RIDOT MIDDLETOWN MAINTENANCE FACILITY

122 WYATT ROAD
MIDDLETOWN, RI

ARCHITECTS
SACCOCCIO & ASSOCIATES, INC.
1085 PARK AVENUE CRANSTON, RI 02910

C.A. PRETZER
STRUCTURAL ENGINEERS

CREATIVE ENVIRONMENT CORP.
ELECTRICAL ENGINEERING

NARRAGANSET ENGINEERING
CIVIL ENGINEERS

FINAL DRAWINGS: ISSUED FOR BIDDING

3-6-2020

ABBREVIATIONS

@	At
A/C	Air Conditioning
ACT	Acoustical Tile
AD.	Area Drain
A.F.F.	Above Finish Floor
ALT.	Alternate
ALUM.	Aluminum
A.P.	Access Panel
APPROX.	Approximately
ARCH.	Architect(ural)
BD.	Board
BBD.	Bulletin board
BIT.	Bituminous
BLDG.	Building
BLK.	Block
BLKBD.	Blackboard
BLKNG.	Blocking
BM.	Beam
B.M.	Bench Mark
BOT.	Bottom
BRKT.	Bracket
BSMT.	Basement
BTW.	Between
cl	Center Line
CAB.	Cabinet
C.B.U.	Cinder Block Unit
C.B.	Catch Basin or Chalkboard
CEM.	Cement/Cementitious
CFB	Cement Fiber Board
CFM	Cubic Feet per Minute
C.I.	Caste Iron
C.J.	Control Joint
CLG.	Ceiling
CLOS.	Closet
CMU	Concrete Masonry Unit
C.O.	Clean Out
COL.	Column
COMP.	Composition
CONC.	Concrete
CONST.	Construction
CONT.	Continuous
CONTR.	Contractor
CORR.	Corridor
CPT.	Carpet
CSK.	Countersink
C.T.	Ceramic Tile
CU	Copper
C.W.	Cold Water
D.F.	Drinking Fountain
D.H.	Double Hung
DIA.	Diameter
DIM.	Dimension
DN	Down
D.P.	Dampproofing
DR.	Door
DTL.	Detail
DWG.	Drawing
E	East
EA.	Each
EC	Electrical Cabinet
EJ.	Expansion Joint
EL.	Elevation(Grade)
ELEC.	Electrical
ELEV.	Elevation (Facade)
EML	Expanded Metal Lath
ENCL.	Enclosure
E.P.	Electrical Panelboard
EQ.	Equal
EQP.	Equipment
EWB	Electric White Board
EWC	Electric Water Cooler
EWH	Electric Water Heater
EXC.	Excavated
EXIST.	Existing
EXP.	Exposed
EXT.	Exterior
F.A.	Fire Alarm
FB	Fiber Board
FC	Fire Code
F.C.U.	Fancoil unit
F.D.	Floor Drain
FDN.	Foundation
FEC	Fire Extinguisher Cabinet
FIN.	Finish or Finished
FL.	Floor
FLUOR.	Fluorescent
FOC	Face of Concrete
FOF	Face of Finish
FOM	Face of Masonry
FOS	Face of Stud
FR	Fire Rated
FRCP	Feet or Foot
FT (')	Fiber Reinforced Cement Board
FTG.	Footing
GA.	Gauge
GALV.	Galvanized
G.B.	Gypsum Board
G.C.	General Contractor
GL.	Glass
GRN.	Granite
GWB.	Gypsum Wall Board
GYP.BD.	Gypsum Board
HC	Hose Cabinet
H.M.	Hollow metal
H.P.	Handicapped Person (Handicapped Accessible)
HR.	Hour
H.S.	Hock Strip
HT.	Height
HTR.	Heater
HVAC	Heating, Ventilating, Air Conditioning
