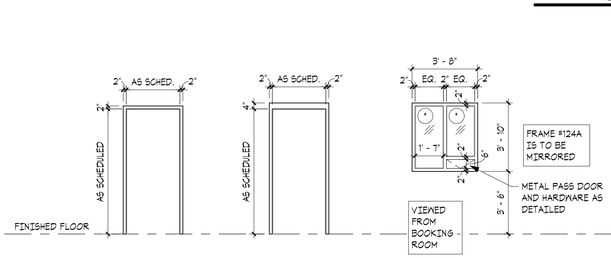
LVR-1 **LVR-2** **LVR-3**

FRAME TYPES

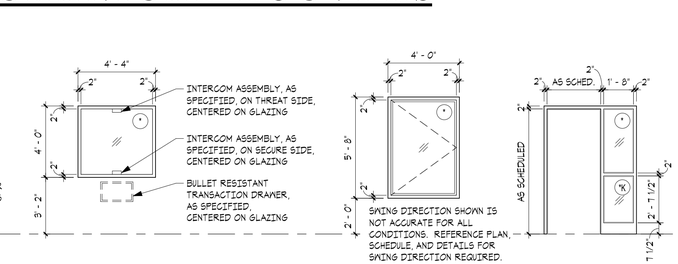


DL-A **DL-F** **DL-G** **DL-S**

DOOR LEAF TYPES

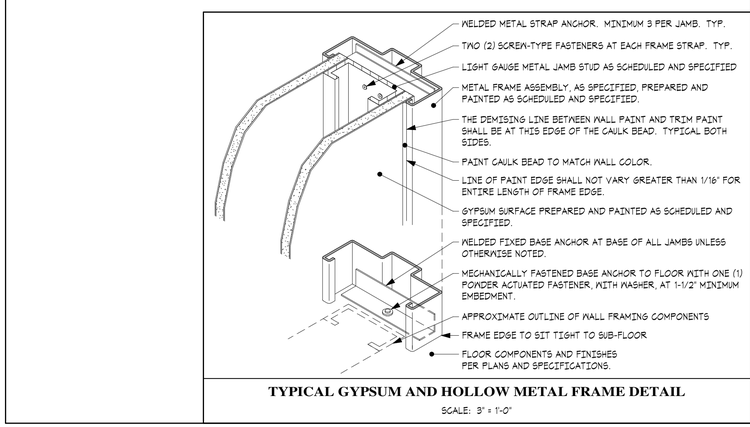


G **B** **D**



BR **BROP** **SL**

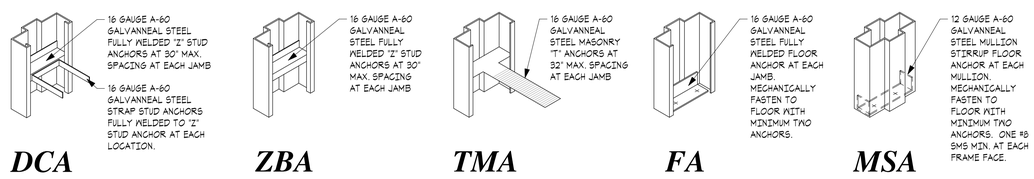
FRAME TYPES



TYPICAL GYPSUM AND HOLLOW METAL FRAME DETAIL

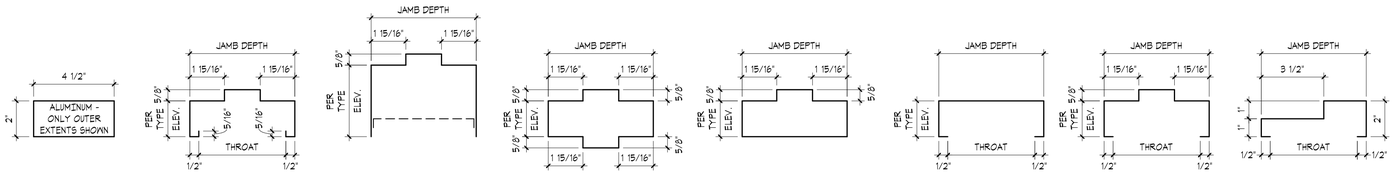
SCALE: 3" = 1'-0"

FRAME ANCHOR TYPES



DCA **ZBA** **TMA** **FA** **MSA**

FRAME SERIES TYPES



ASe **BQ** **FR** **M** **MC** **SC** **SQ** **SR**

MECHANICAL LOUVERS

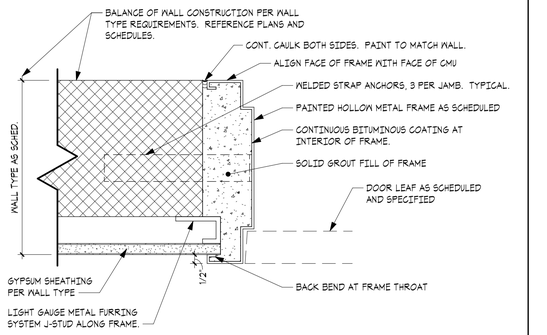
NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

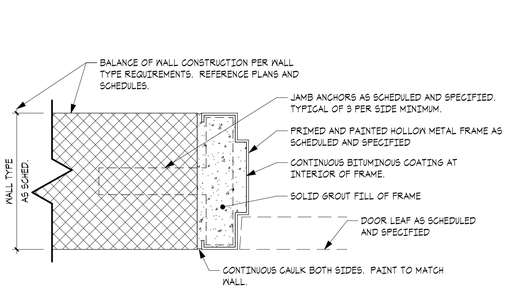
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FRAME, LEAF, LOUVER, AND WINDOW TYPES

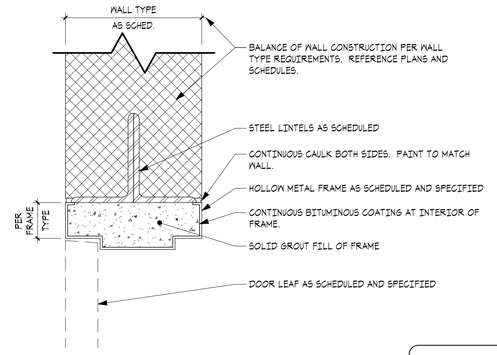
PROJ. NO. JH1830	DRAWING NO. A-9.3
SCALE As indicated	
DATE OCTOBER 2, 2019	



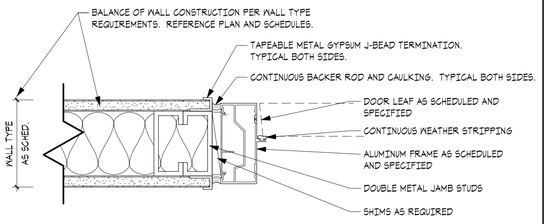
J7



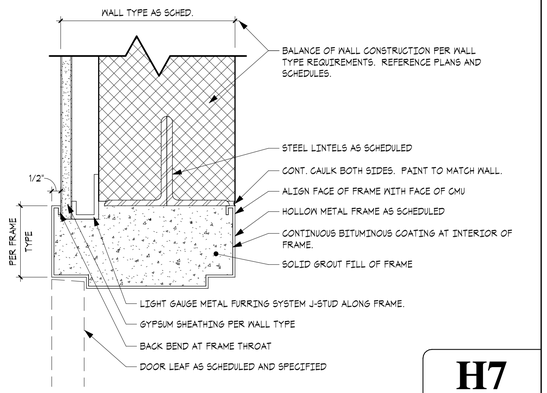
J4



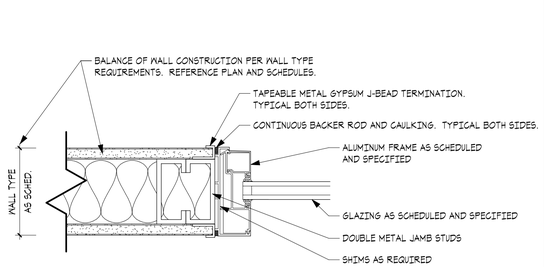
H4



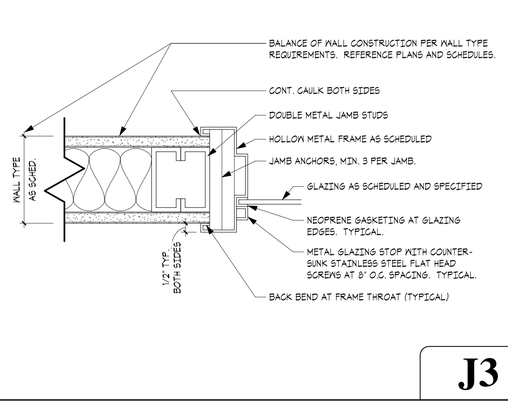
J2



H7



J5



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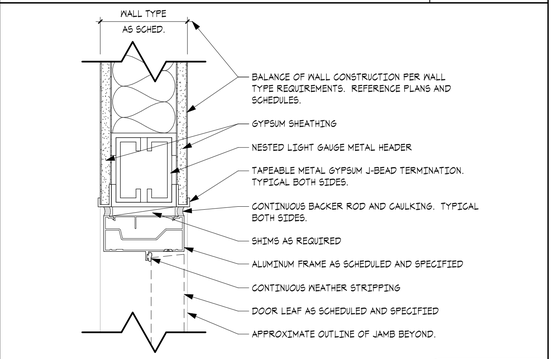
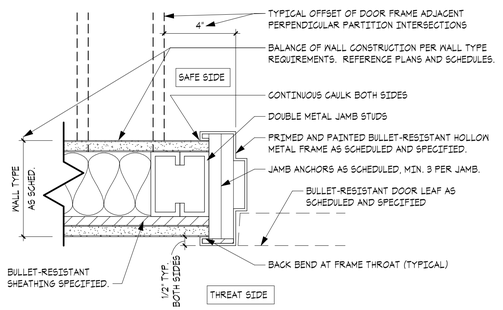
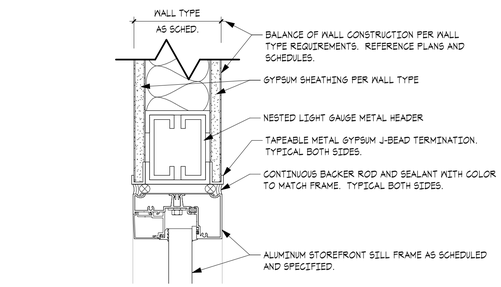
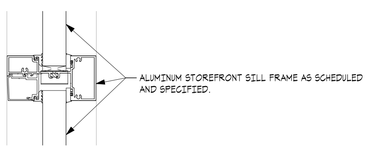


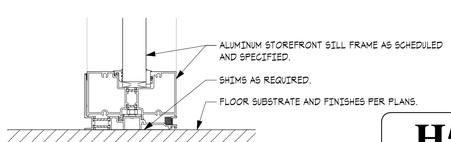
H2



J6







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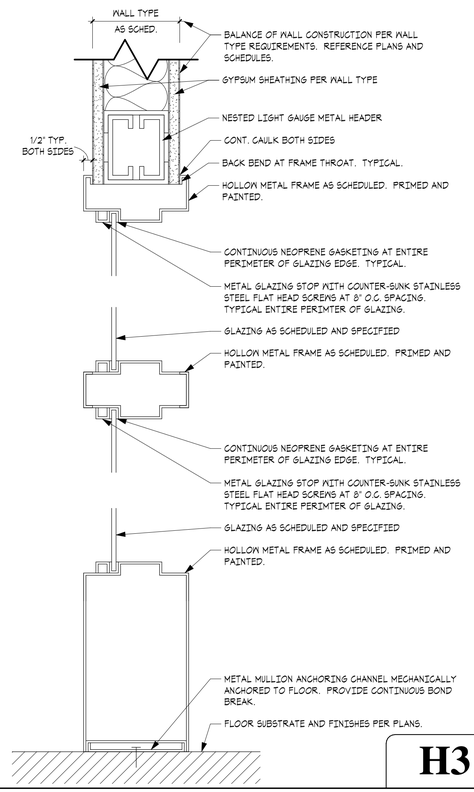
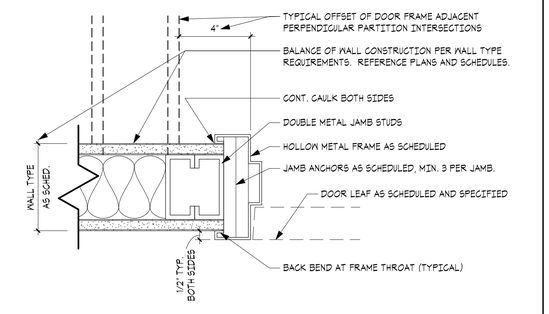
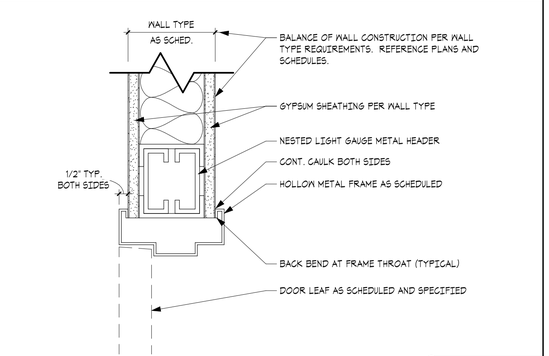


H3



J1



H1

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE

CARVER POLICE DEPARTMENT

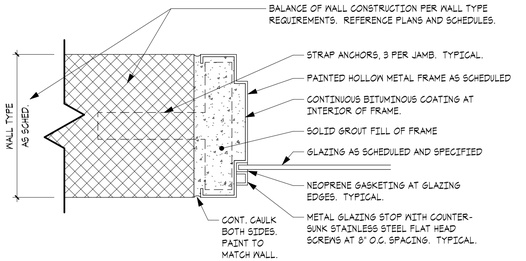
CARVER, MASSACHUSETTS

3 CENTER STREET

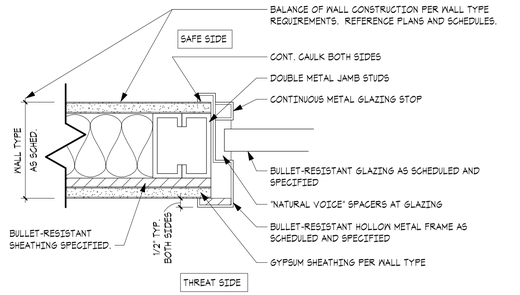
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FRAME DETAILS

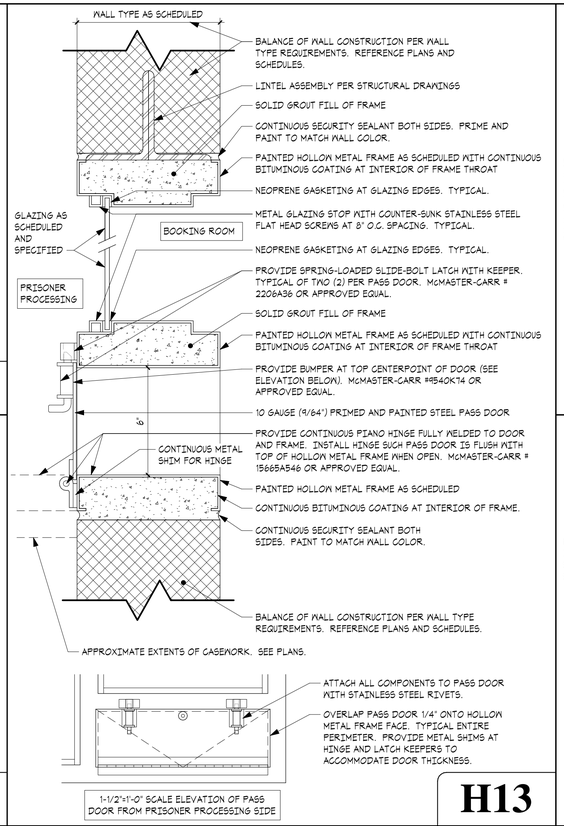
PROJ. NO.	DRAWING NO.
JH1830	*A-9.4*
SCALE: 3" = 1'-0"	
DATE: OCTOBER 2, 2019	



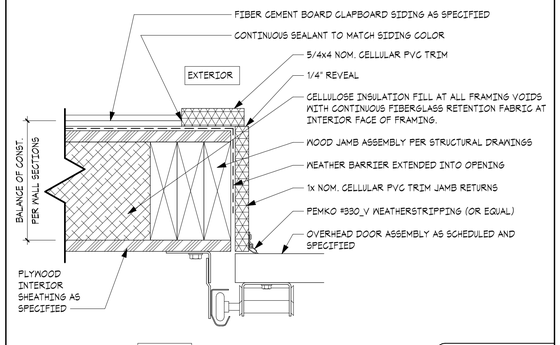
J13



J14



H13



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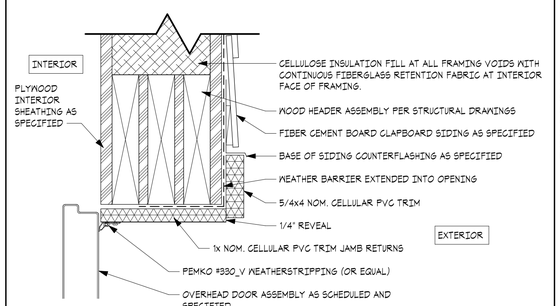
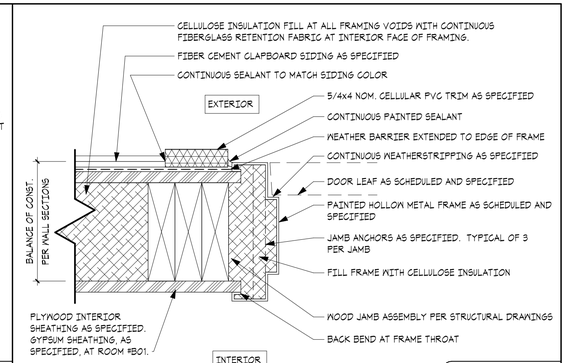
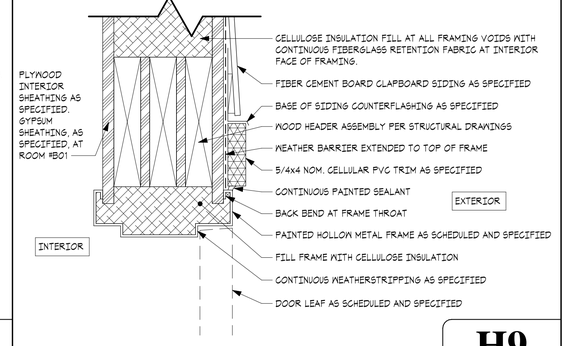


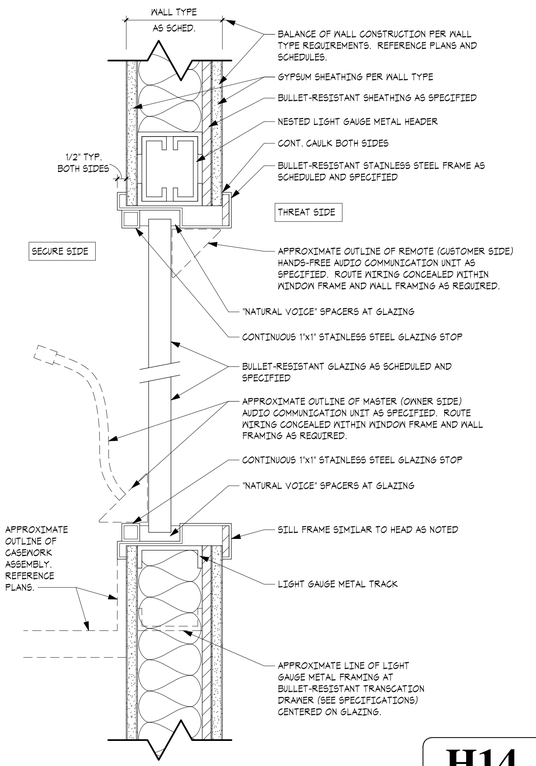
H11



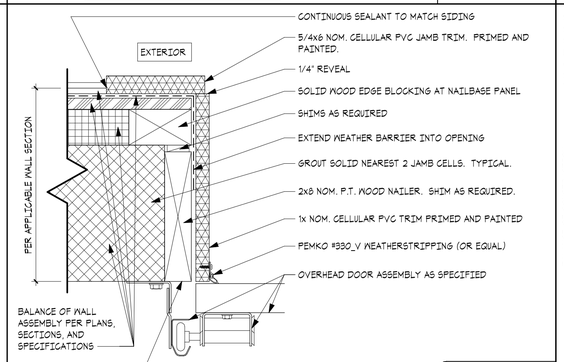
J9



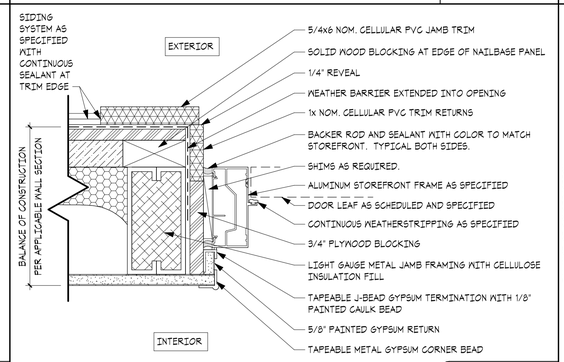
H9



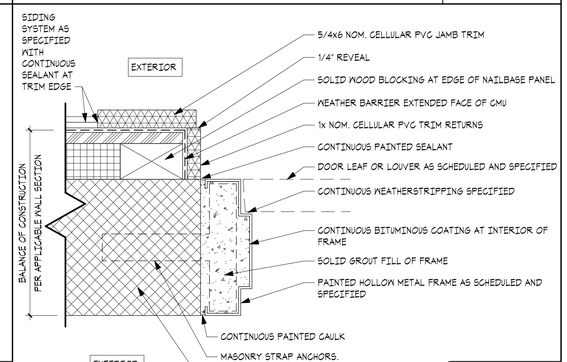
H14



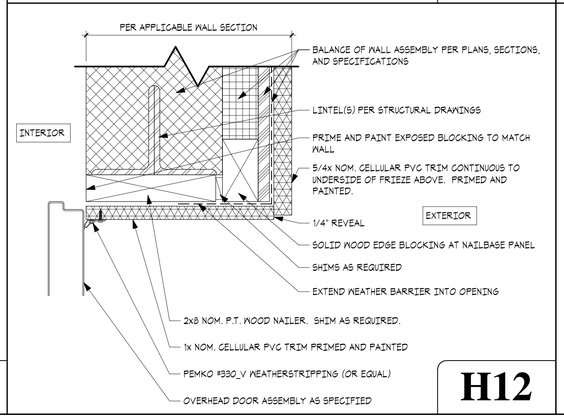
J12



J10



J8



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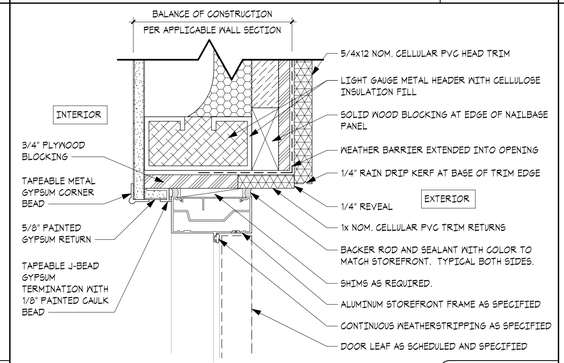

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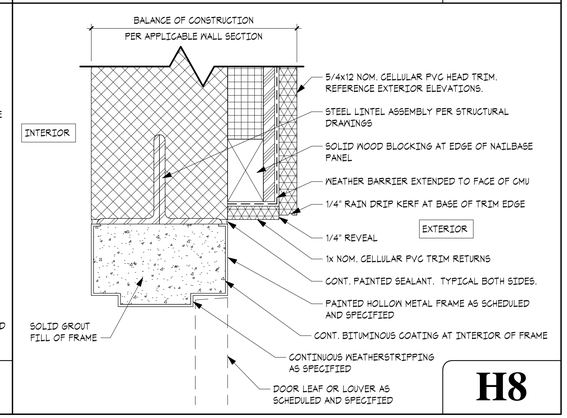


H8

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET

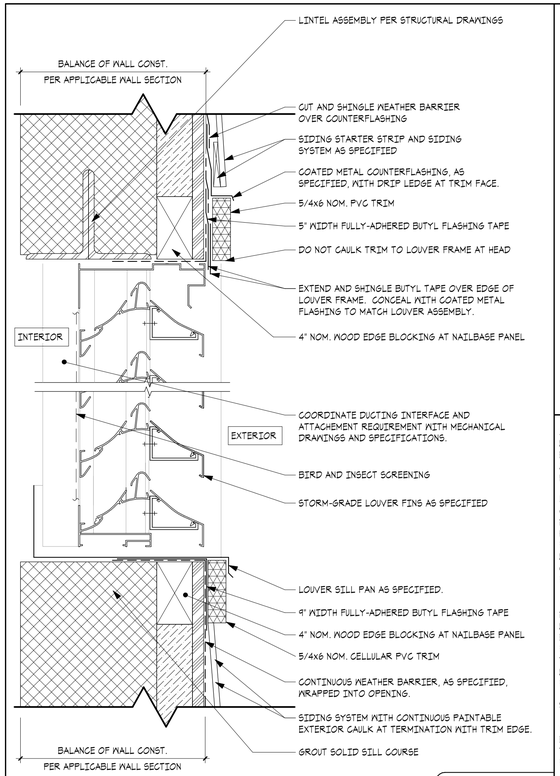
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC

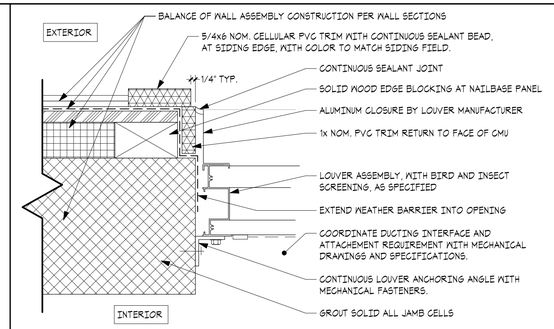
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FRAME DETAILS

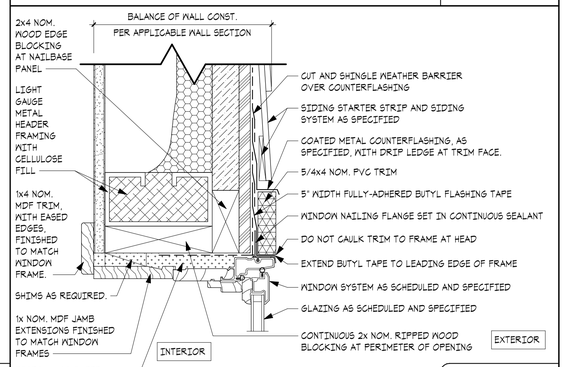
PROJ. NO. JH1830	DRAWING NO.
SCALE 3" = 1'-0"	***A-9.5***
DATE OCTOBER 2, 2019	



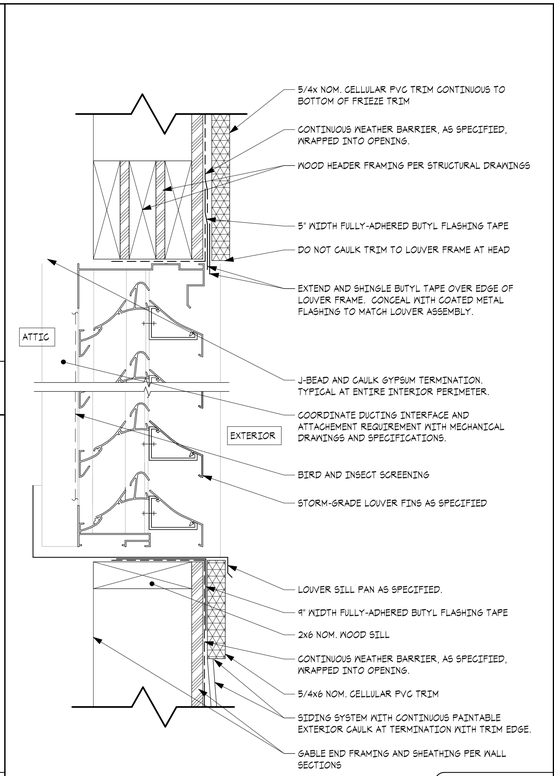
H19



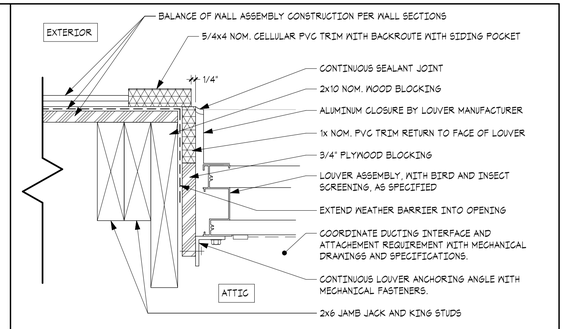
J19



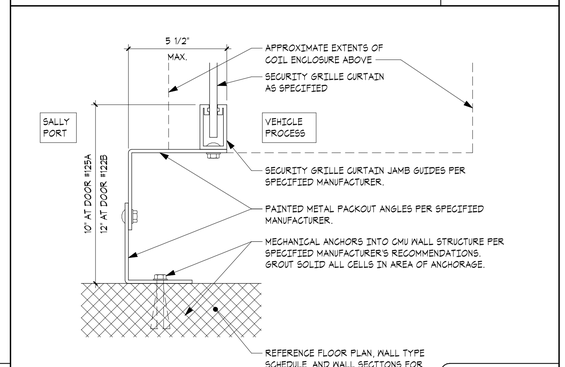
H17



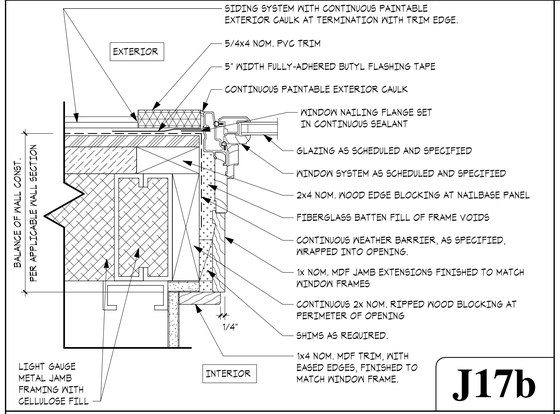
H18



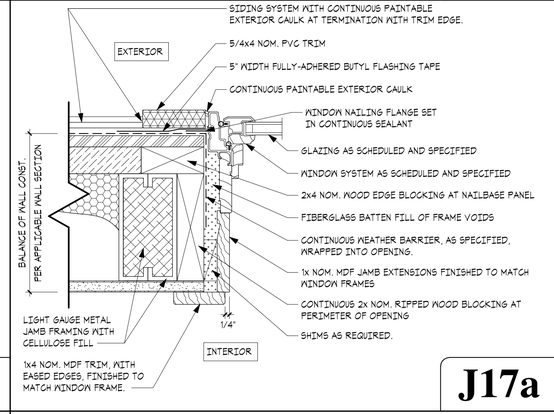
J18



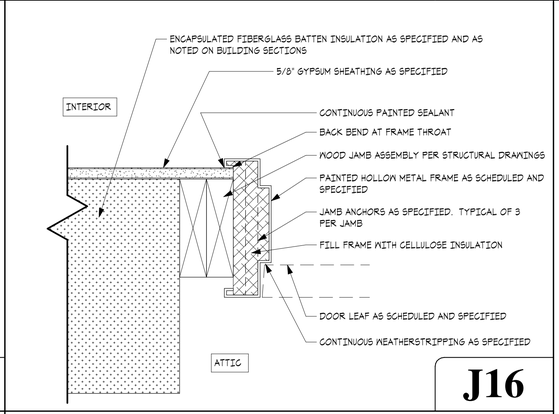
J15



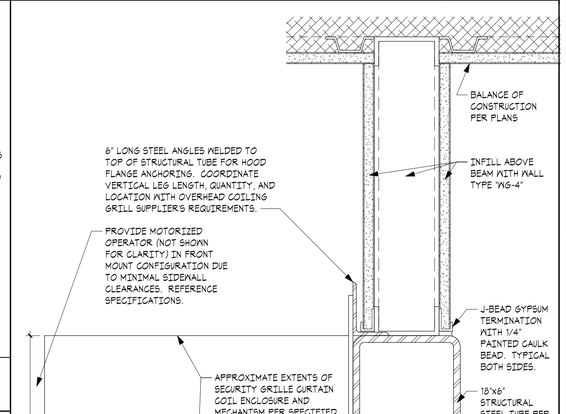
J17b



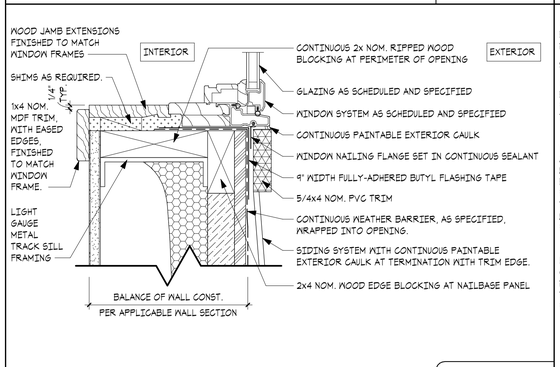
J17a



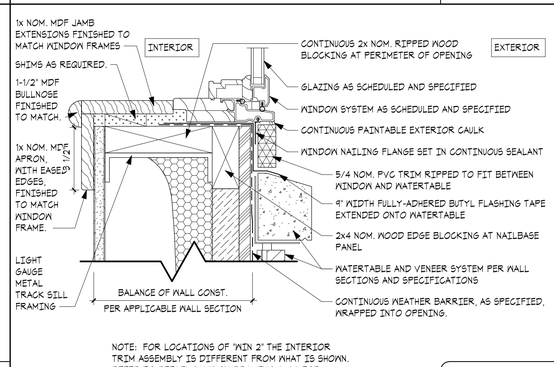
J16



H15

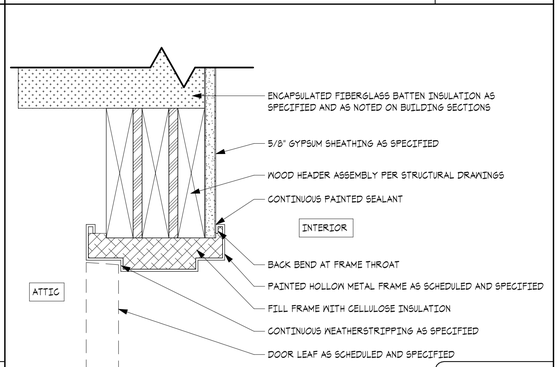


S17b



NOTE: FOR LOCATIONS OF 'WIN 2' THE INTERIOR TRIM ASSEMBLY IS DIFFERENT FROM WHAT IS SHOWN. REFER TO DETAIL 'H22' ON DRAWING A-9.2 FOR ADDITIONAL INFORMATION ON 'WIN 2' LOCATIONS.

S17a



H16

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

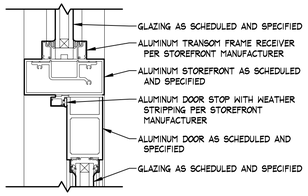
3 CENTER STREET

CARVER, MASSACHUSETTS

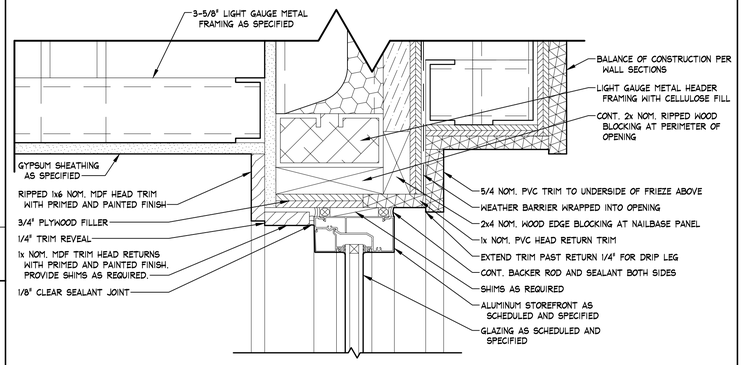
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FRAME DETAILS

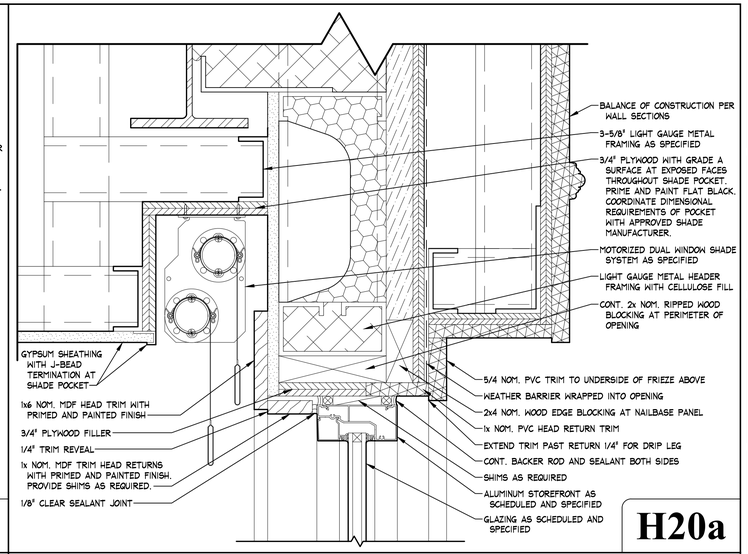
PROJ. NO.	DRAWING NO.
JH1830	A-9.6
SCALE: 3" = 1'-0"	
DATE: OCTOBER 2, 2019	



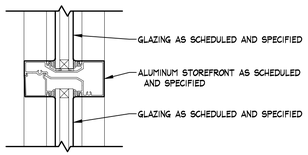
H20c



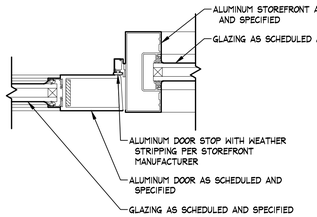
H20b



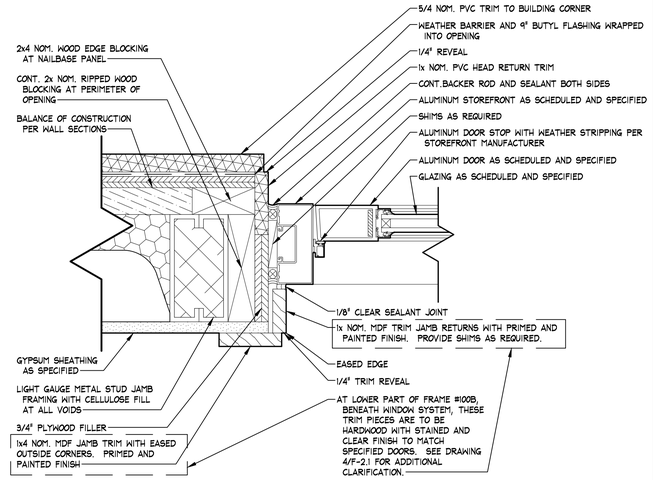
H20a



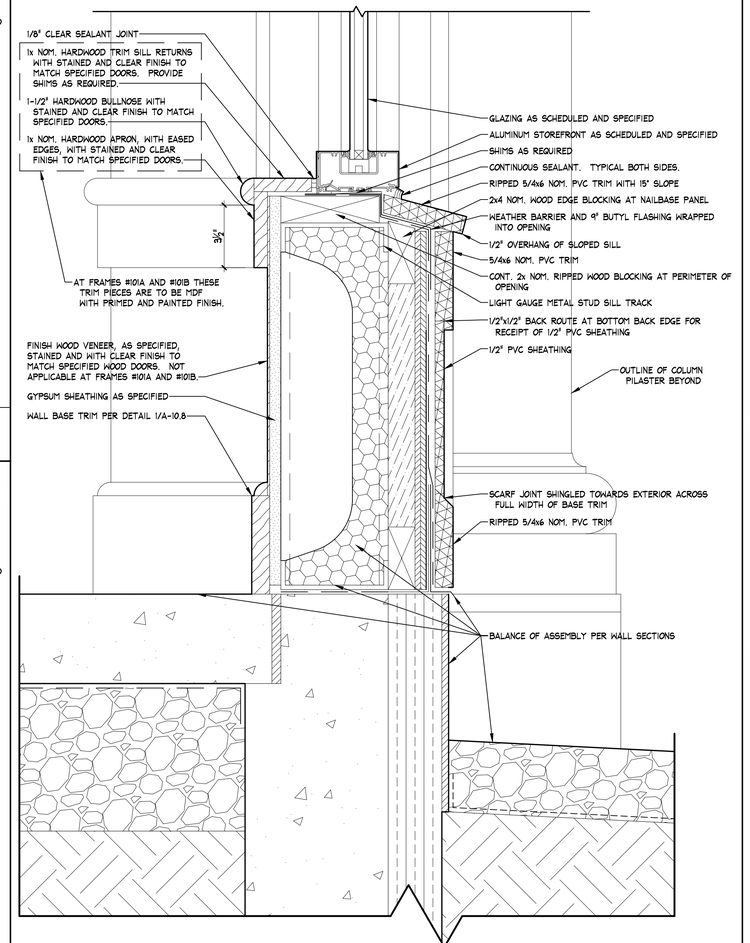
M20



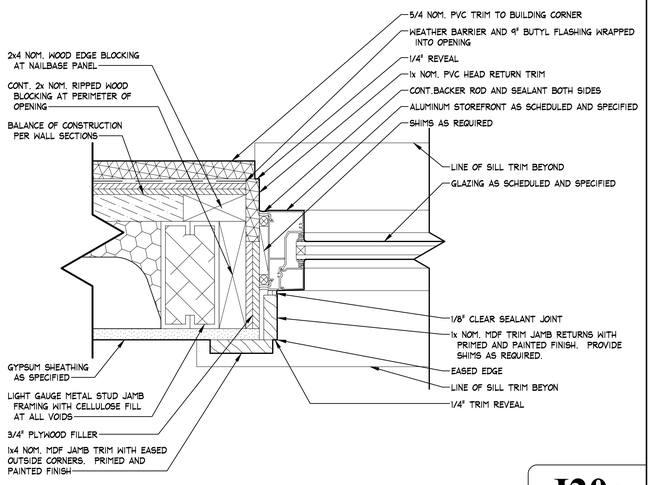
J20d



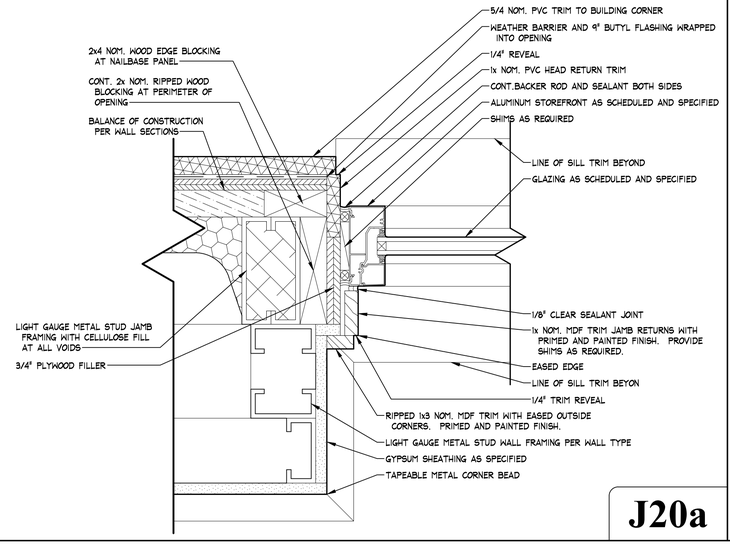
J20b



S20a



J20c



J20a

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

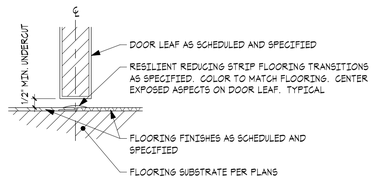
SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

JHI
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

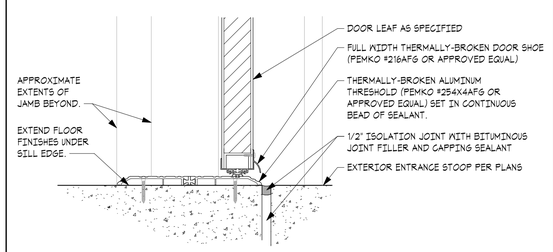
FRAME DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-9.7
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



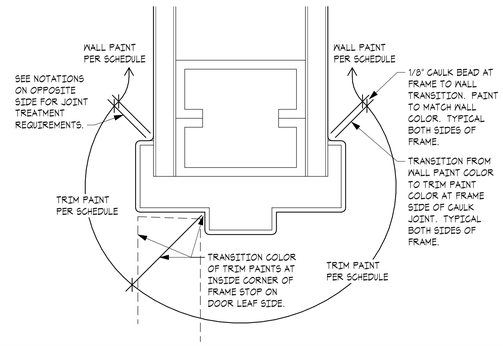
THIS DRAWING IS NOT TO SCALE

RRS



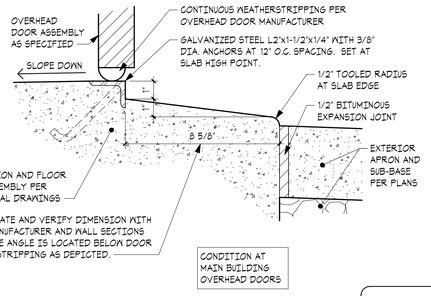
SCALE: 3" = 1'-0"

HMR



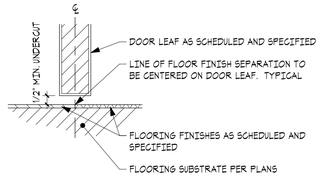
DOOR FRAME PAINT DEMARKATION DETAIL

(DETAIL IS DIAGRAMMATIC IN NATURE AND IS NOT TO SCALE)



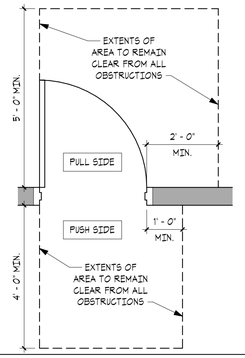
SCALE: 3" = 1'-0"

OHS



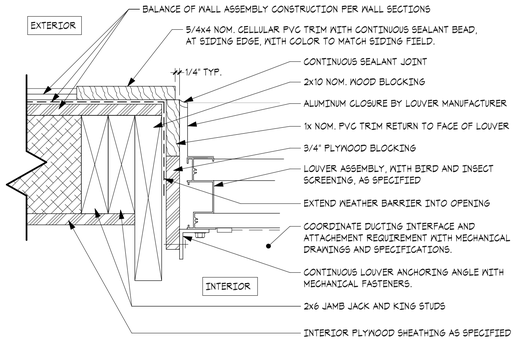
THIS DRAWING IS NOT TO SCALE

FFS

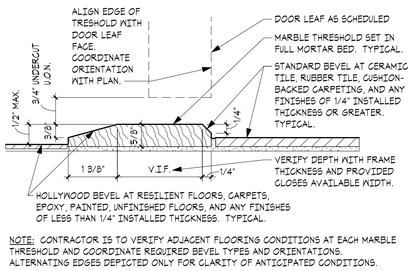


TYPICAL DOOR ADA (ACCESSIBILITY) CLEARANCES

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



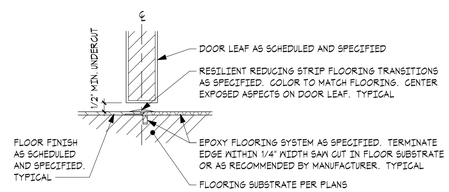
J21



NOTE: CONTRACTOR IS TO VERIFY ADJACENT FLOORING CONDITIONS AT EACH MARBLE THRESHOLD AND COORDINATE REQUIRED BEVEL TYPES AND ORIENTATIONS. ALTERNATING EDGES DEPICTED ONLY FOR CLARITY OF ANTICIPATED CONDITIONS.

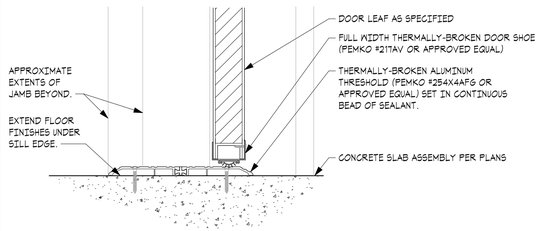
SCALE: 6" = 1'-0"

M.TH.



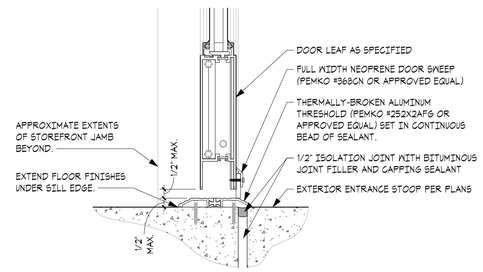
THIS DRAWING IS NOT TO SCALE

EPF



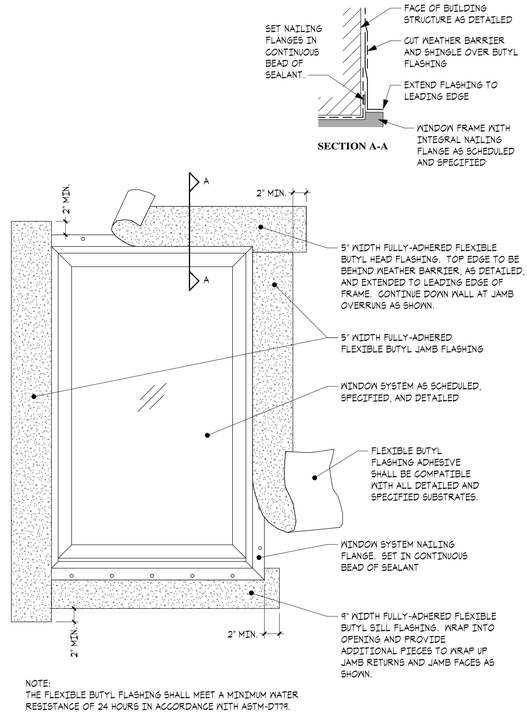
SCALE: 3" = 1'-0"

HMS



SCALE: 3" = 1'-0"

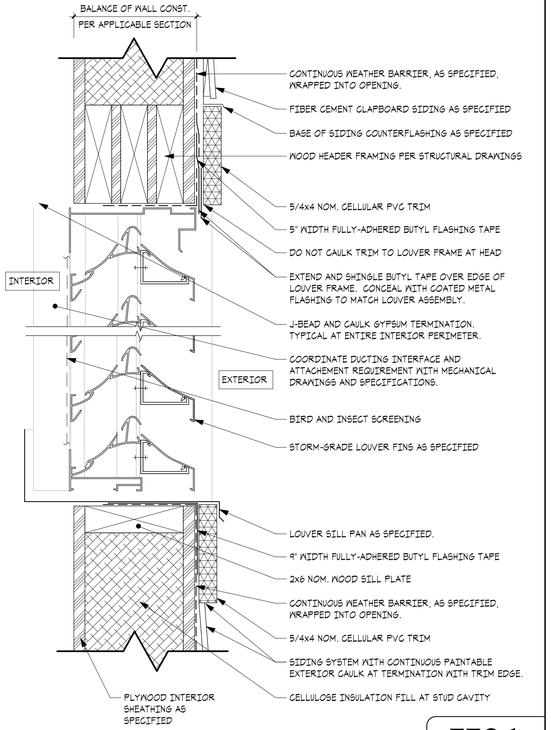
ASF



NOTE:
THE FLEXIBLE BUTYL FLASHING SHALL MEET A MINIMUM WATER RESISTANCE OF 24 HOURS IN ACCORDANCE WITH ASTM-D779.

(DETAILS ARE DIAGRAMMATIC IN NATURE AND ARE NOT TO SCALE)

BUTYL TAPE FLASHING ISOMETRIC DETAIL AT WINDOW NAILING FLANGES



H21

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
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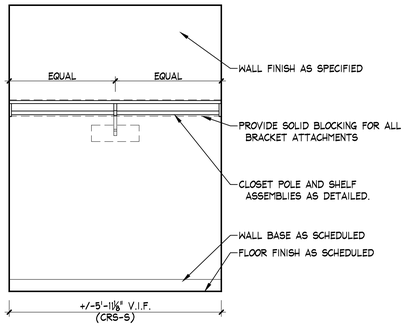
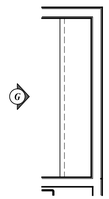
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

LOUVER, THRESHOLD, AND MISC. DOOR AND WINDOW DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-9.8
SCALE: As indicated	
DATE: OCTOBER 2, 2019	

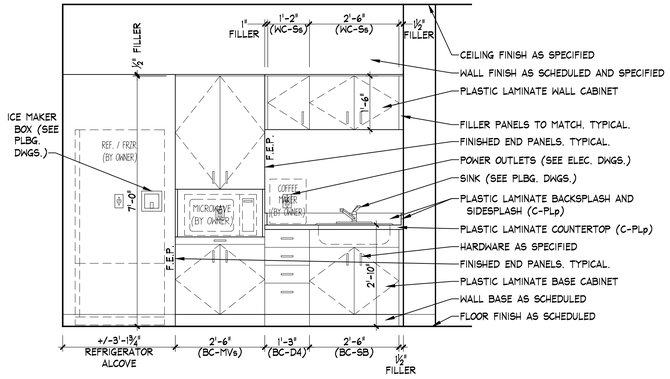




ELEVATION (G)

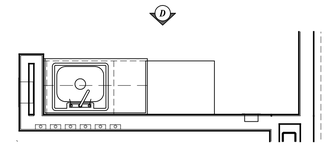
12 CL. #146 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

11 CL. #146 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

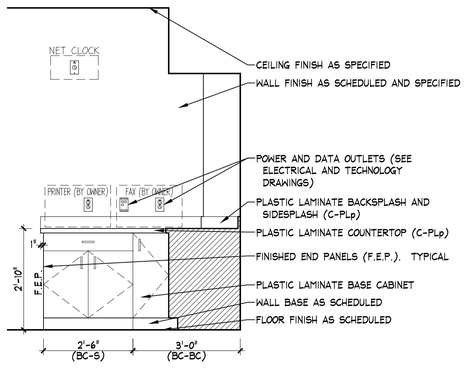


ELEVATION (D)

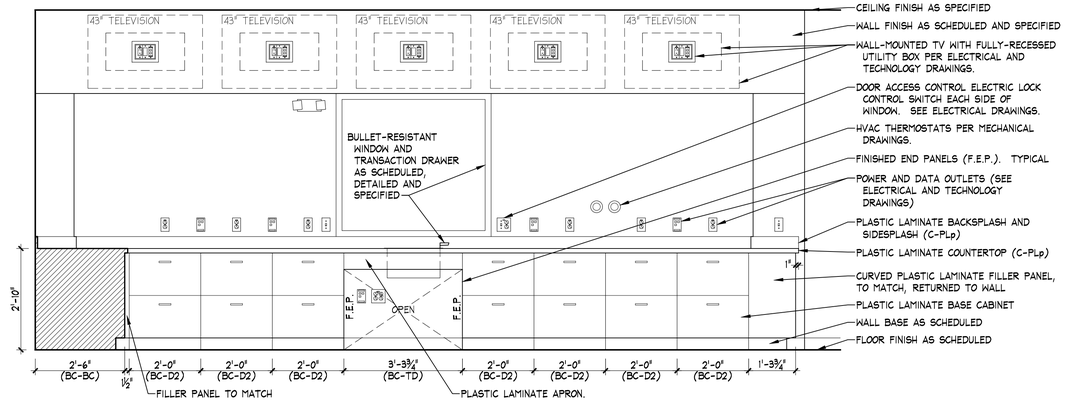
6 BREAK ROOM #111 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"



5 BREAK ROOM #111 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

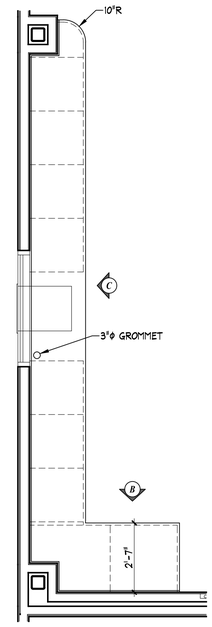


ELEVATION (B)

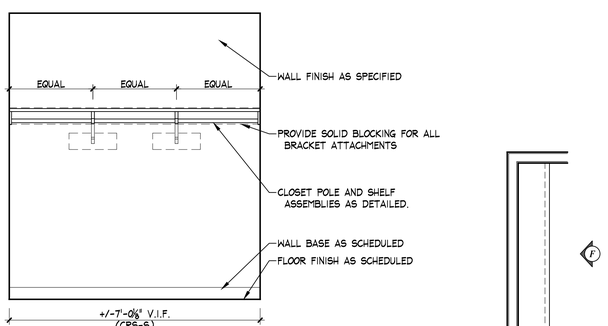


ELEVATION (C)

4 DISPATCH #107 CASEWORK ELEVATIONS
SCALE: 1/2" = 1'-0"



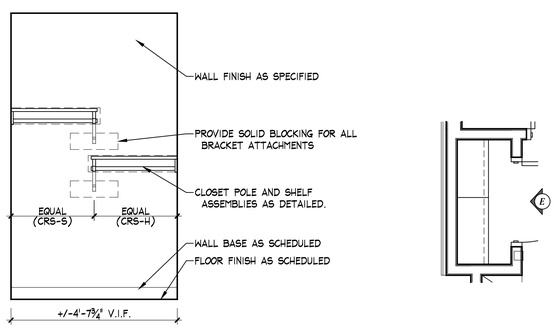
3 DISPATCH #107 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



ELEVATION (F)

10 CL. #144 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

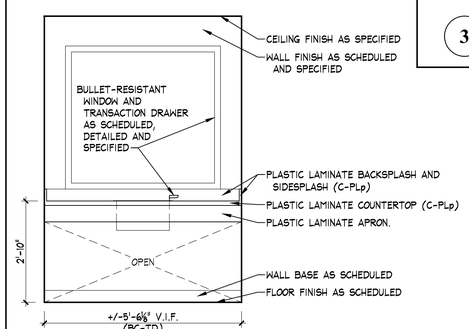
9 CL. #144 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



ELEVATION (E)

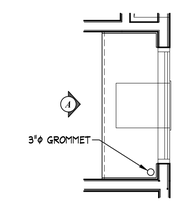
8 CL. #113 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

7 CL. #113 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



ELEVATION (A)

2 RECORDS #104 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"



1 RECORDS #104 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

SUBMISSIONS & REVISIONS		
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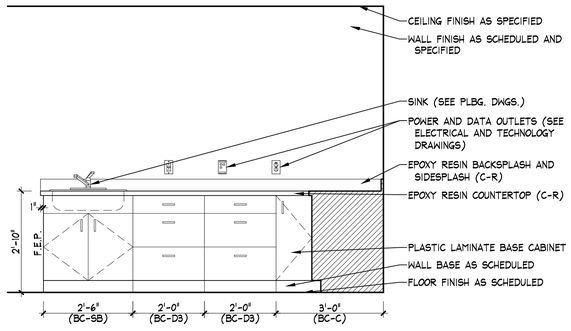
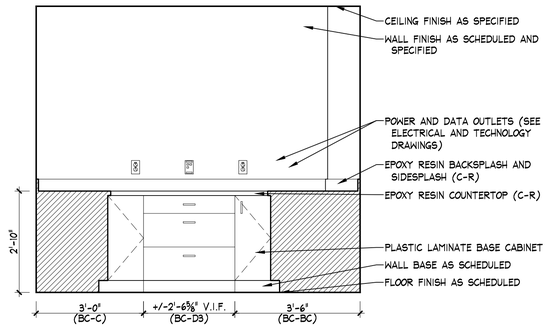
JHI
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CASEWORK ELEVATIONS

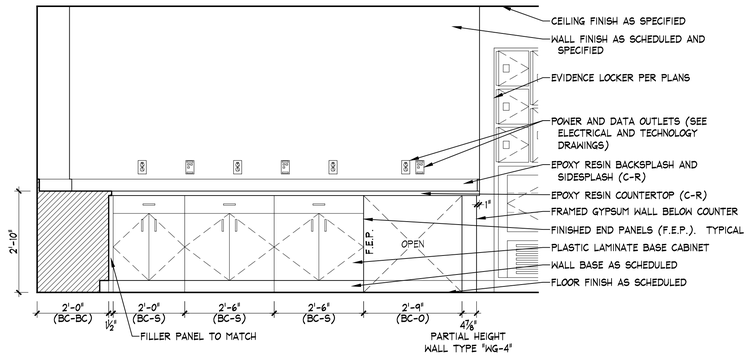
PROJ. NO.	DRAWING NO.
JH1830	A-10.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



ELEVATION (L)

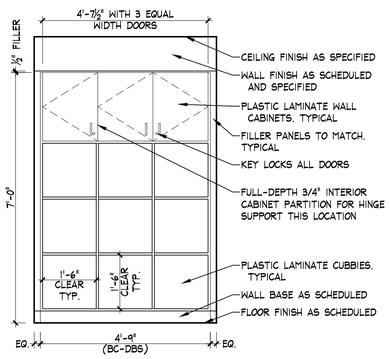


ELEVATION (K)

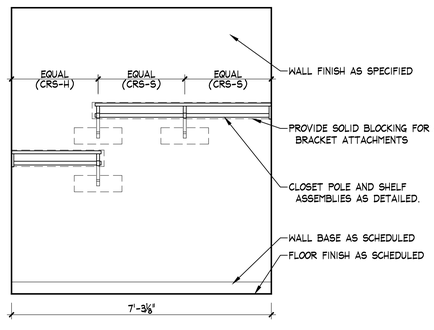


ELEVATION (J)

4 EVID. PROC. #128 CASEWORK ELEVATIONS
SCALE: 1/2" = 1'-0"

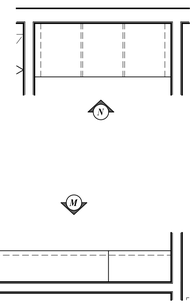


ELEVATION (N)

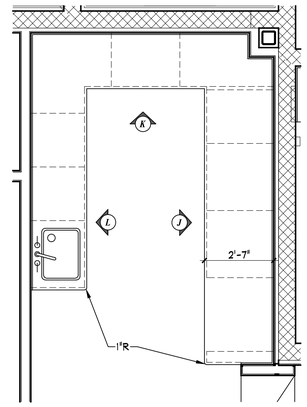


ELEVATION (M)

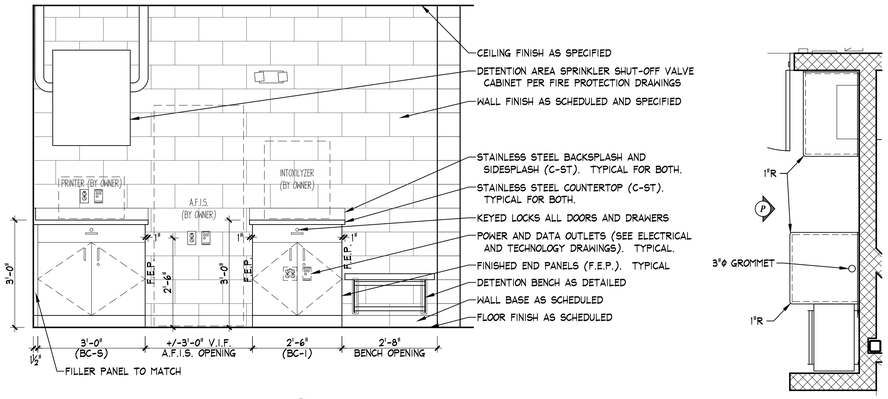
6 MED. #138 CASEWORK ELEVATIONS
SCALE: 1/2" = 1'-0"



5 MED. #138 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



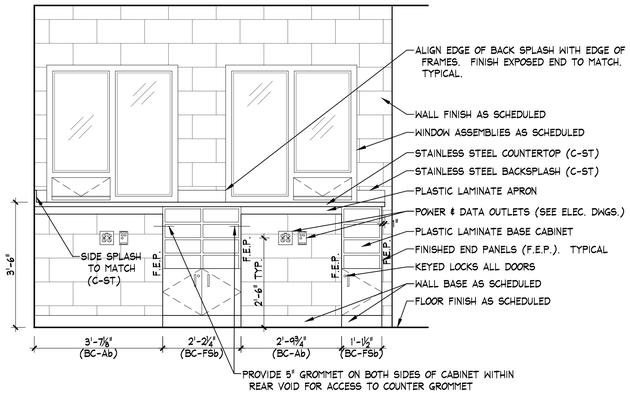
3 EVID. PROC. #128 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



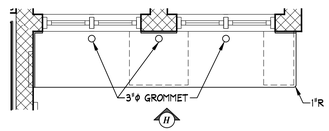
ELEVATION (P)

8 PRIS. PROC. #122 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

7 PRIS. PROC. #122 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



ELEVATION (H)



2 PRIS. PROC. #122 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

1 PRIS. PROC. #122 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

SUBMISSIONS & REVISIONS		
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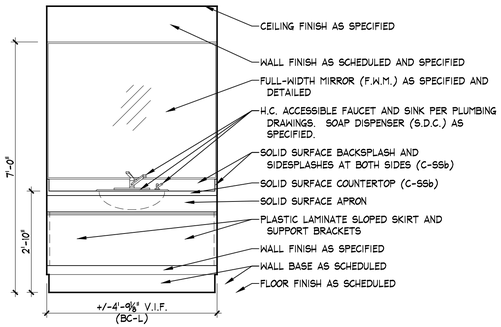
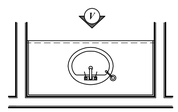
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CASEWORK ELEVATIONS

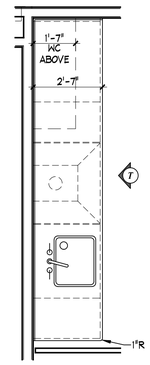
PROJ. NO. JH1830	DRAWING NO. A-10.2
SCALE As Noted	
DATE OCTOBER 2, 2019	





ELEVATION (V)

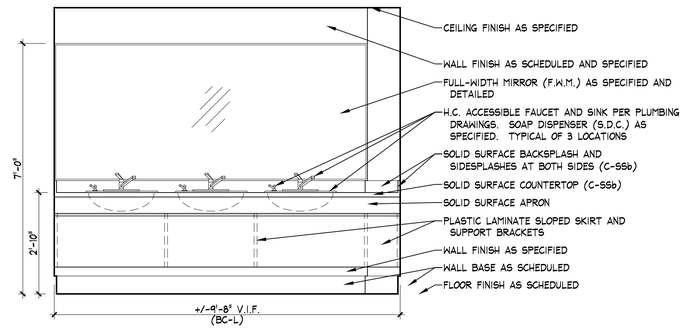
10 WOMEN'S LOCKERS #159 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

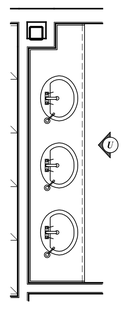


ELEVATION (T)

6 GUN CLEAN #151 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

5 GUN CLEAN #151 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

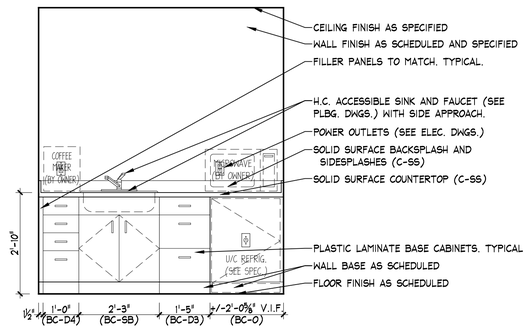


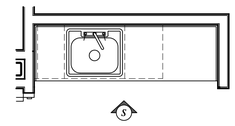


ELEVATION (U)

8 MEN'S TOILET #155 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

7 MEN'S TOILET #155 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

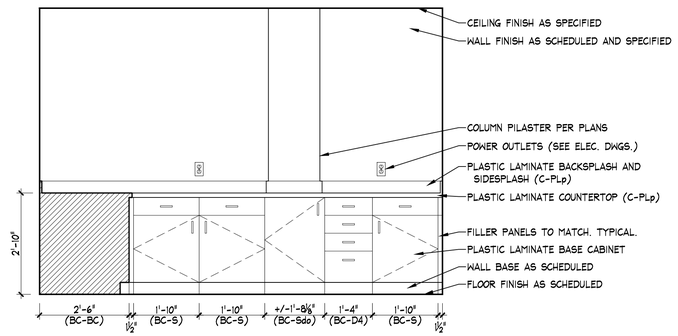




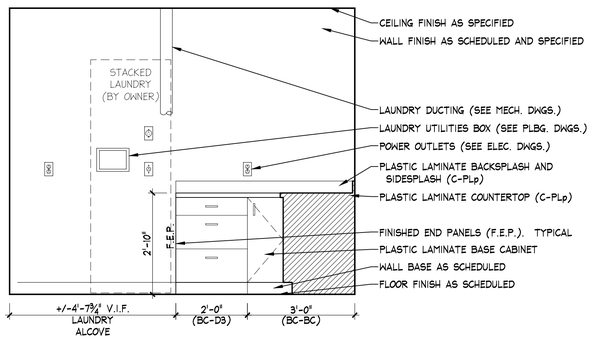
ELEVATION (S)

4 HALL #148 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

3 HALL #148 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

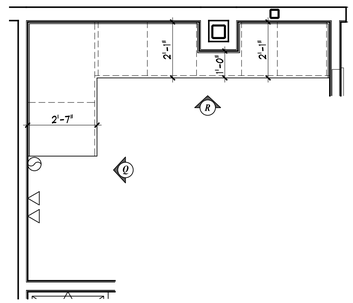


ELEVATION (R)



ELEVATION (Q)

2 LAUN. #140 CASEWORK ELEVATIONS
SCALE: 1/2" = 1'-0"



1 LAUN. #140 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

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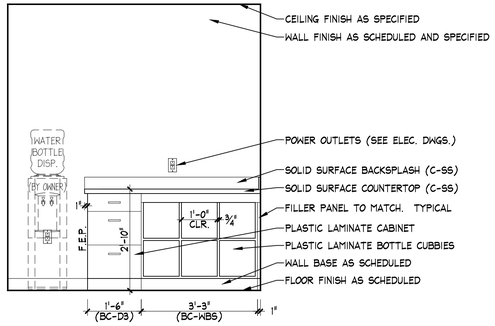
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

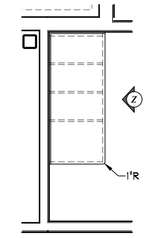
CASEWORK ELEVATIONS

PROJ. NO.	DRAWING NO.
JH1830	A-10.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

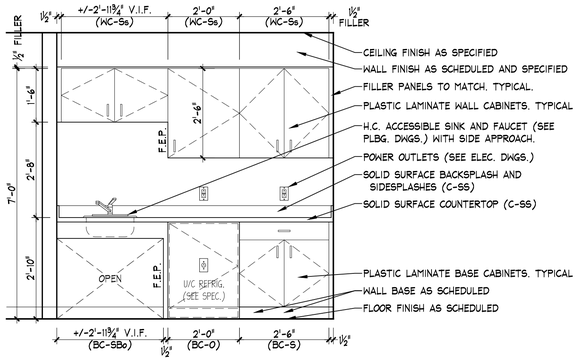


ELEVATION (Z)

6 DAY ROOM #164 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

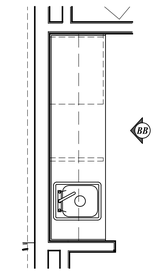


5 DAY ROOM #164 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

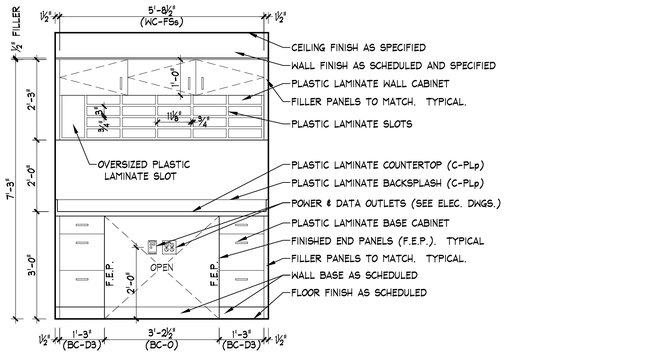


ELEVATION (BB)

10 TRAINING CLASSROOM #100 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

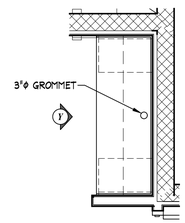


9 TRAINING CLASSROOM #100 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

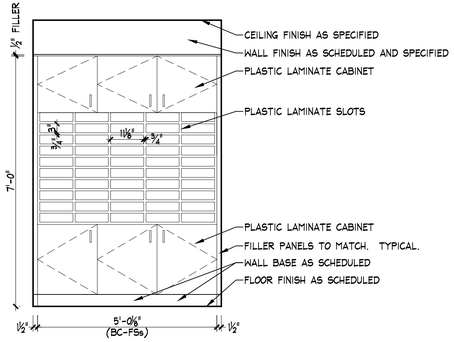


ELEVATION (Y)

4 CORR. #131 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

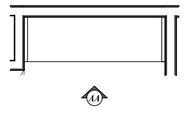


3 CORR. #131 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

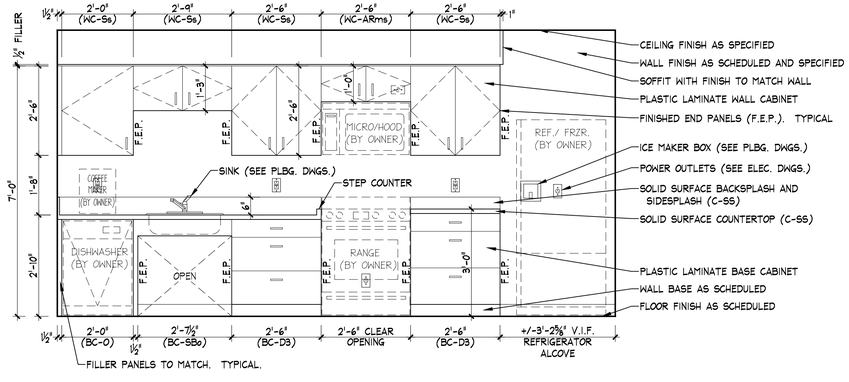


ELEVATION (AA)

8 MAIL #136 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"

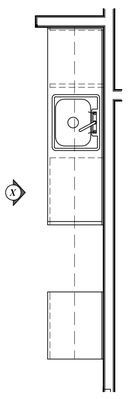


7 MAIL #136 CASEWORK PLAN
SCALE: 3/8" = 1'-0"



ELEVATION (X)

2 DAY ROOM #164 CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"



1 DAY ROOM #164 CASEWORK PLAN
SCALE: 3/8" = 1'-0"

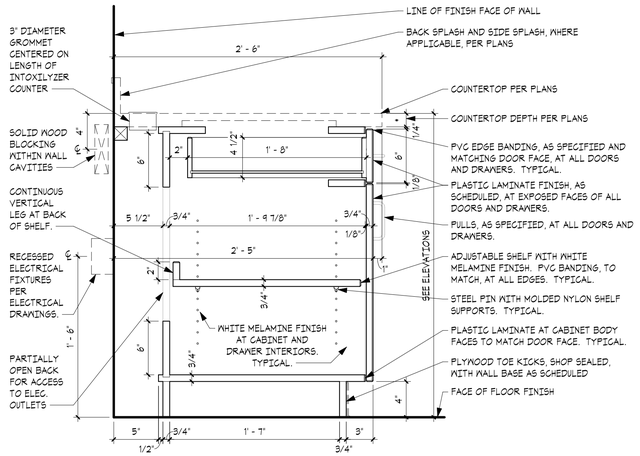
SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

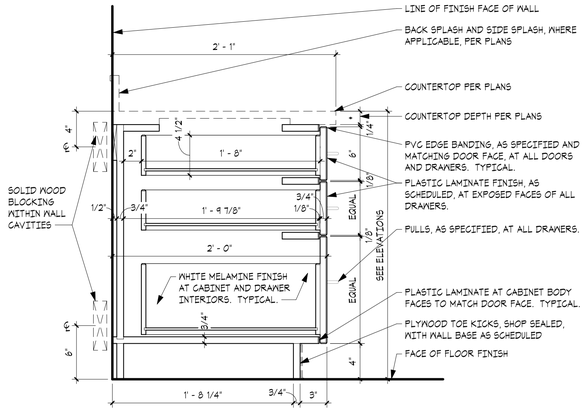
CASEWORK ELEVATIONS

PROJ. NO.	DRAWING NO.
JH1830	A-10.4
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



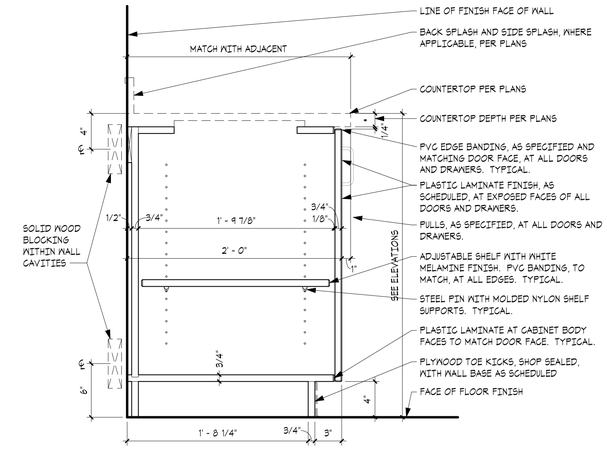
SECTION "BC-I"

INTOXILYZER BASE CABINET (EXTRA DEPTH, DOOR AND DRAWER)



SECTION "BC-D3"

BASE CABINET (3 DRAWERS)



SECTION "BC-BC"

CORNER BASE CABINET (BLIND CORNER)

SECTION "BC-FSb"

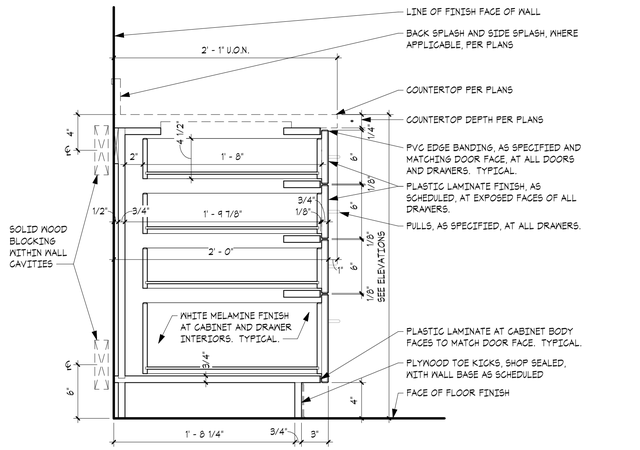
FILE STORAGE - BOOKING (FORM SLOTS, DOOR)

SECTION "BC-D2"

BASE CABINET (2 DRAWERS)

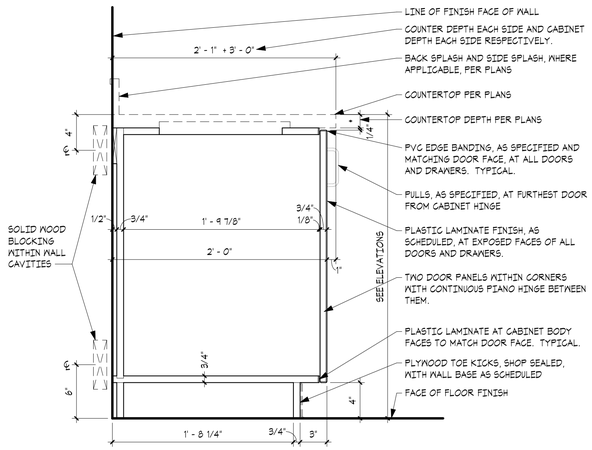
SECTION "BC-Ab"

COUNTER WITH APRON - BOOKING (OPEN BELOW)



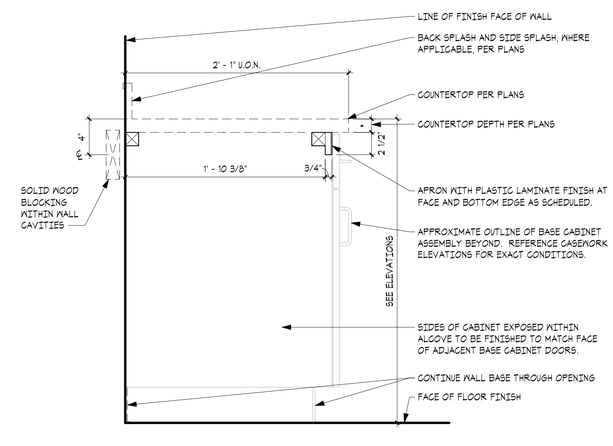
SECTION "BC-D4"

BASE CABINET (4 DRAWERS)



SECTION "BC-C"

CORNER BASE CABINET



SECTION "BC-A"

COUNTER WITH APRON (OPEN BELOW)

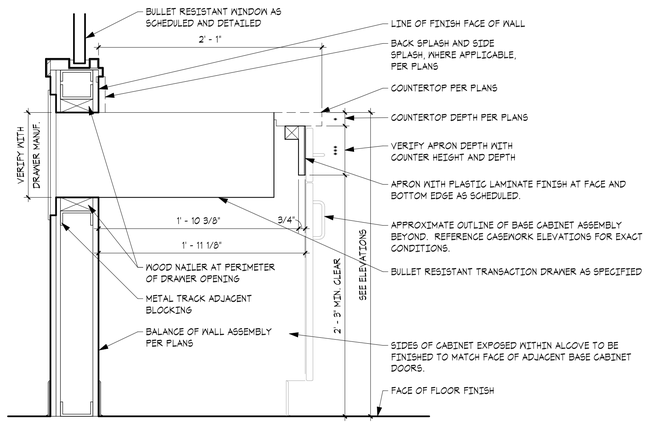
SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

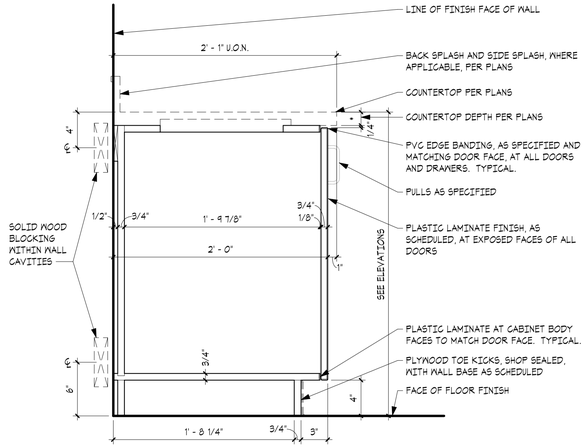
CASEWORK SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-10.5
SCALE: 1 1/2" = 1'-0"	
DATE: OCTOBER 2, 2019	



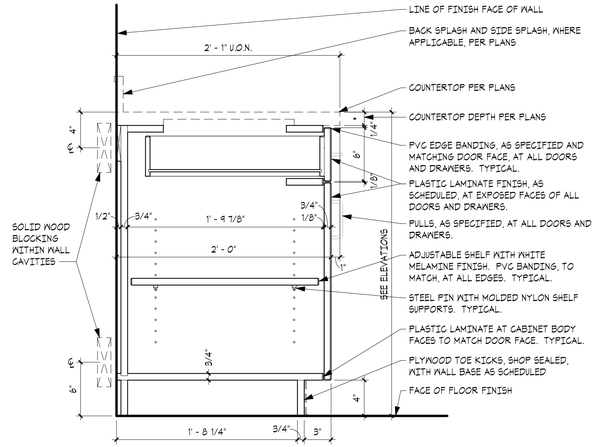
SECTION "BC-TD"

TRANSACTION DRAWER AND COUNTER (OPEN BELOW)



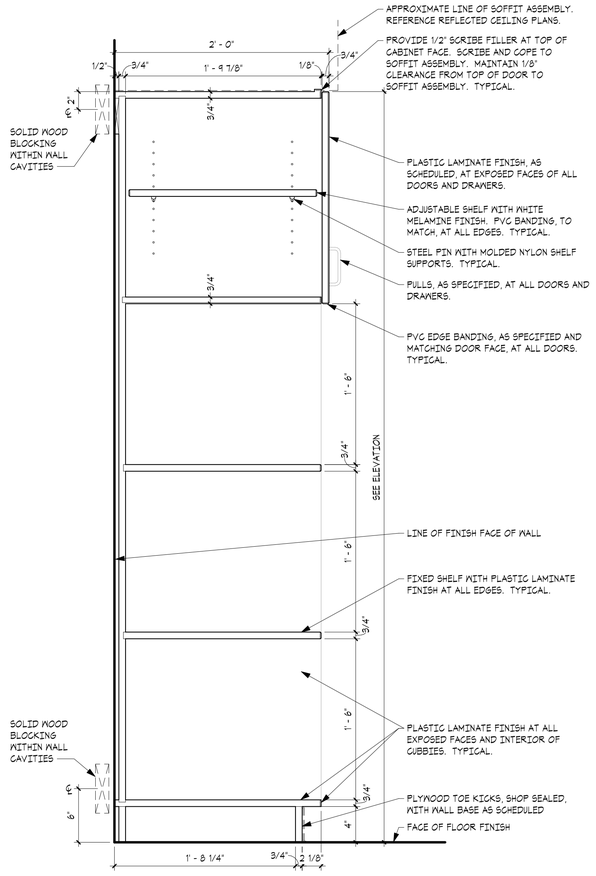
SECTION "BC-Sdo"

BASE CABINET (DOOR ONLY)



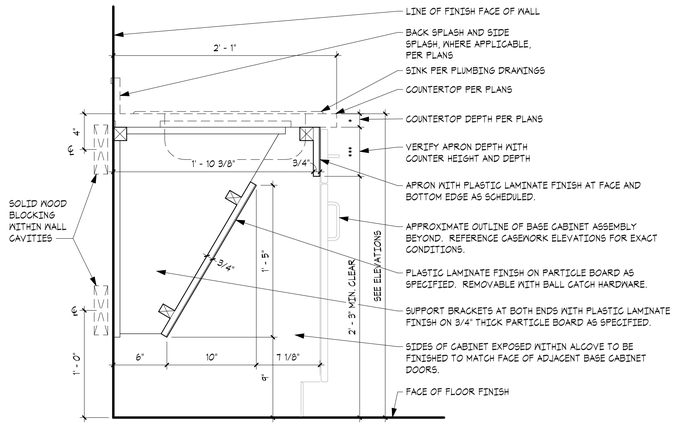
SECTION "BC-S"

BASE CABINET (DOOR AND DRAWER)



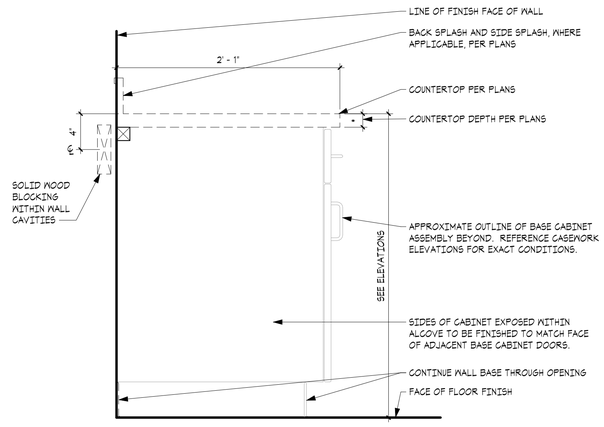
SECTION "BC-DBS"

DUTY BAG CUBBIES - OPEN FRONT (WITH STORAGE CABINET ABOVE)



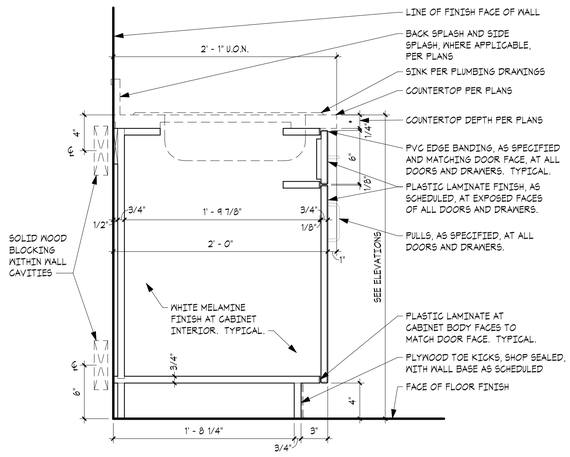
SECTION "BC-SBo"

SINK COUNTER (OPEN BELOW)



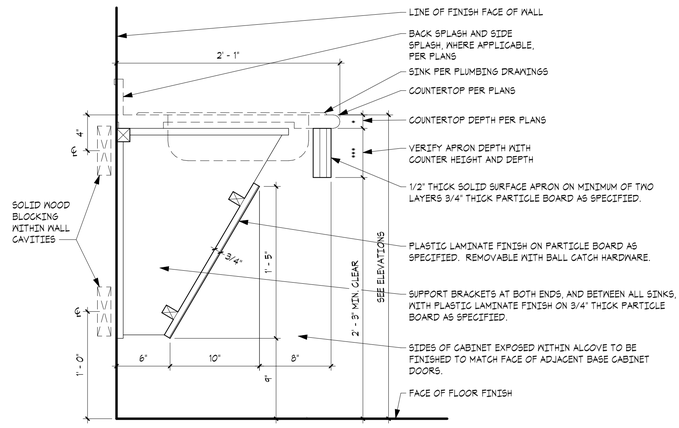
SECTION "BC-O"

COUNTER (OPEN BELOW)



SECTION "BC-SB"

SINK BASE CABINET (DOOR AND FIXED DRAWER)



SECTION "BC-L"

LAVATORY COUNTER (OPEN BELOW)

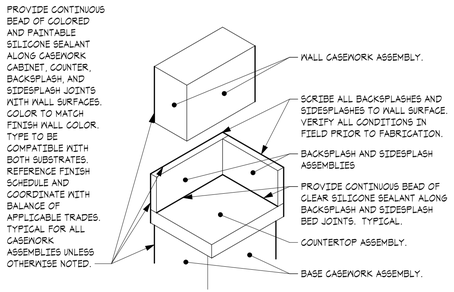
SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

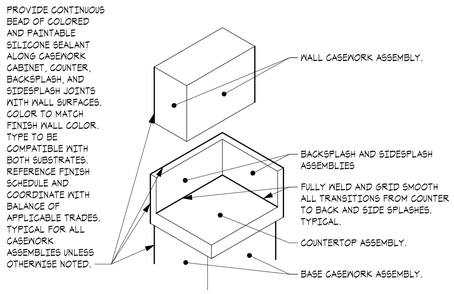
CASEWORK SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-10.6
SCALE: 1 1/2" = 1'-0"	
DATE: OCTOBER 2, 2019	



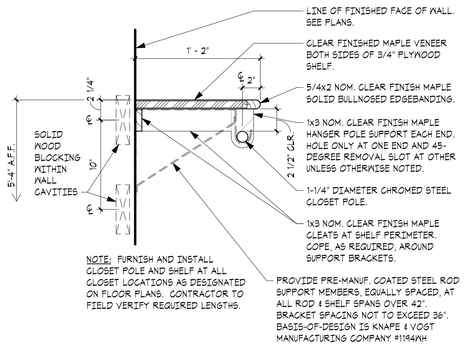
CASEWORK EDGE TREATMENTS

TYPICAL ALL CASEWORK ASSEMBLIES



CASEWORK EDGE TREATMENTS

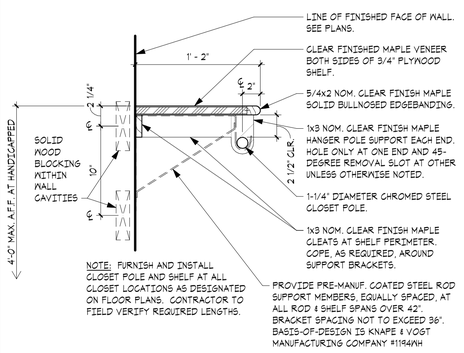
TYPICAL ALL DETENTION AREA CASEWORK ASSEMBLIES



NOTE: FURNISH AND INSTALL CLOSET POLE AND SHELF AT ALL CLOSET LOCATIONS AS DESIGNATED ON FLOOR PLANS. CONTRACTOR TO FIELD VERIFY REQUIRED LENGTHS.

SECTION "CRS-S"

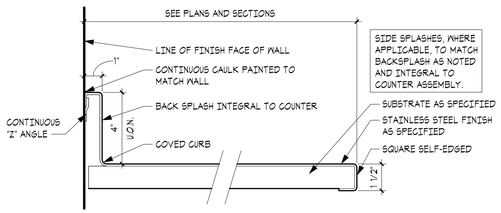
CLOSET ROD & SHELF - STANDARD NON-ACCESSIBLE



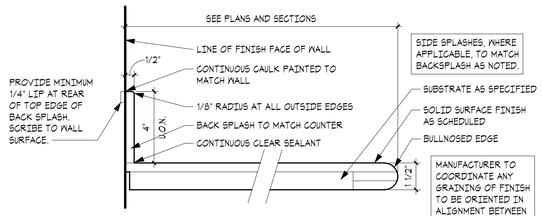
NOTE: FURNISH AND INSTALL CLOSET POLE AND SHELF AT ALL CLOSET LOCATIONS AS DESIGNATED ON FLOOR PLANS. CONTRACTOR TO FIELD VERIFY REQUIRED LENGTHS.

SECTION "CRS-H"

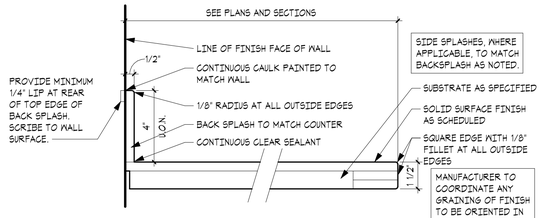
CLOSET ROD & SHELF - HANDICAPPED ACCESSIBLE



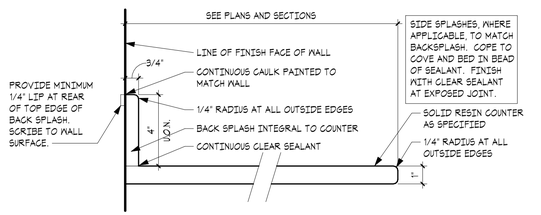
COUNTER SECTION "C-ST"



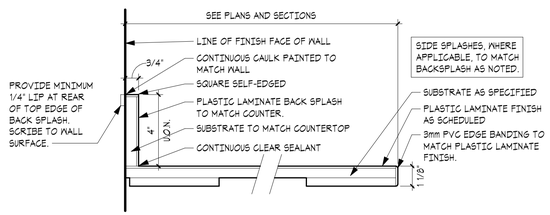
COUNTER SECTION "C-SSb"



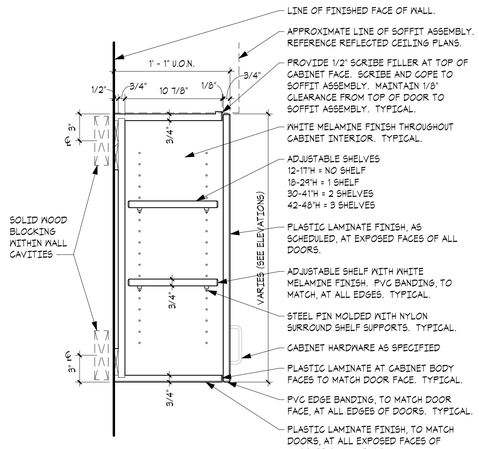
COUNTER SECTION "C-SS"



COUNTER SECTION "C-R"

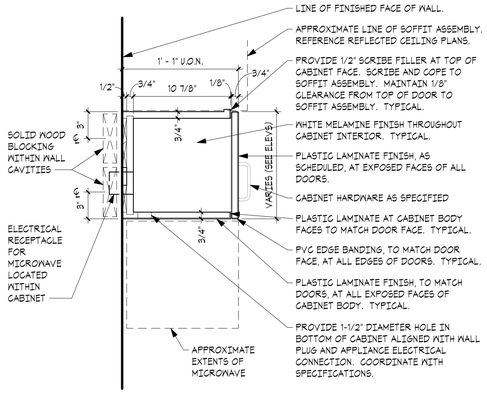


COUNTER SECTION "C-PLp"



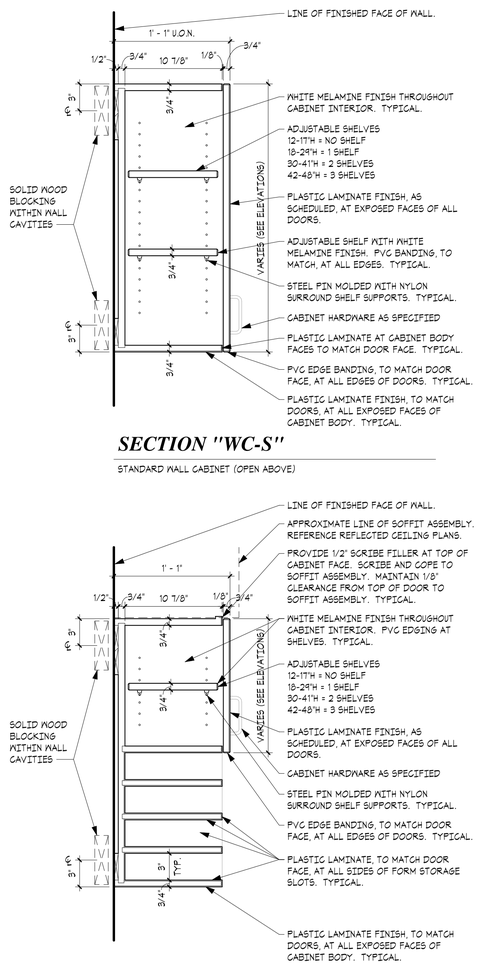
SECTION "WC-Ss"

STANDARD WALL CABINET (WITH SOFFIT ABOVE)



SECTION "WC-ARms"

ABOVE RANGE WALL CABINET (WITH SOFFIT ABOVE)

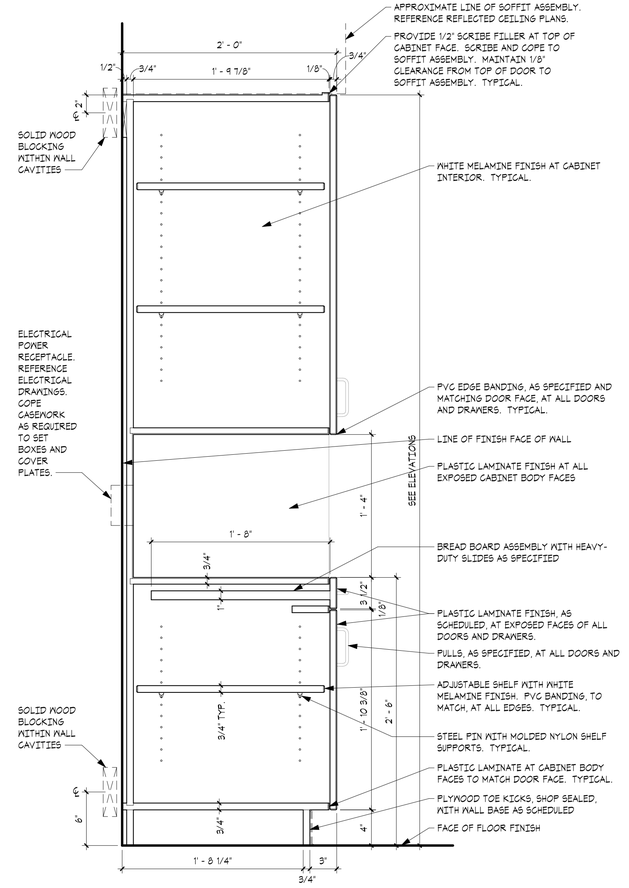


SECTION "WC-S"

STANDARD WALL CABINET (OPEN ABOVE)

SECTION "WC-FSs"

WALL CABINET (FORM STORAGE, SOFFIT ABOVE)



SECTION "BC-MVs"

FULL-HEIGHT CABINET (SINGLE MICROWAVE ALCOVE AND BREAD BOARD)

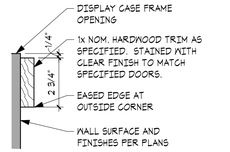
SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

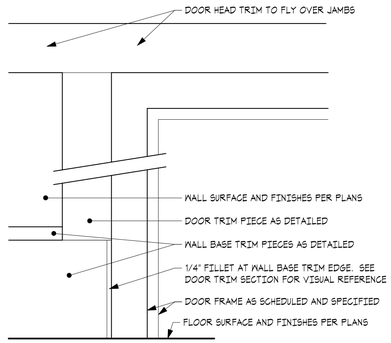
JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CASEWORK SECTIONS

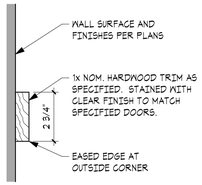
PROJ. NO.	DRAWING NO.
JH1830	A-10.7
SCALE: As indicated	
DATE: OCTOBER 2, 2019	



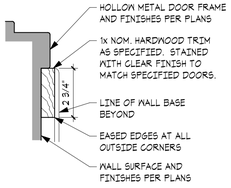
DISPLAY CASE TRIM SECTION



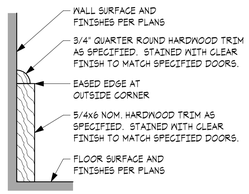
ELEVATION OF TRIM TRANSITION AT DOOR FRAME



WALL RAIL TRIM SECTION

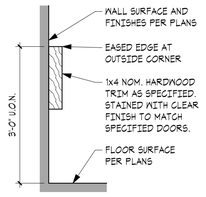


DOOR FRAME TRIM SECTION

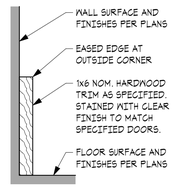


WALL BASE TRIM SECTION

3 DETAIL - WOOD TRIM AT LOBBY #106
SCALE: 3" = 1'-0"

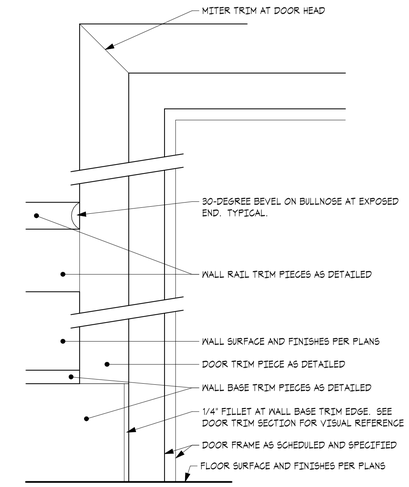


4 DETAIL - WOOD CRASH RAIL
SCALE: 3" = 1'-0"

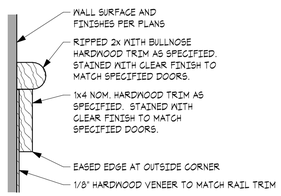


2 DETAIL - WOOD WALL BASE TRIM
SCALE: 3" = 1'-0"

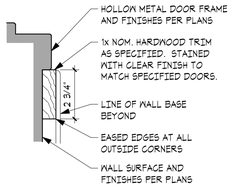
NOTE: REFERENCE DRAWINGS F-2.1 AND F-2.2 FOR EXTENTS OF HARDWOOD TRIM INSTALLATIONS. TYPICAL.



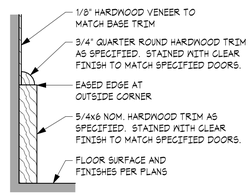
ELEVATION OF TRIM TRANSITION AT DOOR FRAME



WALL RAIL TRIM SECTION

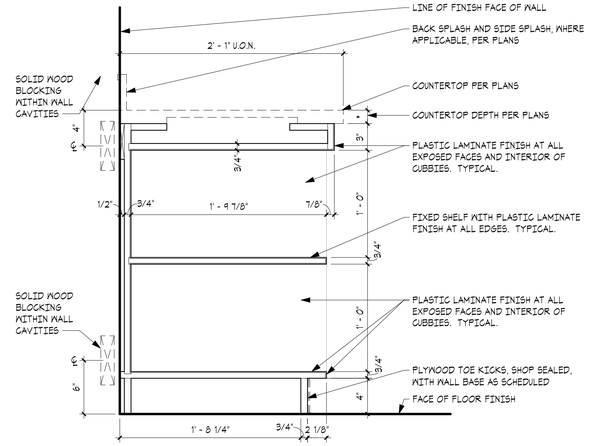


DOOR FRAME TRIM SECTION



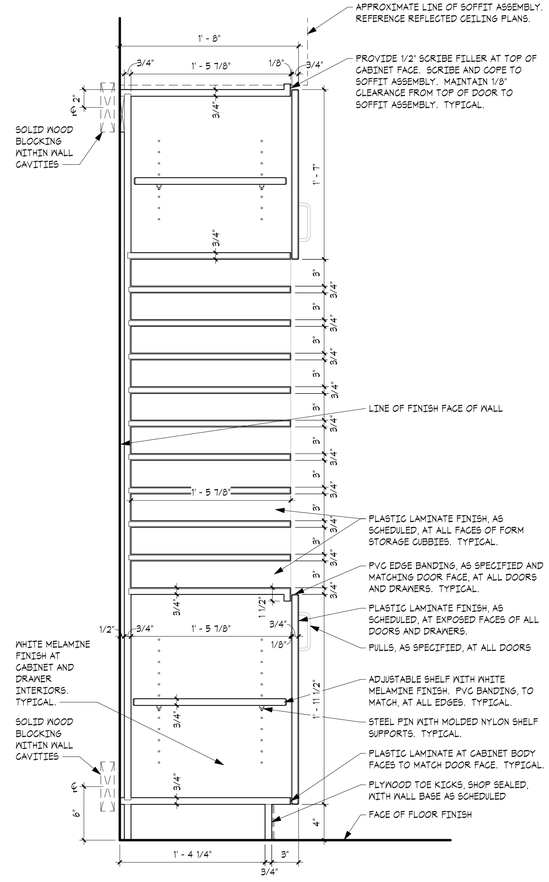
WALL BASE TRIM SECTION

1 DETAIL - WOOD TRIM AT TRAINING CLASSROOM #100
SCALE: 3" = 1'-0"



SECTION "BC-WBS"

WATER BOTTLE CUBBIES - OPEN FRONT (WITH COUNTERTOP ABOVE)



SECTION "BC-FSs"

FILE STORAGE - (FORM SLOTS, CABINETS ABOVE AND BELOW, SOFFIT ABOVE)

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET — CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
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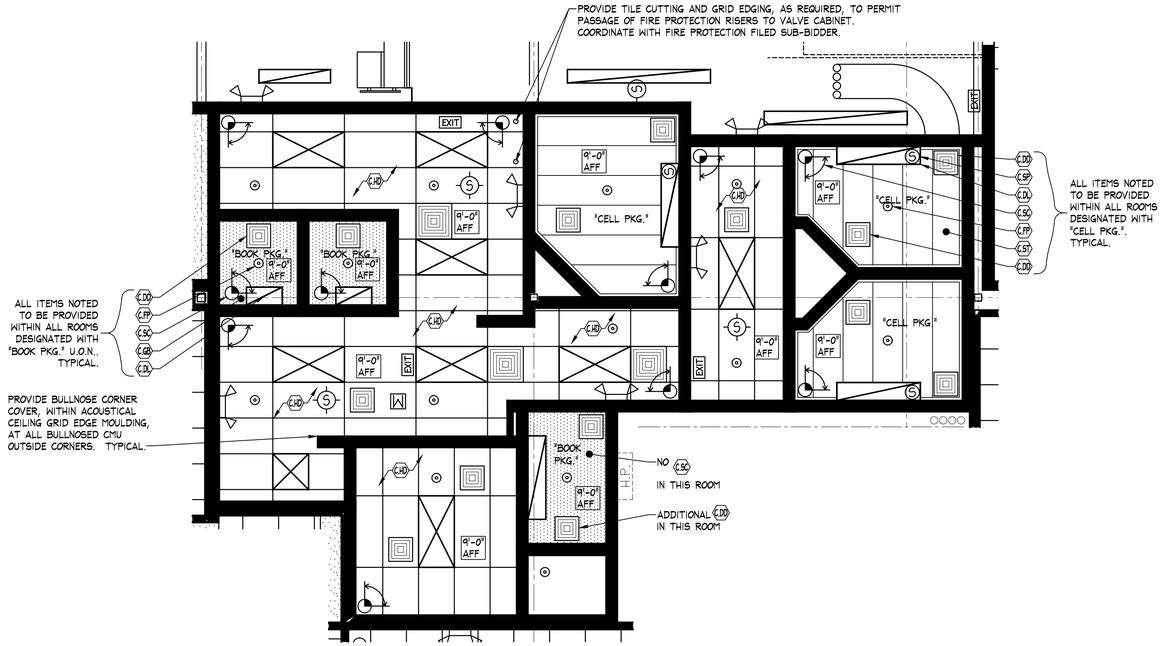
FAX 860-828-9223

CASEWORK AND MILLWORK SECTIONS

PROJ. NO.	DRAWING NO.
JH1830	A-10.8
SCALE: As indicated	
DATE: OCTOBER 2, 2019	

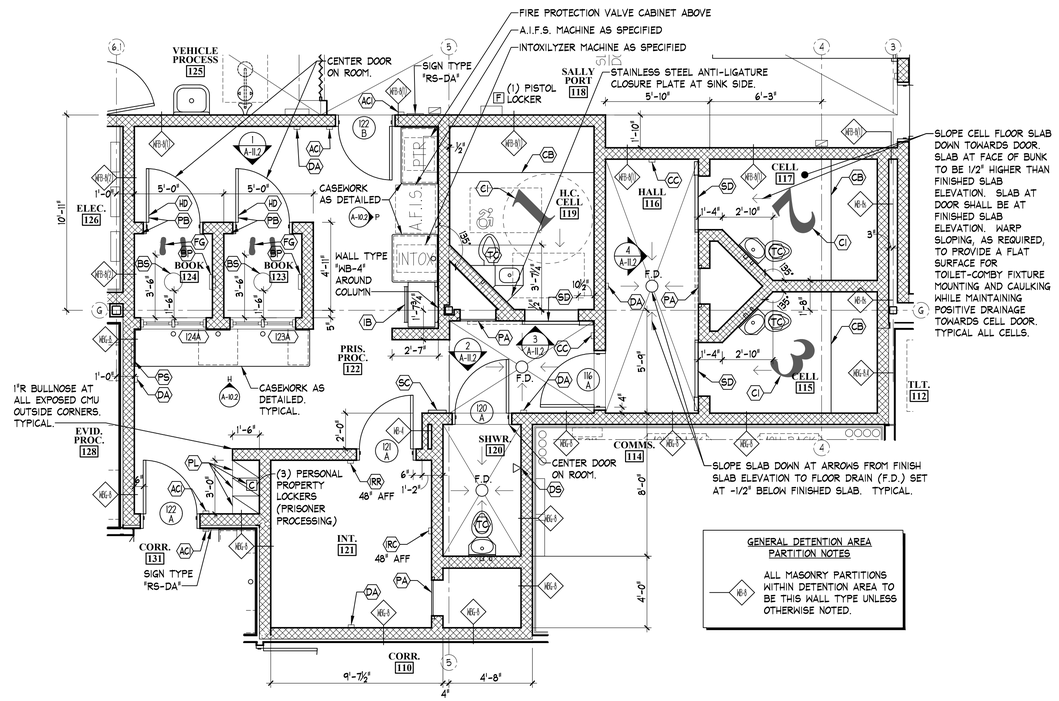


0 2' 4' 8'

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

2 LARGE SCALE DETENTION AREA REFLECTED CEILING PLAN

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



0 2' 4' 8'

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

1 LARGE SCALE DETENTION AREA FLOOR PLAN

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

CEILING PLAN LEGEND

- 2X4 SUSPENDED ACOUSTICAL CEILING TILE WITH HEIGHT INDICATOR
- 2X2 SUSPENDED ACOUSTICAL CEILING TILE WITH HEIGHT INDICATOR
- STEEL CELL CEILING WITH HEIGHT INDICATOR. SEE DETAIL
- GYPSUM SECURITY CEILING WITH HEIGHT INDICATOR. SEE DETAIL
- RECESSED CEILING LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- SURFACE MOUNTED LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- DIFFUSER, SEE MECHANICAL DWGS.
- SPEAKER
- EXIT SIGNAGE, SEE ELEC. DWGS.
- CCTV CAMERA, SEE ELEC. DWGS.
- SPRINKLER HEAD, SEE FIRE PROTECTION DRAWINGS.
- HEAT AND/OR SMOKE DETECTOR, SEE ELECTRICAL DWGS.

NOTE:
1. SEE CODE PLAN FOR LOCATIONS OF ALL RATED CONSTRUCTION, TYPICAL.
2. COORDINATE ALL LIGHTING QUANTITIES AND LOCATIONS WITH THE ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN CEILING AND ELECTRICAL, MECHANICAL, AND/OR FIRE PROTECTION DRAWINGS TO THE ARCHITECT IMMEDIATELY. TYPICAL.