H.W.	Hot Water
I.D.	Inside Diameter
IN.(")	Inches or Inch
INCL.	Including or Included
INSUL.	Insulation
INT.	Interior
INV.	Invert
JAN.	Janitor Closet
JT.	Joint
LAM.	Laminated
LAV.	Lavatory
LB.(#)	Pound
L.M.F.	Light Gauge Metal Framing
L.P.	Low Point
LT.WT.	Light Weight
LVR.	Louver
MACH.	Machine
MAS.	Masonry
MAX.	Maximum
MECH.	Mechanical
MEMB.	Membrane
MFR.	Manufacturer
M.H.	Man Hole
MIN.	Minimum
MISC.	Miscellaneous
M.O.	Masonry Opening
M.P.S.	Motorized Projection Screen
M.R.	Moisture Resistant
MTL.	Metal
MWK.	Millwork
N.	North
N.C.	Non-Corrosive
NE	Northeast
NIC	Not In Contract
NO.(#)	Number
NOM.	Nominal
NTS	Not to Scale
NW	Northwest
O.A.	Overall
O.C.	On Center
O.D.	Outside Diameter
OH	Opposite Hand
OPNG.	Opening
OPP.	Opposite
OZ.	Ounce
d	Penny
PCS.	Pieces/Piece
LB.(#)	Pound
PL	Plate
PTN.	Partition
PERIM.	Perimeter
PLLAM.	Plastic Laminate
PLAS.	Plastic/Plaster
PLYWD.	Plywood
PMJF.	PreMolded Joint Filler
POL.	Polished
PR.	Pair
PROJ.SCR.	Projection Screen
PSI	Pound(s) per Square Inch
PT.	Paint
PTD.	Painted
PVC	Poly Vinyl Chloride
QTY.	Quantity
R	Riser
R.A.	Return Air
RAD.	Radius
RB.	Rubber Base
RD.	Roof Drain
REFG.	Refrigerator
REINF.	Reinforced
REQD.	Required
RESIL.	Resilient
RG	Reinforced Gypsum
RM.	Room
RND	Round
R.O.	Rough Opening
ROW	Right of Way
Ⓢ	Sealant
S.	South
S.C.	Solid Core
SCHED.	Schedule
SE	Southeast
SECT.	Section
SF	Square Feet
SHT.	Sheet
SIM.	Similar
SLNT.	Sealant
S.P.	Standpipe
SPECS.	Specifications
SQ.	Square
SS.	Stainless Steel
ST.	Street
STD.	Standard
STL.	Steel
STOR.	Storage
STRUCT.	Structural
SUSP.	Suspended
SW	Southwest
SYM.	Symmetrical
T.	Tread
T&G	Tongue & Groove
T.B.	Tackboard
TEMP.	Temperature/Tempered
THK.	Thickness/Thick
THR.	Threshold
THRU	Through
TLT.	Toilet
TOC	Top of Concrete
TOS.	Top of Steel
TYP.	Typical
U.L.	Underwriters Laboratory
V.	Veneer
VAR.	Varies
V.B.	Vinyl Base
VCT	Vinyl Composition Tile
VERT.	Vertical or Vertically
VEST.	Vestibule
V.I.F.	Verify in Field
VOL.	Volume
V.T.	Vinyl Tile
VTR	Vent through Roof
VWC	Vinyl Wall Covering
W.	West
W/	With
WB	White Board
WCL	Water Cooler
WCL-A	Water Cooler - Accessible
WC	Water Closet
WD.	Wood
WDW	Window
W.H.	Wall Hung
W.I.	Wrought Iron
W/O	Without
WP.	Waterproofing
WPM	Waterproofing Membrane
WT.	Weight
WWG.	Woven Wire Grille
W.W.M.	Welded Wire Mesh