DETENTION AREA PLAN KEY LEGEND

- (DD) CEILING - DETENTION DIFFUSER - SEE DETAILS
- (DL) CEILING - VANDAL RESISTANT LIGHT FIXTURE WITH INTERCOM HOUSING - SEE ELECTRICAL DRAWINGS.
- (FP) CEILING - INSTITUTIONAL SPRINKLER HEAD. SEE FIRE PROTECTION DRAWINGS.
- (GB) CEILING - GYPSUM SECURITY CEILING ASSEMBLY - SEE DETAIL
- (HD) CEILING - INSTALL HOLD-DOWN CLIPS THROUGHOUT ACOUSTICAL CEILING TILE AND GRID ASSEMBLY
- (SK) CEILING - CEILING MOUNTED CCTV CAMERA - SEE DETAILS.
- (SP) CEILING - LIGHT FIXTURE MOUNTED 2-WAY INTERCOM SPEAKER - SEE SPECIFICATIONS
- (ST) CEILING - STEEL CELL CEILING ASSEMBLY - SEE DETAIL
- (ACK) ACCESS CONTROL KEYPAD - SEE ACCESS CONTROL PLAN AND SPECIFICATIONS
- (ACR) ACCESS CONTROL READER - SEE ACCESS CONTROL PLAN AND SPECIFICATIONS
- (BP) BOOKING PHONE - SEE DETAIL AND SPECIFICATIONS
- (BS) BOOKING STOOL CENTERED ON ROOM - SEE DETAIL
- (CB) CELL BUNK FOR FULL WIDTH OF CELL - SEE DETAIL
- (CC) CELL CHECK READER - SEE ACCESS CONTROL PLAN AND SPECIFICATIONS
- (CI) 30" HEIGHT CELL IDENTIFICATION NUMBER, ALIGNED TO CELL CAMERA, IN EPOXY FLOORING WITH CONTRASTING COLOR BENEATH TOP COAT.
- (DS) DETENTION-GRADE SHOWER DIVERTER AND HEAD - SEE PLUMBING DRAWINGS AND SPECIFICATIONS
- (FG) FOOTPRINT GRAPHIC (SEE DETAIL) CENTERED ON DOOR
- (HD) HINGED BOOKING DOOR - SEE DETAIL
- (IB) INTOXILYZER BENCH - SEE DETAIL
- (RC) IN-ROOM RECORDING CAMERA - SEE INFORMATION TECHNOLOGY PLAN AND SPECIFICATIONS
- (RR) IN-ROOM RECORDING SWITCH - SEE INFORMATION TECHNOLOGY PLAN AND SPECIFICATIONS
- (PA) PLUMBING ACCESS PANEL WITH LOCK - SEE DETAIL
- (PB) PHOTOGRAPH BACKER - ENTIRE WALL, DOOR FRAME, AND DOOR LEAF, OPPOSITE WINDOW, TO BE PAINTED WITH BENJAMIN MOORE & CO. PREMIUM INTERIOR LATEX, FLAT FINISH, MEDIUM BASE 215 2B, FORMULA: OT-8.5, RX-0.75, BK-21, GY-4, WH-10, AREA/TINT CODE: B.
- (PL) PERSONAL PROPERTY (PRISONER PROCESSING) LOCKER - SEE DETAIL
- (PS) RECESSED PLUMBING SHUT-OFF PANEL WITH SWITCH AND INDICATOR LIGHT FOR EACH "TC" FIXTURE
- (SC) DETENTION-GRADE PUSH BUTTON SHOWER HEAD CONTROL
- (SD) SLIDING CELL DOOR - SEE DETAIL
- (TC) STAINLESS STEEL DETENTION-GRADE TOILET-SINK COMBY FIXTURE WITH ANTI-LIGATURE SKIRTS AT ALL INSTANCES. - SEE PLUMBING DRAWINGS. SECURITY CAULK ENTIRE PERIMETER TO WALL AND FLOOR.

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

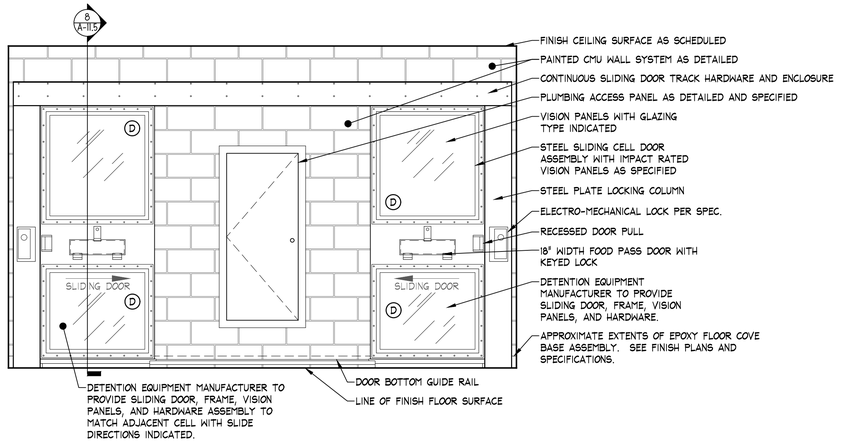
NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

3 CENTER STREET CARVER, MASSACHUSETTS

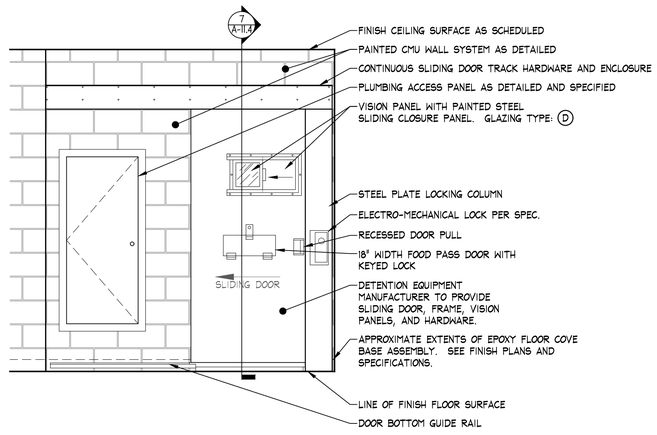
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

LARGE SCALE DETENTION AREA PLANS

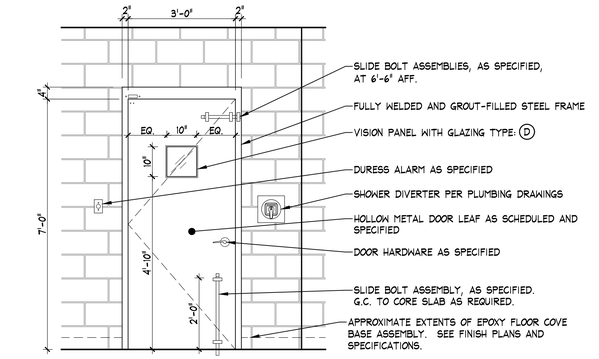
PROJ. NO.	DRAWING NO.
JH1830	A-11.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



3 DETENTION AREA ELEVATION FROM WITHIN HALL #116 TOWARDS CELL #115 AND CELL #117 FRONTS
SCALE: 1/2" = 1'-0"



4 DETENTION AREA ELEVATION FROM WITHIN PRIS. PROC. #122 TOWARDS H.C. CELL #119 FRONT
SCALE: 1/2" = 1'-0"

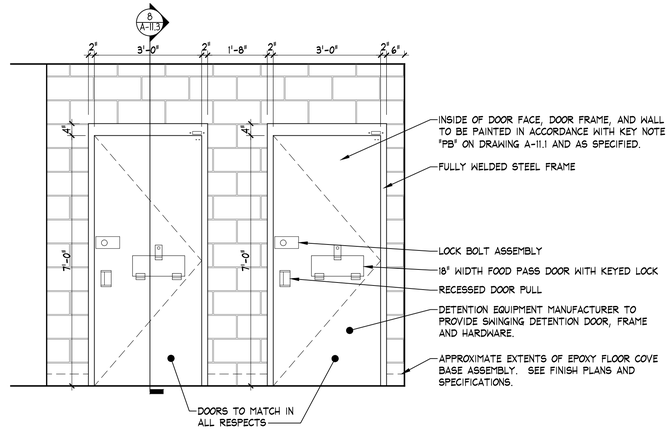


2 DETENTION AREA ELEVATION FROM WITHIN PRIS. PROC. #122 TOWARDS SHWR. #120 FRONT
SCALE: 1/2" = 1'-0"

GLAZING / PANEL TYPES

(D) 7/8" TRANSPARENT SECURITY ARMOR

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



1 DETENTION AREA ELEVATION FROM WITHIN PRIS. PROC. #122 TOWARDS BOOK #123 & BOOK #124)
SCALE: 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
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BERLIN, CT 06037
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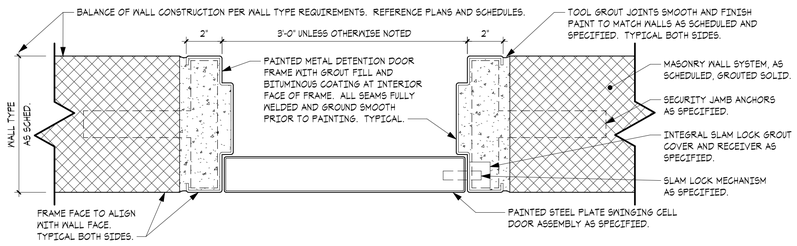
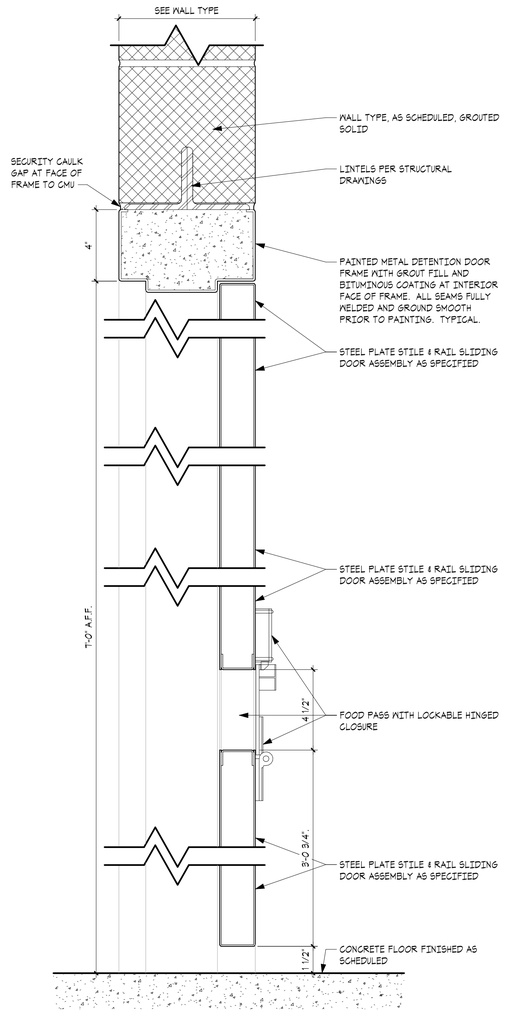
DETENTION AREA ELEVATIONS

PROJ. NO.	DRAWING NO.
JH1830	A-11.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

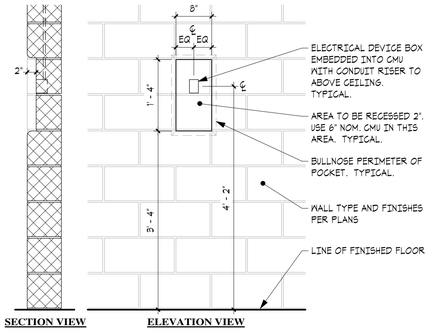


PLAN SECTION THROUGH HINGED DETENTION DOOR

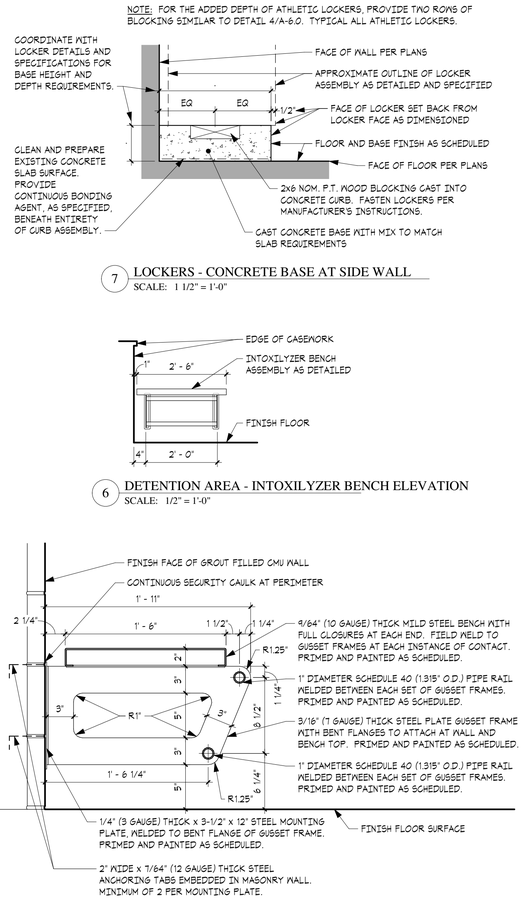


VERTICAL SECTION THROUGH HINGED DETENTION DOOR

8 DETENTION AREA - HINGED DETENTION DOOR DETAILS (CMU)
SCALE: 3" = 1'-0"



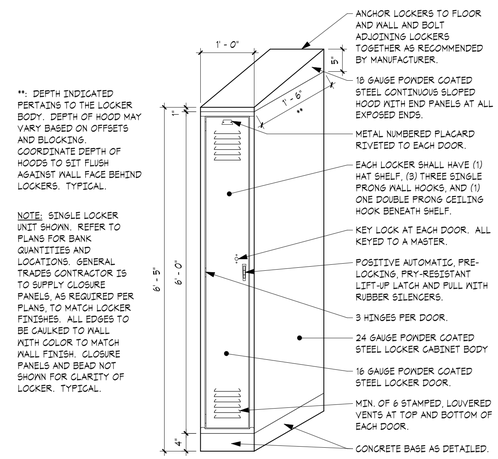
4 DETENTION AREA - BOOKING PHONE POCKET
SCALE: 3/4" = 1'-0"



7 LOCKERS - CONCRETE BASE AT SIDE WALL
SCALE: 1 1/2" = 1'-0"

6 DETENTION AREA - INTOXILYZER BENCH ELEVATION
SCALE: 1/2" = 1'-0"

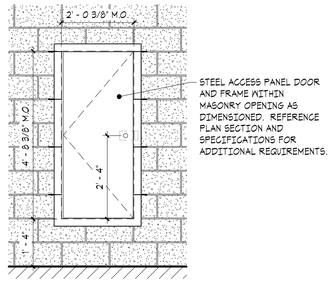
5 DETENTION AREA - INTOXILYZER BENCH SECTION
SCALE: 1 1/2" = 1'-0"



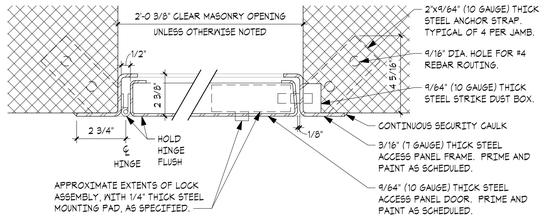
**: DEPTH INDICATED PERTAINS TO THE LOCKER BODY. DEPTH OF HOOD MAY VARY BASED ON OFFSETS AND BLOCKING. COORDINATE DEPTH OF HOODS TO SIT FLUSH AGAINST WALL FACE BEHIND LOCKERS. TYPICAL.

NOTE: SINGLE LOCKER UNIT SHOWN. REFER TO PLANS FOR BANK QUANTITIES AND LOCATIONS. GENERAL TRADES CONTRACTOR IS TO SUPPLY CLOSURE PANELS, AS REQUIRED PER PLANS, TO MATCH LOCKER FINISHES. ALL EDGES TO BE CAULKED TO WALL WITH COLOR TO MATCH WALL FINISH. CLOSURE PANELS AND BEAD NOT SHOWN FOR CLARITY OF LOCKER. TYPICAL.

3 LOCKERS - PERSONAL PROPERTY (PRISONER PROCESSING)
SCALE: 3/4" = 1'-0"



2 DETENTION AREA - PLUMBING ACCESS PANEL ELEVATION (CMU)
SCALE: 1/2" = 1'-0"



1 DETENTION AREA - PLUMBING ACCESS PANEL PLAN SECTION (CMU)
SCALE: 3" = 1'-0"

SUBMISSIONS & REVISIONS		
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BERLIN, CT 06037
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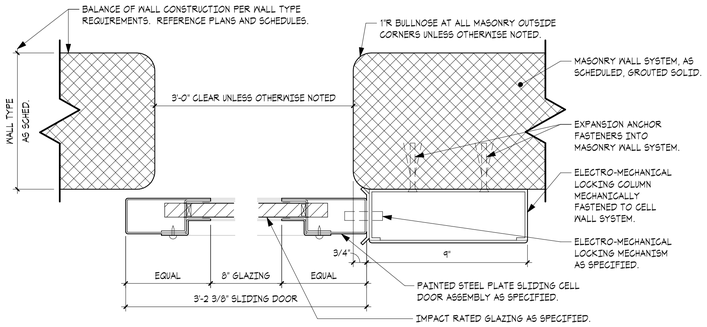
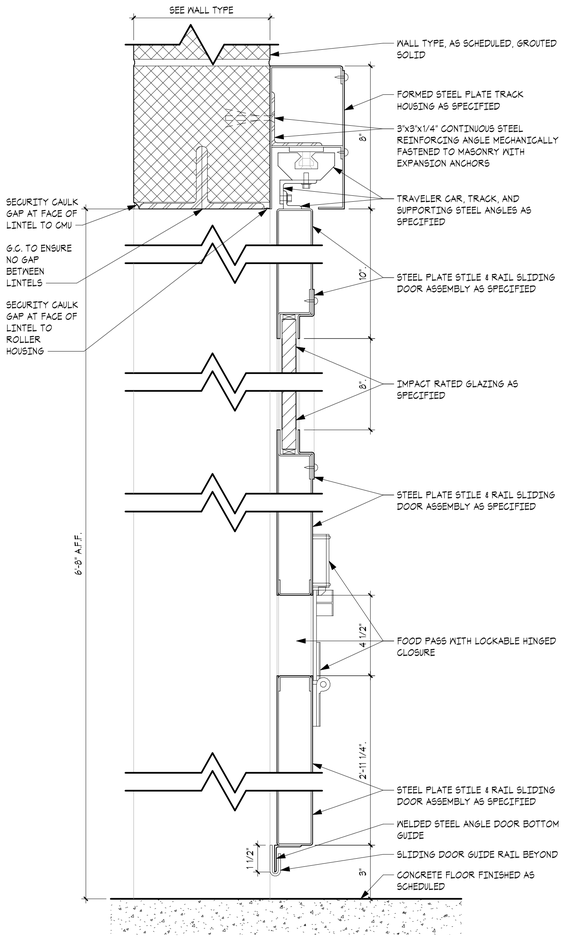
DETENTION AREA DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-11.3
SCALE: As indicated	
DATE: OCTOBER 2, 2019	

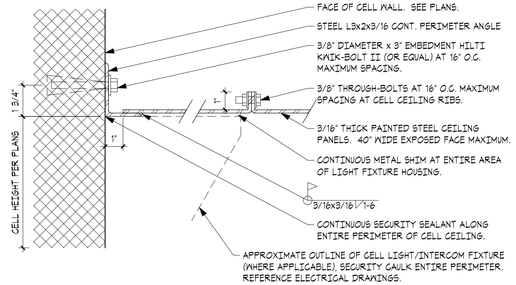


PLAN SECTION THROUGH SLIDING CELL PRIVACY DOOR

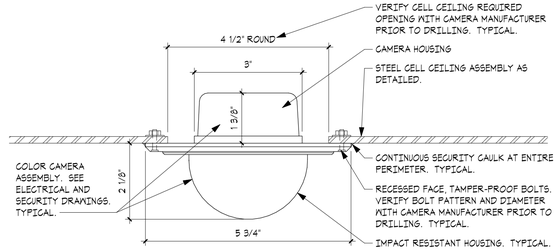


VERTICAL SECTION THROUGH SLIDING CELL PRIVACY DOOR

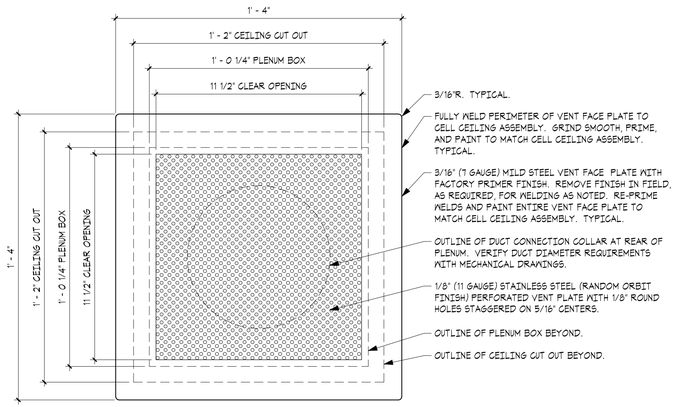
7 DETENTION AREA - CELL PRIVACY SLIDING ELECTRO-MAG DOOR DETAILS (CMU)
SCALE: 3" = 1'-0"



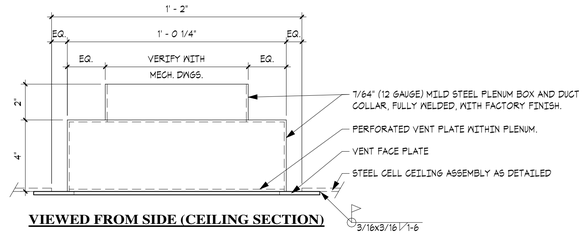
6 DETENTION AREA - CELL STEEL CEILING (CMU WALL)
SCALE: 3" = 1'-0"



5 DETENTION AREA - CELL CAMERA HOUSING AT STEEL CELL CEILING
SCALE: 6" = 1'-0"

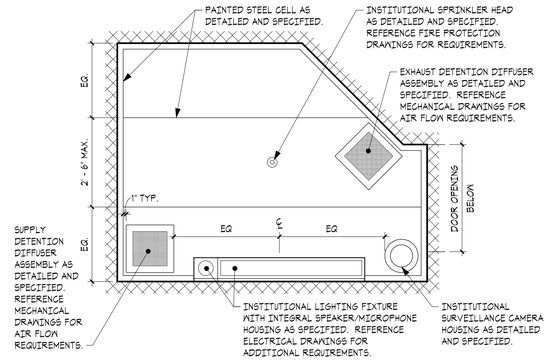


VIEWED FROM CELL INTERIOR

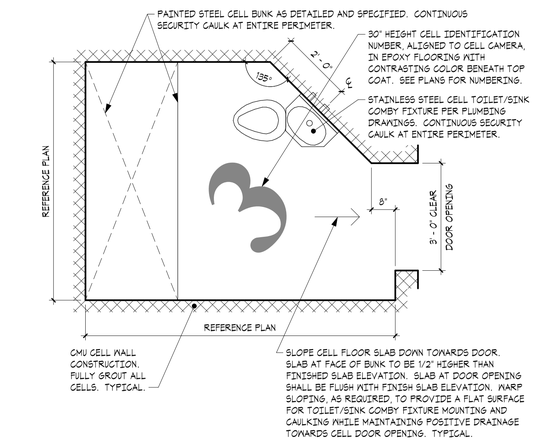


VIEWED FROM SIDE (CEILING SECTION)

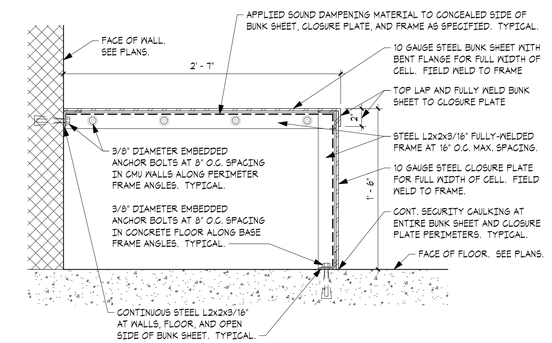
4 DETENTION AREA - DETENTION DIFFUSER AT STEEL CELL CEILING
SCALE: 3" = 1'-0"



3 DETENTION AREA - CELL TYPICAL CONSTRUCTION RCP DETAIL (CMU)
SCALE: 1/2" = 1'-0"



2 DETENTION AREA - CELL TYPICAL CONSTRUCTION PLAN DETAIL (CMU)
SCALE: 1/2" = 1'-0"



1 DETENTION AREA - CELL BUNK DETAIL (CMU WALL)
SCALE: 1 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
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NEW FACILITY FOR THE
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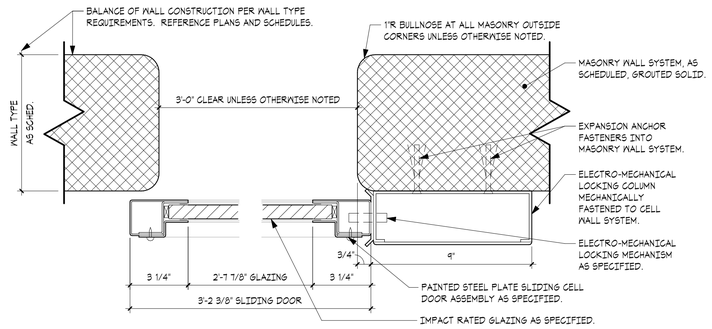
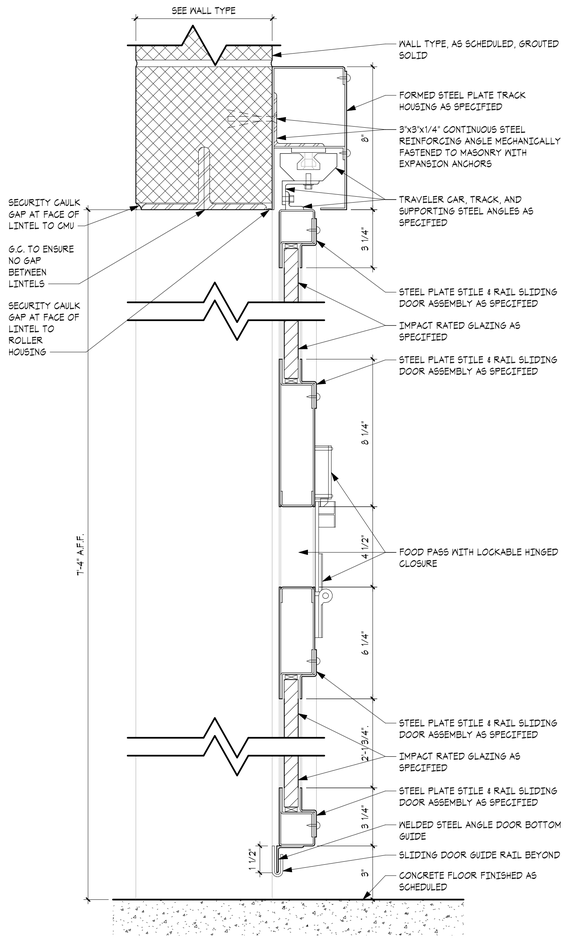
DETENTION AREA DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-11.4
SCALE: As indicated	
DATE: OCTOBER 2, 2019	

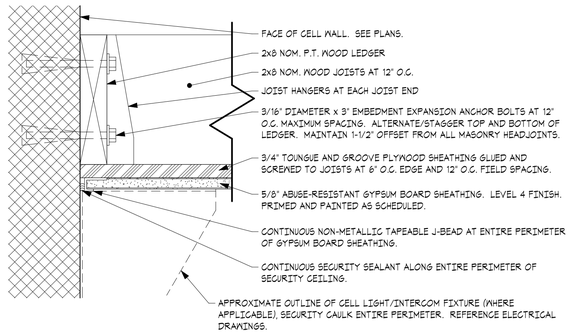


PLAN SECTION THROUGH SLIDING CELL DOOR

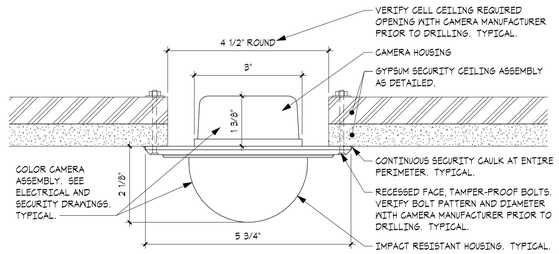


VERTICAL SECTION THROUGH SLIDING CELL DOOR

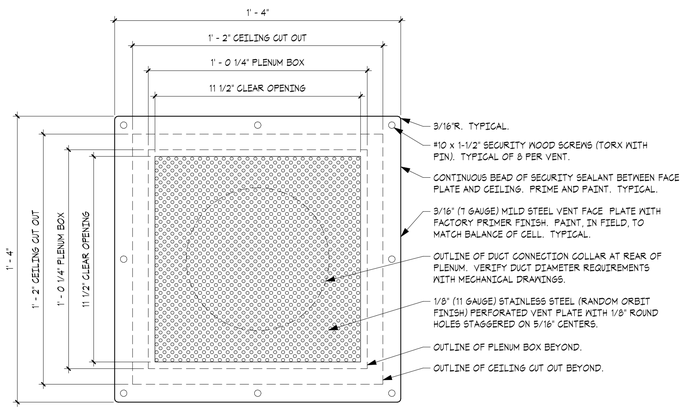
8 DETENTION AREA - CELL SLIDING ELECTRO-MAG DOOR DETAILS (CMU)
SCALE: 3" = 1'-0"



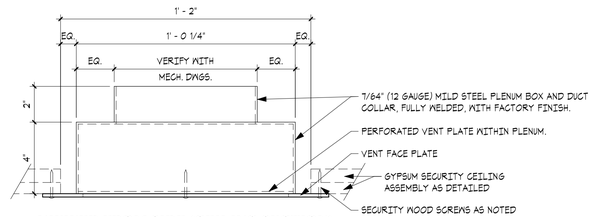
7 DETENTION AREA - GYPSUM SECURITY CEILING (CMU WALL)
SCALE: 3" = 1'-0"



6 DETENTION AREA - CELL CAMERA HOUSING AT GYPSUM SECURITY CEILING
SCALE: 6" = 1'-0"

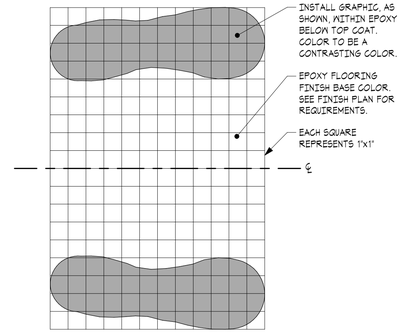


VIEWED FROM CELL INTERIOR

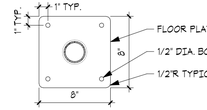


VIEWED FROM SIDE (CEILING SECTION)

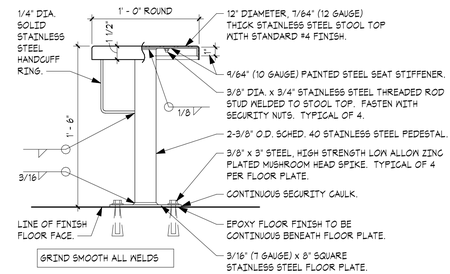
5 DETENTION AREA - DETENTION DIFFUSER AT GYPSUM SECURITY CEILING
SCALE: 3" = 1'-0"



4 DETENTION AREA - FOOTPRINT GRAPHIC
SCALE: 3" = 1'-0"



FLOOR PLATE PLAN VIEW



1 DETENTION AREA - BOOKING STOOL DETAIL
SCALE: 1 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
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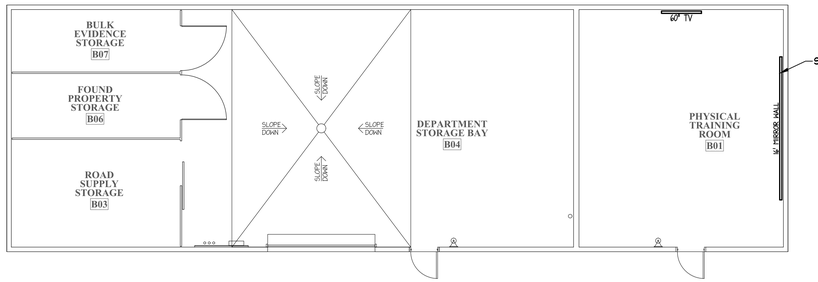
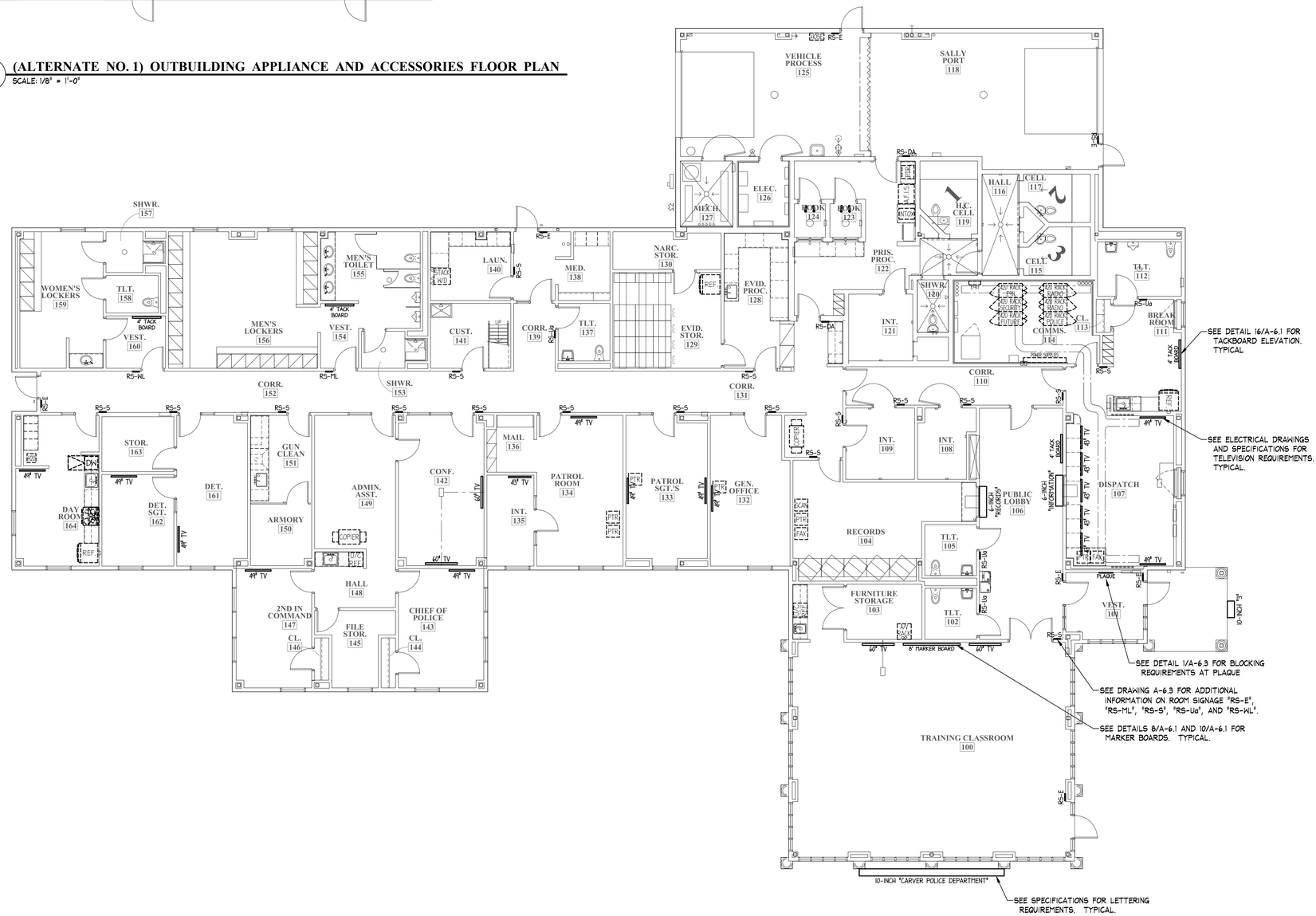
DETENTION AREA DETAILS

PROJ. NO.	DRAWING NO.
JH1830	A-11.5
SCALE: As indicated	
DATE: OCTOBER 2, 2019	



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

2 (ALTERNATE NO. 1) OUTBUILDING APPLIANCE AND ACCESSORIES FLOOR PLAN
SCALE: 1/8" = 1'-0"



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

1 MAIN BUILDING APPLIANCE AND ACCESSORIES FLOOR PLAN
SCALE: 1/8" = 1'-0"

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APPLIANCE AND ACCESSORIES FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH1830	A-12.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

FINISHES KEY

CODE	SPEC SECTION	APPLICATION	MATERIAL	MANUFACTURER	PRODUCT	COLOR	FINISH DIMENSIONS	REMARKS	CT ARCH REP CONTACT	LOCATION	REV
PFT-01	09 30 00	TILING	COLORBODY PORCELAIN TILE	DALTILE	FOREST PARK	SUGAR MAPLE FP96	9"X36"X3/8"	INSTALL IN A STAGGERED BRICK-JOINT PATTERN, OVERLAP SHOULD NOT EXCEED 33%. GROUT: MAPEI ULTRACOLOR PLUS FA- **COLOR TBD** RECOMMENDED GROUT JOINT: 3/16"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PFT-02	09 30 00	TILING	COLORBODY PORCELAIN TILE	DALTILE	ASSEMBLE	PROXY AS10	12"X24"X3/8"	INSTALL IN A STAGGERED BRICK-JOINT PATTERN, OVERLAP SHOULD NOT EXCEED 33%. GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD** RECOMMENDED GROUT JOINT: 3/16"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PFT-03	09 30 00	TILING	COLORBODY PORCELAIN MOSAIC TILE	DALTILE	KEYSTONES	D325 MARBLE	2"X2"X1/4"	GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PFT-04	09 30 00	TILING	COLORBODY PORCELAIN MOSAIC TILE	DALTILE	KEYSTONES 2 X 2 STANDARD PATTERN (2 COLORS)	DP3003 92% - D325 MARBLE, 8% - D014 DESERT GRAY	2"X2"X1/4"	GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PWT-01	09 30 00	TILING	COLORBODY PORCELAIN MOSAIC TILE	DALTILE	KEYSTONES 2 X 2 STANDARD PATTERN (2 COLORS)	DP3003 92% - D325 MARBLE, 8% - D014 DESERT GRAY	2"X2"X1/4"	GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PTB-01	09 30 00	TILING	PORCELAIN TILE WALL BASE	DALTILE	FOREST PARK COVE BASE S-36C9T	SUGAR MAPLE FP96	6"X12"X3/8"	ALIGN GROUT JOINTS WITH FLOOR TILE GROUT JOINTS. GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PTB-04A	09 30 00	TILING	PORCELAIN TILE WALL BASE	DALTILE	BUILD-UP BASE MB-5A (FOR WALLS WITH WALL TILE)	D325 MARBLE	5" HT	GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
PTB-04B	09 30 00	TILING	CERAMIC TILE WALL BASE	DALTILE	BUILD-UP COVE BASE MB-5B	D325 MARBLE	5" HT	GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD** RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
CWT-01	09 30 00	TILING	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSICS	MATTE BISCUIT K775	3"X6"X5/16"	INSTALL IN A RUNNING BOND PATTERN. GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/16"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
CWT-02	09 30 00	TILING	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSICS	MATTE DESERT GRAY X714	3"X6"X5/16"	INSTALL IN A RUNNING BOND PATTERN. GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/16"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
CWT-03	09 30 00	TILING	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSICS	MATTE ARCHITECTURAL GRAY 0709	3"X6"X5/16"	INSTALL IN A RUNNING BOND PATTERN. GROUT: MAPEI ULTRACOLOR PLUS FA - **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/16"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
CWT-04	09 30 00	TILING	CERAMIC WALL TILE	CREATIVE MATERIALS CORPORATION	SLIDE	GREY GLOSSY	4"X12"X.275" (7mm)	INSTALL IN A STACK BOND PATTERN. GROUT: MAPEI ULTRACOLOR PLUS FA- **COLOR TBD.** RECOMMENDED GROUT JOINT: 1/16"	LISA CUPOLO #518-701-5720. LCUPOLO@CREATIVEMATERIALSCORP.COM		
CWT-05	09 30 00	TILING	CERAMIC WALL TILE	DALTILE	STONE RADIANCE 5/8 X RANDOM MOSAIC	TO BE DETERMINED		MESH MOUNTED ON A 12"X12" SHEET. GROUT: MAPEI ULTRACOLOR PLUS FA- COLOR TBD. RECOMMENDED GROUT JOINT: 1/8"	LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM	BACKSPLASH IN TRAINING CLASSROOM 100 AND DAY ROOM 164	
MS-01	09 30 00	TILING	MARBLE SADDLE	DALTILE	THRESHOLD - DOUBLE BEVEL	CARRARA WHITE	4"W X 36"L X 5/8"H		LUCIA FRANCO #203-671-8315 LUCIA.FRANCO@DALTILE.COM		
ERC-01	09 40 00	FLOORING	EPOXY RESIN COATING	SHERWIN WILLIAMS	TRAFFICOTE 105 SELF-LEVELING SLURRY	PARCHMENT (62)	1/16" SMOOTH SYSTEM	WITH H&C SHARKGRIP NON SLIP ADDITIVE. GENERAL FLOORING IN DETENTION AREAS	MARK T. WEINER #617-438-1408 MARK.T.WEINER@SHERWIN.COM		
ERC-02	09 40 00	FLOORING	EPOXY RESIN COATING	SHERWIN WILLIAMS	TRAFFICOTE 105 SELF-LEVELING SLURRY	CHARCOAL (53)	1/16" SMOOTH SYSTEM	ACCENT COLOR	MARK T. WEINER #617-438-1408 MARK.T.WEINER@SHERWIN.COM		
ERC-03	09 40 00	FLOORING	EPOXY RESIN COATING	SHERWIN WILLIAMS	TRAFFICOTE 105 SELF-LEVELING SLURRY	PARCHMENT (62)	1/8" NON-SKID SYSTEM	NON-SKID	MARK T. WEINER #617-438-1408 MARK.T.WEINER@SHERWIN.COM		
RB-01	09 65 00	FLOORING ACCESSORIES	RESILIENT WALL BASE	TARKETT	BASEWORKS THERMOSET RUBBER (TYPE TS)	24 GREY HAZE	4"HT, 1/8" THICKNESS	WITH TOE	DOUG TITUS #860-706-9218 DOUG.TITUS@TARKETT.COM		
RB-02	09 65 00	FLOORING ACCESSORIES	RESILIENT WALL BASE	TARKETT	BASEWORKS THERMOSET RUBBER (TYPE TS)	COLOR TBD	4"HT, 1/8" THICKNESS	WITH TOE	DOUG TITUS #860-706-9218 DOUG.TITUS@TARKETT.COM		
TR-01	09 65 00	FLOORING ACCESSORIES	TRANSITION								
ESD-01	09 65 00	FLOORING	RUBBER FLOOR TILE - ELECTROSTATICALLY DISSIPATIVE	NORA	NORAPLAN SENTICA ED	6505 SILK	24.015" X 24.015" X 0.80" (2.0 mm)		MATT DORF #860-227-1393 MATT.DORF@NORA.COM		
ESD-02	09 65 00	FLOORING	RUBBER FLOOR TILE - ELECTROSTATICALLY DISSIPATIVE	NORA	NORAPLAN SENTICA ED	6520 SNOW DAY	24.015" X 24.015" X 0.80" (2.0 mm)		MATT DORF #860-227-1393 MATT.DORF@NORA.COM		
ESD-03	09 65 00	FLOORING	RUBBER FLOOR TILE - ELECTROSTATICALLY DISSIPATIVE	NORA	NORAPLAN SENTICA ED	6521 SUNDAY PAPER	24.015" X 24.015" X 0.80" (2.0 mm)		MATT DORF #860-227-1393 MATT.DORF@NORA.COM		
SVT-01	09 65 00	FLOORING	SOLID VINYL TILE	TARKETT	CORTINA GRANDE	CG404 PUMICE	16"X16"X0.125" (3.2 mm)		DOUG TITUS #860-706-9218 DOUG.TITUS@TARKETT.COM		
SVT-02	09 65 00	FLOORING	SOLID VINYL TILE	TARKETT	CORTINA GRANDE	CG510 GRILLE GREY	16"X16"X0.125" (3.2 mm)		DOUG TITUS #860-706-9218 DOUG.TITUS@TARKETT.COM		
SVT-03	09 65 00	FLOORING	SOLID VINYL TILE	TARKETT	CORTINA GRANDE	CG403 LOAM	16"X16"X0.125" (3.2 mm)		DOUG TITUS #860-706-9218 DOUG.TITUS@TARKETT.COM		

FINISHES KEY

CODE	SPEC SECTION	APPLICATION	MATERIAL	MANUFACTURER	PRODUCT	COLOR	FINISH DIMENSIONS	REMARKS	CT ARCH REP CONTACT	LOCATION	REV
LVT-01	09 65 00	FLOORING	LUXURY VINYL TILE	MANNINGTON COMMERCIAL	AMTICO WOOD	BRUSHED OAK AR0W7910	9" X 36" X 0.096" (2.5 mm)	40 MIL WEAR LAYER	KEVIN O'BRYAN #314-276-3012 KEVIN_O'BRYAN@MANNINGTON.COM		
RTF-01	09 65 66	FLOORING	RUBBER TILE SPORTS FLOOR	ROPPE	RECOIL FITNESS FLOORING	376 BISQUE/IVORY	36" X 36" X 3/8" THICKNESS	INTERLOCKING TILES	KYLE GABLE #413-887-8495, KYLE@SALESMASTER.COM		
CPT-01	09 68 10	FLOORING	CARPET TILE	MILLIKEN	METRO MODULAR	MET 108 STATE & MADISON	19.7"X19.7"X 0.37 (9.4 mm) HT	MONOLITHIC INSTALLATION. PVC-FREE COMFORT PLUS ES CUSHION	JANIS NEWELL #860-490-0239 JANIS.NEWELL@MILLIKEN.COM		
WOM-01	09 68 10	FLOORING	WALK-OFF MAT TILES	MANNINGTON COMMERCIAL	RUFFIAN II	TAN TETONS 8404	24"X24"X 5/32"	MONOLITHIC INSTALLATION.	KEVIN O'BRYAN #314-276-3012 KEVIN_O'BRYAN@MANNINGTON.COM		
RWC-01	09 72 00	WALLS	FLEXIBLE IMPACT RESISTANT WALL SOLUTIONS	WOLF GORDON	RAMPART "SPARTA"	PEPPER SRP 5303	52" WIDE X 27 YARD ROLLS	CAN BE RAILROADED FOR WAINSCOT APPLICATIONS TO MINIMIZE SEAMS	LISA SPENCER #845-641-1081 LISA.SPENCER@WOLFGORDON.COM		
VWC-01	09 72 00	WALLS	WALLCOVERING	DENOVO WALL	ZETEO LINEN	DN2-ZTL-04 LEDGE	52"/54"	TYPE II, CLASS A FIRE RATING, 20 OZ. REPEAT: 24"V, 27"H, RANDOM MATCH, REVERSIBLE PATTERN	NANCY ROYER #203-654-3995 NANCYR@SURFACEMATERIALS.COM		
VWC-02	09 72 00	WALLS	WALLCOVERING	DENOVO WALL	ZETEO LINEN	DN2-ZTL-05 MILESTONE	52"/54"	TYPE II, CLASS A FIRE RATING, 20 OZ. REPEAT: 24"V, 27"H, RANDOM MATCH, REVERSIBLE PATTERN	NANCY ROYER #203-654-3995 NANCYR@SURFACEMATERIALS.COM		
CG-01	09 72 00	WALLS	SURFACE MOUNTED CORNER GUARD	C/S ACROVYN	VA SERIES - VA-200N	ACROVYN 4000 #__	1-1/2" LEGS, PARTIAL HEIGHT	ADHERE TO THE WALL WITH SELF-ADHESIVE TAPE. SEE DETAIL 4 AND 6/A-6.2	SSO SALES, #860-224-6700, QUOTES@SSOSALES.COM		
CP-00	09 90 00	INTERIOR PAINTING & COATING	CEILING PAINT (FLAT)	BENJAMIN MOORE	WATERBORNE CEILING PAINT (508)	WHITE		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
EP-00	09 90 00	INTERIOR PAINTING & COATING	EPOXY CEILING PAINT (FLAT)	BENJAMIN MOORE		COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-01	09 90 00	INTERIOR PAINTING & COATING	TRIM PAINT (SEMI-GLOSS)	BENJAMIN MOORE	ULTRASPEC HP D.T.M.	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-02	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
EP-02	09 90 00	INTERIOR PAINTING & COATING	EPOXY PAINT	BENJAMIN MOORE	COROTECH SEMI-GLOSS (V341)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-03	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-04	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-05	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-06	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-07	09 90 00	INTERIOR PAINTING & COATING	PAINT (SATIN)	BENJAMIN MOORE	ULTRASPEC 500 EGGSHELL (N538)	COLOR TBD		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
P-08	09 91 23	WALLS (GYPSUM)	PAINT (FLAT)	BENJAMIN MOORE	ULTRASPEC 500 FLAT (N536)	MEDIUM BASE 215 2B, FORMULA: OY-8-1/2 RX-3/4 BK-21 GY-4 WH-10, AREA/TINT CODE: B		SEE SPECS FOR RECOMMENDED PRIMERS	MICHAEL DAUENHAUER #203-273-4676 MICHAEL.DAUENHAUER@BENJAMINMOORE.COM		
SC-01	09 97 23	FLOORING	SEALED CONCRETE								
RS-S	12 06 20	WINDOW TREATMENT	MANUAL SHADES (SINGLE SHADE)	MECHOSHADE	MECHO/5 WITH FASCIA	FABRIC: ECOVEIL 1550 SERIES #COLOR TO BE DETERMINED		PVC FREE BASKET WEAVE 3% OPEN FASCIA COLOR: TO BE DETERMINED	DAVID SHANNON #978-443-4911 X12 DS@SHANNONCORPORATION.COM		
RS-B	12 06 20	WINDOW TREATMENT	MANUAL BLACKOUT SHADES (SINGLE SHADE)	MECHOSHADE	MECHO/5 WITH FASCIA	SHADE FABRIC: CHELSEA BLACKOUT #COLOR TO BE DETERMINED		PVC FREE 0% OPEN. FASCIA COLOR: TO BE DETERMINED	DAVID SHANNON #978-443-4911 X12 DS@SHANNONCORPORATION.COM		
RS-SU	12 06 20	WINDOW TREATMENT	MANUAL SHADES - BOTTOM UP (SINGLE SHADE)	MECHOSHADE	MECHO/5 WITH FASCIA BOTTOM UP SHADE	FABRIC: ECOVEIL 1550 SERIES #COLOR TO BE DETERMINED		PVC FREE BASKET WEAVE 3% OPEN. FASCIA COLOR: TO BE DETERMINED	DAVID SHANNON #978-443-4911 X12 DS@SHANNONCORPORATION.COM		
RS-BU	12 06 20	WINDOW TREATMENT	MANUAL BLACKOUT SHADES - BOTTOM UP (SINGLE SHADE)	MECHOSHADE	MECHO/5 WITH FASCIA BOTTOM UP SHADE	SHADE FABRIC: CHELSEA BLACKOUT #COLOR TO BE DETERMINED		PVC FREE 0% OPEN. FASCIA COLOR: TO BE DETERMINED	DAVID SHANNON #978-443-4911 X12 DS@SHANNONCORPORATION.COM		
MS-D	12 06 20	WINDOWS (COMMUNITY ROOM)	MOTORIZED SHADES (DUAL SHADE)	MECHOSHADE	WHISPERSHADE IQ2 DOUBLE SHADE SYSTEM (MOTORIZED)	SHADE #1 FABRIC: THERMOVEIL 1500 SERIES #COLOR TO BE DETERMINED SHADE #2 FABRIC: CHELSEA BLACKOUT #COLOR TO BE DETERMINED		SHADE #1: DENSE BASKET WEAVE 3% OPEN. SHADE #2: PVC FREE 0% OPEN.	DAVID SHANNON #978-443-4911 X12 DS@SHANNONCORPORATION.COM		
PL-01		CASEWORK	PLASTIC LAMINATE	WILSONART		RIVER CHERRY 7937-38		38- FINE VELVET TEXTURE	MICHELLE O'CONNOR #781-460-8144 MICHELLE.OCONNOR@WILSONART.COM		
PL-02		CASEWORK	PLASTIC LAMINATE	WILSONART		POLISHED CONCRETE 5022K-60		60- MATTE FINISH	MICHELLE O'CONNOR #781-460-8144 MICHELLE.OCONNOR@WILSONART.COM		
SS-01		CASEWORK	SOLID SURFACE	CAESARSTONE		4004 RAW CONCRETE	THICKNESS: 2 CM, 3 CM SIZES: 56-1/2"X120",	HONED		TRAINING CLASSROOM 100, HALL 148, MEN'S TOILET 155, WOMEN'S LOCKERS 159, DAY	
ER-01		CASEWORK	EPOXY RESIN	DURCON OR SIMILAR	EPOXY RESIN	BLACK	1" THICKNESS	MARINE EDGE		EVID. PROC. 128, GUN CLEAN 151	
CFW		MILLWORK	CLEAR FINISHED WOOD			STAINED TO MATCH WOOD DOORS - SEE SAMPLE BY ARCHITECT		SEE CASEWORK SECTIONS CRS-S AND CRS-H ON A-10.7		BREAK ROOM 111, MED. 138, CLOSET 144, CLOSET 146	
WCR-01		MILLWORK	WOOD CHAIR RAIL					SEE DETAIL 4/A-10.8		CORRIDORS 110, 131, 139, 152	
WB-01		MILLWORK	WOOD BASE					SEE DETAIL 1/A-10.8		TRAINING CLASSROOM 100	
WB-02		MILLWORK	WOOD BASE					SEE DETAIL 2/A-10.8		VEST 101, FURNITURE STORAGE 103	
WB-03		MILLWORK	WOOD BASE					SEE DETAIL 3/A-10.8		PUBLIC LOBBY 106	

FINISHES SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	WALL BASE	WALLS				TRIM	CEILING	CASEWORK			COMMENTS
				NORTH	SOUTH	EAST	WEST			BASE CABINET	COUNTER	WALL CABINET	
100	TRAINING CLASSROOM	CPT-01/ PFT-01	WB-01	P-02	P-02	VWC-02	P-02	P-01	ACT / CP-00	PL-01	SS-01	PL-01	SEE F-1.0 FOR LOCATION OF CPT-01 AND PFT-01. WALL BASE PER DETAIL 1/A-10.8. SEE CASEWORK ELEVATION BB ON A-10.4. CWT-05 BACKSPLASH AT CASEWORK. INTERIOR OF SOFFIT TO BE PAINTED P-
101	VEST.	WOM-01	WB-02	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	WALL BASE PER DETAIL 2/A-10.8
102	TLT.	PFT-01	PTB-01	P-02	P-02	CWT-04	P-02	P-01	ACT	-	-	-	
103	FURNITURE STORAGE	PFT-01	WB-02	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	WALL BASE PER DETAIL 2/A-10.8
104	RECORDS	CPT-01	RB-02	P-03	P-02	P-02	P-02	P-01	ACT	PL-01	PL-02	-	SEE CASEWORK ELEVATION A ON A-10.1.
105	TLT.	PFT-01	PTB-01	P-02	P-02	P-02	CWT-04	P-01	ACT	-	-	-	
106	PUBLIC LOBBY	PFT-01/ PFT-02	WB-03	P-02/ VWC-02	P-02/ VWC-02	P-02/ VWC-02	P-02/ VWC-02	P-01	ACT	-	-	-	WALL BASE PER DETAIL 3/A-10.8
107	DISPATCH	ESD-01/ ESD-02/ ESD-03	RB-01	P-02	P-03	P-02	P-02	P-01	ACT	PL-01	PL-02	PL-01	SEE CASEWORK ELEVATIONS B AND C ON A-10.1.
108	INT.	SVT-01/ SVT-02/ SVT-03	RB-01	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
109	INT.	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-03	P-02	P-02	P-01	ACT	-	-	-	
110	CORR.	SVT-01	RB-01	P-04/ RWC-01/ WCR-01	P-04/ RWC-01/ WCR-01	P-07/ RWC-01/ WCR-01	P-04/ RWC-01/ WCR-01	P-01	ACT	-	-	-	WOOD CRASH RAIL PER DETAIL 4/A-10.8
111	BREAK ROOM	ESD-01	RB-01	P-02	P-03	P-02	P-02	P-01	ACT	PL-01	PL-02	PL-01	SEE CASEWORK ELEVATION D ON A-10.1.
112	TLT.	PFT-04	PTB-04	P-02	P-02	CWT-01/ CWT-02/ CWT-03	P-02	P-01	ACT	-	-	-	SEE ELEVATION 3/F-1.1.
113	CL.	ESD-01	RB-01	P-02	P-02	P-02	P-02	P-01	CP-00	-	CFW	-	SEE CASEWORK ELEVATION E ON A-10.1.
114	COMMS.	ESD-02	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
115	CELL	ERC-01/ ERC-02	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
116	HALL	ERC-01	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
117	CELL	ERC-01/ ERC-02	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
118	SALLY PORT	SC-01	-	EP-02	EP-02	EP-02	EP-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
119	H.C. CELL	ERC-01/ ERC-02	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
120	SHWR.	ERC-03	ERC-03	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
121	INT.	ERC-01	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
122	PRIS. PROC.	ERC-01	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	PL-01	STS	-	4" HEIGHT WALL BASE. SEE CASEWORK ELEVATIONS H AND P ON A-10.2.
123	BOOK	ERC-01/ ERC-02	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
124	BOOK	ERC-01/ ERC-02	ERC-01	EP-02	EP-02	EP-02	EP-02	P-01	EP-00	-	-	-	4" HEIGHT WALL BASE
125	VEHICLE PROCESS	SC-01	-	EP-02	EP-02	EP-02	EP-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
126	ELEC.	SC-01	-	EP-02	EP-02	EP-02	EP-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
127	MECH.	SC-01	-	EP-02	EP-02	EP-02	EP-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
128	EVID. PROC.	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	PL-01	ER	-	SEE CASEWORK ELEVATIONS J, K AND L ON A-10.2.
129	EVID. STOR.	SVT-01	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
130	NARC. STOR.	SVT-01	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
131	CORR.	SVT-01/ SVT-02/ SVT-03	RB-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-01	ACT	PL-01	PL-02	PL-01	WOOD CRASH RAIL PER DETAIL 4/A-10.8. SEE CASEWORK ELEVATION Y ON A-10.4.
132	GEN. OFFICE	CPT-01	RB-02	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
133	PATROL SGT.'S	CPT-01	RB-02	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
134	PATROL ROOM	SVT-01/ SVT-02/ SVT-03	RB-01	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
135	INT.	SVT-01/ SVT-02/ SVT-03	RB-01	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
136	MAIL	SVT-01/ SVT-02/ SVT-03	RB-01	P-03	P-02	P-02	P-02	P-01	ACT	PL-01	-	-	SEE CASEWORK ELEVATION AA ON A-10.4.
137	TLT.	PFT-01	PTB-01	P-02	P-02	P-02	CWT-01/ CWT-02/ CWT-03	P-01	ACT	-	-	-	SEE ELEVATION 3/F-1.1.
138	MED.	WOM-01	RB-02	P-04/ RWC-01/ CG-01	P-04/ RWC-01/ CG-01	P-04/ RWC-01/ CG-01	P-04/ RWC-01/ CG-01	P-01	ACT / CP-00	PL-01	-	CFW	SEE DETAIL. SEE CASEWORK ELEVATIONS M AND N ON A-10.2.
139	CORR.	SVT-01/ SVT-02/ SVT-03	RB-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-01	ACT	-	-	-	WOOD CRASH RAIL PER DETAIL 4/A-10.8
140	LAUN.	SVT-01	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	PL-01	PL-02	-	SEE CASEWORK ELEVATIONS Q AND R ON A-10.3.
141	CUST.	SC-01	RB-01	EP-02	EP-02	EP-02	EP-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 9'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
142	CONF.	CPT-01	RB-02	P-02	P-02	P-02	VWC-01	P-01	ACT	-	-	-	
143	CHIEF OF POLICE	CPT-01	RB-02	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
144	CL.	CPT-01	RB-02	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	CFW	SEE CASEWORK ELEVATION F ON A-10.1.
145	FILE STOR.	SVT-01	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
146	CL.	CPT-01	RB-02	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	CFW	SEE CASEWORK ELEVATION G ON A-10.1.
147	2ND IN COMMAND	CPT-01	RB-02	P-02	P-03	P-02	P-02	P-01	ACT	-	-	-	
148	HALL	CPT-01	RB-02	P-03	P-02	P-03	P-02	P-01	ACT	PL-01	SS-01	PL-01	SEE CASEWORK ELEVATION S ON A-10.3.
149	ADMIN. ASST.	CPT-01	RB-02	P-03	P-02	P-02	P-03	P-01	ACT	-	-	-	
150	ARMORY	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
151	GUN CLEAN	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT / CP-00	PL-01	ER	PL-01	SEE CASEWORK ELEVATION T ON A-10.3.
152	CORR.	SVT-01/ SVT-02/ SVT-03	RB-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-04/ RWC-01/ WCR-01/ CG-01	P-01	ACT	-	-	-	WOOD CRASH RAIL PER DETAIL 4/A-10.8
153	SHWR.	PFT-04	PTB-04	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
154	VEST.	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
155	MEN'S TOILET	PFT-04	PTB-04	P-02	CWT-01/ CWT-02/ CWT-03	P-02	P-02	P-01	ACT	PL-01	SS-01	-	SEE ELEVATION 3/F-1.1. SEE CASEWORK ELEVATION U ON A-10.3.
156	MEN'S LOCKERS	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	SOFFITS TO BE PAINTED P-05.
157	SHWR.	PFT-04	PTB-04	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
158	TLT.	PFT-04	PTB-04	P-02	CWT-01/ CWT-02/ CWT-03	P-02	P-02	P-01	ACT	-	-	-	SEE ELEVATION 3/F-1.1.
159	WOMEN'S LOCKERS	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	PL-01	SS-01	-	SOFFITS TO BE PAINTED P-05. SEE CASEWORK ELEVATION V ON A-10.3.
160	VEST.	SVT-01/ SVT-02/ SVT-03	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
161	DET.	CPT-01	RB-02	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
162	DET. SGT.	CPT-01	RB-02	P-03	P-02	P-02	P-02	P-01	ACT	-	-	-	
163	STOR.	SVT-01	RB-01	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
164	DAY ROOM	LVT-01	RB-02	P-06	P-02	P-02	P-02	P-01	ACT	PL-01	SS-01	PL-01	SEE CASEWORK ELEVATION X ON A-10.4.
200	ATTIC			P-02	P-02	P-02	P-02	P-01	CP-00	-	-	-	

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
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NEW FACILITY FOR THE

CARVER POLICE DEPARTMENT

3 CENTER STREET CARVER, MASSACHUSETTS

JH
JACUNSKI HUMES
ARCHITECTS, LLC

15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

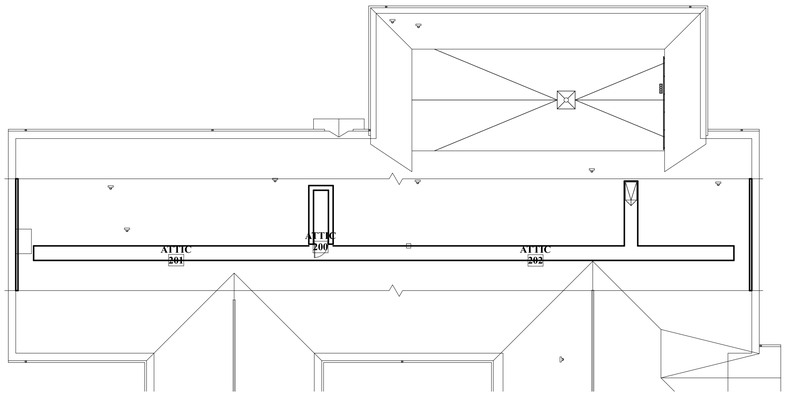
FINISH KEY AND ROOM SCHEDULE

PROJ. NO. JH1830

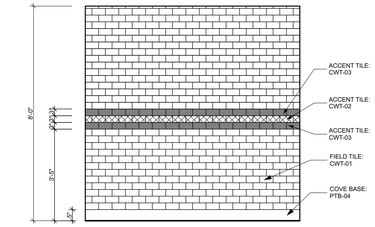
SCALE As Noted

DATE OCTOBER 2, 2019

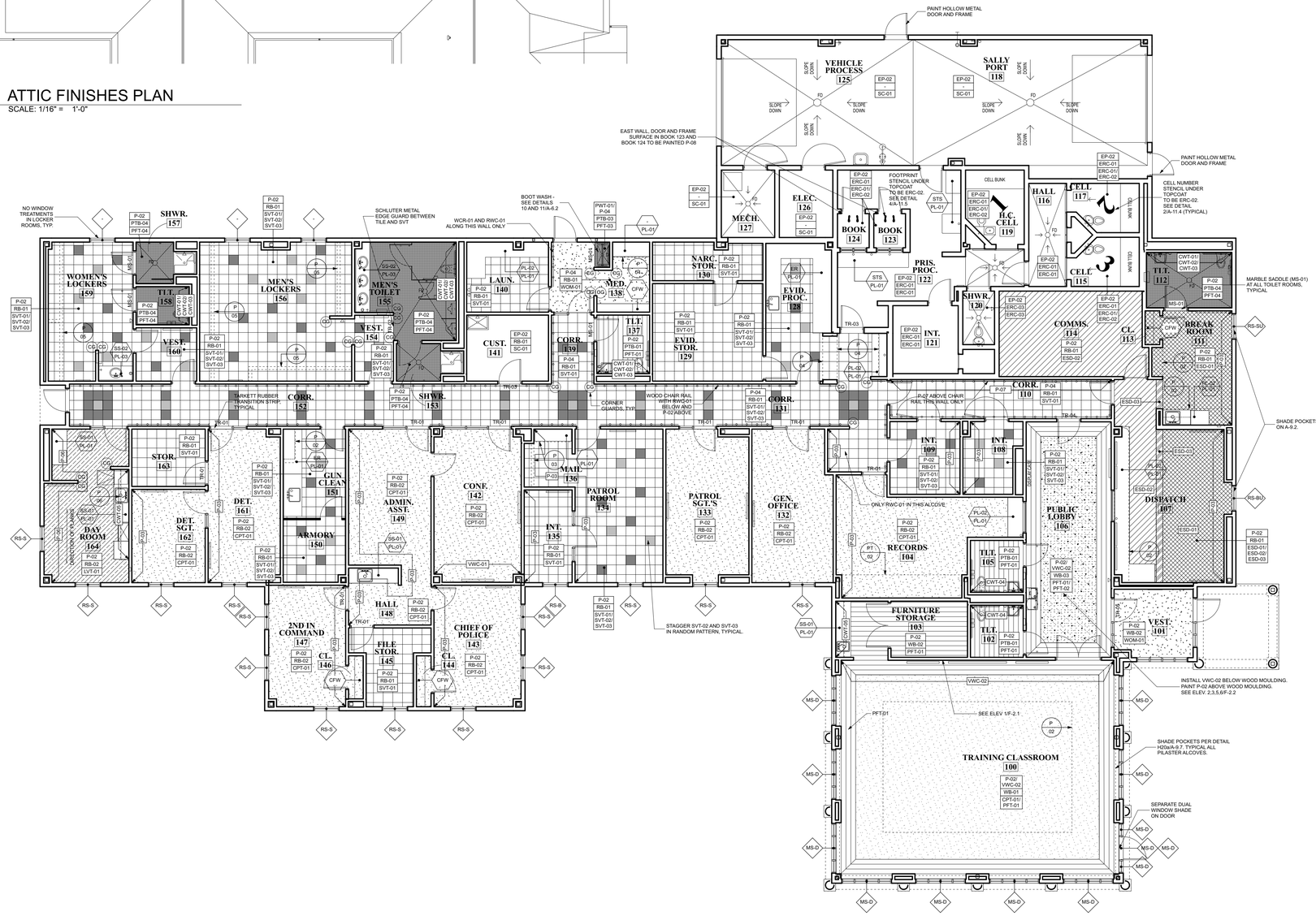
DRAWING NO. ***F-0.1***



2 ATTIC FINISHES PLAN
SCALE: 1/16" = 1'-0"



3 TYPICAL CWT TILE ELEVATION
SCALE: 3/8" = 1'-0"



1 MAIN BUILDING FINISHES PLAN
SCALE: 1/8" = 1'-0"

FINISH NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
2. ALL FINISHES SHALL BE APPLIED, PREPPED AND FINISHED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR THE PARTICULAR SUBSTRATE.
3. PROTECT FINISHED WORK INSTALLED BY OTHER TRADES PRIOR TO WORK UNDER THIS SECTION OR NOTED AS EXISTING TO REMAIN. ANY WORK DAMAGED BY WORKMEN SHALL BE REPLACED WITHOUT COST TO THE OWNER.
4. REFER TO ROOM FINISH KEY AND SCHEDULE ON F-0.1 FOR FINISH SELECTIONS AND LOCATION.
5. REFER TO WALL FINISH PLAN F-1.1 FOR LOCATIONS OF ACCENT WALLS WITHIN ROOMS OR AREAS.
6. REFER TO ARCHITECTURAL RCP DRAWINGS FOR ALL CEILING IDENTIFICATIONS AND WALL HEIGHTS.
7. CONSULT ARCHITECT OR DESIGNER BEFORE PAINTING ANY FACTORY FINISHES.
8. LAY SVT WITH GRAIN RUNNING IN THE SAME DIRECTION.
9. FLOORING TRANSITIONS TO BE ADA COMPLIANT, IN COLOR TO BE SELECTED BY DESIGNER.
10. ALL TRIM TO BE PAINTED P-01.
11. ALL WOOD MOLDINGS TO BE STAINED TO MATCH WOOD DOORS - SEE ARCHITECT FOR CONTROL SAMPLE.
13. GROUT JOINTS FOR COVE BASE AND FLOOR TILE TO LINE UP. PROVIDE ALL ASSOCIATED EDGE AND CORNER TILE TRIM PIECES AS REQUIRED.
14. PAINT ALL EXTERIOR METAL PROTECTION BOLLARDS, HOLLOW METAL DOORS/FRAMES AND DECORATIVE COLUMNS. COLORS TO BE SELECTED BY THE ARCHITECT.

KEY:

- WOOD CHAIR RAIL AND IMPACT RESISTANT WALLCOVERING (WCR-01, RWC-01)
- CG — CORNER GUARD
- XX-XX — WINDOW TREATMENT
- P-XX — ACCENT PAINT
- P XX — PAINTED SOFFIT
- XX-XX / XX-XX — MILLWORK COUNTERTOPS / MILLWORK BASE & UPPER CABINETS
- XX-XX / XX-XX / XXX-XX — WALL MATERIAL / BASE MATERIAL / FLOOR MATERIAL
- CASEWORK OR INTERIOR ELEVATION MARKER

- SVT-02
- SVT-03
- CPT-01
- PFT-01
- PFT-02
- WOM-01
- ESD-01
- ESD-02
- ESD-02
- CFT-01
- LVT-01

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CARVER, MASSACHUSETTS

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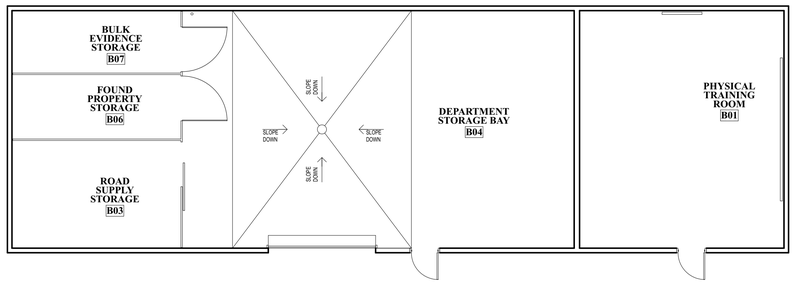
FAX 860-828-9223

MAIN BUILDING FINISH PLAN

PROJ. NO. JH1830	DRAWING NO. F-1.1
SCALE As Noted	
DATE OCTOBER 2, 2019	



1 OUTBUILDING FINISHES PLAN - ADD ALTERNATE #1
SCALE: 1/8" = 1'-0"

FINISHES SCHEDULE - ADD ALTERNATE#1

ROOM NO.	ROOM NAME	FLOOR	WALL BASE	WALLS				TRIM	CEILING	CASEWORK			COMMENTS
				NORTH	SOUTH	EAST	WEST			BASE CABINET	COUNTER	WALL CABINET	
B01	PHYSICAL TRAINING ROOM	RTF-01	RB-03	P-02	P-02	P-02	P-02	P-01	ACT	-	-	-	
B03	ROAD SUPPLY STORAGE	SC-01	RB-01	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
B04	DEPARTMENT STORAGE BAY	SC-01	RB-01	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
B06	FOUND PROPERTY STORAGE	SC-01	RB-01	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.
B07	BULK EVIDENCE STORAGE	SC-01	RB-01	P-02	P-02	P-02	P-02	P-01	CP-00	-	-	-	TRANSITION FROM WALL TO CEILING PAINT AT 10'-0" ABOVE FINISH FLOOR. ALL CEILING ELECTRICAL, PLUMBING, AND HVAC COMPONENTS TO BE PAINTED TO MATCH CEILING.

2 OUTBUILDING FINISHES SCHEDULE - ADD ALTERNATE #1
SCALE: 1' = 1'-0"

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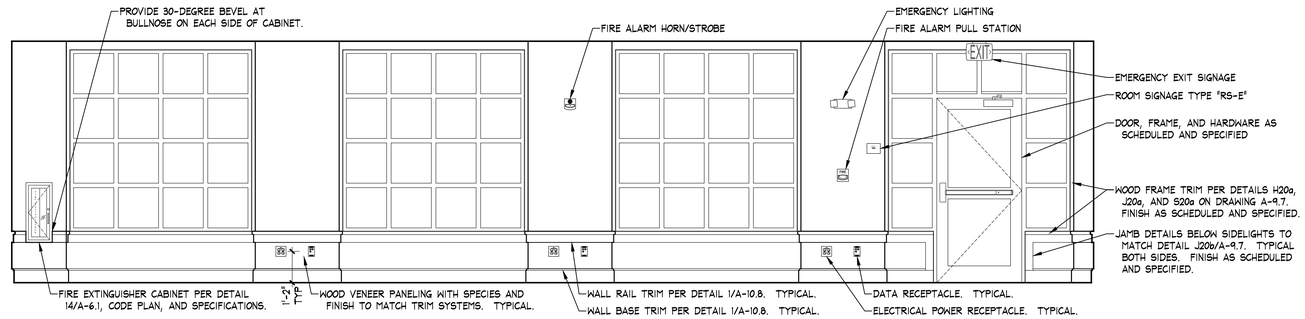
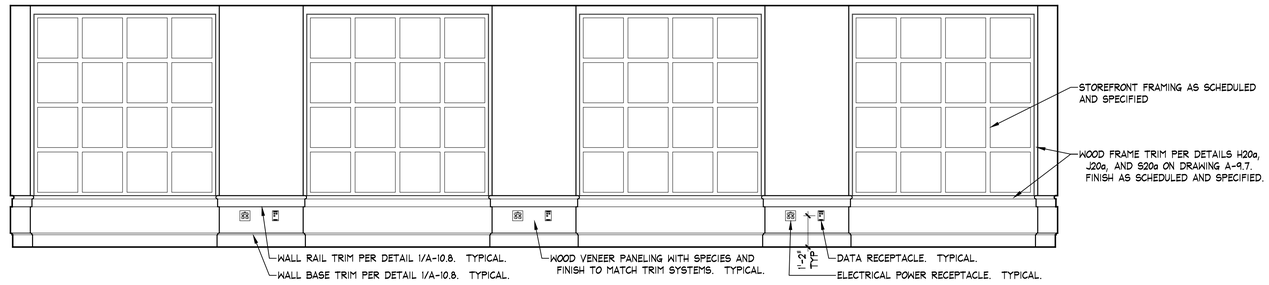
OUTBUILDING FINISH PLAN ADD. ALT. #1

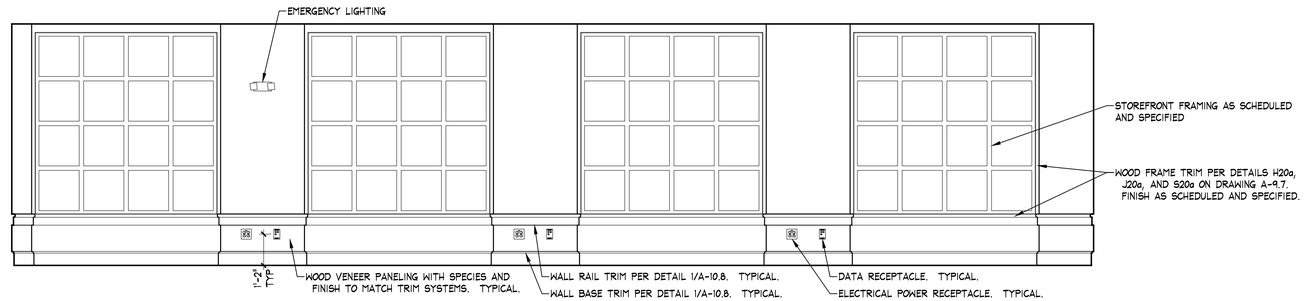
PROJ. NO.	DRAWING NO.
JH1830	***F-1.2***
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



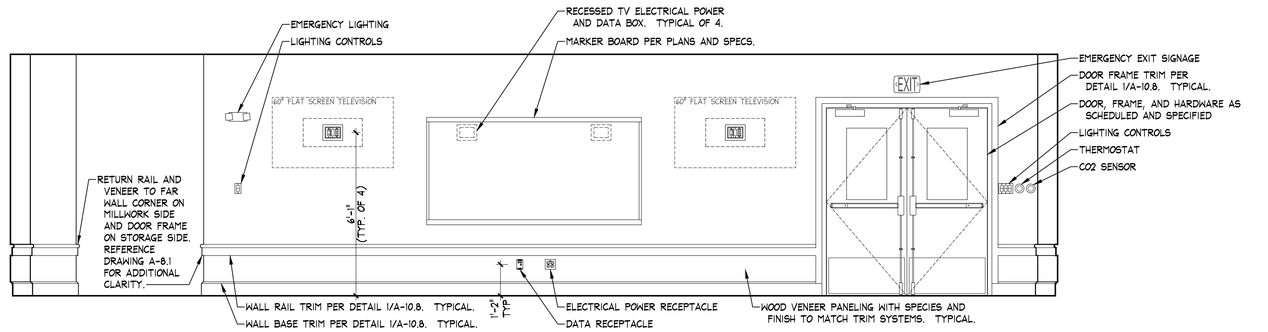
4 INTERIOR SOUTH ELEVATION AT TRAINING CLASSROOM #100
SCALE: 3/8" = 1'-0"



3 INTERIOR EAST ELEVATION AT TRAINING CLASSROOM #100
SCALE: 3/8" = 1'-0"



2 INTERIOR NORTH ELEVATION AT TRAINING CLASSROOM #100
SCALE: 3/8" = 1'-0"



1 INTERIOR WEST ELEVATION AT TRAINING CLASSROOM #100
SCALE: 3/8" = 1'-0"

SUBMISSIONS & REVISIONS		
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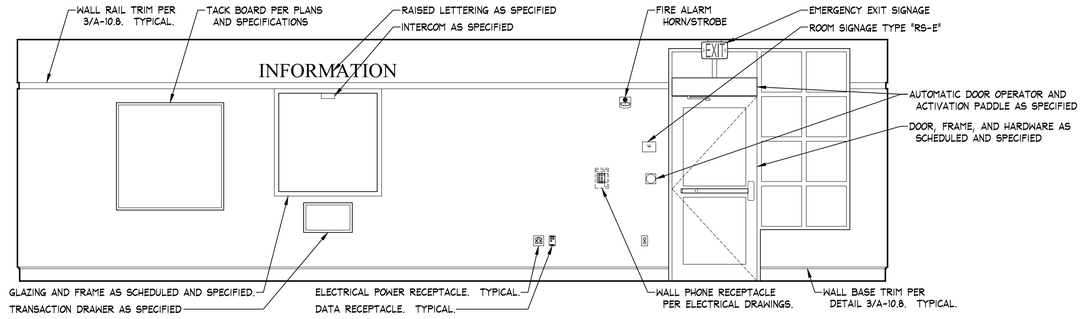
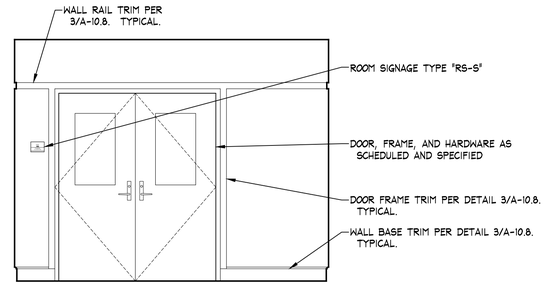
INTERIOR ELEVATIONS

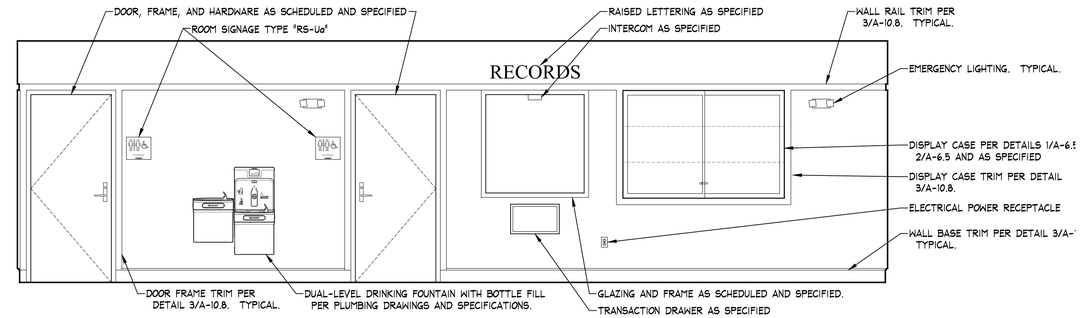
PROJ. NO.	DRAWING NO.
JH1830	F-2.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



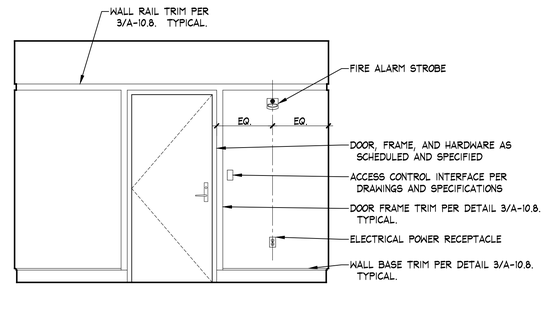
6 **INTERIOR SOUTH ELEVATION AT PUBLIC LOBBY #106**
SCALE: 3/8" = 1'-0"



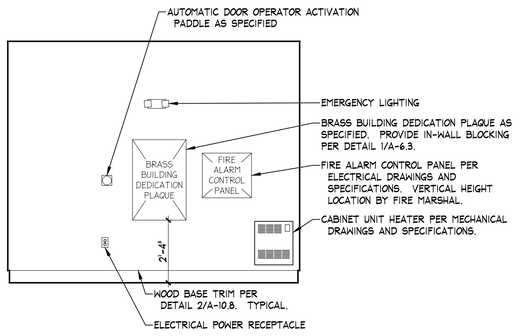
3 **INTERIOR WEST ELEVATION AT PUBLIC LOBBY #106**
SCALE: 3/8" = 1'-0"



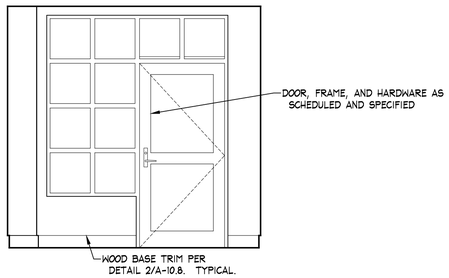
5 **INTERIOR NORTH ELEVATION AT PUBLIC LOBBY #106**
SCALE: 3/8" = 1'-0"



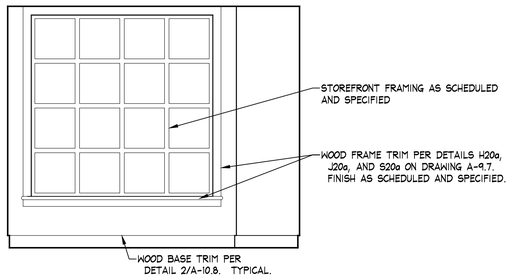
2 **INTERIOR EAST ELEVATION AT PUBLIC LOBBY #106**
SCALE: 3/8" = 1'-0"



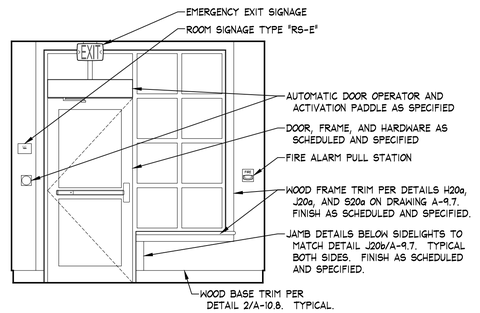
8 **INTERIOR EAST ELEVATION AT VEST. #101**
SCALE: 3/8" = 1'-0"



7 **INTERIOR NORTH ELEVATION AT VEST. #101**
SCALE: 3/8" = 1'-0"



4 **INTERIOR WEST ELEVATION AT VEST. #101**
SCALE: 3/8" = 1'-0"



1 **INTERIOR SOUTH ELEVATION AT VEST. #101**
SCALE: 3/8" = 1'-0"

SUBMISSIONS & REVISIONS		
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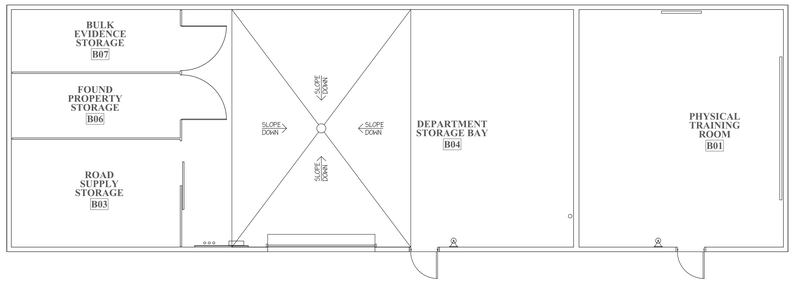
INTERIOR ELEVATIONS

PROJ. NO.	DRAWING NO.
JH1830	F-2.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

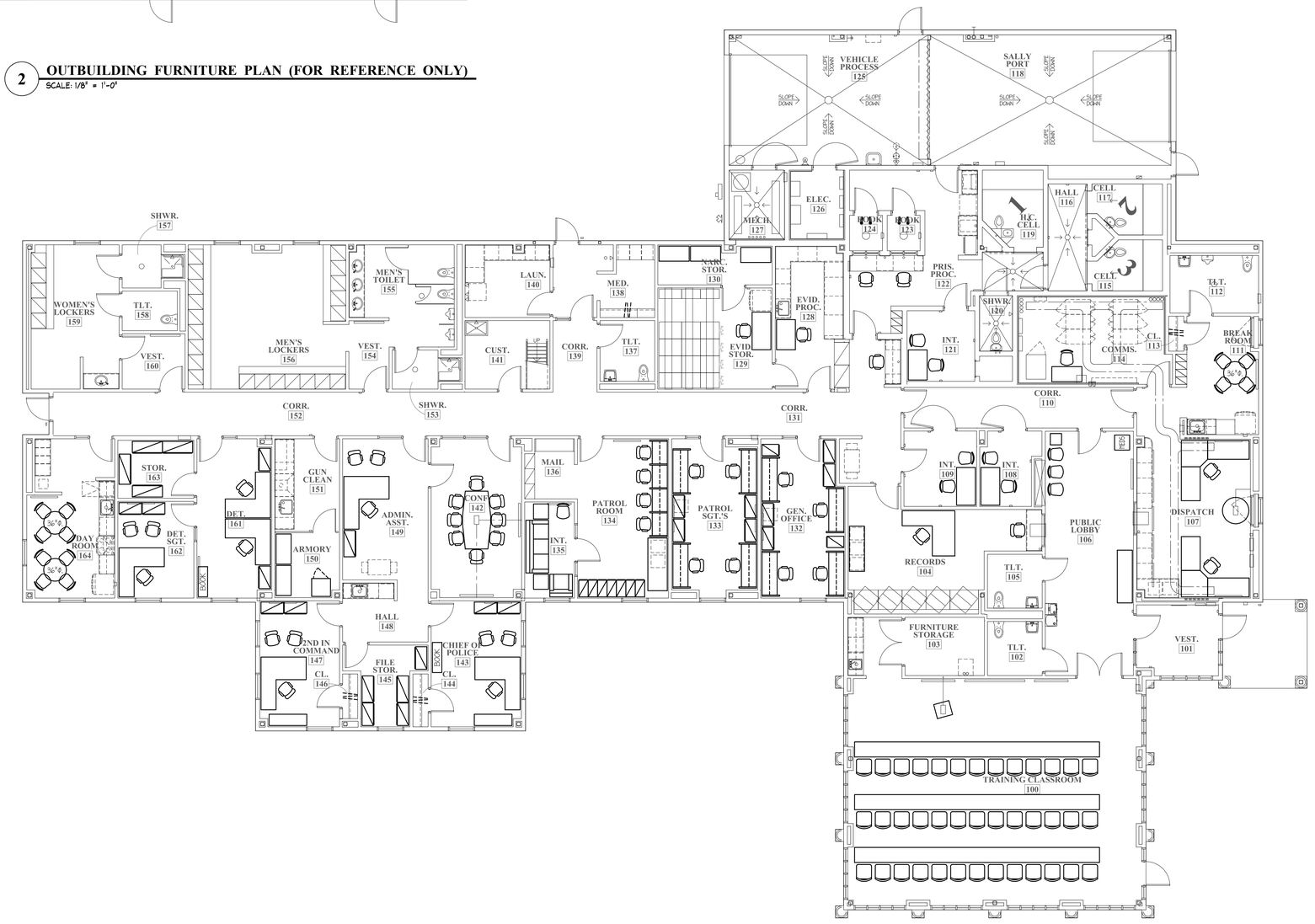


0 4' 8' 16'

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

2 OUTBUILDING FURNITURE PLAN (FOR REFERENCE ONLY)

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



0 4' 8' 16'

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

1 MAIN BUILDING FURNITURE PLAN (FOR REFERENCE ONLY)

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

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE

CARVER POLICE DEPARTMENT

CARVER, MASSACHUSETTS

3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC

15 MASSIRIO DRIVE
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BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FURNITURE PLANS (FOR REFERENCE ONLY)

PROJ. NO.	DRAWING NO.
JH1830	F-3.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	FIXTURE				FIXTURE			SERVICES					REMARKS
		MANUFACTURER	MODEL	TYPE	SIZE	MANUFACTURER	MODEL	TYPE	S/W	V	CW	HW	TW	
DC-C	COMBINATION LAV/TOILET	ACORN	1418-CT-2-BPH-EVSP2-PBH-1.28GPF-EVSPFV-PH-CW-SPS-SW	FLOOR MOUNTED WALL OUTLET	1.28 GPF	–	–	–	4"	2"	1"	1/2"	–	BLOCK WALL TYPE. THICKNESS PER PLANS. PROVIDE PAPER HOLDER, COORDINATE WITH ARCHITECT. PROVIDE ELECTRONIC SOLENOID SHUT-OFF VALVE WITHIN PLUMBING CHASE. AND CONTROL SWITCH LOCATED PER ARCHITECTURAL LARGE SCALE PLAN.
DC-H	COMBINATION LAV/TOILET – ADA	ACORN	1432-AR-BPH-EVSP2-PBH-1.28GPF-EVSPFV-GBC2-PH-CW-SPS-SW	FLOOR MOUNTED WALL OUTLET	1.28 GPF	–	–	–	4"	2"	1"	1/2"	–	HANDICAP ACCESSIBLE. BLOCK WALL TYPE. THICKNESS PER PLANS. PROVIDE PAPER HOLDER, COORDINATE WITH ARCHITECT. PROVIDE ELECTRONIC SOLENOID SHUT-OFF VALVE WITHIN PLUMBING CHASE. AND CONTROL SWITCH LOCATED PER ARCHITECTURAL LARGE SCALE PLAN.
DC-L	COMBINATION LAV/TOILET	ACORN	1418-AL-BPH-EVSP2-PBH-1.28GPF-EVSPFV-PH-CW-SPS-SW	FLOOR MOUNTED WALL OUTLET	1.28 GPF	–	–	–	4"	2"	1"	1/2"	–	BLOCK WALL TYPE. THICKNESS PER PLANS. PROVIDE PAPER HOLDER, COORDINATE WITH ARCHITECT. PROVIDE ELECTRONIC SOLENOID SHUT-OFF VALVE WITHIN PLUMBING CHASE. AND CONTROL SWITCH LOCATED PER ARCHITECTURAL LARGE SCALE PLAN.
DC-R	COMBINATION LAV/TOILET	ACORN	1418-AR-BPH-EVSP2-PBH-1.28GPF-EVSPFV-PH-CW-SPS-SW	FLOOR MOUNTED WALL OUTLET	1.28 GPF	–	–	–	4"	2"	1"	1/2"	–	BLOCK WALL TYPE. THICKNESS PER PLANS. PROVIDE PAPER HOLDER, COORDINATE WITH ARCHITECT. PROVIDE ELECTRONIC SOLENOID SHUT-OFF VALVE WITHIN PLUMBING CHASE. AND CONTROL SWITCH LOCATED PER ARCHITECTURAL LARGE SCALE PLAN.
DF-D	DRINKING FOUNTAIN	ELKAY	LZSTL8WSSP	WALL MOUNTED	1.1 GPM	–	–	–	2"	2"	1/2"	–		PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
DS-C	DETENTION GRADE SHOWER VALVE	SYMMONS	4-420	PENAL	–	–	–	–	–	–	1/2"	1/2"	–	INTEGRAL SERVICE STOP, VANDAL RESISTANT, ADJUSTABLE TIMING, SHOWER VALVE TO BE OUTSIDE OF SHOWER ROOM. RUN 1/2"MIXED WATER LINE TO SHOWER HEAD.
DS-H	DETENTION GRADE SHOWER SYSTEM	SYMMONS	4-295-1.5-B	PENAL	1.5 GPM	SEE FIXTURE DS-C			–	–	–	–	1/2"	VANDAL RESISTANT, SUPPLIED BY 1/2"MIXED WATER LINE FROM SHOWER VALVE.
EM-ES	EMERGENCY EYE WASH AND SHOWER	GUARDIAN	GBF1994	FLOOR MOUNTED	–	LEONARD	TM-800-LF	MIXING VALVE	–	–	1-1/2"	1-1/2"	–	ADA COMPLIANT
HB-BW	BOOT WASH HOSE BIBB	SYMMONS	S-2490-CHKS	WALL MOUNTED SERVICE FAUCET	–	–	–	–	–	–	1/2"	1/2"	–	MOUNT SO TOP OF CONTROLS ARE 36" ABOVE FINISH FLOOR. PROVIDE STERN WILLIAMS HOSE AND WALL HOOK T-35
HB-EX	EXTERIOR WALL HYDRANT	JAY R SMITH	5509QT-08(205)	WALL MOUNTED	–	–	–	–	–	–	1/2"	–	–	–
HB-1	HOSE BIBB	CHICAGO	952-CP	WALL MOUNTED	–	–	–	–	–	–	1/2"	–	–	–
HB-LY	LAUNDRY WASHING MACHINE BOX	OATEY	38981	WALL MOUNTED	–	–	–	–	2"	2"	1/2"	1/2"	–	POWDER COATED METAL BOX WITH METAL FACEPLATE, 1/4 TURN BRASS BALL VALVES, COPPER SWEAT, TAIL PIECE. PROVIDE OATEY FACEPLATE 38975, OATEY BRACKETS 38976. PROVIDE SHOCK ABSORBERS.
IM-F	ICE MAKER BOX	OATEY	38689	WALL MOUNTED	–	–	–	–	–	–	1/2"	–	–	POWDER COATED METAL BOX WITH METAL FACEPLATE, 1/4 TURN BRASS BALL VALVE, COPPER SWEAT. PROVIDE FACEPLATE OATEY 38686. PROVIDE SHOCK ABSORBER.
LV-C	LAVATORY – ADA	KOHLER	K-2699-4-0	TOP MOUNT (COUNTER)	0.5 GPM	AMERICAN STANDARD	7385.050-002	MANUAL (SINGLE LEVER)	2"	2"	1/2"	1/2"	–	ADA COMPLIANT. VITREOUS CHINA. PROVIDE CHROME PLATED ANGLE STOPS. PROVIDE TRUBRO LAVGUARD II 103 E-Z ON ALL EXPOSED PIPING. PROVIDE P-TRAP AND MCGUIRE 155WC OFFSET LAVATORY GRID STRAINER.
LV-W	LAVATORY	KOHLER	K-1729-0	WALL MOUNTED	0.5 GPM	AMERICAN STANDARD	7385.050-002	MANUAL (SINGLE LEVER)	2"	2"	1/2"	1/2"	–	ADA COMPLIANT. VITREOUS CHINA. RIM MOUNTED AT 34" ABOVE FINISH FLOOR. PROVIDE CHROME PLATED ANGLE STOPS. PROVIDE TRUBRO LAVGUARD II 103 E-Z ON ALL EXPOSED PIPING. PROVIDE P-TRAP AND MCGUIRE 155WC OFFSET LAVATORY GRID STRAINER. PROVIDE LAV. WALL CARRIER WITH LEGS.
SH-HT	SHOWER – ADA	AQUARIUS	S 41 36 BF 0T – 0.75-L	TRANSFER	2.5 GPM	SYMMONS	9605-PLR-T724	SHOWER/HAND SHOWER TRIM	2"	2"	1/2"	1/2"	–	ADA COMPLIANT, COLOR WHITE.
SI-CA	CLASSROOM SINK – ADA	ELKAY	D11721	TOP MOUNTED (COUNTER)	1.5 GPM	SYMMONS	SPB-3510-1.5-STN	MANUAL (SINGLE LEVER)	2"	2"	1/2"	1/2"	–	ADA COMPLIANT, MOUNT CONTROL ON WIDE SIDE OF SINK. LOCK FAUCET NECK SWIVEL CENTERED ON SINK BASIN. PROVIDE ELKAY D1125 DRAIN. PROVIDE CHROME PLATED ANGLE STOPS AND P-DRAIN.
SI-EP	LAB SINK (EVIDENCE PROCESSING)	DURCON	D45	DROP-IN	2.2 GPM	CHICAGO	786-GR8AE3V317XKAB	MANUAL	2"	2"	1/2"	1/2"	–	21.5"x15.5"x11"D. ROUTE COUNTER AS REQUIRED AND SET IN EPOXY CEMENT COLOR BLACK ONYX. PROVIDE DURCON SINK OUTLET S03 (EPOXY RESIN), AND DURCON SINK STOPPER USS2 (POLYPROPYLENE). PROVIDE CHROME PLATED ANGLE STOPS AND P-TRAP.
SI-GC	LAB SINK (GUN CLEANING)	DURCON	D33	DROP-IN	2.2 GPM	CHICAGO	786-GR8AE3V317XKAB	MANUAL	2"	2"	1/2"	1/2"	–	21"x17"x10"D, ROUTE COUNTER AS REQUIRED AND SET IN EPOXY CEMENT COLOR BLACK ONYX. PROVIDE DURCON SINK OUTLET S03 (EPOXY RESIN), AND DURCON SINK STOPPER USS2 (POLYPROPYLENE). PROVIDE CHROME PLATED ANGLE STOPS AND P-TRAP.
SI-KA	KITCHEN SINK	ELKAY	D12521-1	TOP MOUNTED (COUNTER)	1.5 GPM	ELKAY	LK5000-CR	MANUAL (SINGLE LEVER PULL OUT)	2"	2"	1/2"	1/2"	–	ADA COMPLIANT. PROVIDE CHROME PLATED ANGLE STOPS AND P-TRAP. PROVIDE ADDITIONAL 1/2"CW SHUT-OFF VALVE UNDER SINK FOR ACCESSORY SUPPLY. PROVIDE ELKAY DRAIN D1125. IN DAY ROOM 164 PROVIDE ADDITIONAL 1/2"HW SHUT-OFF VALVE AND DRAIN TAIL PIECE FOR DISHWASHER.
SS-F3	SERVICE SINK	STERN WILLIAMS	MTB-3624-SS	FLOOR MOUNTED	–	STERN WILLIAMS	T-10-VB	MOP SERVICE SINK FITTING	4"	2"	1/2"	1/2"	–	CAP ON 2 SIDES. PROVIDE STERN WILLIAMS HOSE AND WALL HOOK T-35, MOP HANGER T-40, AND SPLASH CATCHER BP. PROVIDE 1/2" WATTS 009 QT-S BACKFLOW PREVENTER ON HW & CW FEEDS. DISCHARGE TO SERVICE SINK.
SS-W	SERVICE SINK	KOHLER	K-6714-0	WALL MOUNTED	–	SYMMONS	S-2490-CHKS	MANUAL	3"	2"	1/2"	1/2"	–	ACID RESISTANT ENAMEL FINISH. PROVIDE ADJUSTABLE TRAP KOHLER K-6673. PROVIDE 1/2" WATTS 009 QT-S BACKFLOW PREVENTER ON HW & CW FEEDS. DISCHARGE TO SERVICE SINK.
UR-H	URINAL – ADA	KOHLER	K-25048-ET-0	WALL MOUNTED	0.5 GPF	KOHLER	K-13519-CP	MANUAL FLUSH VALVE	3"	2"	3/4"	–	–	ADA COMPLIANT. VITREOUS CHINA, RIM MOUNTED AT 17" ABOVE FINISH FLOOR.
UR-S	URINAL	KOHLER	K-25048-ET-0	WALL MOUNTED	0.5 GPF	KOHLER	K-13519-CP	MANUAL FLUSH VALVE	3"	2"	3/4"	–	–	ADA COMPLIANT. VITREOUS CHINA, RIM MOUNTED AT 24" ABOVE FINISH FLOOR.
WC-W	WATER CLOSET – ADA	KOHLER	K-4325-0	WALL MOUNTED	1.28 GPF	KOHLER	K-1317-CP	MANUAL FLUSH VALVE	4"	2"	1"	–	–	ADA COMPLIANT. VITREOUS CHINA, TOP OF SEAT MOUNTED AT 18" ABOVE FINISH FLOOR. PROVIDE KOHLER SEAT K-4731-GC-0. PROVIDE WALL CARRIER. PROVIDE FLUSH VALVE ON WIDE SIDE OF ROOM.
TP	TRAP PRIMER	PPP	PR-500	–	–	–	–	–	–	–	1/2"	–	–	PROVIDE FOR ALL FLOOR DRAINS AND TRENCH DRAINS.

NOTES:
1. ALL FIXTURES SHALL BE MA PLUMBING BOARD APPROVED.
2. ALL ADA FIXTURES SHALL BE INSTALLED PER MAAB REQUIREMENTS.
3. ALL PLUMBING FIXTURES, EQUIPMENT & ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
4. FOR ALL LAVATORIES PROVIDE POWERS LFLM495 THERMOSTATIC TEMPERING VALVES

DRAIN SCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL	OUTLET	STRAINER	REMARKS
FD-BW	FLOOR DRAIN (BOOT WASH)	J.R. SMITH	2005Y-B-NB-P050-B	2"	6" SQUARE NICKEL BRONZE	CAST IRON BODY, NO-HUB, ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION, SEDIMENT BUCKET.
FD-DE	FLOOR DRAIN (DETENTION)	J.R. SMITH	2005Y-A-NB-P050	2"	6"ø NICKEL BRONZE	CAST IRON BODY, NO-HUB, ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION.
FD-LR	FLOOR DRAIN (LOCKERS)	J.R. SMITH	2005Y-B-NB-P050	2"	6" SQUARE NICKEL BRONZE	CAST IRON BODY, NO-HUB, ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION.
FD-MR	FLOOR DRAIN (MECH. ROOM)	J.R. SMITH	2110Y-NB-P050-B	4"	8-1/2" ø NICKEL BRONZE	CAST IRON BODY, NO-HUB, CAST IRON GRATE, TRAP PRIMER CONNECTION, SEDIMENT BUCKET.
FD-SP	FLOOR DRAIN (HEAVY DUTY)	ZURN	Z541-NH-G-P-VP	4"	–	GALVANIZED CAST IRON BODY, NO-HUB, TRAP PRIMER CONNECTION, VANDAL PROOF SECURED TOP, SEDIMENT BUCKET
RD-O	ROOF DRAIN WITH OVERFLOW	FROET	100C4-LP-DC-DP-OFS	4"	CAST IRON DOME	CAST IRON BODY WITH SEPARATE OVERFLOW DRAIN
OD-N	OVERFLOW DRAIN DISCHARGE NOZZLE	FROET	LPS(4)	4"	–	CHAMELEON DOWNSPOUT WITH FLAPPER DARK ANODIZED BRONZE

NOTES: ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTIONS TP OR TG TRAPGUARD.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL #	FLOW RATE	WATER SUPPLY		REMARKS
				INLETS	OUTLET	
TMV-1	POWERS	LFMM433-1	37 GPM	1-1/4"	1 1/4"	SET TEMPERATURE TO 120 DEGREES. MAX DIFF. PRESSURE = 5 PSI.

NOTE: PROVIDE WALL MOUNTING BRACKET MIXING VALVE.

WATER HEATER SCHEDULE

SYMBOL	MODEL #	MANUFACTURER	CAPACITY	RECOVERY		WATER SUPPLY		ELECTRICAL				REMARKS
				GPH	△T	CW	HW	KW	VOLTS	PHASE	HZ	
EWH-1	CSB 120 12 SFE(A)	STATE	120 GAL	82	60°	1-1/4"	1-1/4"	12	208	3	60	ASME TANK.

NOTES:
–

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL #	CAPACITY	MAX. ACCEPT. FACTOR	CW SUPPLY	REMARKS
ET-1	AMTROL	ST-12-C	6.4 GALLONS	.45	3/4"	THERM-X-TROL, IN-LINE, MAX. OPERATING TEMPERATURE - 200°F, MAX. WORKING PRESSURE - 150 PSIG, CHARGE TO CITY WATER PRESSURE.

NOTES:
INSTALL PER ALL MA CODE AND MANUFACTURER'S INSTALLATION REQUIREMENTS.

RECIRCULATION PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL #	CAPACITY			ELECTRICAL				REMARKS
			GPM	HEAD	HP	AMPS	VOLTS	PHASE	HZ	
RP-1	TACO	007-SF5	5	9'	1/25	0.79	115	1	60	STAINLESS STEEL, 125 PSI MAX. INSTALL ON 120°F HOT WATER RETURN SYSTEM.

NOTE: INSTALL PER MA CODE AND MANUFACTURER'S REQUIREMENTS.

PLUMBING LEGEND

CW	COLD WATER
CW	COLD WATER BELOW FLOOR OR BURIED
NPCW	NON-POTABLE COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
S or W or GW	SOIL OR WASTE OR GARAGE WASTE
S or W or GW	SOIL OR WASTE OR GARAGE WASTE BELOW FLOOR OR BURIED
V or GV	VENT OR GARAGE VENT
V or GV	VENT OR GARAGE VENT BELOW FLOOR OR BURIED
CONT	CONTINUATION
UP	PIPE RISE OR UP
DP or DN	PIPE DROP OR DOWN
TEE	PIPE TEE
SOV	SHUT-OFF VALVE
PRV	PRESSURE REDUCING VALVE
VIV	VALVE IN VERTICAL
CV	CHECK VALVE
BVA	BALANCING VALVE ASSEMBLY
W & T	WASTE & TRAP
FCO or GCO	FLUSH FLOOR CLEANOUT OR GROUND CLEANOUT
	ARROW INDICATES DIRECTION OF FLOW
.01	ARROW INDICATES DIRECTION OF SLOPE
	UNION
WTS	WATERTIGHT SLEEVE
TP	TRAP PRIMER
HB	HOSE BIBB
WH	WALL HYDRANT
1 / P-1	DIAGRAM NO. & DWG. NO. REFERENCE
FD "A"	FLOOR DRAIN & TYPE
DCVA	HORIZONTAL DOUBLE CHECK VALVE ASSEMBLY
WM	WATER METER
T	THERMOMETER
PG	PRESSURE GAUGE WITH PETCOCK
T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
	VACUUM RELIEF VALVE
VTR	VENT THRU ROOF
INV	INVERT
TYP	TYPICAL
NTS	NOT TO SCALE
FFE	FINISH FLOOR ELEVATION
LPC	LIMIT OF PLUMBING CONTRACT
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FPC	FIRE PROTECTION CONTRACTOR
S=.01	SLOPE = 1/8" PER FOOT
S=.02	SLOPE = 1/4" PER FOOT
NO	NORMALLY OPEN
NC	NORMALLY CLOSED

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PLUMBING LEGEND AND SCHEDULES

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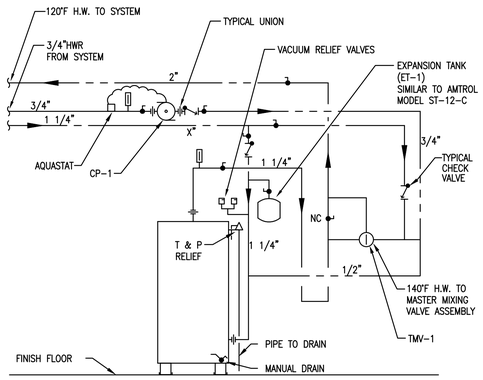
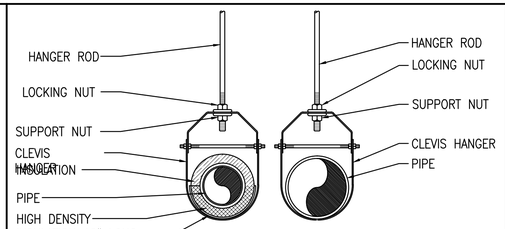


1 ELECTRIC WATER HEATER – EWH-1 NTS

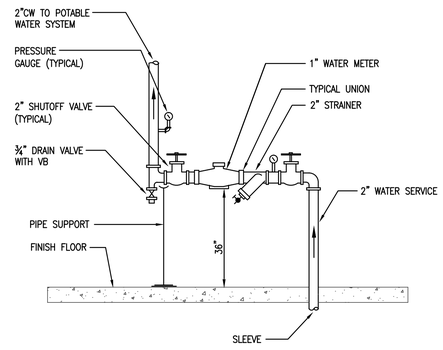


HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	⅜" DIA.
2½" THRU 3"	½" DIA.
4" AND 5"	⅝"
6" THRU 8"	¾"
12"	⅞"

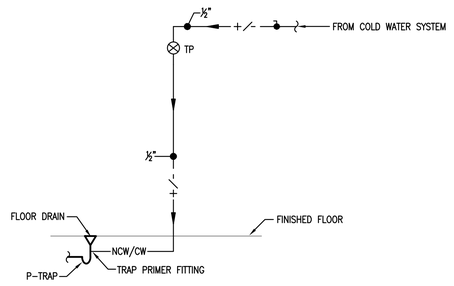
HANGER ROD SPACING	
PIPE SIZE	MAX. ALLOWABLE SPACING
1"	7'
1 ¼"	8'
1 ½"	9'
2"	10'
2 ½"	11'
3" THRU 8"	12'
10" & 12"	15'

INSULATED AND NON INSULATED PLUMBING SYSTEMS

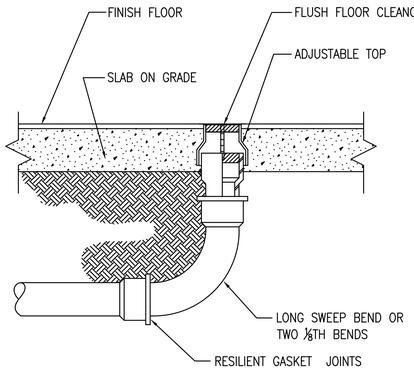
2 CLEVIS PIPE HANGER/ROD INSTALLATION NTS



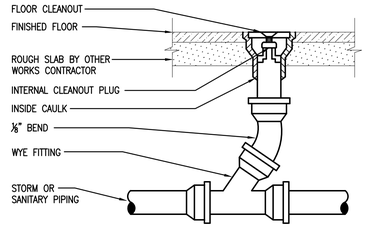
3 DOMESTIC WATER METER DIAGRAM NTS



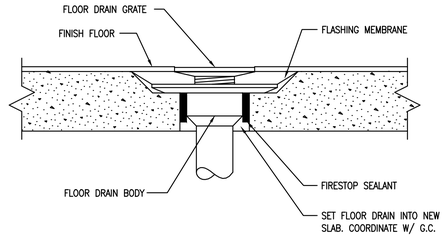
4 TRAP PRIMER PIPING DIAGRAM NTS



5 END OF RUN FCO INSTALLATION NTS



6 IN THE RUN CLEANOUT NTS



7 FLOOR DRAIN INSTALLATION – NEW SLAB NTS

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PLUMBING DETAILS

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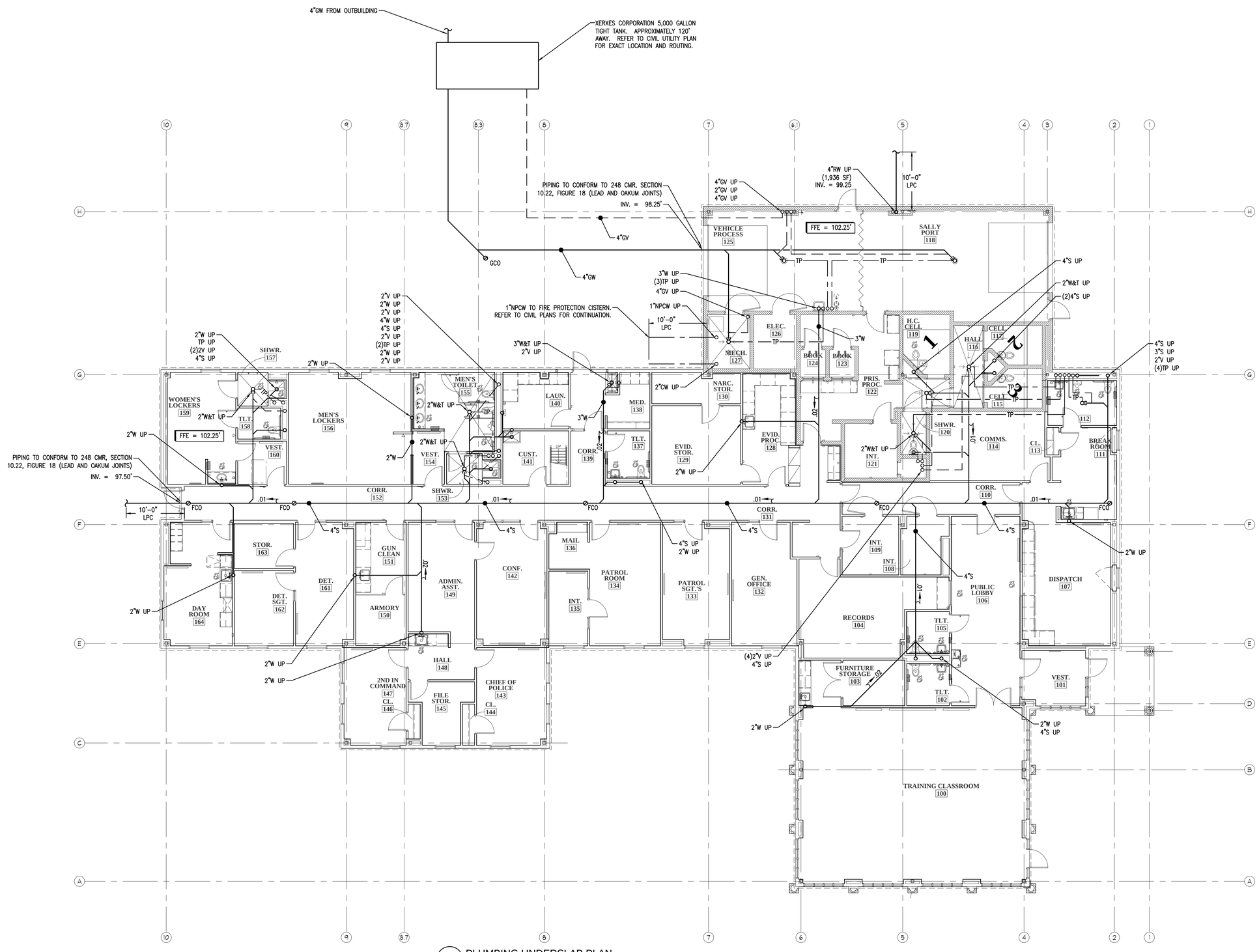

1 PLUMBING UNDERSLAB PLAN
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PLUMBING UNDERSLAB PLAN

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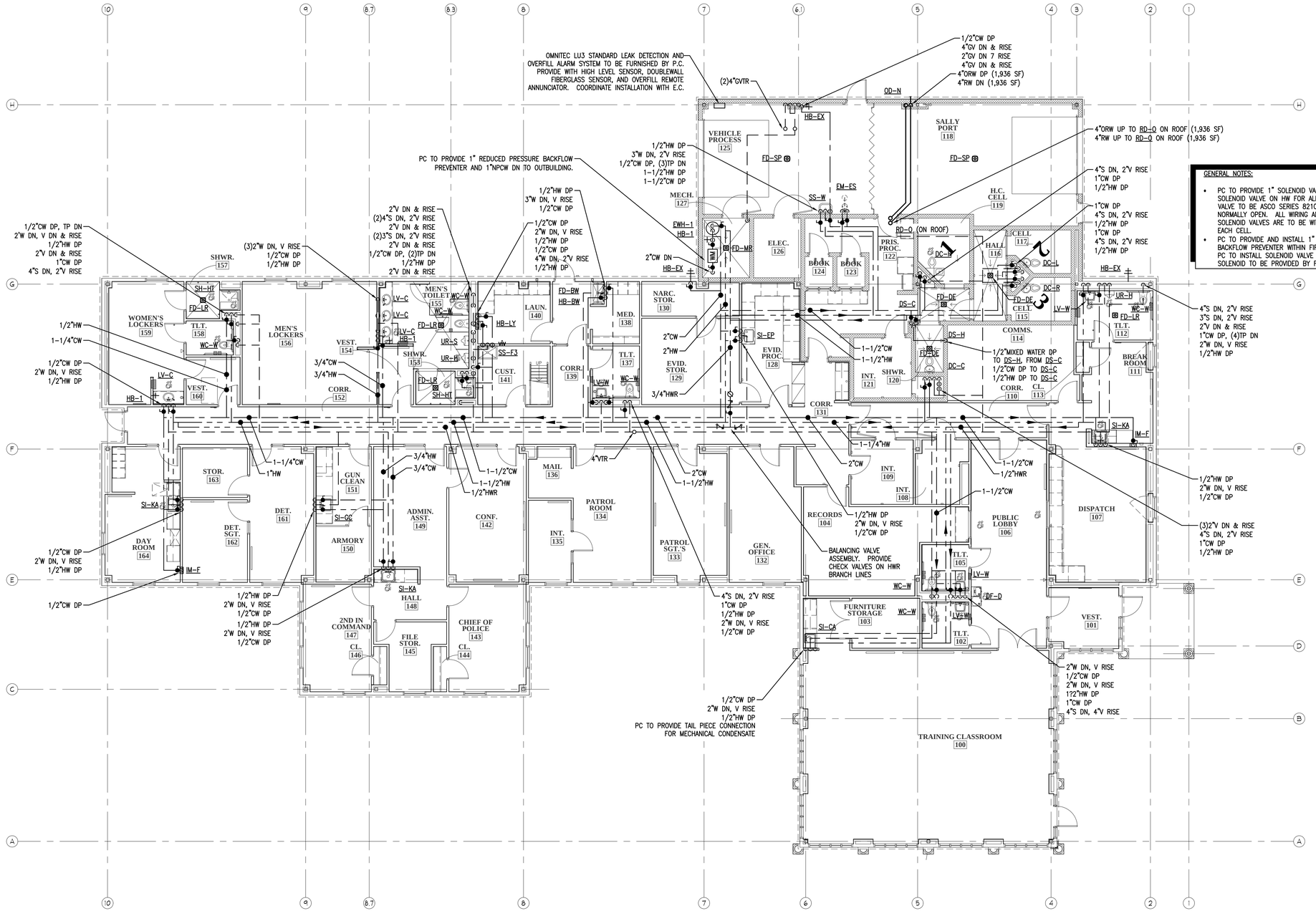

1 PLUMBING FLOOR PLAN
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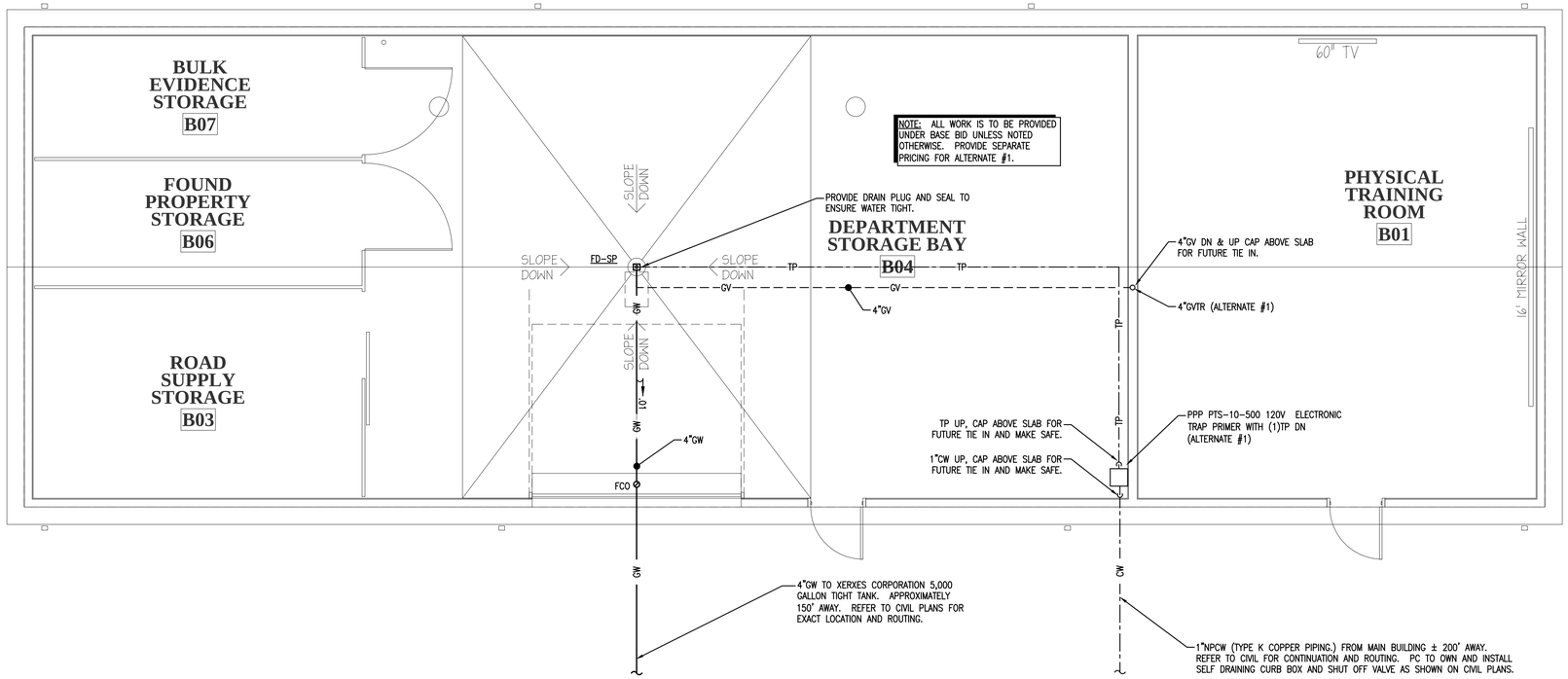
BER
BUILDING ENGINEERING RESOURCES, INC.
66 Main Street, N. Easton, MA 02356, T 508.230.0260, F 508.230.0265
100 Midway Road - Suite 23, Cranston, RI 02920, T 401.942.3500, F 401.228.6205
ber@ber-engineering.com, www.ber-engineering.com

PROJ. NO.	DRAWING NO.
JH1830	P-2.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



1 PLUMBING OUTBUILDING PLAN
1/4"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

PLUMBING FLOOR PLAN (OUTBUILDING)

B|E|R
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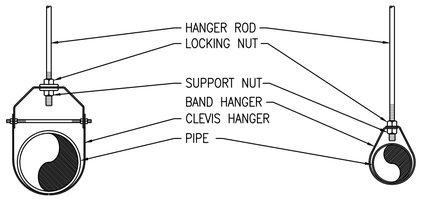
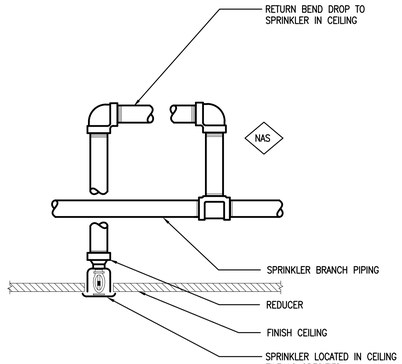


HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	⅜" DIA.
2½" &3"	½" DIA.
4" AND 5"	⅝"
6" – 8"	¾"
10" & 12"	⅞"

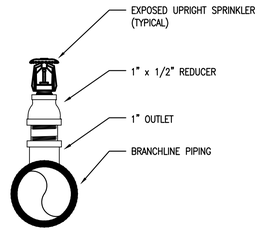
HANGER ROD SPACING	
PIPE SIZE	MAX. ALLOWABLE SPACING
1"	7'
1¼"	8'
1½"	9'
2"	10'
2½"	11'
3" – 12"	12'

FIRE PROTECTION SYSTEMS

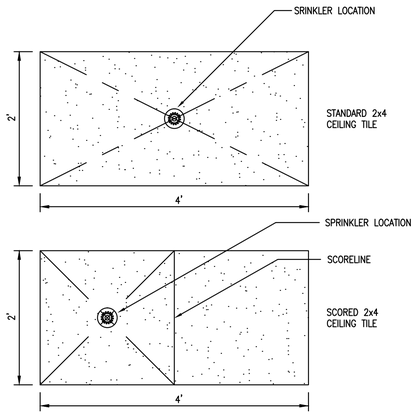
1 TYPICAL PIPE HANGER DIAGRAM NTS



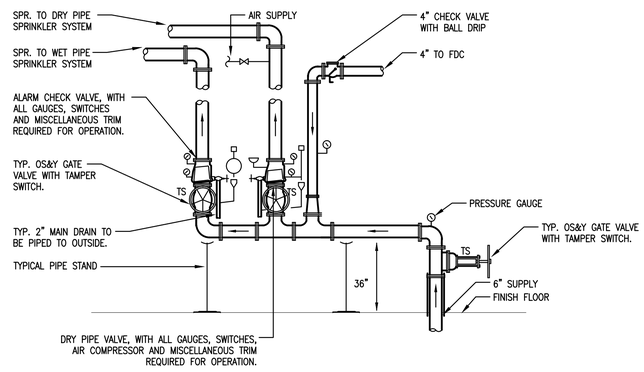
2 TYPICAL CONCEALED SPRINKLER RETURN BEND DROP NTS



3 EXPOSED UPRIGHT SPRINKLER NTS



4 SPRINKLER LOCATION IN CEILING TILES NTS



5 FIRE PROTECTION SERVICE ENTRANCE NTS

FIRE PROTECTION LEGEND

———		NEW WORK PIPING (INDICATED AS HEAVY LINE)
———	ETR	EXISTING TO REMAIN (INDICATED AS LIGHT LINE)
——F——	F	FIRE SERVICE BELOW GRADE OR BURIED
——WS——	WS	WET SPRINKLER PIPE
——DS——	DS	DRY SPRINKLER PIPE
———o———		PIPE TEE LOOKING UP
———⊙———		PIPE TEE LOOKING DOWN
———o———	UP	PIPE ELBOW UP
———⊙———	DN/DROP	PIPE ELBOW DOWN OR DROP
——~——	CONT	CONTINUATION
——►——		FLOW IN DIRECTION OF ARROW
——⏚——	UN	UNION
——PG——	PG	PRESSURE GAUGE WITH PETCOCK
——FS——	FS	FLOW SWITCH
——PS——	PS	PRESSURE SWITCH
——▷|——	CV	CHECK VALVE
——TS——	TS	GATE VALVE WITH TAMPER SWITCH
——TS——	OS&Y W/TS	OS & Y GATE VALVE WITH TAMPER SWITCH
	WACV	ALARM CHECK VALVE (WET SYSTEM)
	DACV	ALARM CHECK VALVE (DRY SYSTEM)
——‖——	SC	STORZ CONNECTION
	U	UPRIGHT WET SPRINKLER
	C	CONCEALED WET SPRINKLER
	CI	CONCEALED INSTITUTIONAL SPRINKLER
	SD	SIDEWALL DRY SPRINKLER
	#	NODE NUMBER
	#	SPRINKLER NUMBER
	NAS	NO AUTOMATIC SPRINKLERS
	EB	ELECTRIC BELL / WATER MOTOR GONG
	LFPC	LIMIT OF FIRE PROTECTION CONTRACT
	GC	GENERAL CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
CARVER, MASSACHUSETTS
3 CENTER STREET

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
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FIRE PROTECTION LEGEND AND DETAILS

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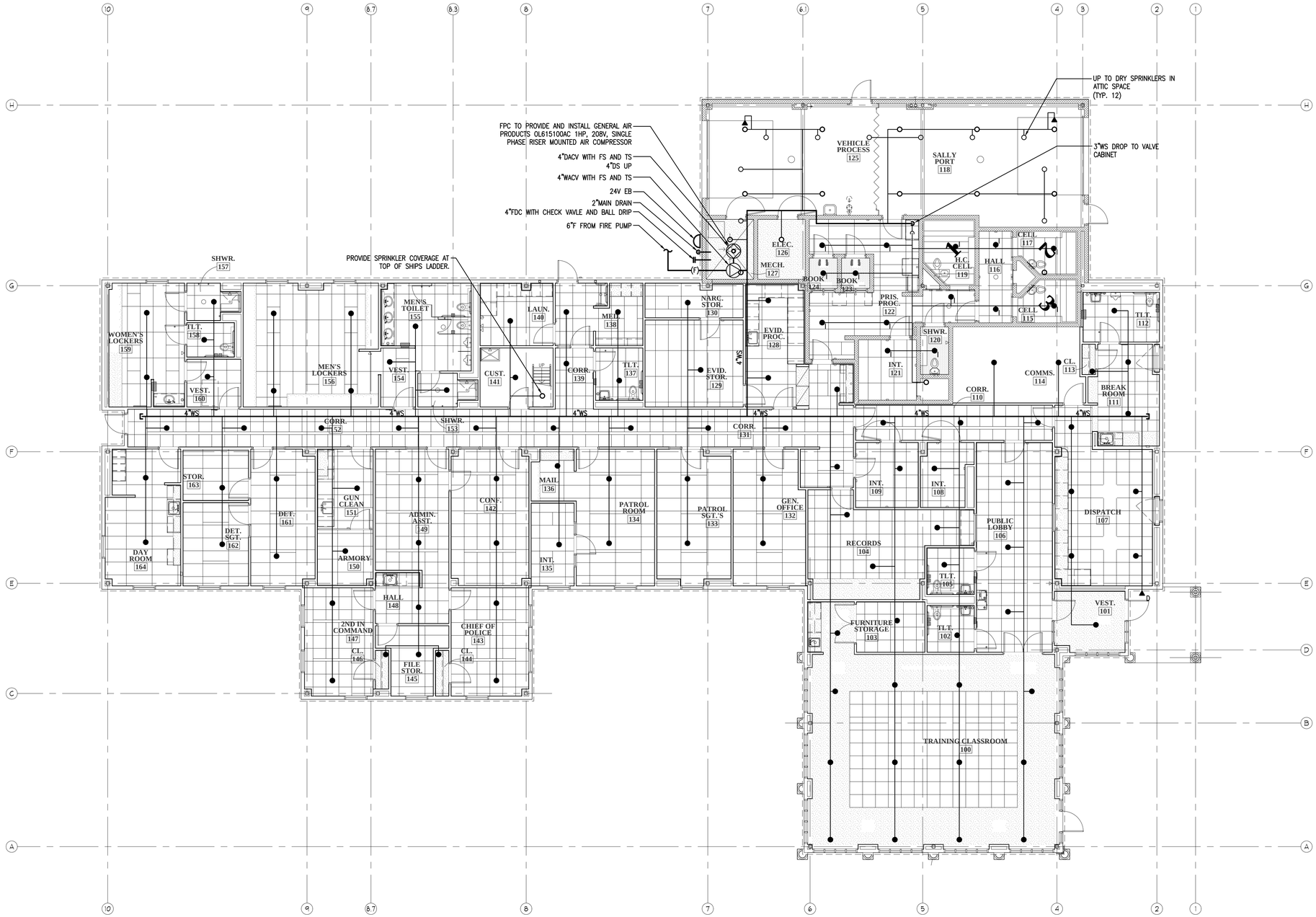

1 FIRE PROTECTION FLOOR PLAN
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

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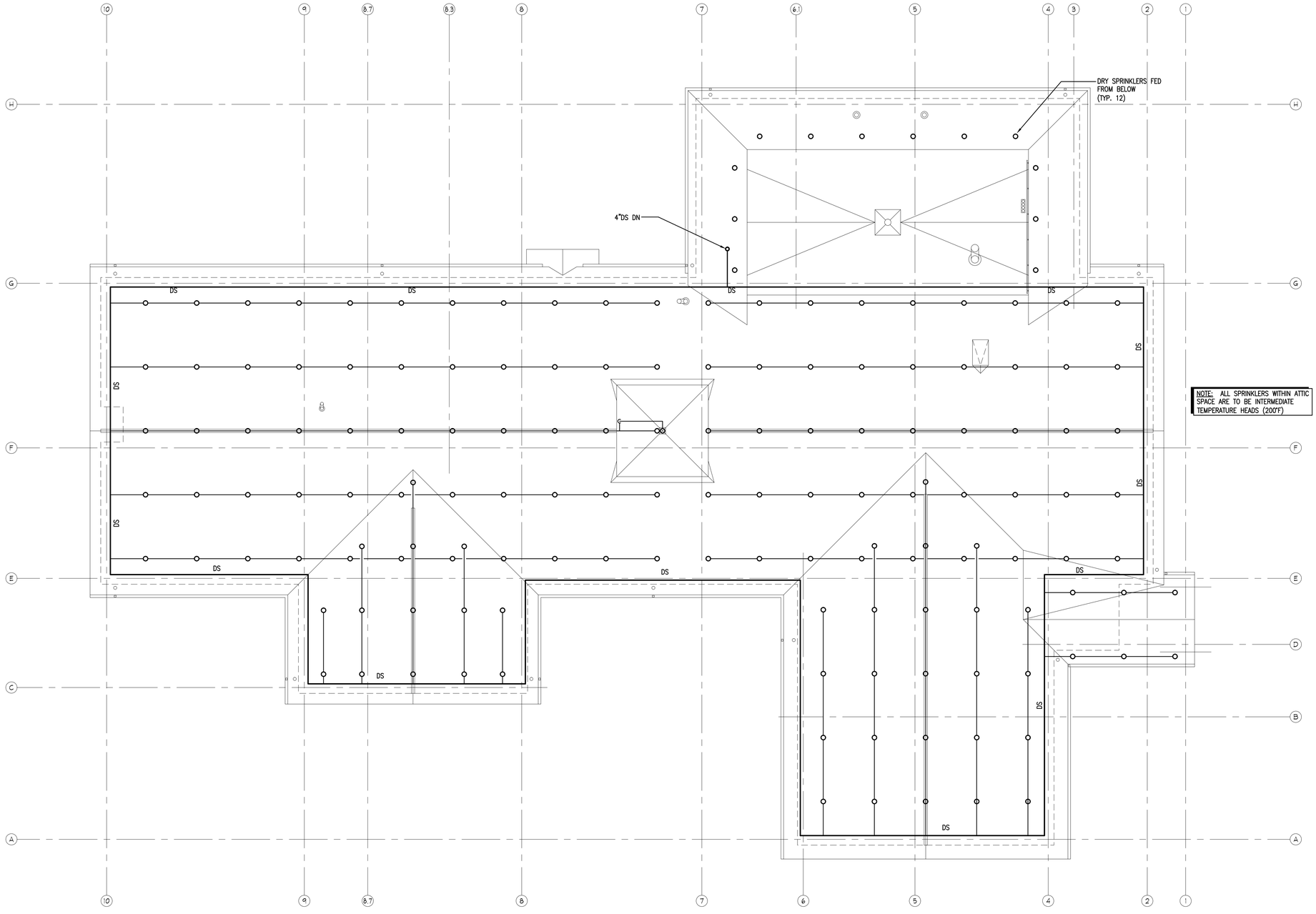

NOTE: ALL SPRINKLERS WITHIN ATTIC SPACE ARE TO BE INTERMEDIATE TEMPERATURE HEADS (200°F)

1 FIRE PROTECTION ATTIC PLAN
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

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FIRE PROTECTION ATTIC PLAN

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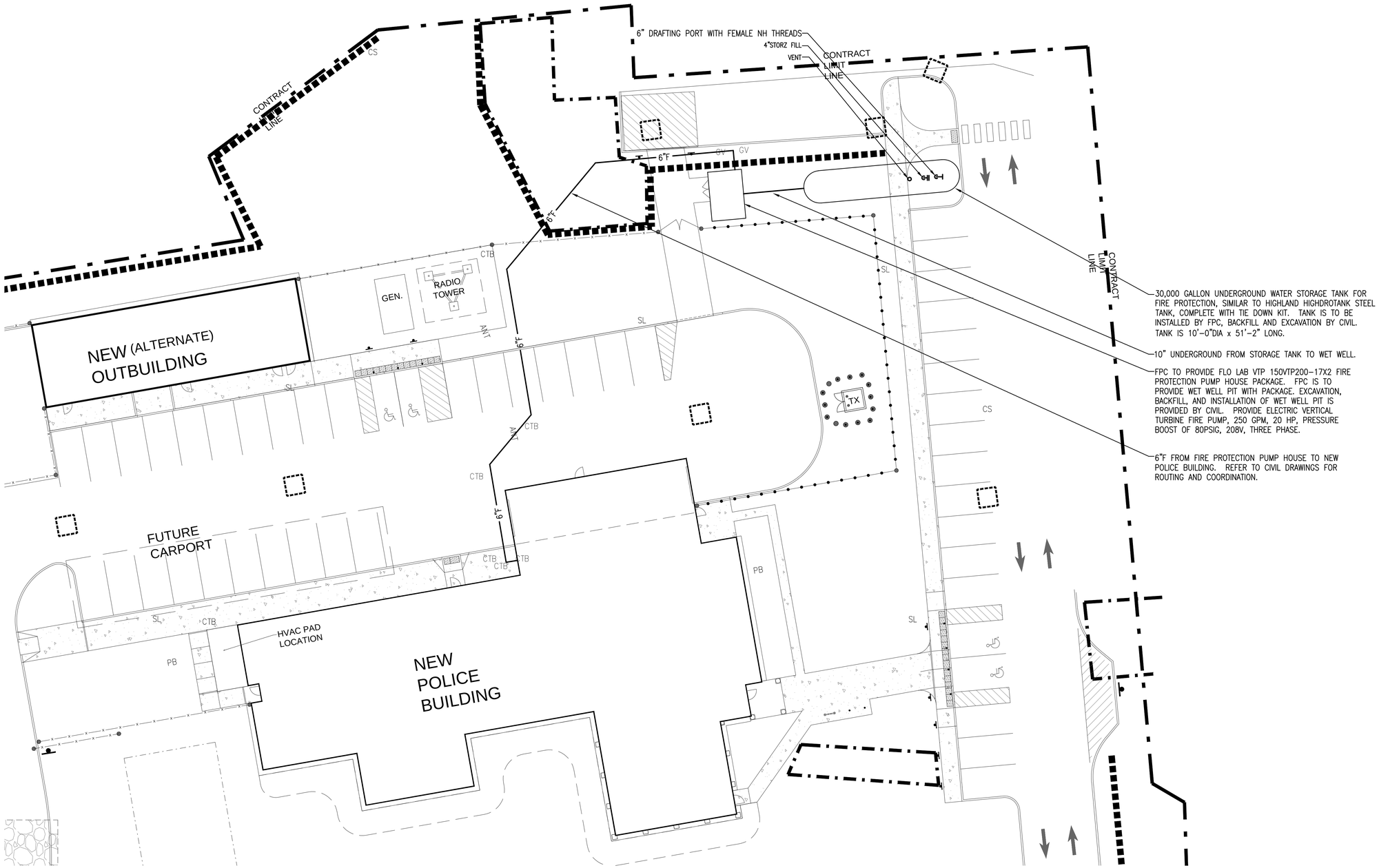

1 FIRE PROTECTION SITE PLAN
1/16"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

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FIRE PROTECTION SITE PLAN

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ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AH	AIR HANDLER
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROL
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
BMS	BUILDING MANAGEMENT SYSTEM
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CON	COLD CONDENSATE
COP	COEFFICIENT OF PERFORMANCE
CT	COOLING TOWER
CU	COMPRESSOR UNIT
CUH	CABINET UNIT HEATER
dB	DECIBELS
DN	DOWN
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE (DRY BULB)
EBB	ELECTRIC BASEBOARD
E.C.	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWB	ENTERING WET BULB TEMPERATURE
°F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FSD	COMBINATION FIRE/SMOKE DAMPER
FT	FEET
FT WG	FEET WATER GAUGE
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
IN	INCHES
IN WG	INCHES WATER GAUGE
KW	KILOWATTS
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
MAX	MAXIMUM
MBH	THOUSANDS OF BTU / HOUR
M.C.	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE (DRY BULB)
ODB	OUTSIDE DRY BULB TEMPERATURE
OWB	OUTSIDE WET BULB TEMPERATURE
PH	PHASE
QTY	QUANTITY
REF	REFRIGERANT
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UOI	UNLESS OTHERWISE INDICATED
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	DUCTWORK (DOUBLE LINE)
	DUCTWORK WITH ACOUSTICAL LINING (DOUBLE LINE)
	DUCTWORK (SINGLE LINE)
	DUCTWORK WITH ACOUSTICAL LINING (SINGLE LINE)
	FLEXIBLE DUCTWORK
	RECTANGULAR/ROUND SUPPLY AIR DUCTWORK UP
	RECTANGULAR/ROUND RETURN AIR DUCTWORK UP
	RECTANGULAR/ROUND EXHAUST AIR DUCTWORK UP
	RECTANGULAR/ROUND SUPPLY AIR DUCTWORK DOWN
	RECTANGULAR/ROUND RETURN AIR DUCTWORK DOWN
	RECTANGULAR/ROUND EXHAUST AIR DUCTWORK DOWN
	VOLUME DAMPER
	CONTROL DAMPER
	FIRE DAMPER OR CEILING RADIATION DAMPER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	GRAVITY BACKDRAFT DAMPER
	COUNTERBALANCED BACKDRAFT DAMPER
REF	REFRIGERANT PIPING
CON	COOLING COIL CONDENSATE PIPING
	ELBOW UP
	ELBOW DOWN
	TEE DOWN
	TEE UP
	FLOW DIRECTION
	PIPE CLEANOUT
	CONNECT TO EXISTING
	AIR ENTERING OPENING
	AIR LEAVING OPENING
CO	CO/NOx DETECTOR
C2	REMOTE CO2 SENSOR
S	SWITCH
T	THERMOSTAT OR TEMPERATURE SENSOR
	CONTROL CONNECTION

DUCTWORK PLAN GENERAL NOTES

1. UOI, DUCTWORK SHALL BE MOUNTED AS HIGH AS POSSIBLE, EXCEPT THAT DUCTWORK HEIGHT SHALL BE ADJUSTED AS NECESSARY FOR THE PROPER INSTALLATION OF EQUIPMENT, PIPING, AND CONDUIT.
2. UOI, FLEXIBLE DUCTS ARE ALLOWED ONLY AT CONNECTIONS TO DIFFUSERS AND GRILLES. FLEXIBLE DUCTS SHALL BE MAXIMUM 5'-0" LONG, SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS ONLY, AND SHALL BE SUSPENDED ABOVE THE CEILING.
3. WHERE BRANCH DUCT SIZES TO DIFFUSERS AND GRILLES ARE NOT INDICATED, SEE THE BRANCH DUCT COLUMN OF THE DIFFUSER AND GRILLE SCHEDULE.
4. DUCTWORK VISIBLE THROUGH THE FACE OF DIFFUSERS, GRILLES, AND LOUVERS SHALL BE PAINTED FLAT BLACK.
5. EXPOSED ROUND DUCTWORK SHALL BE SPIRAL LOCKSEAM TYPE.
6. UNLESS OTHERWISE INDICATED, ACOUSTICAL LINING SHALL BE 1" THICK.
7. DUCTWORK DIMENSIONS INDICATED ARE INSIDE CLEAR DIMENSIONS.

PIPING PLAN GENERAL NOTES

1. GRAVITY DRAIN COOLING COIL CONDENSATE PIPING SHALL BE PITCHED DOWNWARD TO DRAIN AT MINIMUM 1/8" PER FOOT. COOLING COIL CONDENSATE PIPING WITHIN THE BUILDING SHALL TERMINATE ABOVE AN INDIRECT WASTE RECEIVER, WITH A MINIMUM 2" AIR GAP ABOVE THE FLOOD RIM OF THE RECEIVER. JANITORS SINKS AND LAUNDRY TUBS MAY BE USED AS RECEIVERS. WHERE THERE ARE NO JANITORS SINKS OR LAUNDRY TUBS WITHIN THE VICINITY FOR PROPER GRAVITY DRAINAGE, PROVIDE TRAPPED, VENTED, AND PRIMED INDIRECT WASTE RECEIVERS CONNECTED TO THE BUILDING PLUMBING SYSTEM AS REQUIRED.

TAG LEGEND

EQUIPMENT (REQUIRING POWER)	EQUIPMENT DESIGNATION / NUMBER
EQUIPMENT (NON-POWERED)	EQUIPMENT DESIGNATION / NUMBER
REGISTERS, GRILLES & DIFFUSERS	TYPICAL FOR # DESIGNATION / BALANCE TO CFM INDICATED

ELECTRIC WALL HEATER SCHEDULE

GENERAL		PERFORMANCE						ELECTRICAL			PHYSICAL	REMARKS			
TAG	LOCATION	KW	STAGES	MBH	CFM	FAN SPEED	LAT (°F)	AMPS	VOLTAGE	PHASE	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
EH-1	LOBBY	1.5	1	5.12	100	MEDIUM	90	7.2	208	1	QMARK AWH4404F	①	①	1 2 3	①
EH-2	MED.	1.5	1	5.12	100	MEDIUM	90	7.2	208	1	QMARK AWH4404F	①	①	1 2 3	①
EH-3	MECH.	0.75	1	2.56	60	MEDIUM	93	6.25	120	1	QMARK CWH1151DSAF	①	①	1 2 3	①
EH-4	TLT.	0.75	1	2.56	60	MEDIUM	93	6.25	120	1	QMARK CWH1151DSAF	①	①	1 2 3	①

① WALL MOUNT

① LAT AT 60°F INLET AIR TEMPERATURE

1 INTEGRAL SINGLE STAGE THERMOSTAT
2 MANUAL RESET OVERTEMPERATURE CUT-OUT
3 DISCONNECT SWITCH

① MOUNT 12" ABOVE FINISHED FLOOR

VARIABLE REFRIGERANT VOLUME (VRV) SYSTEM AIR HANDLER SCHEDULE

GENERAL			PERFORMANCE								ELECTRICAL				PHYSICAL	REMARKS			
				CAPACITY		FAN			SOUND	MINIMUM OUTSIDE AIR									
TAG	LOCATION	COMP. UNIT	NOMINAL TONS	COOLING (MBH T/S)	HEATING (MBH)	CFM	ESP (IN WG)	SPEED	LEVEL (dBA)	CFM	%	MCA	MOP	VOLTAGE	PHASE	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
AH-1	WOMEN'S LOCKER	CU-1	1	10.99/7.94	11.18	371	0.6	MEDIUM	–	55	15	1.20	15	208	1	MITSUBISHI PEFY-P12NMAU-E3	①	①	1 2 3	①②
AH-2	ADMIN ASST.	CU-1	1.25	13.74/10.90	14.08	494	0.6	MEDIUM	–	75	15	1.45	15	208	1	MITSUBISHI PEFY-P15NMAU-E3	①	①	1 2 3	①②
AH-3	EVID. PROC.	CU-1	0.75	7.33/6.17	7.45	300	0.6	MEDIUM	–	55	18	1.05	15	208	1	MITSUBISHI PEFY-P08NMAU-E3	①	①	1 2 3	①②
AH-4	PRIS. PROC.	CU-1	1.25	13.74/10.90	14.08	500	0.6	MEDIUM	–	200	40	1.45	15	208	1	MITSUBISHI PEFY-P15NMAU-E3	①	①	1 2 3	①②
AH-5	BREAK ROOM	CU-1	0.5	5.50/5.50	5.55	300	0.6	MEDIUM	–	45	15	1.05	15	208	1	MITSUBISHI PEFY-P06NMAU-E3	①	①	1 2 3	①②
AH-6	RECORDS	CU-1	1.5	16.49/13.15	16.57	600	0.6	MEDIUM	–	100	17	1.56	15	208	1	MITSUBISHI PEFY-P18NMAU-E3	①	①	1 2 3	①②
AH-7	TRAINING CSRM.	CU-1	4	43.98/34.03	44.73	1412	0.6	MEDIUM	–	350	24	3.51	15	208	1	MITSUBISHI PEFY-P48NMAU-E3	①	①	1 2 3	①②
AH-8	PATROL ROOM	CU-1	3	32.98/26..80	33.13	1165	0.6	MEDIUM	–	170	15	3.50	15	208	1	MITSUBISHI PEFY-P36NMAU-E3	①	①	1 2 3	①②
AH-9	CHIEF OF PC.	CU-1	1	10.99/7.94	11.18	371	0.6	MEDIUM	–	40	11	1.20	15	208	1	MITSUBISHI PEFY-P12NMAU-E3	①	①	1 2 3	①②
AH-10	2ND IN COMMAND	CU-1	0.75	7.33/5.96	7.45	328	0.6	MEDIUM	–	30	10	0.25	15	208	1	MITSUBISHI PMFY-P08NBMU-ER5	②	①	1 2 3	①②
AH-11	DAY ROOM	CU-1	2	21.99/18.44	22.36	883	0.6	MEDIUM	–	110	13	2.73	15	208	1	MITSUBISHI PEFY-P24NMAU-E3	①	①	1 2 3	①②
AH-12	CONF.	CU-1	1	10.99/7.94	11.18	371	0.6	MEDIUM	–	55	15	1.20	15	208	1	MITSUBISHI PEFY-P12NMAU-E3	①	①	1 2 3	①②

① CEILING CONCEALED/DUCTED, MEDIUM STATIC, R-410A
② CEILING MOUNTED, RECESSED, 1-WAY BLOW, R-410A

① COOLING CAPACITY AT 75°F EDB, 63°F EWB, 95°F ODB. HEATING CAPACITY AT 70°F EDB, 0°F ODB, -1°F OWB.

1 CONDENSATE PUMP
2 REAR RETURN FILTER BOX
3 DRAIN PAN LEVEL SENSOR

① SEE DETAIL 8, DRAWING M-3.1, AND VRF SYSTEM DIAGRAM ON DRAWING M-3.2
② REFRIGERANT PIPING, CONDENSATE PIPING, CONDENSATE PUMP, CONTROL WIRING AND CONDUIT, POWER WIRING AND CONDUIT, RELAYS, AND OTHER DEVICES SHALL BE CONCEALED; THE ONLY COMPONENT VISIBLE SHALL BE THE AIR HANDLER. LOCATE CONDENSATE PUMP AND OTHER DEVICES REQUIRING ACCESS IN ACCESSIBLE LOCATIONS; COORDINATE LOCATIONS WITH THE ARCHITECT AND PROVIDE ACCESS PANELS WHERE REQUIRED.

ELECTRIC UNIT HEATER SCHEDULE

GENERAL		PERFORMANCE						ELECTRICAL			PHYSICAL	REMARKS				
TAG	LOCATION	KW	STAGES	MBH	CFM	FAN SPEED	LAT (°F)	AMPS	VOLTAGE	PHASE	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL	
UH-1	VEHICLE PROCESS 125	5	2	17	350	MED	96	24	208	3	QMARK MUH0581	①	①	1 2 3 4	①	
UH-2	SALLY PORT 118	5	2	17	350	MED	96	24	208	3	QMARK MUH0581	①	①	1 2 3 4	①	
UH-3A	STORAGE B04	10	2	34.1	650	MED	99	48	208	3	QMARK MUH108	①	①	1 2 3 4	①	ADD ALTERNATE # 1
UH-4A	STORAGE B04	10	2	34.1	650	MED	99	48	208	3	QMARK MUH108	①	①	1 2 3 4	①	ADD ALTERNATE # 1

① COMMERCIAL GRADE, HORIZONTAL MOUNT

① LAT AT 60°F INLET AIR TEMPERATURE

1 INTEGRAL TWO STAGE THERMOSTAT
2 MANUAL RESET OVERTEMPERATURE CUT-OUT
3 DISCONNECT SWITCH
4 BUILT-IN FAN AUTO-ON SWITCH

① MOUNT 1'-6" BELOW FINISHED CEILING

FAN SCHEDULE

GENERAL			PERFORMANCE					ELECTRICAL				PHYSICAL	REMARKS				
TAG	LOCATION	SERVICE	CFM	ESP (IN WG)	RPM	BHP	SONES	WATTS	HP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
EF-1	ATTIC	NARC. STORAGE	100	0.4	1,649	0.04	4.5	–	1/10	115	1	36	GREENHECK SQ-70-VG	①	①②	1 2 3 4 5 6	①②
EF-2	SALLYPORT	GARAGE EXHAUST	100	0.25	1,528	0.02	3.8	–	1/10	115	1	35	GREENHECK SQ-60-VG	①	①②	1 2 3 4 5 6	①②
EF-3	SALLYPORT	GARAGE EXHAUST	600	0.5	1,684	0.13	9.2	–	1/6	115	1	50	GREENHECK SQ-95-VG	①	①②	1 2 3 4 5 6	①②
EF-4	ATTIC	ARMORY HOOD	200	0.4	1,420	0.04	5.6	–	1/10	115	1	50	GREENHECK SQ-80-VG	①	①②	1 2 3 4 5 6	①②
EF-5A	OUTBUILDING STORAGE	EXHAUST	300	0.4	1,626	0.06	7.0	–	1/10	115	1	51	GREENHECK SQ-80-VG	①	①②	1 2 3 4 5 6	①②
EF-6	ATTIC	EMERGENCY SUPPLY	800	0.25	1,525	0.18	12.6	–	1/4	115	1	49	GREENHECK SQ-99-VG	①	①②	1 2 3 4 5 6	①②
EF-7	CEILING	BATHROOM	70	0.25	935	–	–	6	–	115	1	12	GREENHECK SP-80-VG	②	①②	1 2	③

EF-5A: ADD ALTERNATE # 1

① SQUARE CENTRIFUGAL IN-LINE FAN, DIRECT DRIVE
② CEILING EXHAUST FAN, DIRECT DRIVE

① AIR PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 211
② SOUND PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 311

1 NON-FUSED DISCONNECT SWITCH
2 GRAVITY BACKDRAFT DAMPER INSTALLED AT EXTERIOR PENETRATION
3 INLET GUARD
4 DIRECT DRIVE MOTOR COVER
5 CONTROL DAMPER, TWO POSITION
6 HANGING BASE MOUNT VIBRATION ISOLATORS

① SEE DETAIL 6, DRAWING M-3.1
② INLET AND DISCHARGE FLEXIBLE CONNECTIONS
③ FAN SHALL BE CONTROLLED BY SPACE LIGHT SWITCH SEE DETAIL 9, DRAWING M-3.0

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MECHANICAL LEGEND, SCHEDULES AND NOTES

PROJ. NO. JH1830	DRAWING NO. M-0.0
SCALE As Noted	
DATE OCTOBER 2, 2019	

DIFFUSER AND GRILLE SCHEDULE

GENERAL	PHYSICAL				REMARKS		
TAG	SIZE (IN)	BLOW PATTERN	BRANCH DUCT (IN)	MANUFACTURER MODEL	TYPE	FEATURES	INSTALL
A6	6x6	A4A–L	6"	TITUS TDC	①	1	①②
A8	9x9	A4A–L	8"	TITUS TDC	①	1	①②
A10	12x12	A4A–L	10"	TITUS TDC	①	1	①②
A12	18x18	A4A–L	12"	TITUS TDC	①	1	①②
B6	6x6	A4A–L	8"	TITUS TDC	①	1	⑤②④
B8	9x9	A4A–L	8"	TITUS TDC	①	1	⑤②④
C16	18x18	A4A–L	16"	TITUS TDC	②	1	①②③
S8	8x6	K2–S	SEE DWGS	TITUS 350RL	②	2	①②③
S12	12x8	K2–S	SEE DWGS	TITUS 350RL	②	2	①②③
R8	8x8	M1–S	SEE DWGS	TITUS 350RL	②	2	①②③
R10	10x10	K1–L	SEE DWGS	TITUS 350RL	②	1	①②③
R18	20x18	K1–L	SEE DWGS	TITUS 350RL	⑥	1	①②③④
R20	20x20	K1–L	SEE DWGS	TITUS 350RL	②	1	①②③
E6	6x6	M1–S	SEE DWGS	TITUS 350RL	②	2	①②③
R14	14x14	K1–L	SEE DWGS	TITUS 350RL	②	1	①②③
C8	8x8	A1A–L	SEE DWGS	KEES SEG–9SP2	③	2	①②③
EC8	8x8	K1–L	SEE DWGS	KEES SEG–9SP2	④	2	①②③

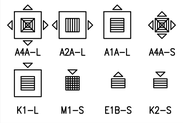
① CEILING DIFFUSER, LOUVERED, FLUSH FACE, ROUND NECK, SQUARE FACE, DIRECTIONAL BLOW STEEL, WHITE
② RETURN/EXHAUST GRILLE, 45° FIXED BLADES ON 3/4" CENTERS, BLADES PARALLEL TO LONG DIMENSION, STEEL, WHITE
③ SUPPLY SECURITY GRILLE, WELDED 12 GAUGE STEEL, 1/8" DIAMETER HOLES, WHITE
④ RETURN/EXHAUST SECURITY GRILLE, WELDED 12 GAUGE STEEL, 1/8" DIAMETER HOLES, WHITE
⑤ CEILING DIFFUSER, LOUVERED, FLUSH FACE, ROUND NECK, RECTANGULAR FACE 24x18, DIRECTIONAL BLOW STEEL, WHITE
⑥ RETURN/EXHAUST GRILLE, RECTANGULAR FACE 24x18, 45° FIXED BLADES ON 3/4" CENTERS, BLADES PARALLEL TO LONG DIMENSION, STEEL, WHITE

1 LAY–IN T–BAR CEILING MOUNT
2 SURFACE MOUNT
3 INTEGRAL VOLUME DAMPER

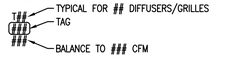
① WHERE NO BRANCH DUCT SIZE IS INDICATED ON PLAN, USE BRANCH DUCT SIZE INDICATED HEREIN
② PROVIDE A DUCT MOUNTED VOLUME DAMPER WHETHER OR NOT A DUCT MOUNTED VOLUME DAMPER IS INDICATED ON PLAN. EXCEPTIONS:
- TRANSFER AIR APPLICATIONS (GRILLE IS NOT CONNECTED BY A DUCTWORK SYSTEM TO A FAN)
- EXHAUST AND RETURN GRILLES WHERE ONLY ONE GRILLE SERVES THE FAN/AIR HANDLING SYSTEM

③ PROVIDE A 1/2" THICK ACOUSTICALLY LINED PLENUM, SAME SIZE AS DIFFUSER/GRILLE X HEIGHT/DEPTH NECESSARY TO CONNECT BRANCH DUCT INDICATED
④ COORDINATE DIFFUSER AND GRILLE WITH CEILING TILE SIZE, SIDE TO BE 24x18 AND SHALL BE COORDINATED WITH LIGHT FIXTURE INSTALLATION

PATTERN



TAG LEGEND



BRANCH CIRCUIT CONTROLLER (BCC) SCHEDULE

GENERAL			ELECTRICAL						PHYSICAL	REMARKS			
TAG	LOCATION	EQUIPMENT SERVED	QTY.	VOLTAGE	PHASE	HERTZ	MCA	MOCP	LBS	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
BC–1	ATTIC	CU–1	1	208	1	60	1.08	15	–	MITSUBISHI CMB–P1013NU–GA–1	①	①	1	①②

① MITSUBISHI BC CONTROLLER
① N/A
1 N/A
① PROVIDE SECONDARY DRAIN PAN AND CONDENSATE DRAIN PIPING
② SEE VRF SYSTEM DIAGRAM ON DRAWING M–3.2

ENTHALPY RECOVERY UNIT SCHEDULE

GENERAL		PERFORMANCE											ELECTRICAL				PHYSICAL		REMARKS			
		ENTHALPY RECOVERY EFFICIENCY		OUTSIDE AIR FAN					EXHAUST AIR FAN													
TAG	LOCATION	COOLING (%)	HEATING (%)	CFM	ESP (IN WG)	RPM	BHP	HP	CFM	ESP (IN WG)	RPM	BHP	HP	MCA	MOP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
ERV–1	ATTIC	75.0	77.8	730	0.5	1252	–	3/4	730	0.5	1497	–	3/4	20.5	25.0	115	1	240	GREENHECK MINIVENT–750–VG	①	①	1	①
ERV–2	ATTIC	68.4	72.2	200	0.5	1117	–	1/4	200	0.5	1218	–	1/4	7.1	15.0	115	1	160	GREENHECK MINIVENT–450–VG	①	①	1	②
ERV–3	ATTIC	68.6	72.4	325	0.5	1395	–	1/4	325	0.5	1725	–	1/4	7.1	15.0	115	1	160	GREENHECK MINIVENT–450–VG	①	①	1	③

① ENERGY RECOVERY ROOF TOP UNIT WITH DESICCANT ENERGY RECOVER WHEEL
① MINIMUM 65% EFFICIENCY RATING
1 HORIZONTAL OUTSIDE AIR, HORIZONTAL EXHAUST AIR
① UNIT SHALL BE CONTROLLED BY OCCUPIED/UN–OCCUPIED TIME CLOCK
② UNIT SHALL RUN CONTINUOUSLY
③ UNIT SHALL BE CONTROLLED BY SPACE CO2 SENSOR

VARIABLE REFRIGERANT FLOW (VRF) SYSTEM COMPRESSOR UNIT SCHEDULE

GENERAL		PERFORMANCE					ELECTRICAL				PHYSICAL		REMARKS			
				HEATING CAPACITY												
TAG	LOCATION	NOMINAL TONS	COOLING CAPACITY (MBH)	HIGH (MBH)	LOW (MBH)	SOUND LEVEL (dBA)	MCA	MOP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
CU–1	GRADE	16	192	215	–	61	60/60	80/80	208	3	–	MITSUBISHI PURY–HP192TSKMU–A–H	①	①	1	①②③

① MODULAR HEAT PUMP, AIR COOLED, R–410A
① NOMINAL CAPACITY
1 DURABLE COATING FOR COASTAL INSTALLATION
① SEE VRF SYSTEM DIAGRAM ON DRAWING M–3.2
② MOUNT UNIT ON RAILS, AS PROVIDED BY UNIT MANUFACTURER, MINIMUM 14" HIGH OR AS RECOMMENDED BY MANUFACTURER.
③ OUTDOOR PIPING AND CONDUIT PENETRATIONS SHALL BE MADE WITH STONEMAN MODEL 915 MULTI–FLASH ADAPTERS OR SIMILAR

* UNIT COMPRISED OF TWO MODULES WITH SEPARATE ELECTRICAL CONNECTIONS. VALUE IS PER MODULE.

ELECTRIC DUCT HEATER SCHEDULE

GENERAL		PERFORMANCE						ELECTRICAL			PHYSICAL			REMARKS			
TAG	LOCATION	KW	STAGES	CFM	FPM	APD (IN WG)	LAT (°F)	AMPS	VOLTAGE	PHASE	DUCT WIDTH (IN)	DUCT HEIGHT (IN)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
EDH–1	ATTIC	5	SCR	730	550	0.1"	65	–	208	3	16	14	QMARK FC	①	①	1 2 3	①②
EDH–2	ATTIC	1.5	SCR	200	550	0.1"	65	–	208	3	8	8	QMARK FC	①	①	1 2 3	①②
EDH–3	ATTIC	2	SCR	325	550	0.1"	65	–	208	3	10	10	QMARK FC	①	①	1 2 3	①②

① OPEN COIL HEATING ELEMENT, FLANGED CONFIGURATION
① 60°F EAT
1 SIDE MOUNT
2 DUCT TIGHT TERMINAL BOX
3 SCR CONTROLS INCLUDING AUTOMATIC AND MANUAL RESET THERMAL CUTOUTS, DIFFERENTIAL PRESSURE AIRFLOW SWITCH, DE–ENERGIZING MAGNETIC CONTACTORS, FUSES, CONTROL CIRCUIT TRANSFORMER, & DISCONNECT SWITCH
① SEE DETAIL 7, DRAWING M–3.1
② CONTROLLED BY DISCHARGE AIR TEMPERATURE SET TO 55 DEGREES

SPLIT SYSTEM HEAT PUMP AIR HANDLER SCHEDULE

GENERAL			PERFORMANCE										ELECTRICAL				PHYSICAL		REMARKS				
			COOLING		HEATING		FAN			ELECTRIC HEAT		MINIMUM OUTSIDE AIR											
TAG	LOCATION	COMP. UNIT	TOTAL MBH	SENSIBLE MBH	HIGH MBH	LOW MBH	CFM	ESP (IN WG)	SPEED	KW	STAGES	CFM	%	MCA	MOP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
HP–1	DISPATCH	SCU–1	14.7	10.8	18	6.8	405	–	MED	–	–	40	10	2.0	15	208	1	–	MITSUBISHI SLZ–KF15NA–TH	①	①	1	①②
HP–2	DISPATCH	SCU–2	14.7	10.8	18	6.8	405	–	MED	–	–	40	10	2.0	15	208	1	–	MITSUBISHI SLZ–KF15NA–TH	①	①	1	①②
HP–3A	PHYSICAL TRAINING B01	SCU–3A	12.0	8.9	13	5.0	335	–	MED	–	–	40	12	2.0	15	208	1	–	MITSUBISHI SLZ–KF12NA–TH	①	①	1	①②
AC–1	COMMS 114	ACCU–1	24	18.7	26	16	775	–	MED	–	–	–	–	1.55	15	208	1	–	MITSUBISHI PKA–A24KA7–TH	①	①	1	①②
AC–2	COMMS 114	ACCU–2	24	18.7	26	16	775	–	MED	–	–	–	–	1.55	15	208	1	–	MITSUBISHI PKA–A24KA7–TH	①	①	1	①②

ADD ALTERNATE # 1

① CONVERTIBLE, R–410A, DIRECT DRIVE
① SEE SPLIT SYSTEM HEAT PUMP COMPRESSOR UNIT SCHEDULE FOR EFFICIENCIES AND FOR RATING CONDITIONS
1 SINGLE POINT POWER CONNECTION
① PROVIDE NEOPRENE VIBRATION ISOLATORS
② SEE MITSUBISHI SYSTEM DIAGRAM ON DRAWING M–3.2

CP 1 | CP 2 | CP 3

CONDENSATE PUMP

MANUFACTURED BY HARTELL
MODEL KT3–1UL
WEIGHT 5 LBS
115 VOLT, 1 PHASE
1.7 AMPS

PROVIDE WITH 6 FOOT POWER CORD, AND SAFTY SWITCH

SPLIT SYSTEM HEAT PUMP COMPRESSOR UNIT SCHEDULE

GENERAL			PERFORMANCE					ELECTRICAL				PHYSICAL		REMARKS			
TAG	LOCATION	AIR HANDLER	SEER	HIGH COP	LOW COP	HSPF	SOUND POWER LEVEL (dBA)	MCA	MOP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
SCU–1	GRADE	HP–1	19	3.05	2.7	11.2	51	10	15	208	1	81	MITSUBISHI SUZ–KA15NA2–MX	①	①②③	1 2 3	①②
SCU–2	GRADE	HP–2	19	3.05	2.7	11.2	51	10	15	208	1	81	MITSUBISHI SUZ–KA15NA2–MX	①	①②③	1 2 3	①②
SCU–3A	GRADE	HP–3A	20.5	–	–	–	51	9	15	208	1	81	MITSUBISHI SUZ–KA12NA2–MX	①	①②③	1 2 3	①②
ACCU–1	GRADE	AC–1	21.4	–	–	–	48	19	25	208	1	115	MITSUBISHI PUZ–A24NHA7	①	①②③	1 2 3	①②
ACCU–2	GRADE	AC–2	21.4	–	–	–	48	19	25	208	1	115	MITSUBISHI PUZ–A24NHA7	①	①②③	1 2 3	①②

ADD ALTERNATE # 1

① R–410A
① RATINGS IN ACCORDANCE TO ARI STANDARD 210/240 & 270
② SOUND POWER, A WEIGHTED – IN ACCORDANCE TO ARI 270
③ COOLING PERFORMANCE AT ARI CONDITIONS – 95°F ODB, 80°F EDB, 67°F EWB, NOMINAL CFM
1 NEOPRENE VIBRATION ISOLATION KIT
2 LOW AMBIENT KIT – COOLING TO 0°F
3 EVAPORATOR DEFROST CONTROL
① PROVIDE SPLIT SYSTEM REFRIGERANT PIPING BETWEEN AIR HANDLER AND MATCHED COMPRESSOR UNIT, SIZED AND CONFIGURED PER THE MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING CONCEALED TO THE GREATEST EXTENT POSSIBLE. ROOF PIPING AND CONDUIT PENETRATIONS SHALL BE MADE WITH STONEMAN MODEL 915 MULTI–FLASH ADAPTERS OR SIMILAR.
② SEE MITSUBISHI SYSTEM DIAGRAM ON DRAWING M–3.2

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MECHANICAL SCHEDULES

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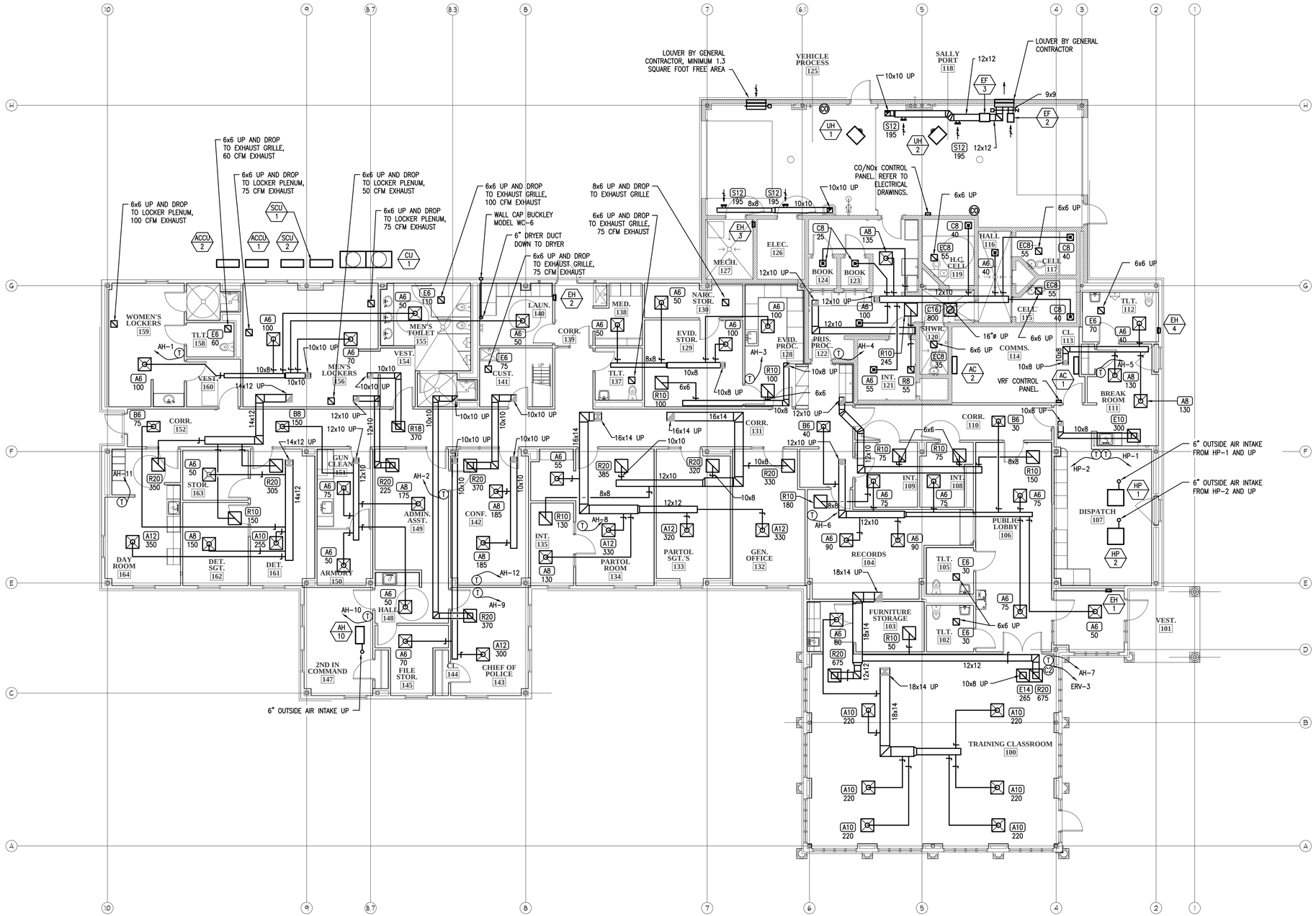

1 MECHANICAL DUCTWORK FLOOR PLAN
1/8"=1'-0"

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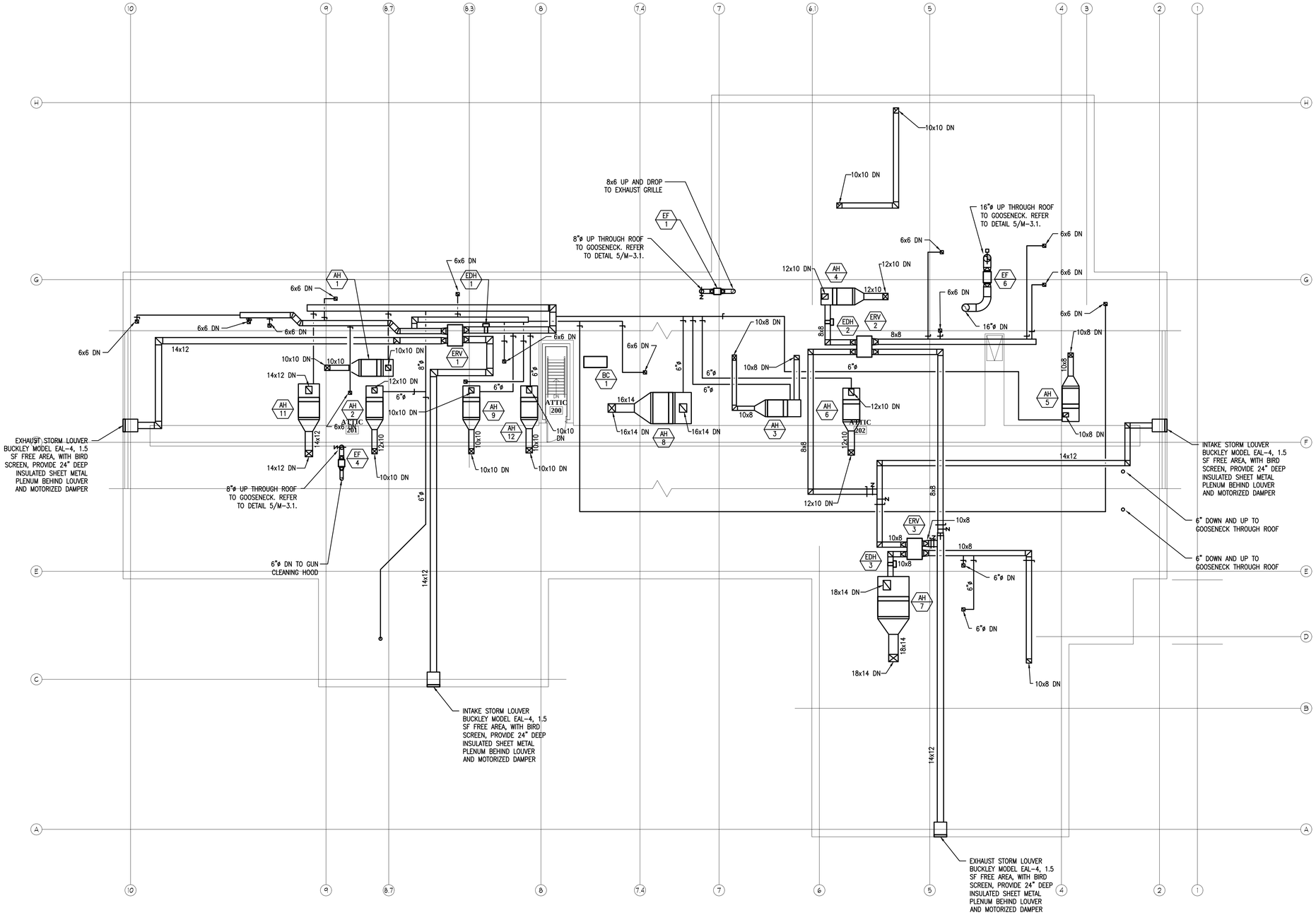

1 MECHANICAL DUCTWORK ATTIC PLAN
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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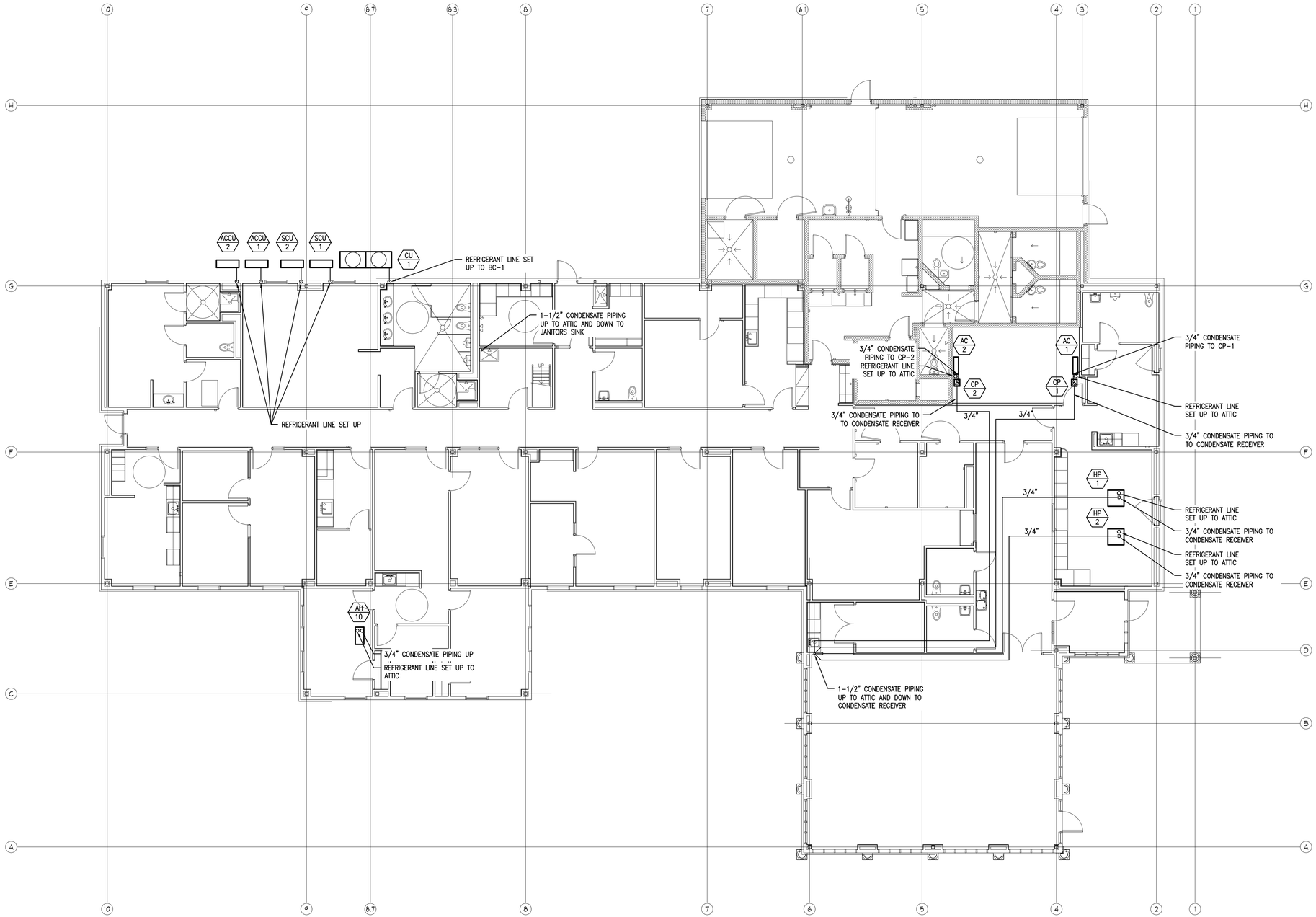

1 MECHANICAL PIPING FLOOR PLAN
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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NEW FACILITY FOR THE CARVER POLICE DEPARTMENT

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CARVER, MASSACHUSETTS

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MECHANICAL PIPING FLOOR PLAN

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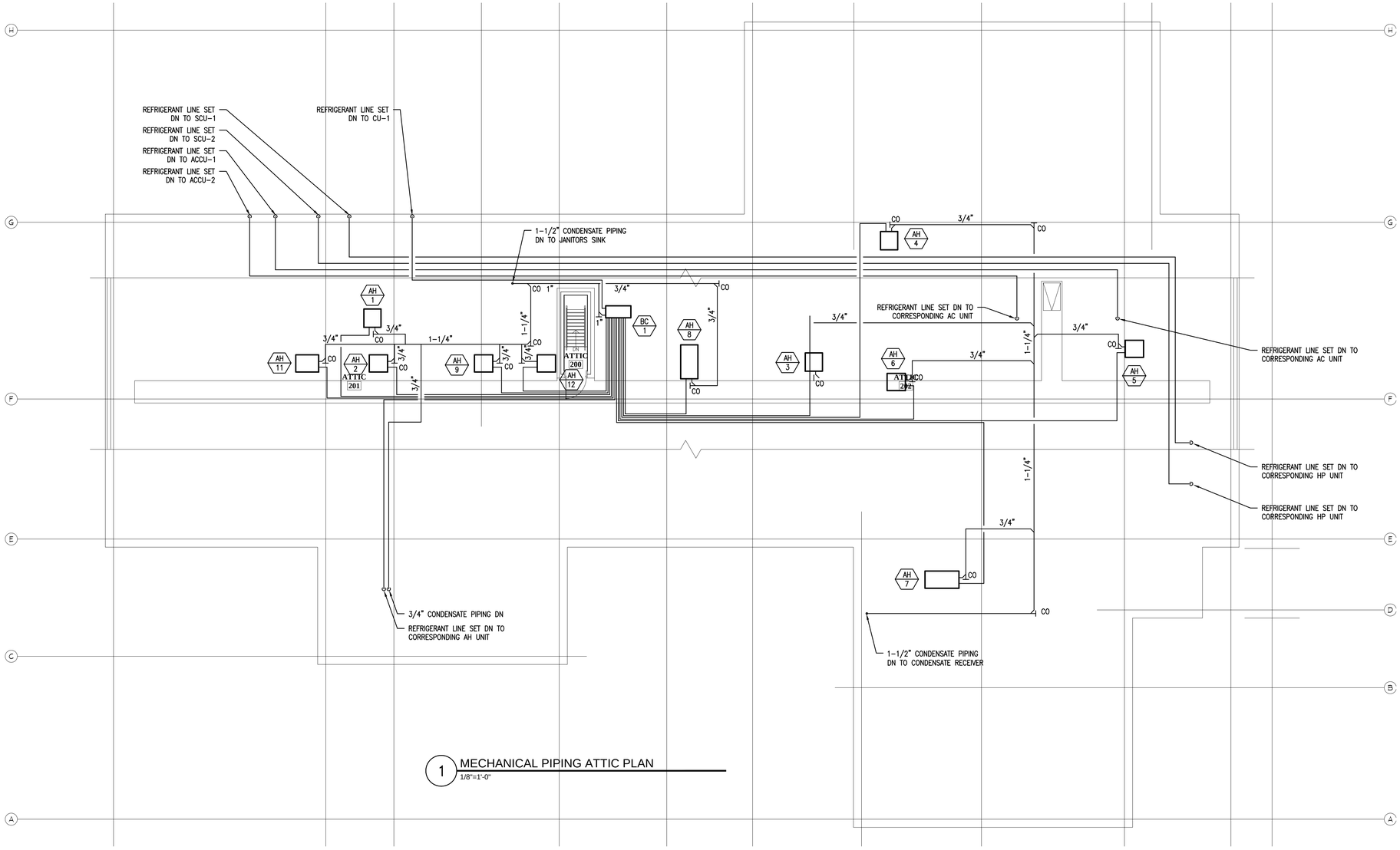
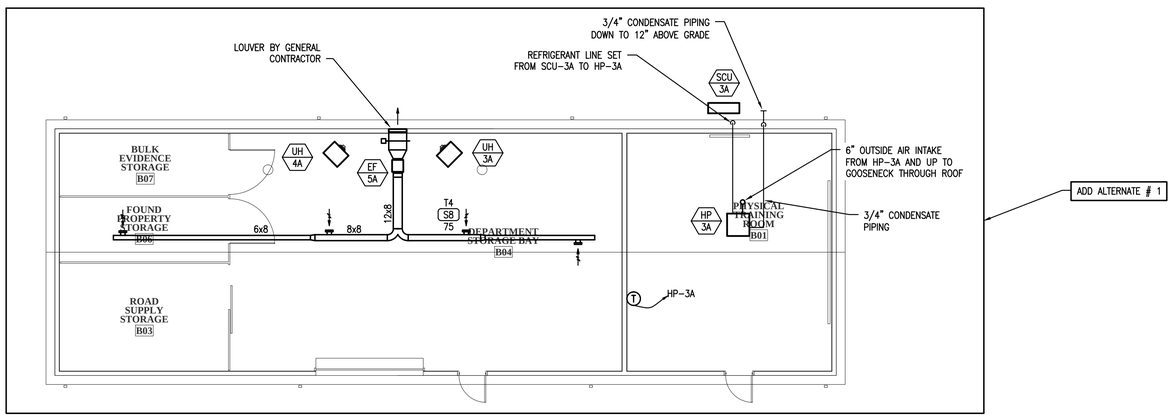


1 MECHANICAL PIPING ATTIC PLAN
1/8"=1'-0"



2 MECHANICAL OUTBUILDING FLOOR PLAN - ADD ALTERNATE # 1
1/8"=1'-0"

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MECHANICAL PIPING ATTIC PLAN AND OUTBUILDING

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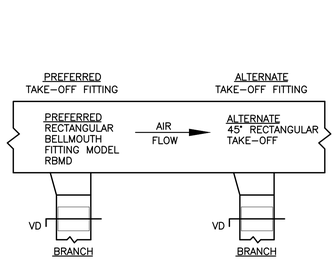
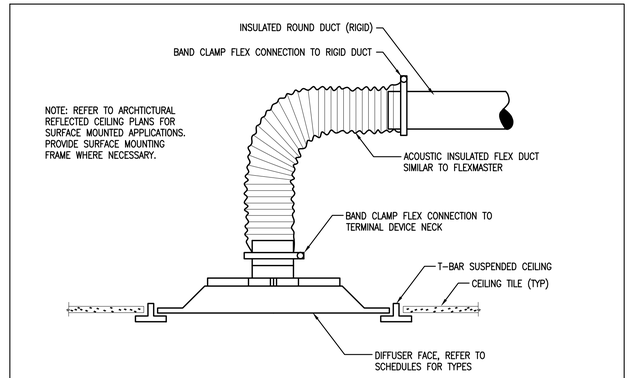
PROJ. NO.	DRAWING NO.
JH1830	M-2.1
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

DUCT SIZE	HOLE SIZE	MINIMUM DUCT HEIGHT
6"x4"	7.5"x5.5"	7.5"
10"x4"	11.5"x5.5"	7.5"
16"x4"	17.5"x5.5"	7.5"
24"x4"	25.5"x5.5"	7.5"
6"x5"	7.5"x6.5"	8.5"
10"x5"	11.5"x6.5"	8.5"
16"x5"	17.5"x6.5"	8.5"
24"x5"	25.5"x6.5"	8.5"
6"x6"	7.5"x7.5"	9.5"
10"x6"	11.5"x7.5"	9.5"
16"x6"	17.5"x7.5"	9.5"
24"x6"	25.5"x7.5"	9.5"
8"x8"	9.5"x9.5"	11.5"
16"x8"	17.5"x9.5"	11.5"
24"x8"	25.5"x9.5"	11.5"
10"x10"	11.5"x11.5"	13.5"
16"x10"	17.5"x11.5"	13.5"
24"x10"	25.5"x11.5"	13.5"

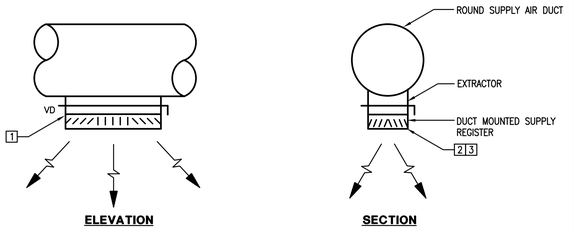


NOTES:
1. ALL ROUND AND RECTANGULAR BELLMOUTH FITTINGS SHALL BE INCLUDED WITH THE FOLLOWING STANDARD FEATURES:
   A. NEOPRENE GASKET TO MINIMIZE AIR LEAKAGE.
   B. PRE–DRILLED HOLES FOR QUICK MOUNTING.
   C. CONTSTRUCTED OF HEAVY DUTY GALVANIZED STEEL.
2. OPTIONAL FEATURES SHALL INCLUDE THE FOLLOWING:
   A. 26 GAUGE GALVANIZED QUANDRANT VOLUME DAMPER WITH TIGHT FITTING GASKETING TO MINIMIZE LEAKAGE AT DAMPER PIVOT POINTS.
   B. HEAVY DUTY HARDWARE IS AVAILABLE FOR APPLICATIONS WITH INCREASED STATIC PRESSURE.

1 RECTANGULAR BRANCH DUCT TAKE–OFF DETAIL NTS



4 GRID CEILING DIFFUSER/REGISTER CONNECTION DETAIL NTS



DETAIL NOTES:

1 ADJUST THROW OF VERTICAL BLADES FOR ⅓ OF AIR STRAIGHT AND ⅓ OF AIR TO 45° RIGHT AND ⅓ OF AIR TO 45° LEFT

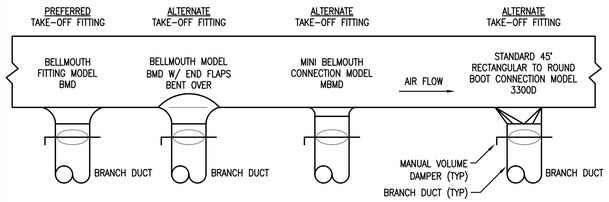
2 FOR SUPPLY REGISTERS 10'–0" TO 11'–6", ADJUST THROW OF HORIZONTAL BLADES FOR ⅓ OF AIR STRAIGHT AND ⅔ OF AIR TO 22.5° DOWN

3 FOR SUPPLY REGISTERS 11'–6" AND HIGHER, ADJUST THROW OF HORIZONTAL BLADES FOR ½ OF AIR TO 22.5° DOWN

4 50% OF THE SUPPLY AIRFLOW THROUGH THE SUPPLY AIR REGISTER SHALL BE DIRECTED TOWARDS THE EXTERIOR WALL, THE REMAINING 50% OF THESUPPLY AIRFLOW SHALL BE DIRECTED TOWARDS THE INTERIOR PORTION OF THE SPACE

8 ROUND SUPPLY DUCT REGISTER MOUNT DETAIL NTS

NOTE: ALTERNATE FITTINGS TO BE USED WHEN DUCT HEIGHT DOES NOT PERMIT THE USE OF THE FULL SIZE, PREFERRED BELLMOUTH

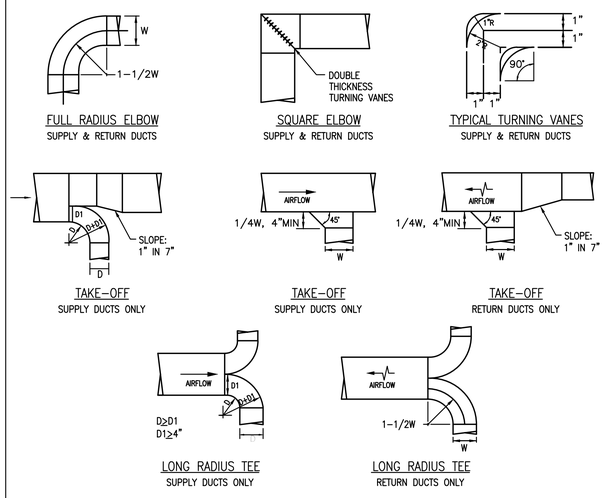


DUCT SIZE	HOLE SIZE	MINIMUM DUCT HEIGHT
5"	8"	9"
6"	9"	10"
7"	10"	11"
8"	11"	12"
9"	12"	13"
10"	13"	14"
12"	15"	16"
14"	17"	18"
16"	19"	20"

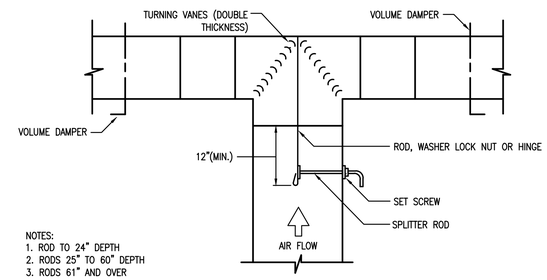
DUCT SIZE	HOLE SIZE	MINIMUM DUCT HEIGHT
5"	–	–
6"	7"	9"
7"	–	–
8"	9"	11"
9"	–	–
10"	11"	13"
12"	–	–
14"	–	–
16"	–	–

DUCT SIZE	HOLE SIZE	MINIMUM DUCT HEIGHT
5"	5"x10"	7"
6"	6"x12"	8"
7"	6"x12"	8"
8"	6.5"x12"	8.5"
9"	6.5"x14"	8.5"
10"	6.5"x16"	8.5"
12"	8.5"x18"	12"
14"	10"x20"	10.5"
16"	–	–

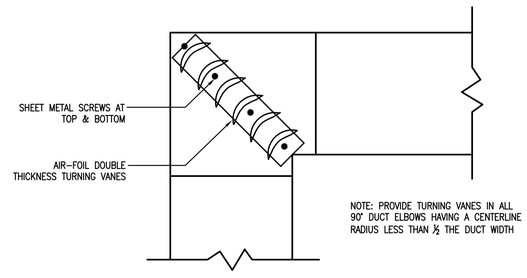
2 ROUND BRANCH DUCT TAKE–OFF DETAIL NTS



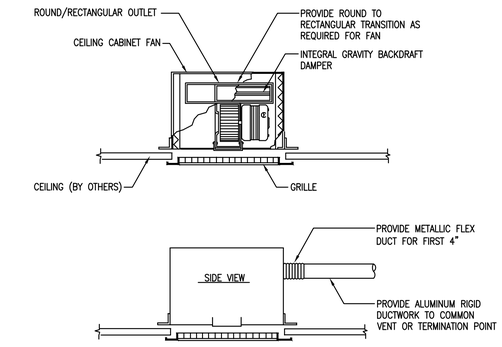
3 TYPICAL DUCT ELBOWS AND TAKE–OFFS DETAIL NTS



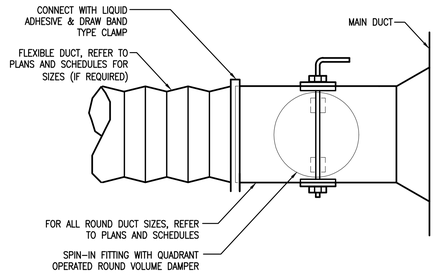
5 SUPPLY DUCT T–BRANCH DETAIL NTS



6 TYPICAL 90° DUCT ELBOW DETAIL NTS



9 DIRECT DRIVE CABINET EXHAUST FAN DETAIL NTS



7 ROUND BRANCH DUCT TAKEOFF DETAIL NTS

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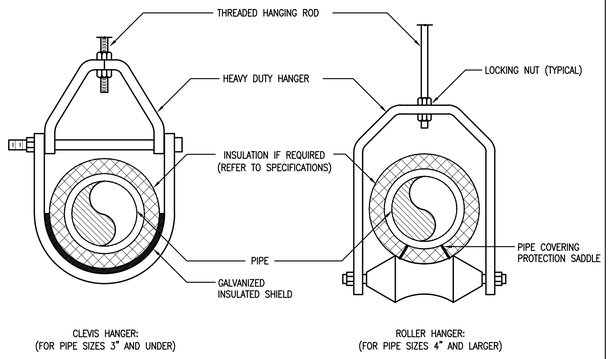
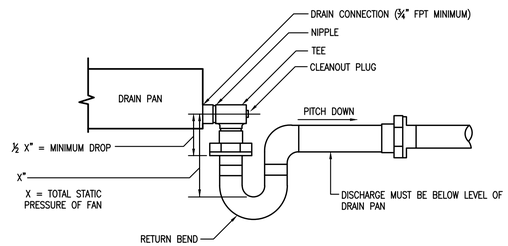


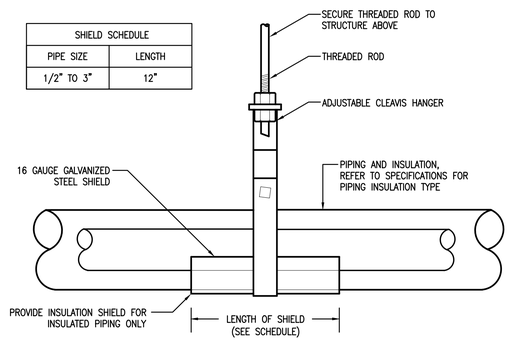
1 PIPE HANGER LOWER END ATTACHMENT DETAIL NTS



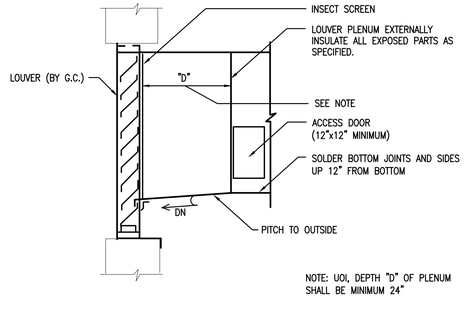
NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
2. PITCH DRAIN FOR PROPER RUN-OFF.
3. MANUALLY PRIME FILL TRAP BEFORE STARTUP TO FORM INTITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.
5. PROVIDE TRAP AT BOTTOM OF VERTICAL FANCOIL UNITS AT PIPING RISERS.

2 CONDENSATE DRAIN PAN PIPING DETAIL NTS

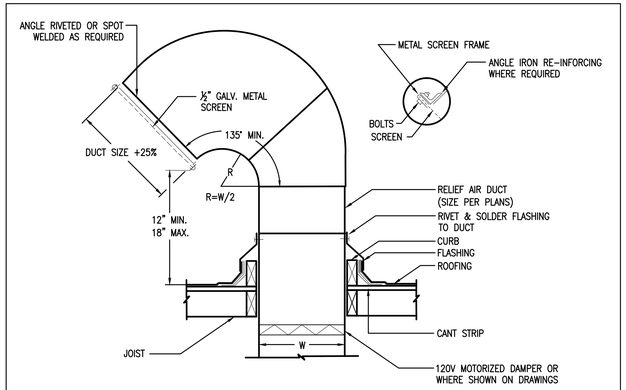
SHIELD SCHEDULE	
PIPE SIZE	LENGTH
1/2" TO 3"	12"



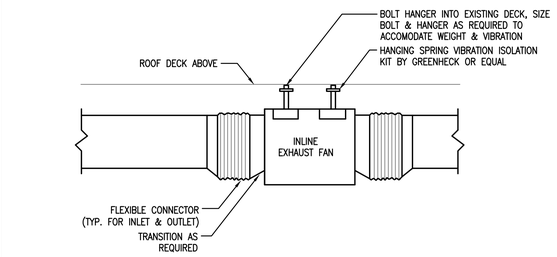
3 PIPE HANGER DETAIL NTS



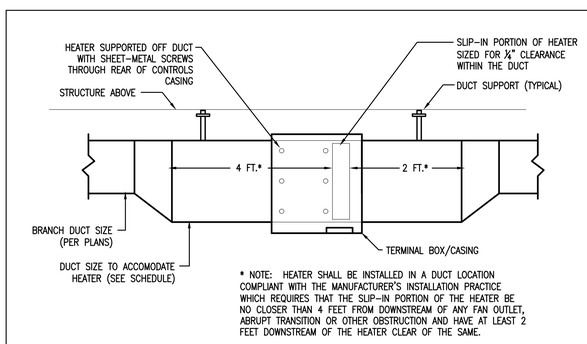
4 LOUVER CONNECTION DETAIL NTS



5 GOOSENECK DETAIL NTS

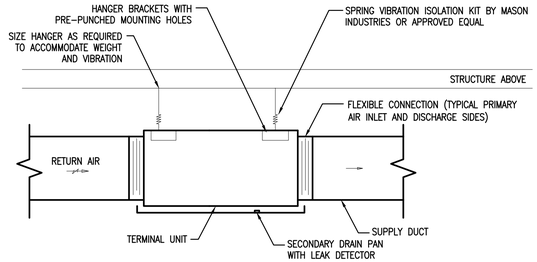


6 INLINE EXHAUST FAN DETAIL NTS

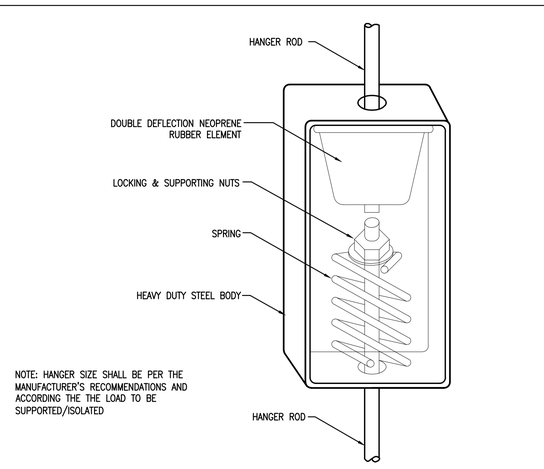


* NOTE: HEATER SHALL BE INSTALLED IN A DUCT LOCATION COMPLIANT WITH THE MANUFACTURER'S INSTALLATION PRACTICE WHICH REQUIRES THAT THE SLIP-IN PORTION OF THE HEATER BE NO CLOSER THAN 4 FEET FROM DOWNSTREAM OF ANY FAN OUTLET, ABRUPT TRANSITION OR OTHER OBSTRUCTION AND HAVE AT LEAST 2 FEET DOWNSTREAM OF THE HEATER CLEAR OF THE SAME.

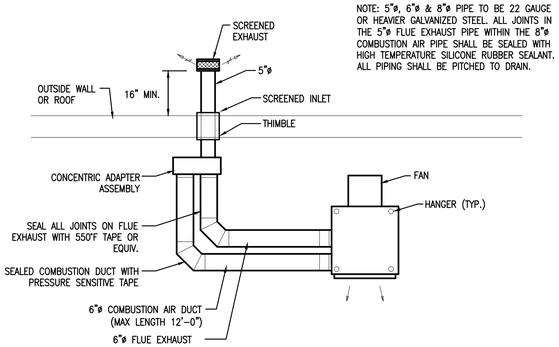
7 ELECTRIC DUCT HEATER DETAIL NTS



8 VRF DUCTED UNIT HANGING DETAIL NTS



9 PIPING & EQUIPMENT ISOLATION HANGER DETAIL NTS



10 SEALED COMBUSTION GAS UNIT HEATER DETAIL NTS

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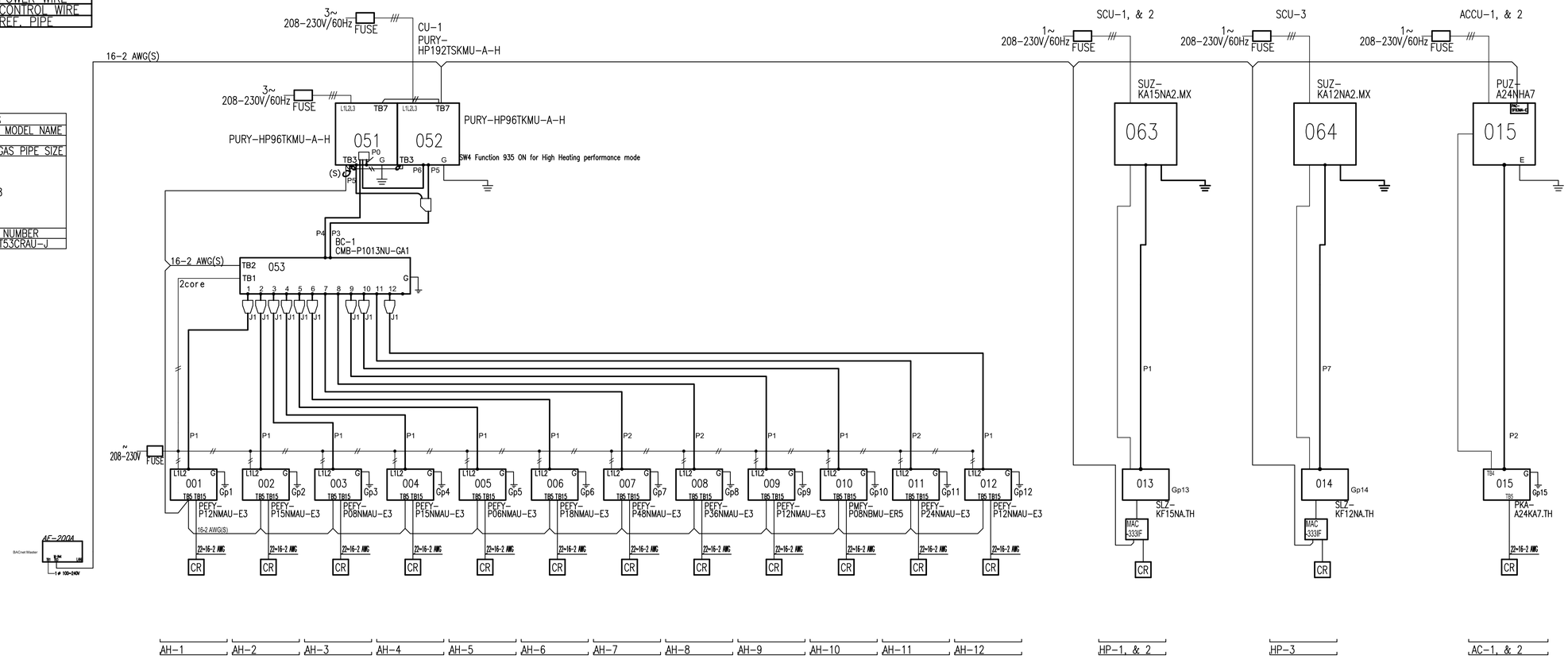
Carver Police

DIAGRAM SYMBOL LEGEND		CONT.No		PAGE	
DISPLAY	DESCRIPTION				
—///	POWER WIRE				
———	CONTROL WIRE				
———	REF. PIPE				

CITY MULTI
SYSTEM SCHEMATIC DWG.

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	Reducer
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	1/4 / 1/2
P2	3/8 / 5/8
P3	7/8 /
P4	/ 1-1/8
P5	3/4 /
P6	/ 7/8
P7	1/4 / 3/8
SYMBOL	MODEL NUMBER
CR	PAC-YT53CRAU-J



4.0.3.183
Mitsubishi Electric
Diamond System Builder
4/2/2019
12:28 PM

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MECHANICAL VRF SYSTEM DIAGRAM

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LEGEND

* MOUNTING HEIGHTS SHALL BE AS INDICATED UNLESS SHOWN OTHERWISE ON ELECTRICAL DRAWINGS OR ARCHITECTURAL ELEVATIONS
* ALL SYMBOLS MAY NOT BE SHOWN ON PLANS

RACEWAYS AND WIRING

P4–1 — SINGLE PHASE HOMERUNS TO PANELBOARD. "P4" DENOTES PANEL, "1" DENOTES CIRCUIT NUMBERS. PROVIDE 2#12, #12G,–3/4"C MINIMUM.

P4–2 / 20/3 — MULTI–POLE HOMERUN TO PANELBOARD. "P4" DENOTES PANEL, "2" DENOTES CIRCUIT NUMBER, 20 AMP 3 POLE C/B.

NOTES:
1. GREEN GROUND CONDUCTOR NOT INDICATED BUT SHALL BE INCLUDED IN EACH RACEWAY. SIZE SHALL BE #12AWG UNLESS INDICATED OTHERWISE.

— E — 2#10,#10G EMERGENCY ONLY WIRING
— CT — CABLE TRAY – REFER TO SPECIFICATIONS FOR REQUIREMENTS
— PE — PRIMARY CONDUIT DUCT BANK
— SE — SECONDARY CONDUIT DUCT BANK
— COM — COMMUNICATIONS SERVICE DUCT BANK
— GEN — GENERATOR DUCT BANK

LIGHTING FIXTURES (REFER TO LIGHTING FIXTURE SCHEDULE FOR EXACT FIXTURE TYPE)

A 2a — FLUORESCENT LIGHTING FIXTURE CEILING OR RECESSED MOUNTED. "A" DENOTES FIXTURE TYPE, "2" DENOTES CIRCUIT NUMBER, "a" DENOTES SWITCH CONTROL.
LIGHT FIXTURE WIRED TO CONSTANT–ON OR NORMAL EMERGENCY CIRCUIT
STRIP LIGHTING FIXTURE
ROUND RECESSED LIGHTING FIXTURE
WALL MOUNTED LIGHTING FIXTURE
WALL WASH OR DIRECTIONAL LIGHTING FIXTURE
CEILING MOUNTED ILLUMINATED EXIT SIGN. SINGLE OR DOUBLE FACE, WITH OR WITHOUT ARROWS AS INDICATED ON DRAWINGS
WALL MOUNTED ILLUMINATED EXIT SIGN – SHADING INDICATES FACE PLATE(S)
EM — EMERGENCY BATTERY UNIT
REMOTE EMERGENCY ONLY LIGHT HEADS – SINGLE OR DOUBLE AS SHOWN
WP — WEATHER PROOF EMERGENCY ONLY LIGHT FIXTURE
POLE MOUNTED SITE LIGHTING FIXTURE
TRACK LIGHTING AND HEADS, LENGTH OF TRACK AND QUANTITY OF HEADS AS SHOWN ON FLOOR PLANS

TOGGLE SWITCHES (MOUNTED 48" AFF)

S ab — SINGLE POLE TOGGLE SWITCH. "a" DENOTES FIXTURE CONTROL.
Svc ab — WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR SWITCH. "a" DENOTES SWITCH CONTROL. PROVIDE WATTSTOPPER #DW–100 FOR SINGLE LOAD CONTROL, #DW–200 FOR DOUBLE LOAD CONTROL (PROGRAMMED TO VACANCY MODE OR APPROVED EQUAL)
Soc ab — SINGLE POLE TOGGLE SWITCH. "a" DENOTES FIXTURE CONTROL "oc" DENOTES INTERGRAL OCCUPANCY SENSOR
S3 — THREE WAY TOGGLE SWITCH
S4 — FOUR WAY TOGGLE SWITCH
SK — KEY OPERATED SWITCH
SP — SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
SD — DIMMER SWITCH
OC — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK. PROVIDE WATTSTOPPER #DT–300 WITH #BZ–50 POWER PACK OR APPROVED EQUAL
SMC — THREE POSITION MOMENTARY CONTACT SWITCH, CENTER OFF
LVa — WALL MOUNTED DIGITAL LOW VOLTAGE SWITCH. "a" DENOTES SWITCH CONTROL. PROVIDE WATTSTOPPER #LMSW–101–W (SINGLE LOAD CONTROL), #LMSW–102–W(2 LOAD CONTROL), #LMSW–103–W(3 LOAD CONTROL), #LMSW–104–W(4LOAD CONTROL) OR APPROVED EQUAL. CONFIRM DEVICE COLOR WITH ARCHITECT.
LDa — WALL MOUNTED DIGITAL DIMMER SWITCH. "a" INDICATES SWITCH CONTROL. PROVIDE WATTSTOPPER #LMDM–101–W OR APPROVED EQUAL. CONFIRM DEVICE COLOR WITH ARCHITECT.
VC — CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR. PROVIDE WATTSTOPPER ##LMDC–100 (PROGRAMMED TO VACANCY SENSOR MODE) OR APPROVED EQUAL.
VC — WALL/CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WITH POWER PACK. PROVIDE WATTSTOPPER #LMDX–100 (PROGRAMMED TO VACANCY SENSOR MODE) OR APPROVED EQUAL.
RC — DIGITAL ROOM CONTROLLER WITH SINGLE RELAY. PROVIDE WATTSTOPPER #LMRC–101 OR APPROVED EQUAL.
RC2 — DIGITAL ROOM CONTROLLER WITH TWO RELAY. PROVIDE WATTSTOPPER #LMRC–102 OR APPROVED EQUAL.
DRC — DIGITAL ROOM CONTROLLER WITH SINGLE RELAY. PROVIDE WATTSTOPPER #LMRC–211 OR APPROVED EQUAL.
DRC2 — DIGITAL ROOM CONTROLLER WITH TWO RELAY. PROVIDE WATTSTOPPER #LMRC–212 OR APPROVED EQUAL.
DRC3 — DIGITAL ROOM CONTROLLER WITH THREE RELAY. PROVIDE WATTSTOPPER #LMRC–213 OR APPROVED EQUAL.

RECEPTACLES (MOUNTED 18" AFF OR AS INDICATED ON ARCHITECTURAL PLANS)

IG GFI 2 WP — DUPLEX RECEPTACLE, "2" DENOTES CIRCUIT NUMBER, "GFI" DENOTES GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE, "IG" DENOTES ISOLATED GROUND TYPE DEVICE, "WP" DENOTES WEATHER PROOF COVER
USB — DUPLEX RECEPTACLE WITH "USB" CHARGING OUTLETS. HUBBELL #USB20X2W OR APPROVED EQUAL.
DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP OR AS INDICATED ON ARCHITECTURAL PLANS
DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP OR AS INDICATED ON THE ARCHITECTURAL PLANS
DOUBLE DUPLEX RECEPTACLE
DUPLEX RECEPTACLE ONE HALF SWITCH CONTROLLED
EWC — GFI DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER
DUPLEX RECEPTACLE FLOOR MOUNTED
L6–30 — SPECIAL PURPOSE RECEPTACLE, "L6–30" DENOTES TYPE, SEE POWER PLANS FOR EXACT TYPES USED
FIELD WIRED, UL LISTED, OF MULTIOUTLET ASSEMBLY, QUANTITY AND TYPE DEVICES AS INDICATED
SURFACE MOUNTED RACEWAY, DIVIDED RACEWAY WITH DATA AND DUPLEX RECEPTACLES AS INDICATED
FLOOR BOX: DOUBLE DUPLEX RECEPTACLE AND (3) DATA OUTLETS WITH CAT 6 CABLES AND (1) HDMI OUTLET.

TELECOMMUNICATIONS (MOUNTED 18" AFF)

W — TELEPHONE OUTLET MOUNTED 54"AFF
TELE/DATA OUTLET, WALL MOUNTED
TELEPHONE/DATA/HDMI OUTLET, WALL MOUNTED
S — SECURITY TELEPHONE OUTLET, WALL MOUNTED
WIRELESS ACCESS POINT DEVICE, CEILING MOUNTED.
TVH — TV/MONITOR OUTLET WITH POWER AND DATA PROVIDE ARLINGTON INDUSTRIES #TVBS507 OR APPROVED EQUAL. "H" INDICATES WITH HDMI PORT. MOUNT AT 76" AFF, U.N.O.

NOTE: E.C. SHALL PROVIDE A DOUBLE GANG BACK BOX WITH SINGLE GANG REDUCER, 3/4" CONDUIT AND PULLSTRING STUBBED OUT ABOVE ACCESSIBLE CEILING AT ALL TELECOMMUNICATION OUTLET LOCATIONS. UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.

SOUND SYSTEM

SPEAKER, FLUSH CEILING MOUNTED
SPEAKER, WALL MOUNTED
REMOTE VOLUME CONTROL, WALL MOUNTED AT 48" A.F.F. SEE NOTE #2
AMP — AMPLIFIER AND CENTRAL EQUIPMENT
SJB — SOUND SYSTEM JUNCTION BOX

NOTES:
1. DEVICES SHOWN ABOVE ARE FOR CLARITY PURPOSES ONLY. THE E.C. SHALL PROVIDE CONDUIT AND BACK BOXES ONLY AT EACH DEVICE LOCATION. ACTUAL DEVICE AND WIRING WILL BE PROVIDED UNDER A SEPERATE CONTRACT.
2. PROVIDE 3/4" CONDUIT, SINGLE GANG BACKBOX AND PULL STRING. TERMINATE CONDUIT ABOVE NEAREST ACCESSIBLE CEILING WITH FIBER BUSHING.

MECHANICAL EQUIPMENT TAG ABBREVIATIONS

AH 1 — DENOTES EQUIPMENT TYPE / DENOTES UNIT NUMBER

ACC	AIR–COOLED CONDENSER
AHU	AIR HANDLING UNIT
B	BOILER
CUH	CABINET UNIT HEATER
EBB	ELECTRIC BASEBOARD
EF	EXHAUST FAN
EWH	ELECTRIC WALL HEATER
FC	FAN COIL
MAU	MAKE–UP AIR UNIT
P	PUMP
UH	UNIT HEATER
WH	ELECTRIC WATER HEATER

LIGHTING FIXTURE NOTES:

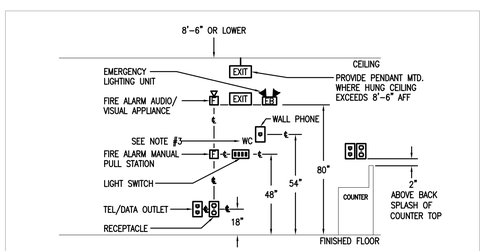
1. PROVIDE ACCESSORIES AND MOUNTING HARDWARE FOR ALL FIXTURES.
2. COLORS SHALL BE AS SELECTED BY ARCHITECT.
3. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.
4. ALL LAMPS SHALL BE 3500'K.
5. E.C. SHALL COORDINATE THAT ALL SWITCHES AND DIMMER SWITCHES ARE COMPATIBLE WITH EACH FIXTURE INDICATED TO BE CONTROLLED. PROVIDE ALL SWITCHES AND DIMMER SWITCHES PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.

POWER DISTRIBUTION EQUIPMENT

DISTRIBUTION PANEL
PANELBOARD, SURFACE MOUNTED
PANELBOARD, FLUSH MOUNTED
JUNCTION BOX, SIZED PER NEC
2 — MOTOR, "2" DENOTES HORSEPOWER
MAGNETIC MOTOR STARTER WITH ENCLOSURE, MINIMUM SIZE NEMA 1
P — MANUAL MOTOR STARTER WITH THERMAL OVERLOAD. "P" DENOTES PILOT LIGHT
30/3 — NON–FUSED DISCONNECT SWITCH: "30/3" DENOTES 30 AMP/3 POLE SWITCH
30/20/3 — FUSED DISCONNECT SWITCH: "30/20/3" DENOTES 30 AMP/3 POLE SWITCH, 20 AMP FUSES
COMBINATION MAGNETIC STARTER AND FUSED DISCONNECT SWITCH. SIZE OF STARTER, SWITCH AND FUSE AS REQUIRED
T — DRY–TYPE DISTRIBUTION TRANSFORMER
ATS — AUTOMATIC TRANSFER SWITCH
TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSION
T — PAD MOUNTED TRANSFORMER
GROUND ROD, REFER TO PLANS FOR EXACT SIZE

MISCELLANEOUS

JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT
EF — EXHAUST FAN
CP — CONTROL PANEL
PB — PULL BOX – SIZED PER NEC FOR CONDUITS ENTERING AND LEAVING
WP — PUSHBUTTON AND PLATE, "WP" DENOTES WEATHERPROOF
BZ — BUZZER/BELL, LOW VOLTAGE
TL — LOW VOLTAGE TRANSFORMER
MUSHROOM TYPE PUSHBUTTON STATION FOR ACTIVATION OF SHUNT–TRIP DEVICE ON INDICATED CIRCUIT BREAKER
PC — PHOTO–CELL
TC — TIME CLOCK
MD — MOTORIZED DAMPER
FS — FAN SPEED CONTROL SWITCH
CD — CORD DROP
CR — CORD REEL
LIMIT SWITCH
THREE BUTTON DOOR OPERATOR FOR THE OVERHEAD DOOR.
OVERHEAD DOOR SIGNAL LIGHT
CV — CENTRAL VACUUM OUTLET



NOTES:
1. INSTALL DEVICES ON ONE COMMON VERTICAL CENTERLINE.
2. INSTALL DEVICES AT THIS HEIGHT WHEREVER APPLICABLE.
3. 48" AFF TYPICAL HEIGHT FOR SIDE ACCESS FOR A WHEEL CHAIR PER ADA. "WC" DENOTES WHEEL CHAIR HEIGHT.

DETAIL OF TYPICAL DEVICE MOUNTING HEIGHTS — NTS

BRANCH CIRCUIT WIRING NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS REQUIRED.
4. ALTHOUGH ALL BRANCH CIRCUIT WIRING AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
5. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS. VERIFY CONDUIT SIZE TO ENSURE IT CAN ACCOMMODATE ALL PHASE, NEUTRAL AND GROUND CONDUCTORS.
6. PROVIDE A NEUTRAL CONDUCTOR TO ALL NEW LIGHTING SWITCH BOXES PER NEC ARTICLE 404.2.
7. ALL 15A AND 20A, 125V RECEPTACLES IN NON–DWELLING TYPE OCCUPANCIES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8(B).
8. ALL SELF CONTAINED EMERGENCY LIGHTING UNITS AND EXIT LIGHTING IN THE BUILDING SHALL BE CONNECTED TO THE NEAREST UNSWITCHED LIGHTING CIRCUIT IN THE AREA WITH 2 #12, #12G, 3/4" CONDUIT UNLESS OTHERWISE NOTED.

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C.T.	CURRENT TRANSFORMER
CKT	CIRCUIT
DWG	DRAWING
E	WIRED ON EMERGENCY CIRCUIT
EC	ELECTRICAL SUB–CONTRACTOR
EM	EMERGENCY
G	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HVAC	HEATING, VENTILATION, AIR CONDITIONING CONTRACTOR
IG	ISOLATED GROUND
KCMIL	ONE THOUSAND CIRCULAR MILS
KVA	KILOVOLT–AMPERES
KW	KILOWATTS
MCB	MAIN CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NL	NIGHT LIGHT
NTS	NOT TO SCALE
ø	PHASE
P	POLE
PC	PLUMBING CONTRACTOR
PVC	POLYVINYL CHLORIDE
RL	NEW LOCATION OF RELOCATED DEVICE
SM	SURFACE MOUNT
ST	SHUNT TRIP
T/D	TEL/DATA
TEL	TELEPHONE
UNO	UNLESS NOTED OTHERWISE
V	VOLT
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER CATALOG NUMBER	LAMPS NUMBER	LAMPS TYPE	VOLTS	WATTS	REMARKS
A1	RECESSED 6' x 4" WIDE LED	EATON NEO–RAY S124–S–795D–835–ETG–72FO–1–UNV–DD–F–W	–	LED	120	39.6	– –
A2	RECESSED 4' x 4" WIDE LED	EATON NEO–RAY S124–DR–S–795D–835–ETG–4FO–1–UNV–DD–F–W	–	LED	120	26.4	–
B1	2x4 LED TROFFER	EATON COOPER NEO–RAY 284R–1–L35–ESTG–U–DD–1–D–95N	–	LED	120	29	– –
B2	2x2 LED TROFFER	EATON COOPER NEO–RAY 282R–1–L35–ESTG–U–DD–1–D–95N	–	LED	120	29	– –
C1	RECESSED 4' LONG x 4" WIDE WALL WASH	COOPER NEO–RAY 23X–R–1–L35–FSR–4–DB–U–STD–1–W	1	LED	120	28	– –
D1	SUSPENDED INDIRECT 16'–0" FIXTURE	AMERLUX LINEA LIN1.5I–A16–BAT–ASW10–5–35–HW–120/277–CON–0–10V	–	LED	120	80	ROUND CANOPY, AIR–CRAFT CABLE SUSPENSION
D2	SUSPENDED INDIRECT FIXTURE	AMERLUX LINEA LIN1.5I–A16–BAT–ASW10–5–35–HW–120/277–5'–0"–CON–0–10V	–	LED	120	25	ROUND CANOPY, AIR–CRAFT CABLE SUSPENSION
F1	RECESSED 4' LONG x 4" WIDE LED	EATON NEO–RAY S124–DRP–1–35–ETG–0048–1–U–ED–1–W	–	LED	120	28	– –
F2	RECESSED 6' LONG x 4" WIDE LED	EATON NEO–RAY S124–DRP–1–35–ETG–0072–1–U–ED–1–W	–	LED	120	42	– –
G1	SURFACE 8' LONG x 1' WIDE LED	ENVIROBRITE FNW88035	–	LED	120	70	– –
G2	SURFACE 4' LONG x 1' WIDE LED	ENVIROBRITE FNW44035	–	LED	120	35	– –
H1	12' LONG WALL MOUNT INDIRECT ASSYMETRIC LED – 3" ARM LENGTH	VODE WINGRAIL 107–WG–01–12–ZZ–WA–2S–AH–1–0–Z–SO–35–0"–0AL–0	–	LED	120	6.3w/ft	–
H2	14' LONG WALL MOUNT INDIRECT ASSYMETRIC LED – 3" ARM LENGTH	VODE WINGRAIL 107–WG–01–14–ZZ–WA–2S–AH–1–0–Z–SO–35–0"–0AL–0	–	LED	120	–	–
H3	20' LONG WALL MOUNT INDIRECT ASSYMETRIC LED – 3" ARM LENGTH	VODE WINGRAIL 107–WG–01–20–ZZ–WA–2S–AH–1–0–Z–SO–35–0"–0AL–0	–	LED	120	–	–
H4	24' LONG WALL MOUNT INDIRECT ASSYMETRIC LED – 3" ARM LENGTH	VODE WINGRAIL 107–WG–01–24–ZZ–WA–2S–AH–1–0–Z–SO–35–0"–0AL–0	–	LED	120	–	–
J1	6" RECESSED LED DOWNLIGHT WITH DECORATIVE GLASS	SHAPER SS–340–6B–10–DE010–340–EU6B–1020–9035–6LBX11L–CQ	–	LED	120	11	CONFIRM FIXTURE GLASS OPTIONS WITH ARCHITECT
K1	LED KEYLESS CEILING LAMPHOLDER WITH GUARD	LEVITON 000–09850–LED	1	LED/GU24	120	10	–
L1	RECESSED LENSED SHOWER LIGHT	ATLANTIC LIGHTING LED7–DLM11–35K–U–7LEDDO–WH	–	LED	120	10.1	–
M1	CORNER MOUNTED DETENTION FIXTURE WET LOCATION	EATON FAIL–SAFE FCC–X4–4–LD4–1–STD–3500–UNV–80/84–EDD–1–WL	–	LED	120	36.6	NO SPEAKER
M2	CORNER MOUNTED DETENTION FIXTURE WITH SPEAKER HOUSING	EATON FAIL–SAFE FCC–X4–4–LD4–1–STD–3500–UNV–80/84–EDD–1–MOD	–	LED	120	36.6	WITH SPEAKER HOUSING
M3	CORNER MOUNTED DETENTION FIXTURE	EATON FAIL–SAFE FCC–X4–2–LD4–1–STD–3500–UNV–80/84–EDD–1	–	LED	120	36.6	NO SPEAKER
N1	2" LED DOWNLIGHT	EATON HALO ML4D–09–FL–935–E–TIR45FL40–TL41R–MW–H24SICAT	–	LED	120	12.1	–
P	RED/GREEN LED INDICATOR FIXTURE	SIGNAL TECH TCL147RG–225	–	LED	120	6.4	PROVIDE AT EACH OVERHEAD DOOR AT SALLYPORT
Q	6" RECESSED LED DOWNLIGHT	EATON HALO ML5609935–692H–E750ICAT	–	LED	120	13.5	–
X–A1	EXTERIOR WALL MOUNTED FIXTURE PERSONNEL DOORS	LITHONIA D–SERIES DSXW1 LED–10C–1000–40K–T3M–120–BBW–DBLXD	–	LED	120	40	–
X–A2	EXTERIOR WALL MOUNTED FIXTURE REAR PERSONNEL DOOR & OVERHEAD DOORS	LITHONIA D–SERIES DSXW1 LED–20C–1000–40K–T3M–120–BBW–DBLXD	–	LED	120	74	–
X–A3	EXTERIOR WALL MOUNTED FIXTURE OUTBUILDING	LITHONIA D–SERIES DSXW1 LED–20C–1000–40K–T3M–120–BBW–DBLXD–PIR	–	LED	120	74	–
	LED EXIT SIGN	SURE–LITE APX–7–U–R–WH	–	LED	120/277	0.99	PROVIDE SINGLE/DOUBLE FACE, WITH OR WITHOUT ARROWS PER PLANS
A	HIGH ABUSE LED EXIT SIGN	SURE–LITE UX7–1/2–WH–SD	–	LED	120/277	1.4	PROVIDE SINGLE/DOUBLE FACE, WITH OR WITHOUT ARROWS PER PLANS
B	WEATHER PROOF LED EXIT SIGN WITH REMOTE CAPABILITY	SURE–LITE APX–H7–U–R–WH	–	LED	120/277	1.3	PROVIDE SINGLE/DOUBLE FACE, WITH OR WITHOUT ARROWS PER PLANS
EM	EMERGENCY BATTERY UNIT	SURE–LITE APLEL	–	LED	120/277	0.78	
EM	EMERGENCY BATTERY UNIT EXTRA CAPACITY	SURE–LITE APLEL–H2	–	LED	120/277	0.78	
WP	REMOTE EMERGENCY FIXTURE	SURE–LITE APWR–2–WH	–	LED	120/277	0.78	CONFIRM FIXTURE COLOR WITH ARCHITECT

SUBMISSIONS & REVISIONS		
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NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ELECTRICAL LEGEND, FIXTURE SCHEDULE AND NOTES

B|E|R
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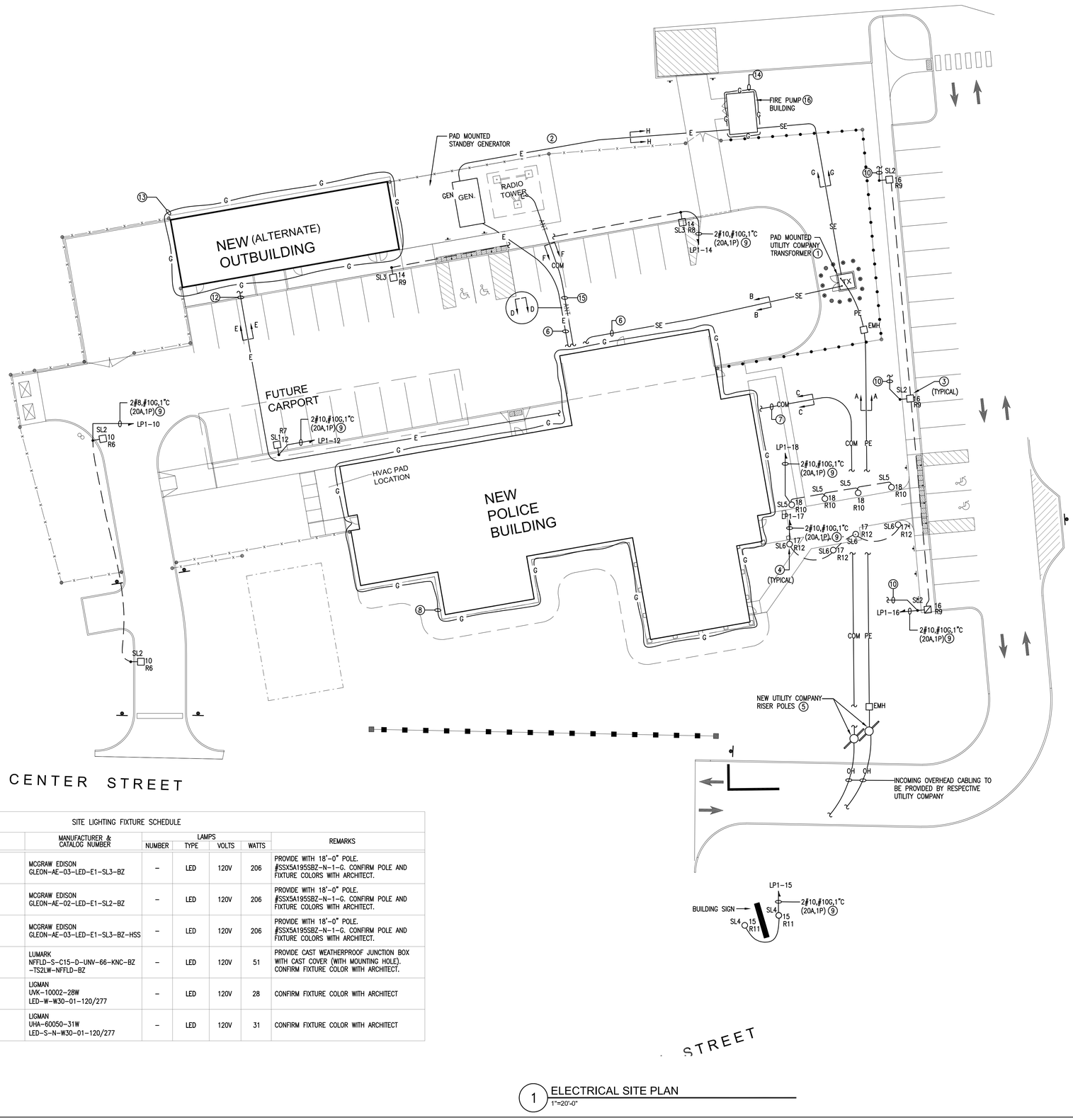
100 Midway Road - Suite 23, Cranston, RI 02920, T 401.942.3500, F 401.228.6205, www.ber-engineering.com

PROJ. NO.	DRAWING NO.
JH1830	E-0.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



1 ELECTRICAL SITE PLAN
1"=20'-0"

KEYED NOTES:

1. PAD MOUNTED UTILITY COMPANY TRANSFORMER, FURNISHED AND INSTALL BY LOCAL UTILITY COMPANY. FURNISHED AND INSTALL CONCRETE PAD PER LOCAL UTILITY COMPANY REQUIREMENTS. REFER TO TRANSFORMER PAD DETAIL ON DRAWING ES-1.1
2. PAD MOUNTED STANDBY GENERATOR LOCATION. FURNISHED AND INSTALL CONCRETE PAD PER GENERATOR MANUFACTURER REQUIREMENTS. REFER TO GENERATOR PAD DETAIL ON DRAWING ES-1.1.
3. REFER TO SITE LIGHTING POLE BASE DETAIL ON DRAWING ES-1.1.
4. REFER TO BOLLARD SITE LIGHTING BASE DETAIL ON DRAWING ES-1.1.
5. REFER TO UTILITY COMPANY RISER POLE DETAIL ON DRAWING ES-1.1. LOCAL UTILITY COMPANY TO REMOVE AND REPLACE EXISTING UTILITY POLES WITH NEW RISER POLES AS NECESSARY.
6. ROUTE GENERATOR AND SECONDARY ELECTRIC CONDUIT DUCTBANKS BELOW FLOOR SLAB TO ELECTRIC ROOM#126.
7. ROUTE INCOMING COMMUNICATIONS SERVICE CONDUIT DUCTBANK BELOW FLOOR SLAB TO COMMUNICATIONS ROOM#114.
8. PROVIDE #3/0 AWG GROUND RING AROUND PERIMETER OF BUILDING. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
9. ROUTE SITE LIGHTING BRANCH CIRCUITRY VIA DIGITAL LIGHTING CONTROL RELAY PANEL. REFER TO DRAWING E-3.1.
10. PROVIDE (1) 1" CONDUIT FROM SITE LIGHTING POLE TO COMMUNICATIONS ROOM #114 FOR SECURITY CAMERA.
11. PROVIDE (4) 4" CONDUITS WITH PULL ROPE FROM COMMUNICATIONS ROOM #114 TO RADIO TOWER LOCATION. STUB-UP AND CAP CONDUITS, CONFIRM TERMINATION LOCATION/REQUIREMENTS WITH OWNER'S RADIO TOWER VENDOR/INSTALLER.
12. ROUTE CONDUIT DUCT BANK FROM OUTBUILDING BELOW FLOOR SLAB TO ELECTRIC ROOM #126.
13. PROVIDE #8 AWG GROUND RING AROUND PERIMETER OF OUTBUILDING. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
14. PROVIDE #6 AWG GROUND RING AROUND AROUND PERIMETER OF FIRE PUMP BUILDING. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
15. ROUTE COMMUNICATIONS CONDUIT DUCTBANK FROM ANTENNA BELOW FLOOR SLAB TO COMMUNICATIONS ROOM #114.
16. FIRE PROTECTION STORAGE TANK CONTROL PANEL TO BE INSTALLED AT FIRE PUMP BUILDING. CONTROL PANEL SHALL BE FURNISHED AND INSTALLED BY FIRE PROTECTION SUBCONTRACTOR. PROVIDE 20A, 120V BRANCH CIRCUIT (2#12,#12G,3/4"C) FROM FIRE PUMP BUILDING PANEL BOARD TO CONTROL PANEL. PROVIDE (1) 1" CONDUIT FROM CONTROL PANEL TO STORAGE TANK FOR SENSOR WIRING. PROVIDE 2#12,#12G,3/4"C FROM CONTROL PANEL TO ASSOCIATED SOLENOID VALVE. COORDINATE ALL INSTALLATION REQUIREMENTS WITH FIRE PROTECTION SUBCONTRACTOR.

SITE LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS NUMBER	LAMPS TYPE	LAMPS VOLTS	LAMPS WATTS	REMARKS
SL1	SINGLE LED SITE LIGHTING FIXTURE	MCGRAW EDISON GLEON-AE-03-LED-E1-SL3-BZ	–	LED	120V	206	PROVIDE WITH 18'-0" POLE. #SSX5A195SBZ-N-1-G. CONFIRM POLE AND FIXTURE COLORS WITH ARCHITECT.
SL2	SINGLE LED SITE LIGHTING FIXTURE	MCGRAW EDISON GLEON-AE-02-LED-E1-SL2-BZ	–	LED	120V	206	PROVIDE WITH 18'-0" POLE. #SSX5A195SBZ-N-1-G. CONFIRM POLE AND FIXTURE COLORS WITH ARCHITECT.
SL3	SINGLE LED SITE LIGHTING FIXTURE WITH HOUSE SIDE SHIELD	MCGRAW EDISON GLEON-AE-03-LED-E1-SL3-BZ-HSS	–	LED	120V	206	PROVIDE WITH 18'-0" POLE. #SSX5A195SBZ-N-1-G. CONFIRM POLE AND FIXTURE COLORS WITH ARCHITECT.
SL4	LED SIGN/FLOODLIGHT FIXTURE	LUMARK NFFLD-S-C15-D-UNV-66-KNC-BZ -TS2LW-NFFLD-BZ	–	LED	120V	51	PROVIDE CAST WEATHERPROOF JUNCTION BOX WITH CAST COVER (WITH MOUNTING HOLE). CONFIRM FIXTURE COLOR WITH ARCHITECT.
SL5	LED BOLLARD FIXTURE	LIGMAN UVK-10002-28W LED-W-W30-01-120/277	–	LED	120V	28	CONFIRM FIXTURE COLOR WITH ARCHITECT
SL6	LED IN-GROUND FLAG POLE FIXTURE	LIGMAN UHA-60050-31W LED-S-N-W30-01-120/277	–	LED	120V	31	CONFIRM FIXTURE COLOR WITH ARCHITECT

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ELECTRICAL SITE PLAN

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ber@ber-engineering.com www.ber-engineering.com

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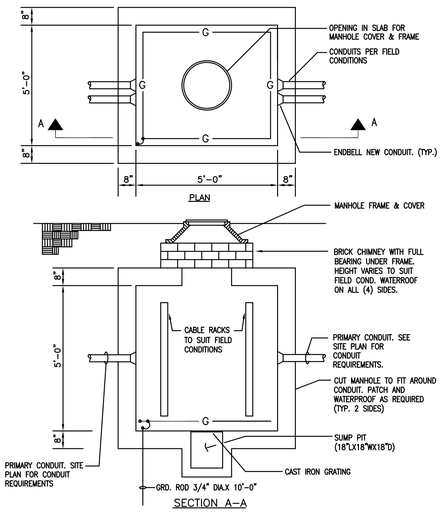
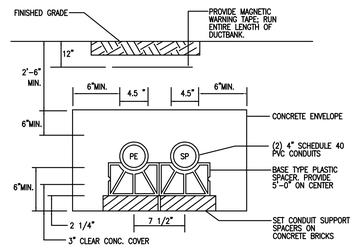


① ELECTRIC / COMMUNICATIONS MANHOLE DETAIL

N.T.S.

NOTE:

1. MANHOLE SHALL PROVIDE H20x1.25 LOADING – MINIMUM
2. COVER SHALL BE EMBOSSED WITH "ELECTRIC" OR "COMMUNICATIONS" AS APPLICABLE.
3. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILLING ASSOCIATED WITH THE INSTALLATION OF THE MANHOLE.
4. MANHOLE SHALL BE PER EVERSOURCE STD #M1216 CAT ID #9437.

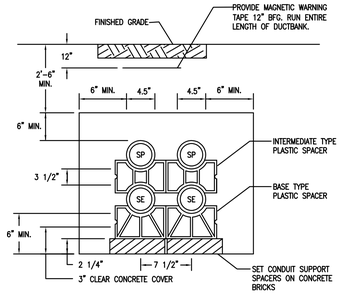


⑤ PRIMARY ELECTRIC DUCTBANK DETAIL "A-A"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL PRIMARY CONDUITS FOR UTILITY CO. USE.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.
3. ALL PRIMARY DUCTBANCKS SHALL BE INSPECTED AND APPROVED BY THE UTILITY COMPANY PRIOR TO ANY BACKFILLING OCCURRING.

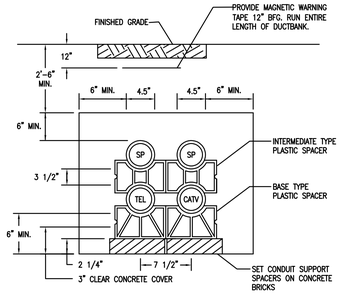


⑥ DUCTBANK DETAIL "B-B"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL SPARE CONDUITS.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.
3. UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL BE A MINIMUM OF 4".

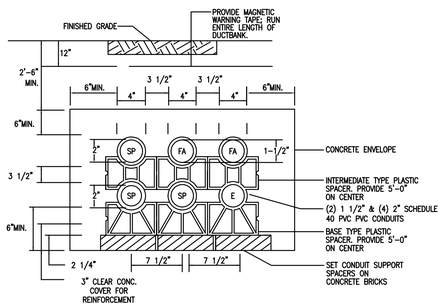


⑦ DUCTBANK DETAIL "C-C"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL CONDUITS FOR UTILITY CO. USE.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.
3. UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL BE A MINIMUM OF 4".

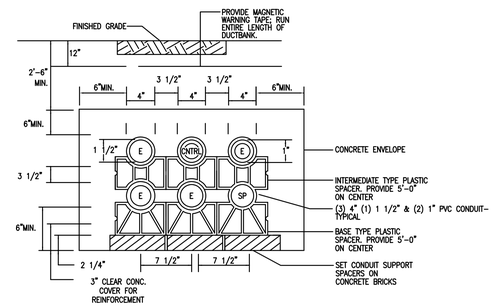


⑤ DUCTBANK DETAIL "E-E"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL SPARE CONDUITS.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.

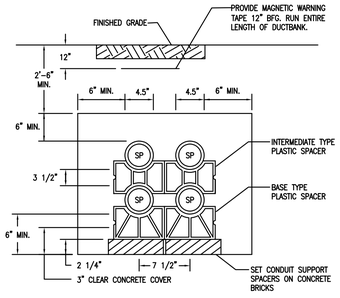


⑧ ELECTRIC DUCTBANK DETAIL "D-D"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE ALL SPARE CONDUITS WITH PULLWIRE.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.

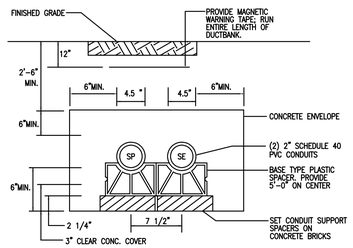


⑨ DUCTBANK DETAIL "F-F"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE ALL SPARE CONDUITS WITH PULLWIRE.
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.
3. UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL BE A MINIMUM OF 4".

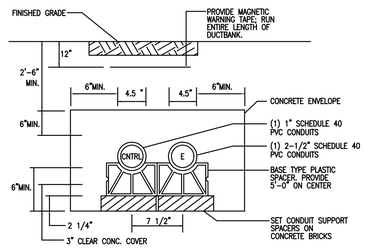


⑩ ELECTRIC DUCTBANK DETAIL "G-G"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL SPARE CONDUITS
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.



⑪ ELECTRIC DUCTBANK DETAIL "H-H"

SCALE: NOT TO SCALE

NOTES:

1. PROVIDE PULLWIRE IN ALL SPARE CONDUITS
2. ELECTRIC SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CONDUIT & CONDUIT SPACERS ASSOCIATED WITH THE DUCTBANK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, & CONCRETE ASSOCIATED WITH DUCTBANK. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB-CONTRACTOR.

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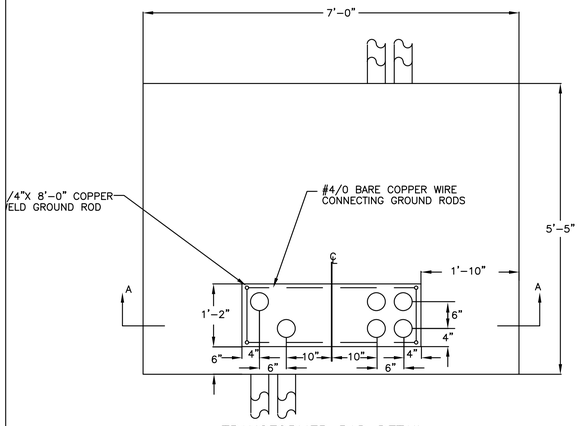
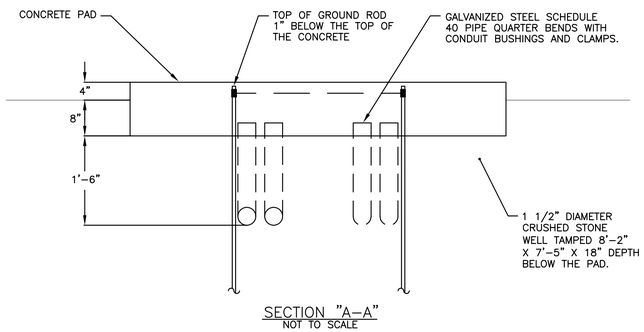


② TRANSFORMER PAD DETAIL
NOT TO SCALE



SECTION "A-A"
NOT TO SCALE

NOTES:

1. CONDUIT INSTALL AS SHOWN BEFORE SLAB IS POURED. USE 36" RADIUS BENDS, WITH COUPLINGS, NIPPLES AND BUSHINGS AS REQUIRED. (MATERIAL SHALL BE GALVANIZED RIGID STEEL WITH GALVANIZED RIGID STEEL ELBOWS. TERMINATIONS OF CONDUITS SHALL BE LOCATED EXACTLY AS SHOWN IN FIGURE 1, SOLID OR DOTTED, DEPENDING UPON NUMBER OF DUCTS. THE NIPPLE AND BUSHING SHOULD BE INSTALLED AFTER THE TRANSFORMER IS PLACED AND BEFORE THE CABLES ARE PULLED.

2. GROUND GRID–INSTALL #1/0 7 STRAND BARE COPPER (CODE 943108) WIRE LOOP 1'–0" BELOW 2. GRADE. BOND TO ALL EXPOSED METALLIC CONDUIT AND LEAVE 3'–0" OF WIRE ABOVE PAD FOR GROUNDING TRANSFORMER AT TWO OPPOSITE POINTS IN THE CABLE CONDUIT OPENINGS. INSTALL TWO 8' GALVANIZED STEEL (3/4") GROUND RODS AND TWO APPROVED GALVANIZED CONNECTORS BELOW GROUND. LEAVE GRID EXPOSED UNTIL INSPECTED BY THE UTILITY COMPANY.

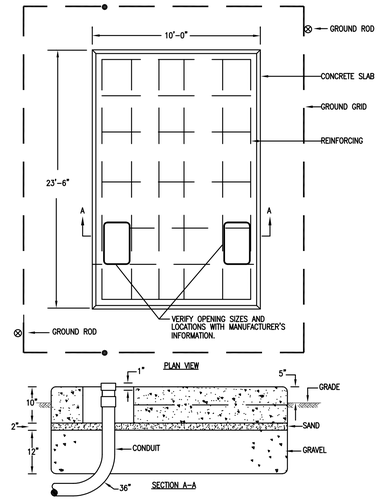
3. GRAVEL AND SAND–SHALL BE PLACED AS SHOWN IN FIGURES 1 AND 2; THE GRAVEL BEING 3. COMPACTED AND THE SAND THOROUGHLY WETTED JUST BEFORE PLACING THE CONCRETE.

4. CONCRETE SLAB–INSTALL CONCRETE IN ACCORDANCE WITH MIX #4 – STD 0211 – UNLESS OTHERWISE SPECIFIED. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

5. REINFORCING–TO BE #4 – GRADE 60 BARS AND SHALL CONFORM TO ASTM STD. A–615 OF LATEST DATE. REINFORCING RODS TO BE LOCATED IN CENTER OF SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE TO CONCRETE.

6. THE ELECTRICAL SUB–CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE PRIMARY CONDUIT AND GROUNDING ASSOCIATED WITH THE TRANSFORMER. THE TRANSFORMER SECONDARY CONDUIT AND CONDUCTORS SHALL BE PROVIDED BY THE ELECTRICAL SUB–CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, FORMING, REBAR AND CONCRETE ASSOCIATED WITH THE TRANSFORMER PAD. ALL WORK SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR AND THE ELECTRICAL SUB–CONTRACTOR.

7. EXACT TRANSFORMER PAD SIZED SHALL BE COORDINATED WITH THE LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION. CONFIRM ALL REQUIREMENTS PRIOR TO CONSTRUCTION.



③ STAND–BY GENERATOR PAD DETAIL
SCALE: NOT TO SCALE

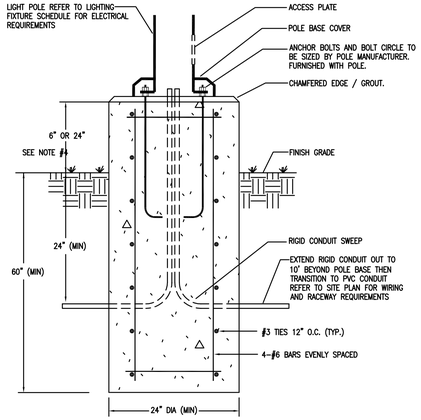
PADMOUNT GENERATOR – FOUNDATION

1. ELECTRIC SUB–CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE GENERATOR, CONDUIT, WIRING & GROUNDING ASSOCIATED WITH THE GENERATOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EXCAVATION, FORMING, REBAR & CONCRETE ASSOCIATED WITH GENERATOR PAD. ALL WORK SHALL BE COORDINATE BETWEEN THE GENERAL CONTRACTOR & THE ELECTRICAL SUB–CONTRACTOR.

2. CONDUIT – INSTALL AS SHOWN BEFORE SLAB IS POURED. USE 36" RADIUS BENDS, WITH COUPLINGS, NIPPLES AND BUSHINGS AS REQUIRED. (MATERIAL MAY BE GALVANIZED STEEL, OR PLASTIC.) TERMINATIONS OF CONDUITS SHALL BE LOCATED EXACTLY AS SHOWN, SOLID OR DOTTED, DEPENDING ON THE NUMBER OF DUCTS. THE NIPPLE AND BUSHING SHOULD BE INSTALLED AFTER THE GENERATOR IS PLACED AND BEFORE THE CABLES ARE PULLED.

3. GROUND GRID – INSTALL #4/0 S.D. 7 STRAND BARE COPPER WIRE LOOP 1'–0" BELOW GRADE. BOND TO ALL EXPOSED METALLIC CONDUIT AND LEAVE 3'–0" OF WIRE ABOVE PAD FOR GROUNDING GENERATOR AT TWO OPPOSITE POINTS IN THE CABLE CONDUIT OPENINGS. PROVIDE PHOS–COPPER BRAZE CONNECTIONS, OR CADWELD, OR USE TWO APPROVED CONNECTORS PER JOINT. INSTALL TWO 10 FT. GALVANIZED STEEL (3/4") GROUND RODS WHERE SHOWN. LEAVE GRID EXPOSED UNTIL INSPECTED BY THE ENGINEER.

4. THIS DETAIL SHALL BE USED FOR BIDDING PURPOSES ONLY. VERIFY EXACT GENERATOR SIZE, PAD SIZE, AND CONSTRUCTION DETAILS WITH GENERATOR MANUFACTURER AND OWNER PRIOR TO INSTALLATION.



④ SITE LIGHTING POLE BASE DETAIL
SCALE: NOT TO SCALE

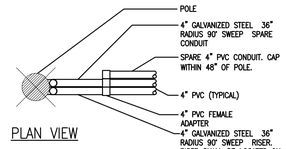
NOTES:

1. BASE DETAIL PROVIDED TO INDICATE GENERAL INTENT OF THE ELECTRICAL INSTALLATION. MODIFY BASE DEPTH AND DIAMETER TO ACCOMMODATE LIGHTING FIXTURE AND SOIL CHARACTERISTICS.

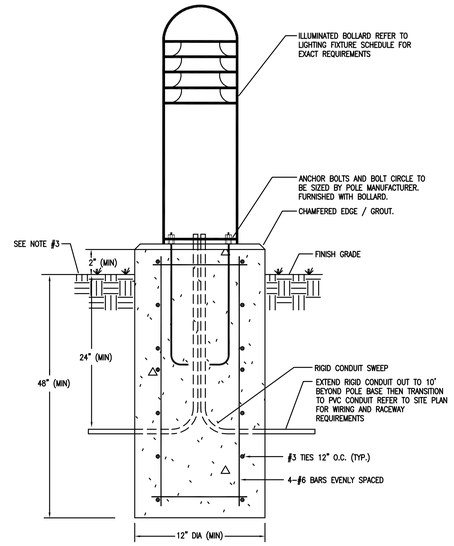
2. COORDINATE ANCHOR BOLT PLACEMENT WITH GENERAL CONTRACTOR. POLE BASE EXCAVATION FORMING, REBAR AND CONCRETE BY G.C.

3. POLE BASE DETAIL FOR INFORMATION ONLY. REFER TO SITE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

4. POLE BASE SHALL BE INSTALLED AT 24"AFG OR AS DIRECTED BY THE ARCHITECT.



PLAN VIEW



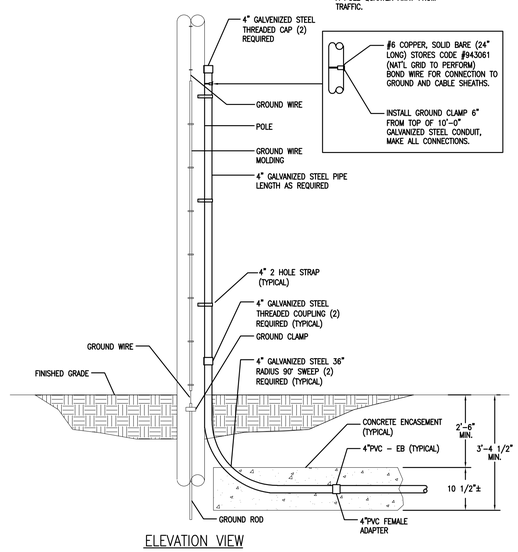
⑨ BOLLARD POLE BASE DETAIL
SCALE: NOT TO SCALE

NOTES:

1. BASE DETAIL PROVIDED TO INDICATE GENERAL INTENT OF THE ELECTRICAL INSTALLATION. MODIFY BASE DEPTH AND DIAMETER TO ACCOMMODATE BOLLARD AND SOIL CHARACTERISTICS.

2. COORDINATE ANCHOR BOLT PLACEMENT WITH GENERAL CONTRACTOR. BOLLARD BASE EXCAVATION FORMING, REBAR AND CONCRETE BY G.C.

3. BOLLARD BASE DETAIL FOR INFORMATION ONLY. REFER TO SITE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



ELEVATION VIEW

⑩ RISER POLE DETAIL
SCALE: NOT TO SCALE

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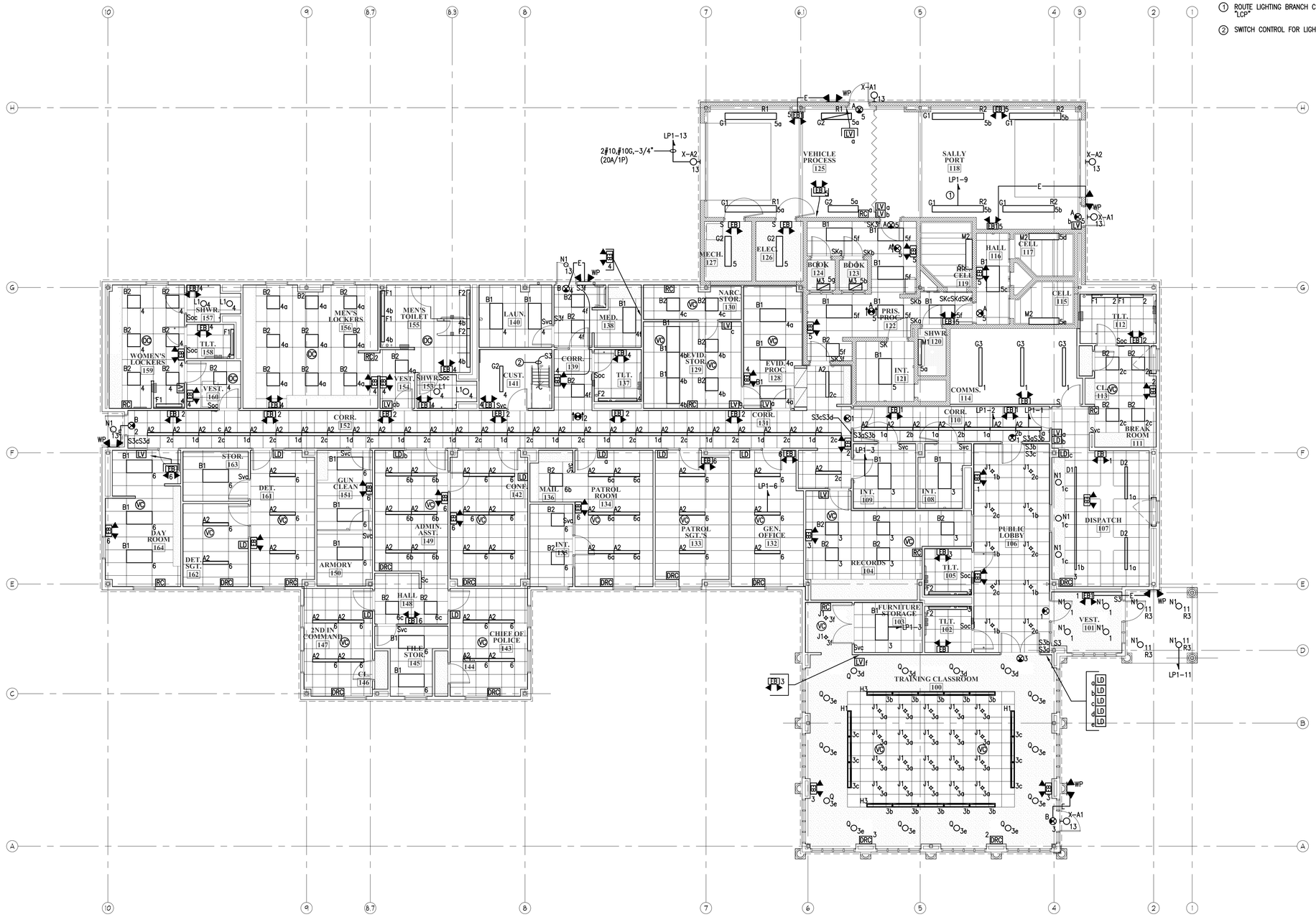
PROJ. NO.	DRAWING NO.
JH1830	ES-1.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

GENERAL NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL LIGHT FIXTURES.
2. ALL EXIT SIGNS AND EMERGENCY BATTERY UNITS SHALL BE WIRED AHEAD OF SWITCHING FOR "CONSTANT ON" OPERATION.

KEYED NOTES:

1. ROUTE LIGHTING BRANCH CIRCUIT VIA LIGHTING CONTROL PANEL "LCP"
2. SWITCH CONTROL FOR LIGHT FIXTURE AT TOP OF ATTIC STAIR.



1 ELECTRICAL FLOOR PLAN - LIGHTING
1/8"=1'-0"

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ELECTRICAL FLOOR PLAN - LIGHTING

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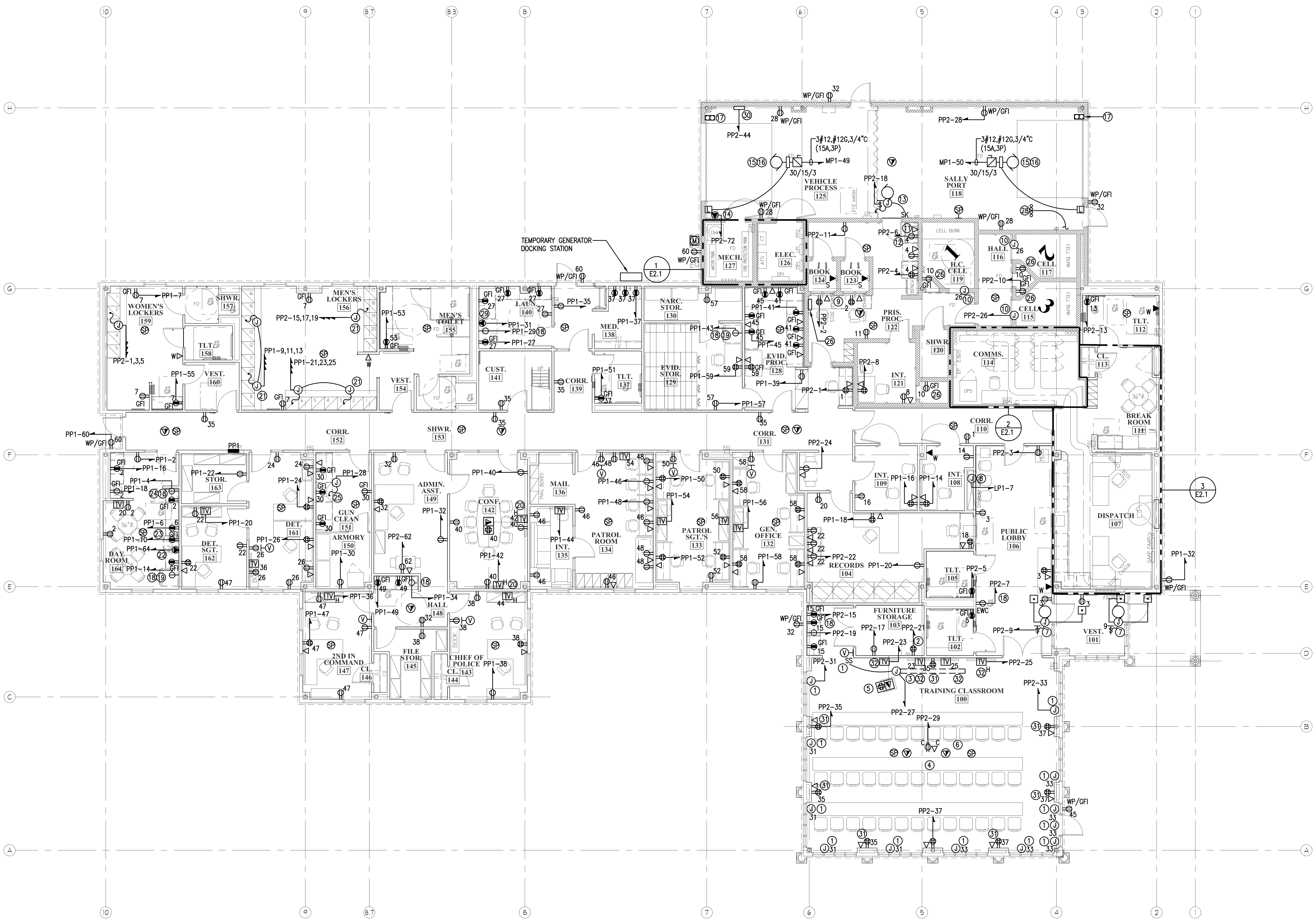
PROJ. NO.	DRAWING NO.
JH1830	E-1.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

GENERAL NOTES:

1. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL DEVICES PRIOR TO ROUGH-IN.
2. REFER TO INTERIOR ELEVATION DRAWINGS F-2.1 AND F-2.2 FOR LOCATIONS OF ITEMS WITHIN ROOMS #100, #101 AND #106.



1 ELECTRICAL FLOOR PLAN - POWER
1/8"=1'-0"

KEYED NOTES:

1. PROVIDE 120V POWER SOURCE, CONNECTIONS AND WIRING TO WALL MOUNTED WALL CONTROL SWITCH(ES) FOR MOTORIZED WINDOW SHADES. CONFIRM ALL WIRING AND INSTALLATION REQUIREMENTS WITH ARCHITECT.
2. MOUNT QUAD RECEPTACLES AT 60" AFF TO SERVE TRAINING CLASSROOM AV RACK.
3. PROVIDE 120V POWER SOURCE, CONNECTIONS AND WIRING TO WALL MOUNTED CONTROL SWITCH FOR CEILING MOUNTED MOTORIZED PROJECTION SCREEN.
4. RECEPTACLE AND TELE/DATA/HDMI OUTLET MOUNTED ON CEILING TO SERVE CEILING MOUNTED PROJECTOR. HDMI CABLE TO BE RUN TO FLOOR BOX LOCATED BELOW PODIUM.
5. FLOOR BOX ASSEMBLY, COORDINATE EXACT LOCATION WITH ARCHITECT. FLOOR BOX ASSEMBLY SHALL BE PROVIDED WITH (2) HDMI CABLES, ONE RUN TO CEILING MOUNTED OVERHEAD PROJECTOR AND ONE RUN TO WALL MOUNTED TV/MONITOR LOCATION.
6. CEILING MOUNTED WIRELESS ACCESS POINT (WAP) DEVICE LOCATION TO BE INTO TOWN-WIDE SYSTEM. CONFIRM REQUIREMENTS WITH OWNER'S REPRESENTATIVE.
7. AUTOMATIC DOOR OPERATOR. PROVIDE 120V POWER SOURCE, CONNECTIONS AND WIRING TO PUSH BUTTONS AS NECESSARY.
8. PROVIDE 120V POWER SOURCE AND CONNECTION FOR DISPLAY CASE LIGHTING. CONFIRM REQUIREMENTS WITH ARCHITECT.
9. MOUNT QUAD RECEPTACLES AND TELE/DATA OUTLETS AT PRISONER PROCESSING DESK AT 30" AFF.
10. PROVIDE 120V, 20A BRANCH CIRCUIT AND CONNECTIONS FOR CELL DOOR ELECTRIC LOCK. PROVIDE WIRING TO REMOTE DOOR RELEASE SWITCH/PUSHBUTTON LOCATED WITHIN DISPATCH. COORDINATE REQUIREMENTS WITH ARCHITECT.
11. MOUNT RECEPTACLE AND TELE/DATA OUTLET FOR BOOKING AREA PRINTER AT 44" AFF.
12. MOUNT RECEPTACLE AND TELE/DATA OUTLET FOR BOOKING AREA A.F.I.S. STATION AT 30" AFF.
13. MOTORIZED OVERHEAD COILING SECURITY GATE WITH KEYED SWITCH. PROVIDE BRANCH CIRCUITRY, CONNECTIONS AND WIRING TO CONTROL KEYED SWITCH. CONFIRM SWITCH LOCATION AND GATE INSTALLATION REQUIREMENTS WITH ARCHITECT.
14. CENTRAL VACUUM CANISTER LOCATION. PROVIDE BRANCH CIRCUITRY AND CONNECTIONS. CONFIRM BRANCH CIRCUITRY REQUIREMENTS WITH VENDOR.
15. OVERHEAD DOOR OPERATOR. PROVIDE ALL WIRING AND MAKE ALL CONNECTIONS FOR ALL ACCESSORY COMPONENTS ASSOCIATED WITH EACH OVERHEAD DOOR, INCLUDING ALL CONTROL STATIONS, LIMIT SWITCHES, PHOTO-ELECTRIC SENSORS AND VEHICLE DETECTION LOOPS.
16. PROVIDE (1) REMOTE CONTROL STATIONS WITHIN DISPATCH #107 FOR EACH OVERHEAD DOOR. REMOTE CONTROL STATIONS SHALL BE LOCATED IN DISPLAY CONSOLES. PROVIDE ALL ASSOCIATED WIRING BETWEEN OVERHEAD DOOR CONTROLLERS AND REMOTE CONTROL STATIONS.
17. TYPE 'P' RED/GREEN LED INDICATOR LIGHT FIXTURE. CONNECT TO OVERHEAD DOOR UPPER LIMIT SWITCH TO INDICATE DOOR OPEN OR CLOSED POSITION. PROVIDE 120V RELAY(S) AS NECESSARY. FIXTURE SHALL REMAIN ILLUMINATED RED UNTIL DOOR IS FULLY OPEN, THEN CHANGE TO GREEN.
18. PROVIDE 20A, 120V GFCI CIRCUIT BREAKER.
19. MOUNT RECEPTACLE AT 42" AFF TO SERVE REFRIGERATOR.
20. WALL MOUNTED TV/MONITOR OUTLET (WITH HDMI) TO BE MOUNTED AT 64" AFF. RUN HDMI CABLE TO FLOOR BOX BELOW CONFERENCE ROOM TABLE.
21. MODULAR LOCKERS. PROVIDE POWER FEED TO MODULAR LOCKERS (3/12, 3#12N, 2/12 GND. - (3) 20A, 1P CIRCUITS) AND PROVIDE CONNECTIONS AS NECESSARY. LOCKER POWER CABLE CONNECTORS (JUMPERS) SHALL BE FURNISHED BY MODULAR LOCKER MANUFACTURER, INSTALLED BY THE ELECTRICAL SUBCONTRACTOR. COORDINATE ALL INSTALLATION REQUIREMENTS WITH MODULAR LOCKER VENDOR AND ARCHITECT.
22. ELECTRIC STOVE. PROVIDE 3#6, #10G, 1" CONDUIT (50A/2P) AND NEMA 14-50R RECEPTACLE.
23. MOUNT RECEPTACLE WITHIN CABINET ABOVE TO SERVE COMBINATION MICROWAVE - HOOD.
24. MOUNT RECEPTACLE WITHIN ADJACENT BASE CABINET TO SERVE DISHWASHER.
25. ARMORY HOOD TO BE FURNISHED WITH INTEGRAL LIGHT FIXTURE, LIGHT SWITCH AND EXHAUST FAN SWITCH. PROVIDE 120V POWER SOURCE/CONNECTIONS AND PROVIDE CONNECTION FROM FAN CONTROL SWITCH UP TO ASSOCIATED EXHAUST FAN EF-XXX. COORDINATE INSTALLATIONS REQUIREMENTS WITH MECHANICAL SUB-CONTRACTOR.
26. PROVIDE 120V, 20A BRANCH CIRCUIT AND GFCI RECEPTACLE TO SERVE CELL FLUSH VALVE CONTROL SOLENOIDS. EACH RECEPTACLE SHALL BE CONTROLLED BY A REMOTE TOGGLE SWITCH. COORDINATE INSTALLATION REQUIREMENTS WITH PLUMBING SUB-CONTRACTOR AND ARCHITECT.
27. LOCATION OF REMOTE TOGGLE SWITCHES TO CONTROL CELL FLUSH VALVE CONTROL SOLENOID RECEPTACLES (4 TOTAL). CONFIRM EXACT MOUNTING LOCATION WITH ARCHITECT.
28. PROVIDE (4) 4" CONDUITS WITH PULL ROPE FROM FLAT ROOF ABOVE THE SALLY PORT TO THE COMMS. ROOM #114. COORDINATE EXACT ROUTING/TERMINATION LOCATIONS WITH THE ARCHITECT.
29. ELECTRIC DRYER. PROVIDE 3#10, #10G, 3/4" CONDUIT (30A/2P) AND NEMA 14-30R RECEPTACLE.
30. WASTE HOLDING TANK ALARM PANEL, FURNISHED AND INSTALLED BY PLUMBING SUBCONTRACTOR. ALL ASSOCIATED ALARM WIRING SHALL BE FURNISHED BY THE PLUMBING SUBCONTRACTOR AND INSTALLED BY THE ELECTRICAL SUBCONTRACTOR. PROVIDE 2" GRSC FROM PANEL TO TANK FOR ALARM WIRING.
31. MOUNTING HEIGHT OF WALL MOUNTED RECEPTACLES AND TEL/DATA OUTLETS WITHIN TRAINING CLASS ROOM #100 SHALL BE 14" AFF, UNLESS NOTED OTHERWISE.
32. MOUNT TV OUTLET BOX AT 73"AFF.

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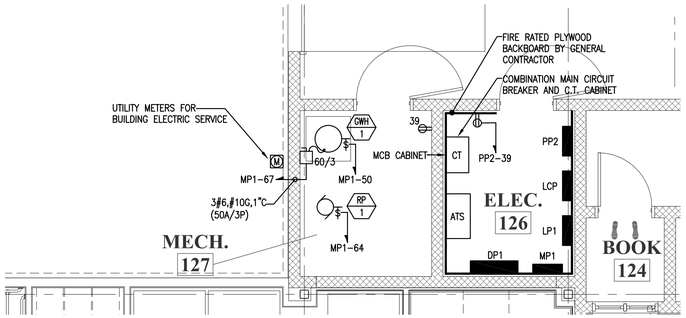
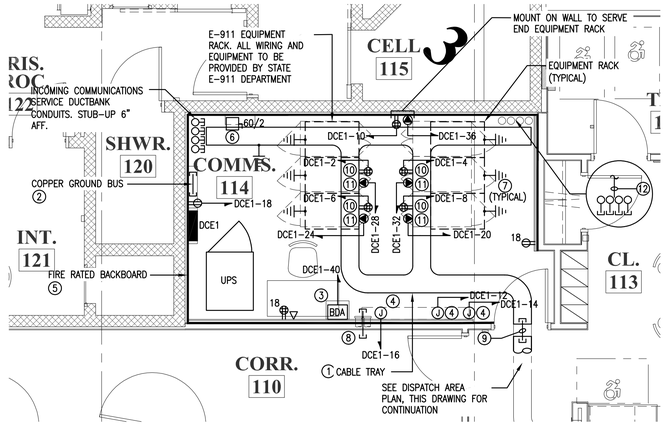
ELECTRICAL FLOOR PLAN - POWER

PROJ. NO. JH1830	DRAWING NO.
SCALE As Noted	E-2.0
DATE OCTOBER 2, 2019	



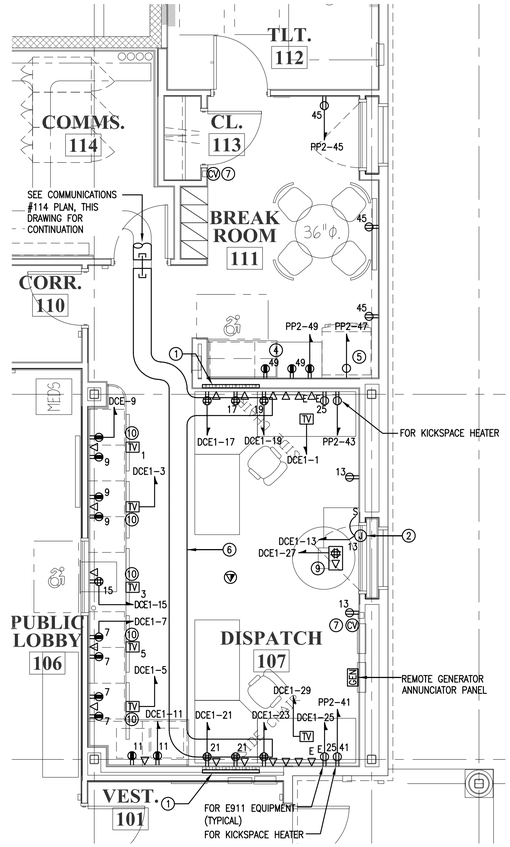
1 ELECTRICAL-MECHANICAL ROOM PART PLAN
1/4"=1'-0"



2 COMMUNICATIONS PART PLAN
1/4"=1'-0"

KEYED NOTES:

1. PROVIDE 18"Wx4"D OVERHEAD CABLE TRAY
2. PROVIDE 24"Lx2"Hx1/4" THICK COPPER GROUND BUS WITH INSULATED STAND-OFF BRACKETS EQUAL TO ERICO #TGBA24L140.
3. LOCATION OF BI-DIRECTIONAL ANTENNA (BDA) HEAD-END EQUIPMENT.
4. PROVIDE 120V POWER SOURCE FOR INTEGRATED TECHNOLOGY SYSTEMS.
5. 8'-0"Hx3/4" THICK FIRE RATED PLYWOOD BACKBOARD, FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
6. DISCONNECT SWITCH/POWER SUPPLY LOCATION FOR E-911 SYSTEM. COORDINATE EXACT LOCATION AND ALL CONNECTION REQUIREMENTS WITH E-911 CONTRACTOR.
7. PROVIDE #6 AWG GROUND FROM RACK AND CABLE TRAY TO GROUND BUS.
8. PROVIDE (4) 4" CONDUIT SLEEVES FROM CABLE TRAY TO ABOVE CORRIDOR CEILING FOR LOW VOLTAGE/COMMUNICATIONS SYSTEMS CABLING. TERMINATE EACH END WITH FIBER BUSHINGS.
9. PROVIDE (4) 4" CONDUIT SLEEVES FROM CABLE TAY TO ABOVE DISPATCH AREA CEILING (ABOVE CABLE TRAY) FOR LOW VOLTAGE/COMMUNICATIONS SYSTEMS CABLING. TERMINATE EACH END WITH FIBER BUSHINGS.
10. PROVIDE NEMA L6-20R RECEPTACLE (2#12, #12G, 3/4"C-20A, 2P) AND MOUNT ON SIDE OF OVERHEAD CABLE TRAY TO SERVE EQUIPMENT RACK BELOW.
11. PROVIDE QUAD RECEPTACLE AND MOUNT ON SIDE OF OVERHEAD CABLE TRAY TO SERVE EQUIPMENT RACK BELOW.
12. PROVIDE (4) 4" CONDUITS WITH PULL ROPE FROM COMMUNICATIONS ROOM TO RADIO ANTENNA AND (4) 4" CONDUITS WITH PULL ROPE TO FLAT ROOF ABOVE SALLY PORT FOR RADIO/COMMUNICATIONS CABLING. REFER TO DRAWING ES-1.0 AND E-2.0 FOR CONTINUATION.



3 DISPATCH AREA PART PLAN
1/4"=1'-0"

KEYED NOTES – DISPATCH AREA:

1. PROVIDE BANK OF (6) 1-1/4" CONDUITS FROM ABOVE SUSPENDED CEILING (AT CABLE TRAY) DOWN TO 4" SQ x 2-1/2"D BACK BOX:
   - (1) E-911 POWER
   - (2) POWER
   - (2) DATA CABLING
   - (1) SPARE WITH PULL STRING
2. PROVIDE 120V POWER SOURCE, CONNECTIONS AND WIRING TO WALL MOUNTED CONTROL SWITCH FOR MOTORIZED SHADE. CONFIRM ALL WIRING AND INSTALLATION REQUIREMENTS WITH ARCHITECT.
3. PROVIDE (4) 4" CONDUIT SLEEVES ABOVE CEILING (ABOVE CABLE TRAY) FROM DISPATCH AREA TO ABOVE COMMUNICATIONS CEILING/CABLE TRAYS FOR LOW VOLTAGE COMMUNICATIONS CABLING. TERMINATE EACH END FIBER BUSHINGS.
4. MOUNT RECEPTACLES AT STORAGE UNITS AT 42", 38", AND 54" AFF. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATION DRAWINGS.
5. PROVIDE 20A, 120V GFCI CIRCUIT BREAKER.
6. PROVIDE 18"W X 4"D OVERHEAD CABLE TRAY.
7. CENTRAL VACUUM OUTLET LOCATION. PROVIDE18/2 LOW VOLTAGE CONTROL WIRING FROM OUTLET TO CENTRAL VACUUM UNIT IN SALLYPORT. CONFIRM ALL CONTROL WIRING REQUIREMENTS WITH VENDOR.
8. LOCATIONS OF REMOTE CELL DOOR OPERATOR SWITCHES. CONFIRM LOCATION AND WIRING REQUIREMENTS WITH ARCHITECT.
9. FLOOR BOX ASSEMBLY. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT (POWER) AND 1" CONDUIT (TEL-DATA) FROM FLOOR BOX UP NEAREST WALL TO ABOVE ACCESSIBLE CEILING FOR RESPECTIVE WIRING/CABLING.
10. LOCATE OUTLET BOX SERVING TV ON FACE OF SOFFIT. COORDINATE/CONFIRM MOUNTING LOCATION/HEIGHT WITH ARCHITECT.

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SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

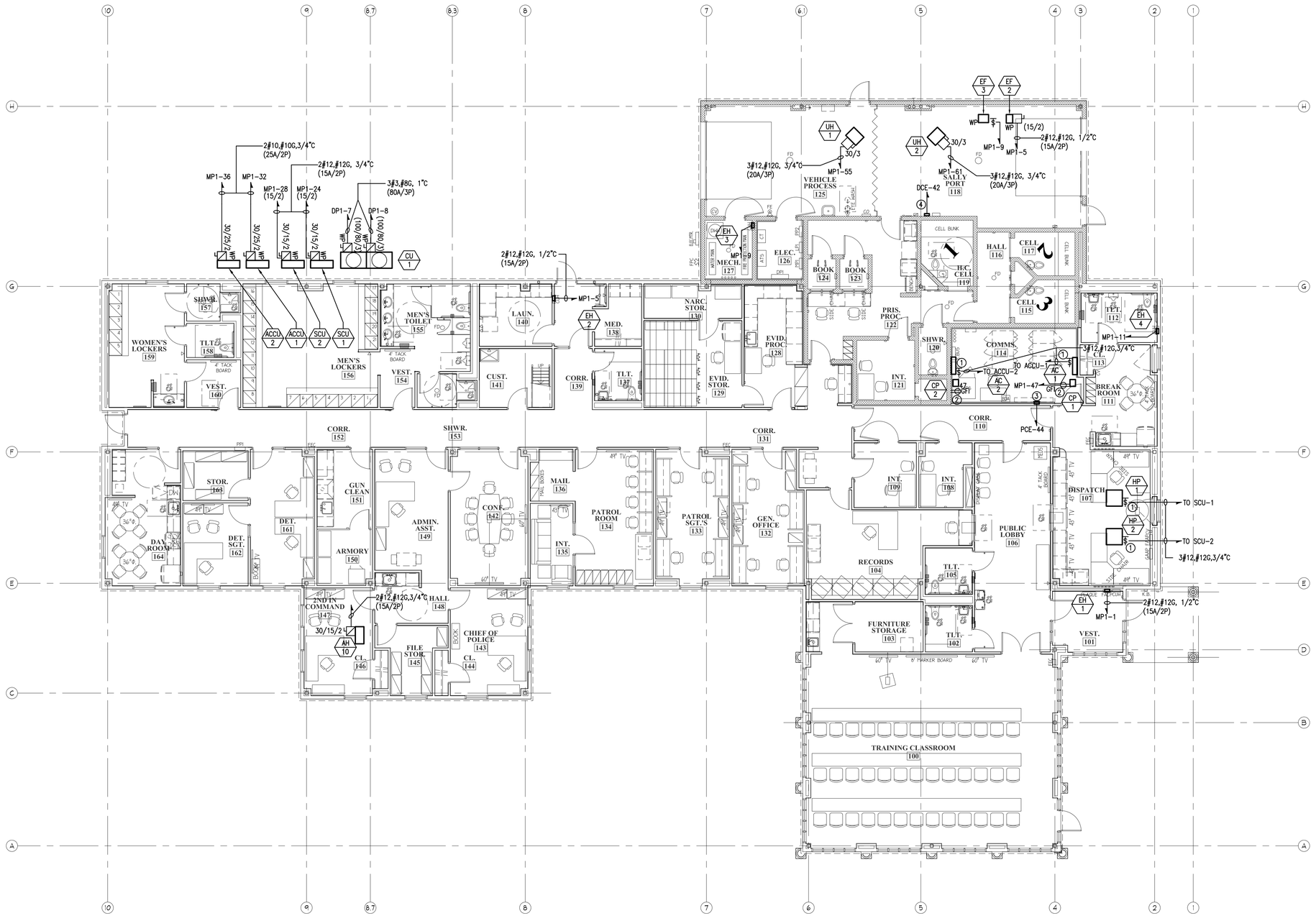
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ELECTRICAL PART PLANS

PROJ. NO.	DRAWING NO.
JH1830	*E-2.1*
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

KEYED NOTES:

1. PROVIDE A MULTI-POLE TOGGLE SWITCH EQUIVALENT TO LEVITON MDS SERIES MS303-DS.
2. LOCATE RECEPTACLE TO SERVE CONDENSATE PUMP.
3. HVAC CONTROL PANEL.
4. CO DETECTION PANEL.



1 ELECTRICAL FLOOR PLAN - MECHANICAL POWER
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
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ELECTRICAL FLOOR PLAN - MECHANICAL POWER

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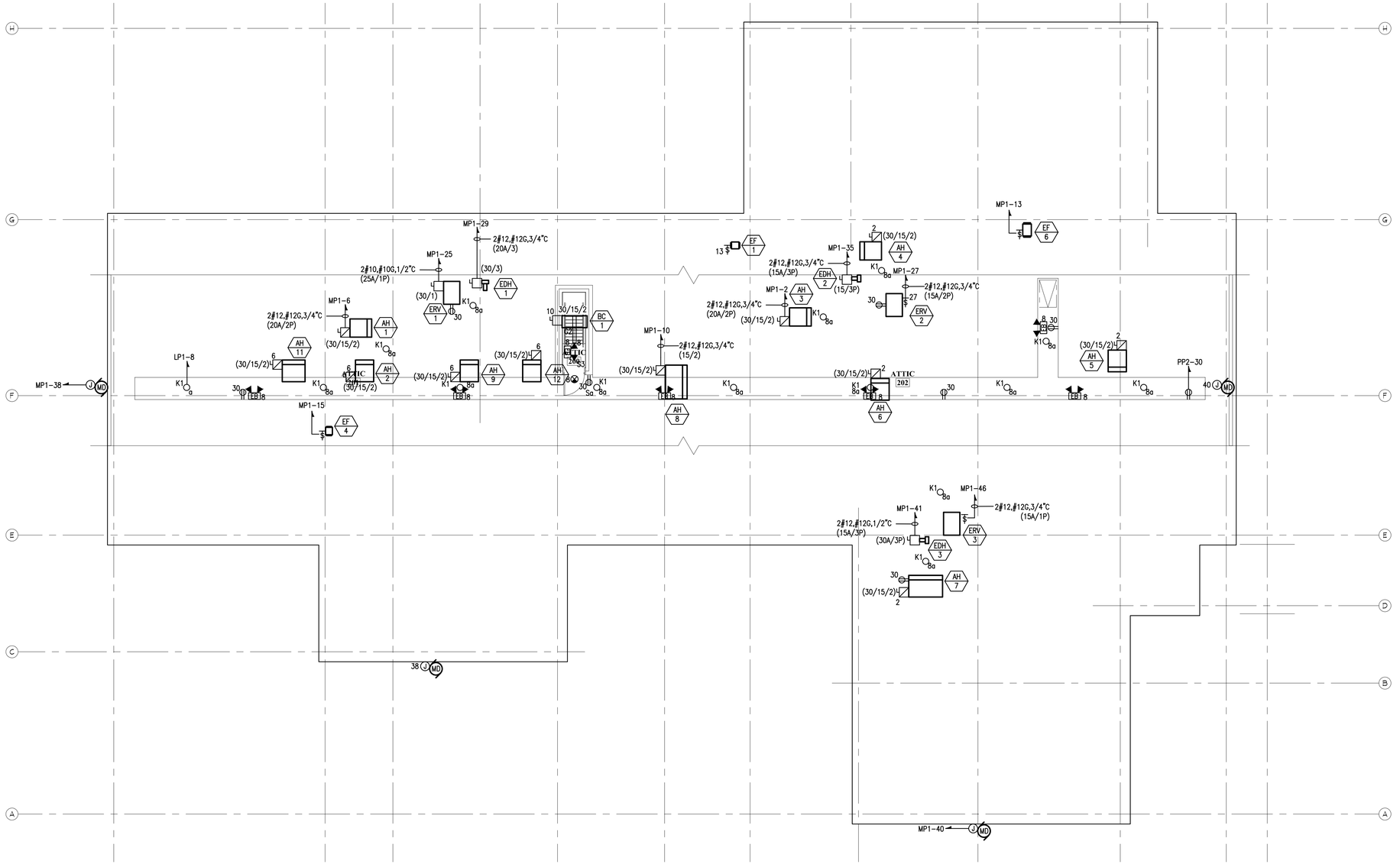
PROJ. NO.	DRAWING NO.
JH1830	E-2.2
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



1 MAIN BUILDING ATTIC ELECTRICAL PLAN
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE DEPARTMENT
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MAIN BUILDING ATTIC ELECTRICAL PLAN

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PROJ. NO.	DRAWING NO.
JH1830	E-2.3
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

GENERAL NOTES:

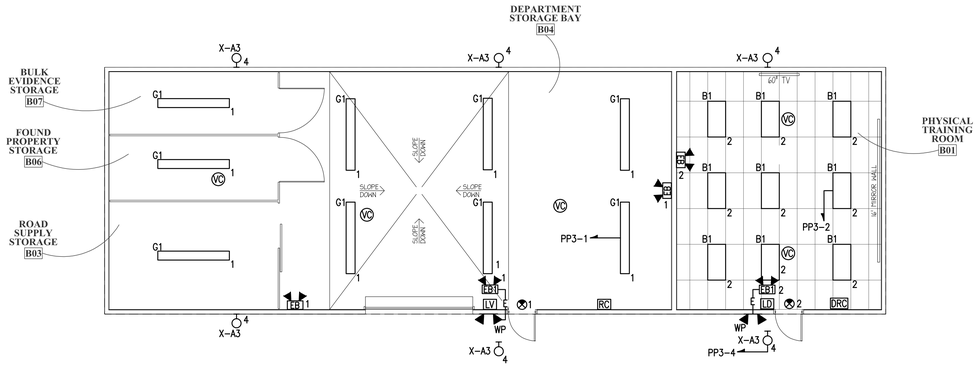
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL LIGHT FIXTURES.
2. ALL EXIST SIGNS AND EMERGENCY BATTERY UNITS SHALL BE WIRED AHEAD OF SWITCHING FOR "CONSTANT ON" OPERATION.

KEYED NOTES:

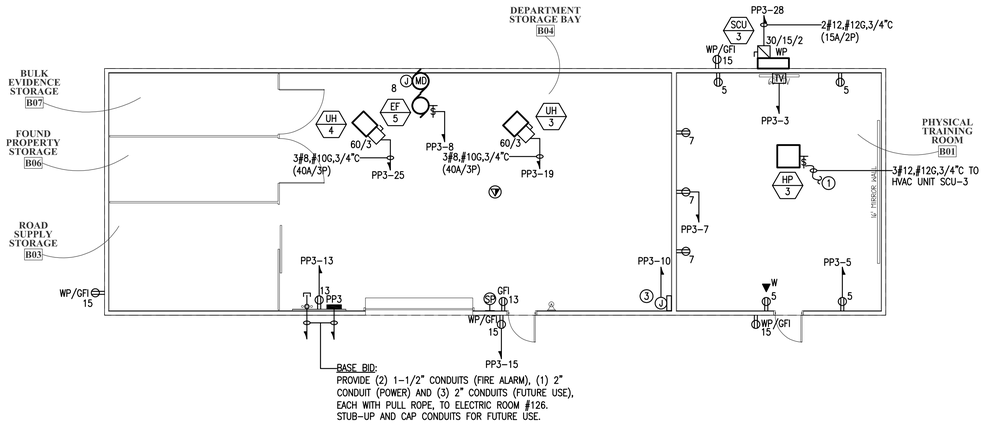
(1) PROVIDE A MULTI-POLE TOGGLE SWITCH EQUIVALENT TO LEVITON MDS SERIES MS303-DS.

(2) ALL OUTBUILDING WORK INDICATED (UNLESS NOTED OTHERWISE) SHALL BE ADD ALTERNATE #1. PROVIDE SEPARATE PRICING.

(3) ELECTRONIC TRAP PRIMER. FURNISHED AND INSTALLED BY PLUMBING SUBCONTRACTOR. PROVIDE 120V POWER SOURCE.



1 ELECTRICAL (OUTBUILDING) PLAN - LIGHTING (2)
1/8"=1'-0"



2 ELECTRICAL (OUTBUILDING) PLAN - POWER (2)
1/8"=1'-0"

SUBMISSIONS & REVISIONS		
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ELECTRICAL (OUTBUILDING) PLANS - POWER AND LIGHTING

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PROJ. NO.	DRAWING NO.
JH1830	E-2.4
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

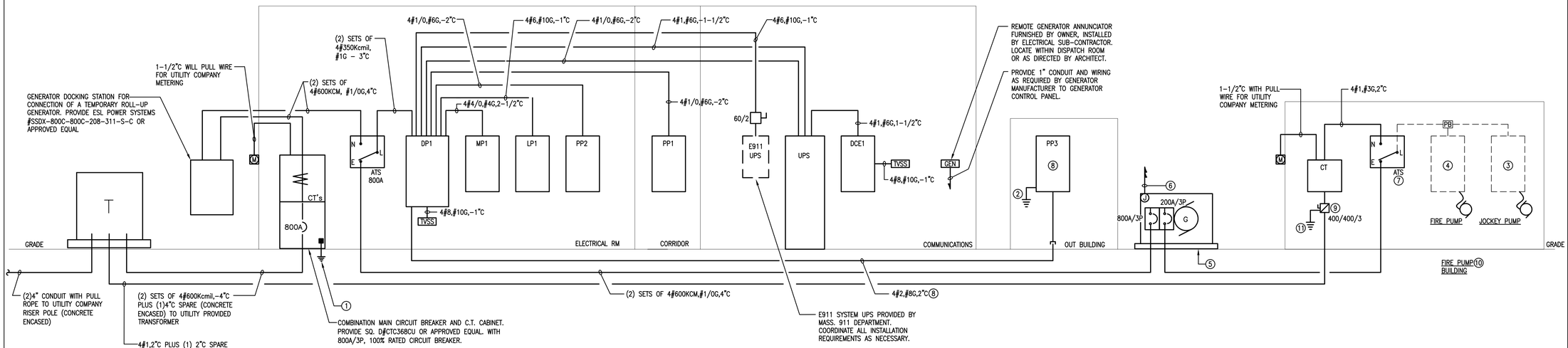
DISTRIBUTION PANEL "DP1"				65,000 AIC
800A MAIN LUGS ONLY				
MAINS: 800 AMP VOLTAGE: 120/208 PHASE: 3 WIRE: 4				
CKT NO	OVERCURRENT DEVICE FRAME	OVERCURRENT DEVICE TRIP	DESCRIPTION OF LOAD	REMARKS
1	125	60	PANEL LP1	
2	225	150	PANEL PP1	
3	225	150	PANEL PP2	
4	225	225	PANEL MP1	
5	125	110	UPS	
6	225	150	UPS BY-PASS	
7	125	80	HVAC UNIT CU-1	
8	125	80	HVAC UNIT CU-1	
9	125	–	SPACE ONLY	PROVIDE BUSSING AND PROVISIONS
10	125	–	SPACE ONLY	PROVIDE BUSSING AND PROVISIONS
11	125	100	PANEL PP3	
12	125	60	E911 UPS	
13	125	30	TVSS UNIT	
14	125	–	SPACE ONLY	
15	125		SPACE	PROVIDE BUSSING AND PROVISIONS
16	225		SPACE	PROVIDE BUSSING AND PROVISIONS

UNLESS NOTED OTHERWISE, ALL CIRCUIT BREAKERS SHALL BE 3 POLE

PANELBOARD SCHEDULE **

PANEL DESIGNATION	VOLTS	PHASE	WIRES	MAINS MLO: MAIN LUGS ONLY MCB: MAIN CKT. BKR. BUS SIZE	OVERCURRENT DEVICE FRAME AMPS	OVERCURRENT DEVICE TRIP AMPS	BKR. POLES	BRANCH DEVICES BREAKER AMPS 15	20	25	30	40	50	60	70	TOTAL POLES *	MOUNTING S: SURFACE F: FLUSH	GROUND BUS	ADDITIONAL BRANCH C.B.'S	REMARKS
MP1	120/208	3	4	225	MLO		1	3	22	1						84	S	✓		
							2	7	3	2										
							3	4	4				1							
LP1	120/208	3	4	125	MLO		1		25							30	S	✓		
							2													
							3													
PP1	120/208	3	4	225	MLO		1		64							84	F	✓	(6) 20A, 1P, GFCI	PROVIDE SINGLE TUB, 84 CKT PANEL
							2			1										
							3													
PP2	120/208	3	4	225	MLO		1		55							84	S	✓	(3) 20A, 1P, GFCI	PROVIDE SINGLE TUB, 84 CKT PANEL
							2		1											
							3													
PP3	120/208	3	4	125	125	100	1		18							30	S	✓	–	ADD ALTERNATE #1
							2	1												
							3					2								
DCE1	120/208	3	4	125	MLO		1		34							54	S	✓		PROVIDE SINGLE TUB, 54 CKT PANEL
							2		5											
							3													

* INCLUDES SPACES
** ALL BRANCH CIRCUIT PANEL BOARDS SHALL BE SERIES RATED AT 65KAIC



1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

KEYED NOTES:

1. PROVIDE #3/0 AWG GROUND CONDUCTOR IN 1-1/4" CONDUIT TO STREET SIDE OF WATER SERVICE, TO 3/4" x 10'-0" COPPER-CLAD GROUND ROD, TO FOUNDATION REBAR AND TO #3/0 AWG PERIMETER GROUND RING PER NEC ART.250.
2. PROVIDE #8 AWG GROUND CONDUCTOR IN 3/4" CONDUIT TO STREET SIDE OF WATER SERVICE, TO FOUNDATION REBAR, TO 3/4"X10'-0" COPPER-CLAD GROUND ROD AND TO #8 AWG PERIMETER GROUND RING PER NEC ART.250.
3. JOCKEY PUMP CONTROLLER, FURNISHED, INSTALLED AND PRE-WIRED BY THE FIRE PUMP BUILDING MANUFACTURER.
4. FIRE PUMP CONTROLLER, FURNISHED, INSTALLED AND PRE-WIRED BY THE FIRE PUMP BUILDING MANUFACTURER.
5. 350kW/437kVA, 120/208V, 3 PHASE, 4 WIRE DIESEL FUELED STANDBY GENERATOR IN SOUND ATTENUATED WEATHERPROOF ENCLOSURE.
6. PROVIDE (2) 2#10, #10G (20A/2P) PLUS 2#10, #10G (20A/1P) IN 1" CONDUIT FOR GENERATOR BATTERY CHARGER, BATTERY WARMERS AND WATER JACKET HEATER. (PP2-34, PP2-36 AND PP2-38)
7. FIRE PUMP BUILDING AUTOMATIC TRANSFER SWITCH TO BE FURNISHED, INSTALLED AND PRE-WIRED BY THE FIRE PUMP BUILDING MANUFACTURER. INCOMING ELECTRICAL SERVICE DISCONNECT, CT CABINET, METER SOCKET CONDUCTORS AND STANDBY CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL SUB-CONTRACTOR.
8. BASE BID SCOPE OF WORK FOR OUTBUILDING SHALL INCLUDE EMPTY CONDUITS WITH PULL ROPE (CAPPED). INSTALLATION OF PANEL 'PP3' AND ASSOCIATED FEEDER CONDUCTORS SHALL BE ADD ALTERNATE #1, PROVIDE SEPARATE PRICING.
9. PROVIDE HEAVY DUTY SERVICE ENTRANCE RATED DISCONNECT SWITCH.
10. FIRE PUMP BUILDING TO BE PRE-MANUFACTURED AND INTERNALLY PRE-WIRE. COORDINATE NORMAL AND STANDBY CONNECTION REQUIREMENTS WITH MANUFACTURER/VENDOR AS NECESSARY FOR A COMPLETE INSTALLATION.
11. PROVIDE #6 AWG GROUND CONDUCTOR IN 3/4" CONDUIT TO STREET SIDE OF WATER SERVICE, TO FOUNDATION REBAR, TO 3/4"x10'-0" COPPER-CLAD GROUND ROD AND TO #6 AWG PERIMETER GROUND RING PER NEC. ART. 250.

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
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ELECTRICAL RISER DIAGRAM AND SCHEDULES

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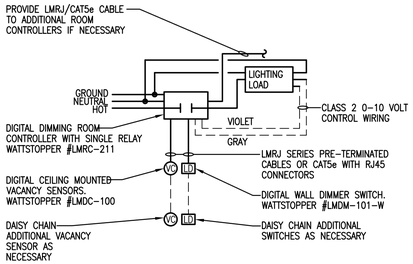
PROJ. NO.	DRAWING NO.
JH1830	E-3.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	

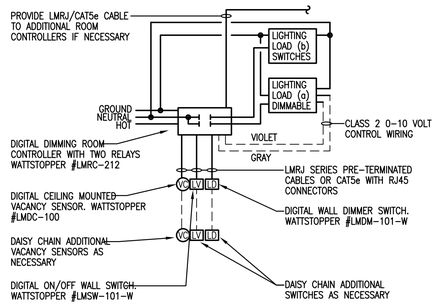


CEILING MOUNTED VACANCY SENSOR WITH WALL MOUNTED DIMMING CONTROL

1 Not To Scale

NOTES

1. ROOM CONTROLLER AND VACANCY SENSOR SHALL BE PROGRAMMED FOR MANUAL ON –SENSOR OFF OPERATION (VACANCY MODE).
2. ALL COMPONENTS SHALL BE WATTSTOPPER OR APPROVED EQUAL.
3. CONFIRM ALL DEVICES COLORS WITH ARCHITECT.
4. REFER TO FLOOR PLANS FOR VACANCY SENSOR AND SWITCHING ARRANGEMENT.

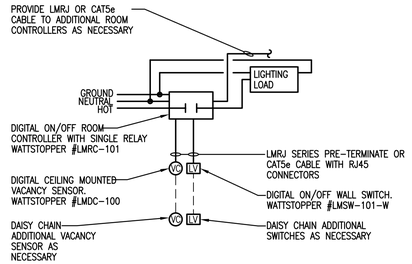


CEILING MOUNTED VACANCY SENSOR WITH WALL MOUNTED ON/OFF AND DIMMING CONTROL

2 Not To Scale

NOTES

1. ROOM CONTROLLER AND VACANCY SENSOR SHALL BE PROGRAMMED FOR MANUAL ON –SENSOR OFF OPERATION (VACANCY MODE).
2. ALL COMPONENTS SHALL BE WATTSTOPPER OR APPROVED EQUAL.
3. CONFIRM ALL DEVICES COLORS WITH ARCHITECT
4. REFER TO FLOOR PLANS FOR VACANCY SENSOR AND SWITCHING ARRANGEMENT.
5. WIRING FOR INSTALLATIONS UTILIZING 3 RELAY ROOM CONTROLLER SHALL BE SIMILAR EXCEPT WITH #LMRC-213 ROOM CONTROLLER.

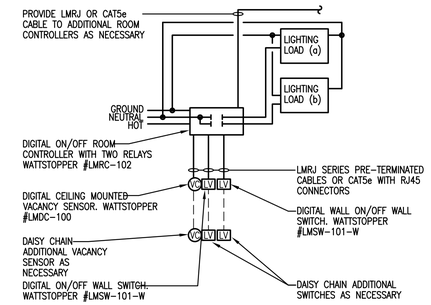


CEILING MOUNTED VACANCY SENSOR WITH ON/OFF SWITCH AND ONE RELAY ROOM CONTROLLER

3 Not To Scale

NOTES

1. ROOM CONTROLLER AND VACANCY SENSOR SHALL BE PROGRAMMED FOR MANUAL ON –SENSOR OFF OPERATION (VACANCY MODE).
2. ALL COMPONENTS SHALL BE WATTSTOPPER OR APPROVED EQUAL.
3. CONFIRM ALL DEVICES COLORS WITH ARCHITECT.
4. REFER TO FLOOR PLANS FOR VACANCY SENSOR AND SWITCHING ARRANGEMENT.

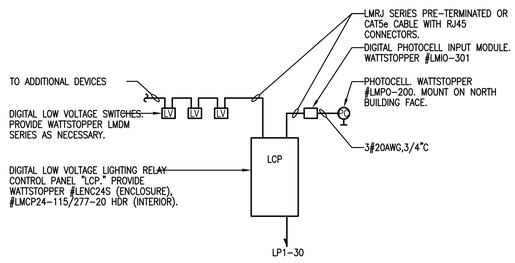


CEILING MOUNTED VACANCY SENSOR WITH WALL MOUNTED ON/OFF TWO RELAY ROOM CONTROLLER

4 Not To Scale

NOTES

1. ROOM CONTROLLER AND VACANCY SENSOR SHALL BE PROGRAMMED FOR MANUAL ON –SENSOR OFF OPERATION (VACANCY MODE).
2. ALL COMPONENTS SHALL BE WATTSTOPPER OR APPROVED EQUAL.
3. CONFIRM ALL DEVICES COLORS WITH ARCHITECT.
4. REFER TO FLOOR PLANS FOR VACANCY SENSOR AND SWITCHING ARRANGEMENT.

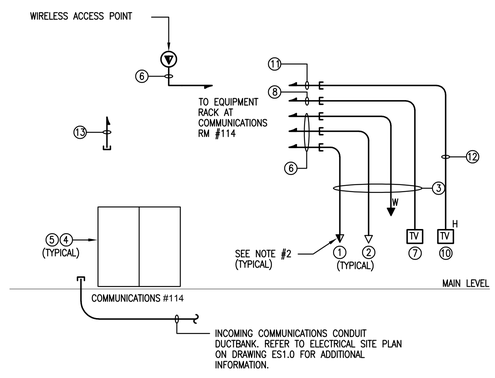


LOW VOLTAGE LIGHTING CONTROL SYSTEM RISER DIAGRAM

5 Not To Scale

NOTES

1. REFER TO FLOOR PLAN FOR LOCATIONS AND QUANTITIES OF ALL DEVICES.
2. ALL SYSTEM WIRING SHALL BE PER SYSTEM MANUFACTURER'S RECOMMENDATIONS TO ENSURE PROPER SYSTEM OPERATION.
3. ALL SYSTEM COMPONENTS SHALL BE WATTSTOPPER OR APPROVED EQUAL.



TELECOMMUNICATIONS SYSTEM RISER DIAGRAM

6 Not To Scale

NOTES

1. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL DEVICES.
2. EACH TEL/DATA OUTLET SHALL BE PROVIDED WITH A MINIMUM OF THREE CAT 6 CABLES. ANY UNUSED CABLE SHALL REMAIN AS SPARES.
3. ALL TELECOMMUNICATIONS OUTLETS SHALL BE PROVIDED WITH 2 LABELS WITH ROOM NUMBER AT TOP OF FACEPLATE AND JACK NUMBER AT BOTTOM OF FACEPLATE. LABEL SHALL BE BLACK TEXT ON CLEAR TAPE EQUAL TO P-TOUCH EXTRA STRENGTH ADHESIVE TZ LAMINATED TAPE.
4. FACEPLATES SHALL BE IVORY UNBREAKABLE NYLON, EXCEPT WHERE NOTED:
   • PROVIDE STAINLESS STEEL IN ROOMS 118, 125, 126, 127, 141, B03, B04, B05, B06, AND B07.

KEYED NOTES:

1. COMBINATION TEL/DATA OUTLET, DATA OUTLET OR TELEPHONE OUTLET. MOUNT IN DOUBLE GANG OUTLET BOX WITH SINGLE GANG REDUCER.
2. TEL/DATA OUTLETS SHALL CONSIST OF A 6-PORT MODULAR FACE PLATE WITH ACTIVE/BLANK PORTS AS REQUIRED.
3. PROVIDE 3/4" CONDUIT (MINIMUM) UP TO ABOVE NEAREST ACCESSIBLE CEILING IN FINISHED AREAS FOR EACH TEL/DATA OUTLET AND (1) 3/4" & (1) 1" CONDUITS FOR EACH TELE/DATA OUTLET WITH HDMI. PROVIDE 3/4" CONDUIT UP TO STRUCTURE IN UNFINISHED AREA'S. TERMINATE CONDUIT WITH FIBER BUSHING.
4. FLOOR STANDING EQUIPMENT RACK FOR TELECOMMUNICATIONS CABLING. PROVIDE 4-POST STYLE, (48 U RACK SPACE).
5. PROVIDE RACK MOUNTED 48 PORT PATCH PANEL'S WITH HINGED CABLE MANAGEMENT FOR TELECOMMUNICATIONS SYSTEM CABLING AS REQUIRED.
6. TEL/DATA CABLING SHALL BE THREE CAT 6, 24AWG UTP (BLUE). PROVIDE CABLING AS REQUIRED.
7. TV/MONITOR OUTLET. PROVIDE ARLINGTON #TVBS507 OR APPROVED EQUAL WITH 3/4" CONDUIT (MINIMUM) TO ABOVE NEAREST ASSESSIBLE CEILING. TV/MONITOR OUTLET SHALL CONSIST OF A 2 PORT MODULAR FACE PLATE WITH TWO ACTIVE PORT AND ONE BLANK PORT.
8. TV/MONITOR CABLING SHALL CONSIST OF (3) CAT6, 24 AWG. UTP.
9. EQUIPMENT RACKS FOR OTHER SYSTEMS (ie: E911, SECURITY, ACCESS CONTROL, ETC.) SHALL BE PROVIDE BY IT'S RESPECTIVE SUBCONTRACTOR.
10. TV/MONITOR OUTLET WITH HDMI PORT. PROVIDE ARLINGTON #TVB5507 OR APPROVED EQUAL WITH (1) 3/4" & (1) 1" CONDUITS (MINIMUM) TO ABOVE NEAREST ACCESSIBLE CEILING. TV/MONITOR OUTLET SHALL CONSIST OF (2) 2 PORT MODULAR FACE PALTES, 1 WITH 2 ACTIVE DATA PORTS AND 1 WITH 1 ACTIVE HDMI PORT.
11. TV/MONITOR/HDMI CABLING SHALL CONSIST OF (2) CAT6, 24 AWG UTP CABLES AND 1 ACTIVE HIGH SPEED HDMI WITH ETHERNET CABLE (HDMI CABLE SHALL RUN TO ASSOCIATED HDMI EQUIPPED TELE/DATA OUTLET IN ROOM, U.N.O.)
12. PROVIDE (1) 3/4" AND (1) 1" CONDUITS (MINIMUM) UP TO ABOVE NEAREST ACCESSIBLE CEILING IN FINISHED AREAS FOR EACH TV/MONITOR OUTLET EQUIPPED WITH HDMI. PROVIDE CONDUITS UP TO STRUCTURE IN UNFINISHED AREAS. TERMINATE CONDUITS WITH FIBER BUSHINGS.
13. PROVIDE (4) 4" CONDUITS FROM COMMS. ROOM #114 TO THE RADIO POWER AND (4) 4" CONDUITS TO THE FLAT ROOF ABOVE THE SALLY PORT FOR RADIO SYSTEM CABLING. PROVIDE EACH CONDUIT WITH A PULL ROPE AND TERMINATE EACH END WITH A FIBER BUSHING. CONFIRM/COORDINATE EXACT CONDUIT ROUTING/TERMINATION LOCATIONS WITH THE ARCHITECT.

LIGHTING CONTROL RELAY PANEL SCHEDULE "LCP"

RELAY NO.	BRANCH CIRCUIT	VOLTAGE	DISCRIPTION	SWITCH CONTROL	
R1	LP1-9	120V	SALLYPORT	a	
R2	LP1-9	120V	SALLYPORT	b	
R3	LP1-11	120V	PUBLIC ENTRY	N/A	(3)
R4	LP1-7	120V	LOBBY DISPLAY CASE LTG	N/A	(3)
R5	LP1-13	120V	SITE LTG	N/A	(2)
R6	LP1-10	120V	SITE LIGHTING	N/A	(2)
R7	LP1-12	120V	SITE LIGHTING	N/A	(2)
R8	LP1-14	120V	SITE LIGHTING	N/A	(2)
R9	LP1-16	120V	SITE LIGHTING	N/A	(2)
R10	LP1-18	120V	SITE LIGHTING	N/A	(2)
R11	LP1-15	120V	BUILDING SIGN	N/A	(3)
R12	LP1-17	120V	FLAG POLE	N/A	(2)
R13	–	120V	SPARE RELAY	N/A	
R14	–	120V	SPARE RELAY		
R15	–	120V	SPARE RELAY		
R16	–	120V	SPARE RELAY		
R17	–	120V	SPARE RELAY		
R18	–	120V	SPARE RELAY		
R19	–	120V	SPARE RELAY		
R20	–	120V	SPARE RELAY		
R21	–	–	SPACE ONLY		
R22	–	–	SPACE ONLY		
R23	–	–	SPACE ONLY		
R24	–	–	SPACE ONLY		

(1) EMERGENCY RELAY

(2) CONTROL SHALL BE PHOTOCELL ON–TIME CLOCK SCHEDULE OFF

(3) CONTROL SHALL BE TIME CLOCK SCHEDULE ON–OFF

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	10/2/19	BIDDING RELEASE

NEW FACILITY FOR THE
CARVER POLICE
DEPARTMENT
3 CENTER STREET
CARVER, MASSACHUSETTS

JHI
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
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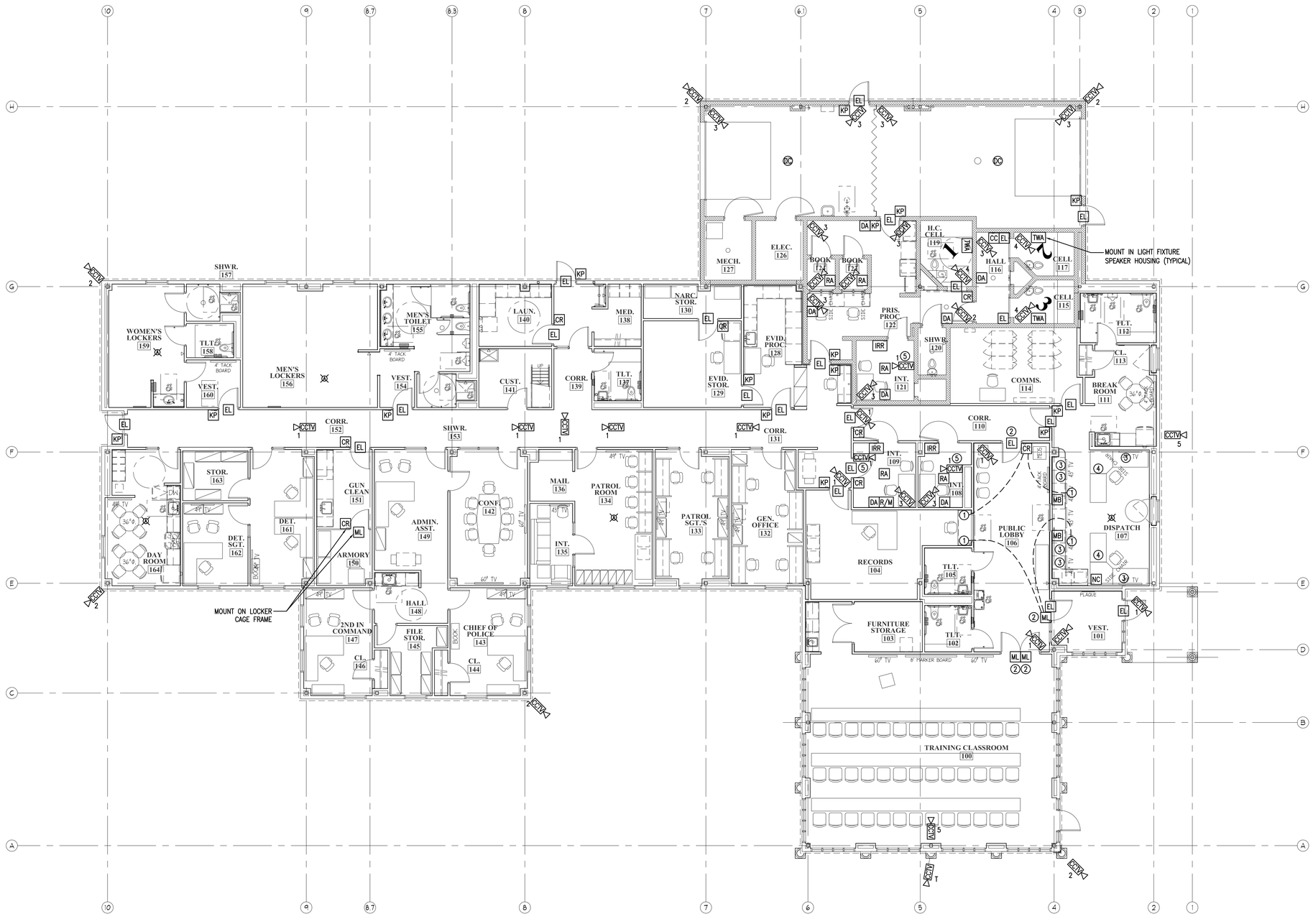
ELECTRICAL DETAILS AND SCHEDULES

PROJ. NO. JH1830

SCALE As Noted

DATE OCTOBER 2, 2019

DRAWING NO. E-3.1



1 ELECTRICAL FLOOR PLAN - SECURITY
1/8"=1'-0"

NOTES:

1. COORDINATE WITH (DIVISION 28) CONTRACTOR FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES PRIOR TO INSTALLATION.
2. DEVICES SHOWN ARE FOR CLARITY PURPOSES ONLY. THE E.C. SHALL PROVIDE CONDUIT, PULL STRINGS, AND BACK BOXES ONLY AT EACH DEVICE LOCATION. ACTUAL DEVICE AND WIRING WILL BE PROVIDED BY TECHNOLOGY CONTRACTOR (DIVISION 28).
3. PROVIDE 3/4" CONDUIT, SINGLE GANG BACK BOX AND PULL STRING. TERMINATE CONDUIT ABOVE NEAREST ACCESSIBLE CEILING WITH FIBER BUSHING (DIVISION 26).
4. REFER TO E4.1 FOR SECURITY LEGEND, DETAILS AND OUTBUILDING PLAN.

KEYED NOTES:

(1) DIVISION 28, PROVIDE (4) MOMENTARY CONTACT BUTTONS FOR REMOTE ACTIVATION OF ELECTRIC LOCKING/DOOR RELEASE. E.C. SHALL PROVIDE 2 GANG BACKBOXES WITH 3/4"C, TO ABOVE ACCESSIBLE CEILING.

(2) ELECTRIC LOCKING DEVICE OR MAGNETIC LOCK CONTROLLED BY MOMENTARY CONTACT BUTTON IN DISPATCH & RECORDS #104.

(3) WALL MOUNTED MONITORS BY DIVISION 28, INCLUDING MOUNTING HARDWARE, CONDUIT, DATA, POWER, PULL STRING, AND RECESSED BOX BY E.C. (REFERENCE DWG #E-2.1, DETAIL #3 FOR POWER REQUIREMENTS)

(4) DIVISION 28, PROVIDE (2) DESK MOUNTED MONITORS PER CONSOLE FURNITURE POSITION (TOTAL OF 6). MONITOR MOUNTING ARMS BY OWNER. (REFERENCE DWG #E-2.1, DETAIL #3 FOR POWER REQUIREMENTS).

(5) WALL MOUNTED COVERT CAMERA 4'-0" AFF.

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ELECTRICAL FLOOR PLAN - SECURITY

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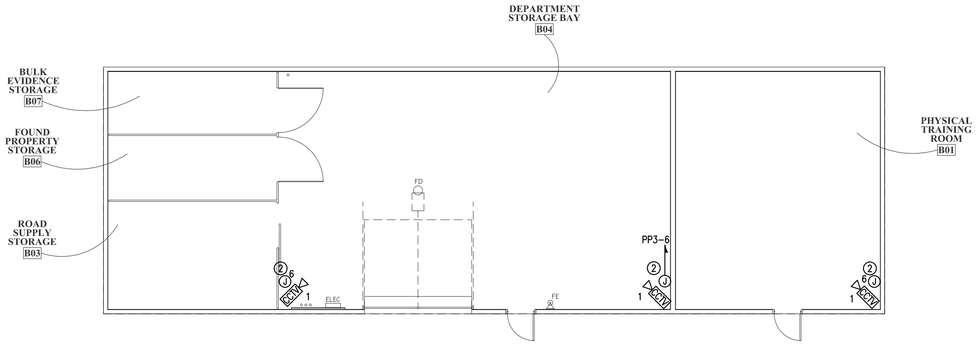
PROJ. NO.	DRAWING NO.
JH1830	E-4.0
SCALE: As Noted	
DATE: OCTOBER 2, 2019	



1 ELECTRICAL (OUTBUILDING) PLAN - SECURITY ①
1/8"=1'-0"

SECURITY LEGEND

CR	FOB READER (WALL MOUNT) – SEE WIRING DIAGRAM
CR LR	FOB READER (LONG RANGE) – SEE WIRING DIAGRAM
KP	FOB READER WITH KEYPAD (WALL MOUNT) – SEE WIRING DIAGRAM
ID	ENTRY VIDEO INTERCOM STATION
EL	ELECTRIC LOCKING DEVICE WITH RX SWITCH
CC	CELL CHECK (FOB READER)
MB	MOMENTARY CONTACT BUTTON
TWA	2–WAY AUDIO SPEAKER (MOUNTED W/IN LIGHTING FIXTURE)
IRR	INTERVIEW ROOM RECORDING (VIDEO AND AUDIO) SEE WIRING DIAGRAM RECORD–MUTE PUSHBUTTON STATION. PROVIDE 2 GANG BACKBOX.
NC	NET CLOCK (BY OWNER)
ML	MAGNETIC LOCK
	RECORD–MUTE PUSHBUTTON STATION. PROVIDE 2 GANG BACKBOX.
CCTV T	IP VIDEO CAMERA – PUBLIC TOWN–WIDE SYSTEM WITH POWER PROVIDED AT EACH LOCATION. (CAMERA'S BY OWNER)
1 CCTV	IP VIDEO CAMERA – 90° FOCAL WIDTH
2 CCTV	IP VIDEO CAMERA – MULTI–SENSOR (270° FOCAL WIDTH)
3 CCTV	IP VIDEO CAMERA W/MICROPHONE
4 CCTV	IP VIDEO CAMERA – VANDAL RESISTANT
5 CCTV	IP VIDEO CAMERA – 180° FOCAL WIDTH
DA	DURESS ALARM PUSHBUTTON
	DURESS ALARM BEACON
IRA	INTERVIEW RECORDING AUDIO
OC	OVERHEAD DOOR CONNECT

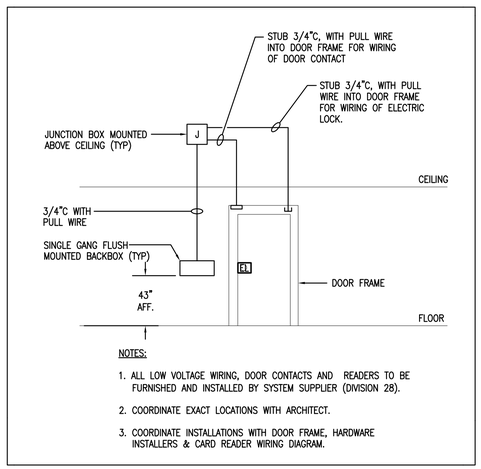
NOTES:

1. COORDINATE WITH (DIVISION 28) CONTRACTOR FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES PRIOR TO INSTALLATION.
2. DEVICES SHOWN ARE FOR CLARITY PURPOSES ONLY. THE E.C. SHALL PROVIDE CONDUIT, PULL STRINGS, AND BACK BOXES ONLY AT EACH DEVICE LOCATION. ACTUAL DEVICE AND WIRING WILL BE PROVIDED BY TECHNOLOGY CONTRACTOR (DIVISION 28).
3. PROVIDE 3/4" CONDUIT, SINGLE GANG BACK BOX AND PULL STRING. TERMINATE CONDUIT ABOVE NEAREST ACCESSIBLE CEILING WITH FIBER BUSHING (DIVISION 26).

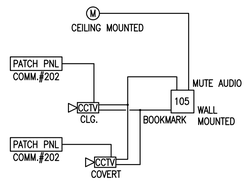
KEYED NOTES:

① ALL OUTBUILDING WORK INDICATED (UNLESS NOTED OTHERWISE) SHALL BE ADD ALTERNATE #1. PROVIDE SEPARATE PRICING.

② PROVIDE 120V POWER SOURCE TO SERVE SECURITY EQUIPMENT.



2 DOOR SECURITY RACEWAY DETAIL
E-4.1 SCALE: NONE



3 WIRING DIAGRAM FOR ROOM'S #108,#109 & #121 RECORDING SYSTEM (IRR)
E-4.1 SCALE: NONE

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ELECTRICAL (OUTBUILDING) PLAN - SECURITY, SECURITY LEGEND AND DETAILS

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PROJ. NO. JH1830	DRAWING NO. E-4.1
SCALE As Noted	
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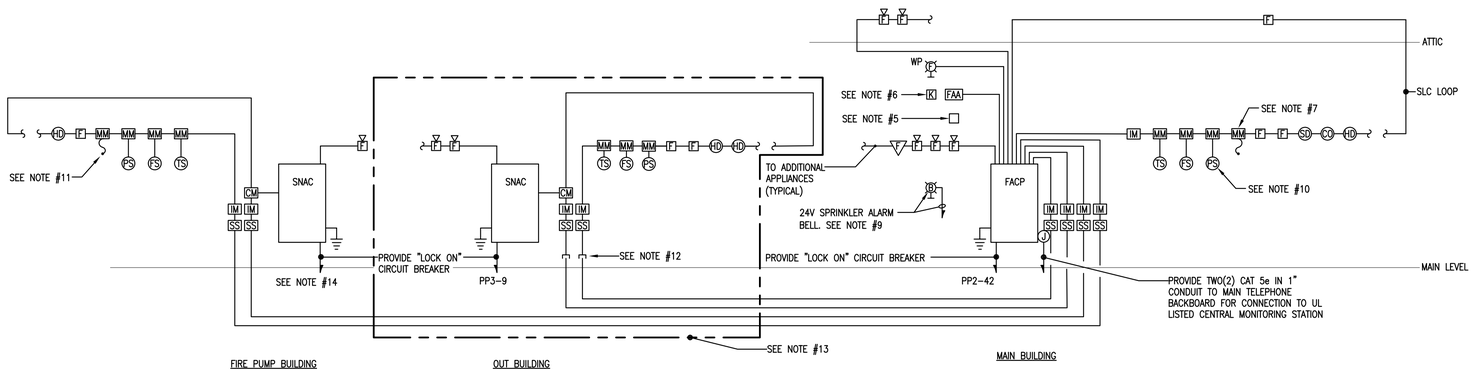

1 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

NOTES:

1. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL DEVICES.
2. THE FIRE ALARM SYSTEM SHALL CONFORM WITH THE REQUIREMENTS OF THE TOWN OF CARVER FIRE DEPARTMENT. SHOP DRAWINGS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR APPROVAL.
3. ALL FIRE ALARM SYSTEM WIRING SHALL BE CLASS A AND PER MANUFACTURER'S RECOMMENDATIONS.
4. ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA, STATE AND LOCAL BUILDING CODES AND THE AMERICANS WITH DISABILITIES ACT (ADA).
5. EXACT LAYOUT AND NOMENCLATURE OF NON-ILLUMINATED GRAPHIC MAP SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT.
6. KEY REPOSITORY BOX, PROVIDE PER THE REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT.
7. PROVIDE MONITOR MODULE AS NECESSARY FOR MONITORING OF CO DETECTION SYSTEM PANEL.
8. PROVIDE SURGE PROTECTION EQUAL TO DITEK CAT #DTK-TPK2
9. ELECTRIC SPRINKLER ALARM BELL TO BE FURNISHED AND INSTALLED BY FIRE PROTECTION SUB-CONTRACTOR, WIRED BY ELECTRICAL SUB-CONTRACTOR. WIRE BELL TO AUXILIARY CONTACT ON MAIN WATER FLOW SWITCH.
10. COORDINATE EXACT LOCATIONS AND QUANTITIES OF ALL SPRINKLER SYSTEM TAMPER, FLOW AND PRESSURE SWITCHES WITH THE FIRE PROTECTION CONTRACTOR.
11. PROVIDE MONITOR MODULES AS REQUIRED FOR MONITORING THE ELECTRIC FIRE PUMP (POWER ON, PUMP RUNNING, PHASE REVERSAL, ETC.) PER THE REQUIREMENTS OF NFPA 20.
12. BASE BID:
    PROVIDE (2) 1-1/2" CONDUITS WITH PULL ROPE FROM ELECTRIC ROOM #126, STUB-UP AND CAP CONDUITS.
13. ALL OUTBUILDING WORK INDICATED (UNLESS NOTED OTHERWISE) SHALL BE ADD ALTERNATE #1. PROVIDE SEPARATE PRICING.
14. PROVIDE BRANCH CIRCUITRY TO LOCAL FIRE PUMP BUILDING PANEL BOARD (20A/1P - 2#12,#12G,3/4"C). PANEL BOARD SHALL BE FURNISHED WITH FIRE PUMP BUILDING BY MANUFACTURER.

FIRE ALARM SYSTEM

F	MANUAL PULL STATION MOUNTED 48" AFF
M F	AUDIO/VISUAL ALARM MOUNTED 80" AFF. "M" DENOTES MINI-UNIT
LF F	AUDIO/VISUAL ALARM MOUNTED 80" AFF. "LF" DENOTES LOW FREQUENCY
F	VISUAL ONLY UNIT MOUNTED 80" AFF.
I SD	PHOTOELECTRIC SMOKE DETECTOR: "I" DENOTES IONIZATION SMOKE DETECTOR
SH	COMBINATION PHOTOELECTRIC SMOKE DETECTOR/HEAT DETECTOR
CO SD	PHOTOELECTRIC SMOKE DETECTOR: "C" DENOTES COMBINATION SMOKE/CARBON DETECTOR
SD	SYSTEM SMOKE DETECTOR WITH SOUNDER BASE
LF SD	SYSTEM SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE
CO	CARBON MONOXIDE DETECTOR
HD 190°	135° FIXED TEMPERATURE HEAT DETECTOR. "190°" INDICATES 190°F FIXED TEMPERATURE
TS	SPRINKLER TAMPER SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION SUBCONTRACTOR, WIRED BY THE ELECTRICAL SUBCONTRACTOR. PROVIDE FIRE ALARM MONITOR MODULE AND CONNECTION TO FIRE ALARM SYSTEM.
FS	SPRINKLER WATER FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION SUBCONTRACTOR, WIRED BY THE ELECTRICAL SUBCONTRACTOR. PROVIDE FIRE ALARM MONITOR MODULE AND CONNECTION TO FIRE ALARM SYSTEM.
DH	MAGNETIC DOOR HOLD OPEN DEVICE
M	FIRE ALARM MASTER BOX
K	KNOX BOX
SD	DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE
RTS	REMOTE TEST STATION FOR DUCT SMOKE DETECTOR WITH NAMEPLATE LABELED ACCORDINGLY
RAI	REMOTE ALARM INDICATOR
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM REMOTE ANNUNCIATOR
CM	ADDRESSABLE CONTROL MODULE
MM	ADDRESSABLE MONITOR MODULE
IM	ISOLATION MODULE
CR	ADDRESSABLE CONTROL RELAY
	EXTERIOR FIRE ALARM BEACON
K	KNOX BOX
B	ELECTRIC SPRINKLER ALARM BELL
SS	SURGE SUPPRESSION DEVICE. PROVIDE DITEK # DTK-2MHLP/2MHTP SERIES OR EQUAL

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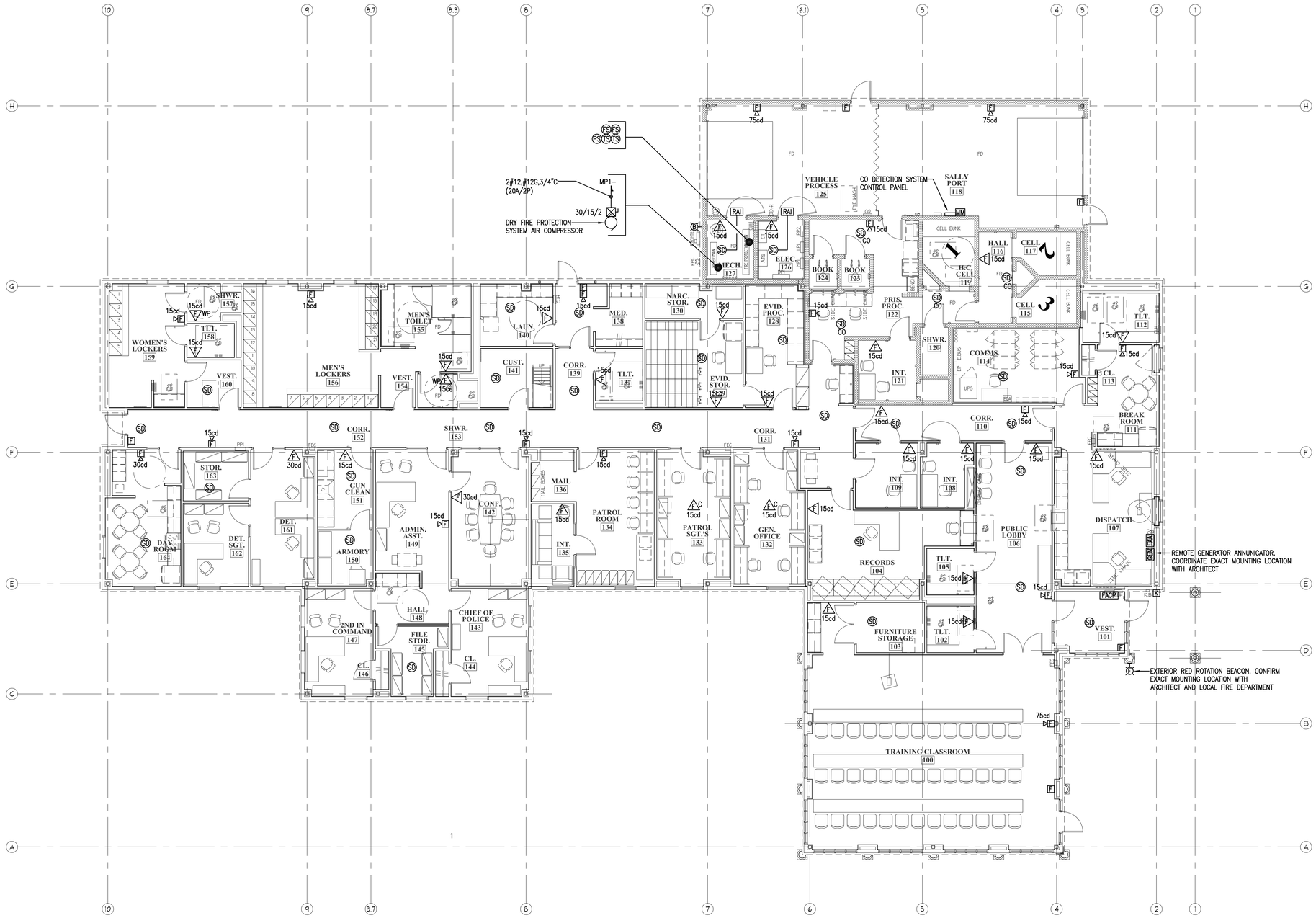
ELECTRICAL FIRE ALARM LEGEND, RISER DIAGRAM AND NOTES

PROJ. NO. JH1830	DRAWING NO. FA-0.0
SCALE As Noted	
DATE OCTOBER 2, 2019	



1 FIRE ALARM FLOOR PLAN
1/8"=1'-0"

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ELECTRICAL FLOOR PLAN - FIRE ALARM

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PROJ. NO.	DRAWING NO.
JH1830	FA-1.0
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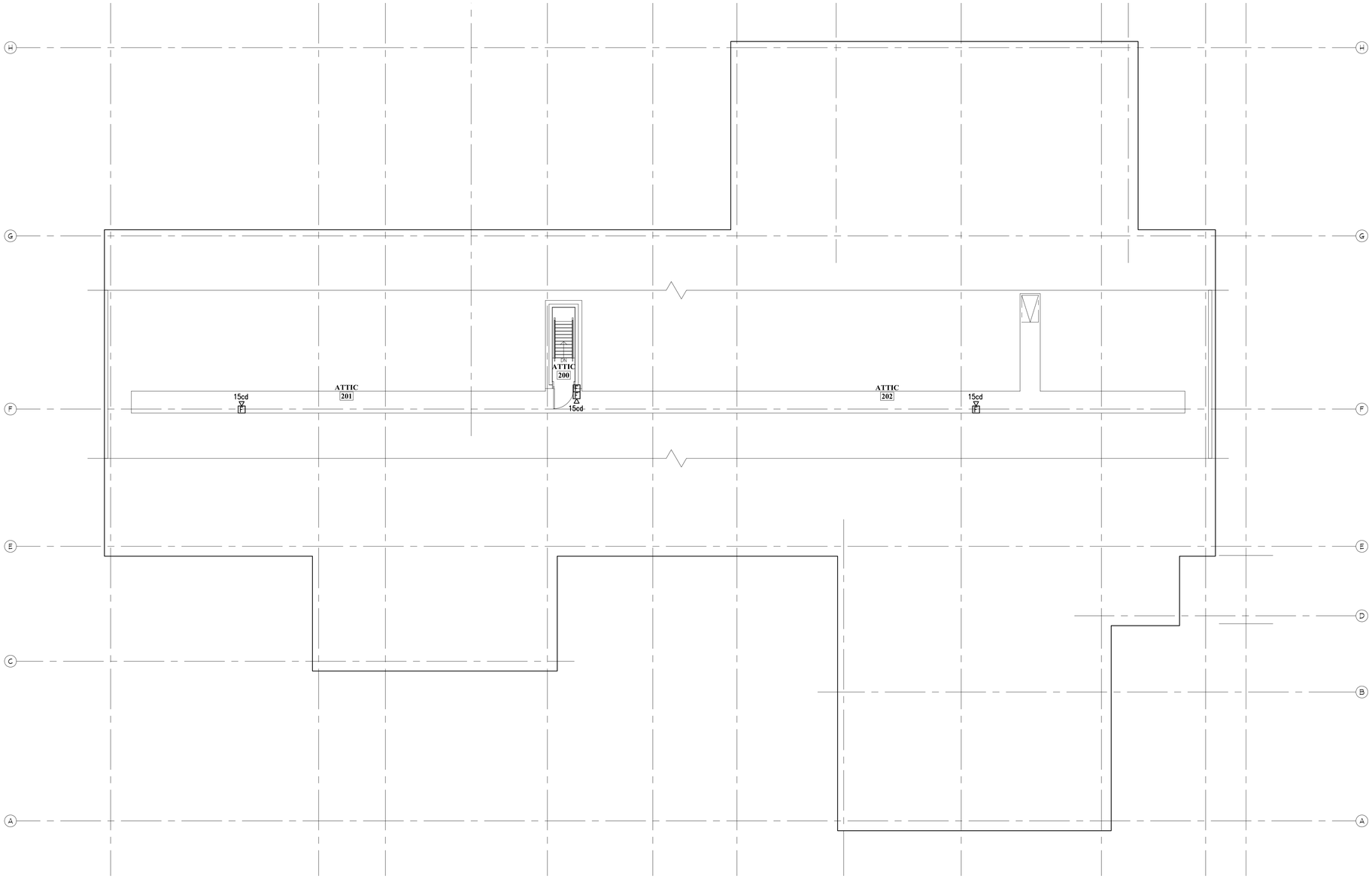

1 MAIN BUILDING ATTIC FIRE ALARM PLAN
1/8"=1'-0"

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MAIN BUILDING ATTIC FIRE ALARM PLAN

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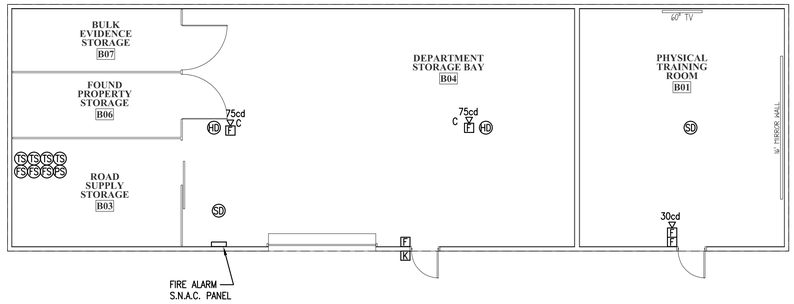
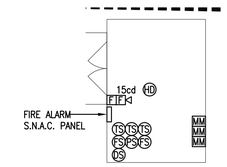


1 FIRE ALARM (OUTBUILDING) PLAN ①
1/8"=1'-0"



2 FIRE ALARM (PUMP HOUSE BUILDING) PLAN
1/8"=1'-0"

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ELECTRICAL (OUTBUILDING) PLAN - FIRE ALARM

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