MATERIALS IN SECTION

- EARTH
- CONCRETE
- BRICK
- CONCRETE MASONRY UNITS (CMU)
- RIGID INSULATION
- BLANKET INSULATION
- PLYWOOD
- ROUGH WOOD
- DRYWALL
- METAL (LARGE SCALE)

SYMBOLS

X100	ROOM NUMBER
2 / A2.1	DETAIL REFERENCE
2 / A2.1	WALL SECTION REFERENCE
X / X / X	INTERIOR PARTITION TYPE. SEE WALL TYPE SHEET FOR MORE INFORMATION
1 / A2.1	EXTERIOR ELEVATION REFERENCE
A1.2	INTERIOR ELEVATION REFERENCE
00 / 000	DOOR NUMBER
00	WINDOW NUMBER
00	TRANSLUCENT PANEL NUMBER
00	VISION PANEL SYMBOL NUMBER

GENERAL NOTES

THE CONTRACTOR/S SHALL:

1. UNDERSTAND THAT THE TERM "PROVIDE" AS FOUND THROUGHOUT THESE CONSTRUCTION DOCUMENTS SHALL BE DEFINED AS "FURNISH AND INSTALL".
2. VISIT THE JOB SITE AND FAMILIARIZE HIMSELF COMPLETELY WITH ALL EXISTING CONDITIONS RELATIVE TO THE NEW WORK CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS. NO COMPENSATION FOR EXTRA WORK ON BEHALF OF THE CONTRACTOR WILL BE CONSIDERED THAT WOULD HAVE BEEN DETERMINED BY VISUAL OBSERVATION PRIOR TO BIDDING.
3. UNDERSTAND THAT THE TERM "MATCH EXISTING" AS LISTED ON THESE DRAWINGS SHALL MEAN THAT ALL WORK TO BE PERFORMED MUST BE OF SIMILAR MATERIALS, CONSTRUCTION AND FINISHED TO THE LINES OF ADJACENT WORK IN ALL RESPECTS.
4. BE RESPONSIBLE FOR ALL CUTTING, FILLING, PATCHING AND/OR REPAIRING OF EXISTING WALLS, FLOORS AND CEILINGS AS REQUIRED FOR THE INSTALLATION OF ALL NEW MECHANICAL, ELECTRICAL AND PLUMBING WORK IN THE EXISTING BUILDING. (VERIFY ALL CONDITIONS AT THE SITE).
5. PATCH AND REPAIR ALL WALLS, FLOORS, AND CEILINGS IN ALL AREAS AFFECTED BY DEMOLITION WORK. ALL WORK TO BE PERFORMED MUST BE OF SIMILAR MATERIALS, CONSTRUCTION AND FINISHED TO THE LINES OF ADJACENT WORK IN ALL RESPECTS.
6. SHALL COORDINATE ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK WITH THE ARCHITECTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE NEW WORK IN ALL AREAS.
7. PROVIDE DUST PARTITIONS AS REQUIRED TO KEEP AREAS OUTSIDE OF SCOPE FREE OF DIRT AND DUST. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING ANY AREAS LEFT UNPROTECTED.
8. BE RESPONSIBLE FOR CLEANING THE WORK AREA AT THE END OF EACH WORK DAY. ALL TRASH AND DEBRIS TO BE REMOVED FROM THE BUILDING.
9. BE RESPONSIBLE TO SUBMIT M.E.P. COORDINATION DRAWINGS TO THE ARCHITECT FOR REVIEW OF LOCATIONS OF ALL SYSTEMS TO AVOID CONFLICTS AND COORDINATE LOCATIONS OF ALL DEVICES AND LIGHTING.
10. REPLACE OR REPAIR ANY DISTURBED AREAS IN AND OUTSIDE THE WORK LIMITS AREA.

DRAWING LIST

GENERAL
- AG1.0 DRAWING LIST, NOTES, LEGEND

CIVIL
- C1.1 EXISTING CONDITIONS SITE PLAN
- C1.2 DEMOLITION AND SED EROSION CONTROL PLAN
- C1.3 PROPOSED SITE PLAN
- C1.4 DETAILS AND NOTES
- C1.5 DETAILS AND NOTES

ARCHITECTURAL
- A1.0 EXISTING BUILDING
- A1.1 FLOOR PLAN AND ROOF PLAN
- A2.1 ELEVATIONS
- A3.1 SECTION AND SCHEDULES

STRUCTURAL
- S-1 FOUNDATION PLAN AND NOTES
- S-2 FOUNDATION SECTIONS AND DETAILS

ELECTRICAL
- E1.0 LEGENDS AND NOTES
- ES1.0 ELECTRICAL SITE PLAN
- E1.0 FLOOR PLAN - NEW WORK
- E2.0 SCHEDULES
- E3.0 DETAILS

CODE INFORMATION

CODE LIST:

- International Building Code (2015 Edition) along with the Rhode Island State Building Code SBC 1 - 2013 with Amendments)
- ICC / ANSI A117.1 - 2009 Edition
- The Rhode Island Fire Safety Code January 1, 2015
- International Energy Conservation Code - 2015 with RI Amendments SBC-8: Climate Zone 5

PROJECT DESCRIPTION:

A new 2,380sf (gross footprint) slab-on-grade, 1-story, pre-manufactured metal garage building. The frame will be steel construction and the garage will be un-heated.

EGRESS CAPACITY

1004 Total Building Maximum Occupancy = 14
Occupant capacity required at each door= 14

BUILDING CODE

Chapter 3 - Use and Occupancy:
Occupancy - S1 (Storage) 2,380 sf Garage

Chapter 5 - General building heights and areas (table 503):
max height= 1 stories and 40' actual height= 1 story and 23'-0"
max area without modifications = 9,000sf actual area= 2,380sf

Chapter 6 - Type of Construction:
Table 601 - Type 5B (unsprinklered)
Structural Frame = 0 hr
Exterior Bearing Walls = 0 hr
Interior Bearing Walls = 0 hr
Nonbearing exterior walls and partitions = 0 hr
Nonbearing interior walls and partitions = 0 hr
Floor Construction = 0 hr
Roof Construction = 0 hr

Chapter 10 - Means of Egress:
1014.3 Common Path of Egress Travel - 75'
1016.1 Exit Access Travel Distance - 200'

ENERGY CONSERVATION

Building Envelope Requirements: Opaque Assemblies (table 502.2)

Item	Code	Our Building
Unheated Slab on Grade	R-3 thermal break @ wall to floor joint. R15 for 24"	R-3 thermal break @ wall to floor joint R-10 for 24"

Building Envelope Requirements: Fenestrations (table 502.3)

Item	Code	Our Building
Typical Windows		
U-Factor	.55	less than .30
SHGC	.4	less than .32
Entrance Doors		
U-Factor	.80	.17

FINAL DRAWINGS: ISSUED FOR BIDDING

3-6-2020

architects

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CONSULTANT

RIDOT MIDDLETOWN MAINTENANCE FACILITY

122 WYATT ROAD
MIDDLETOWN, RHODE ISLAND

NOTES:

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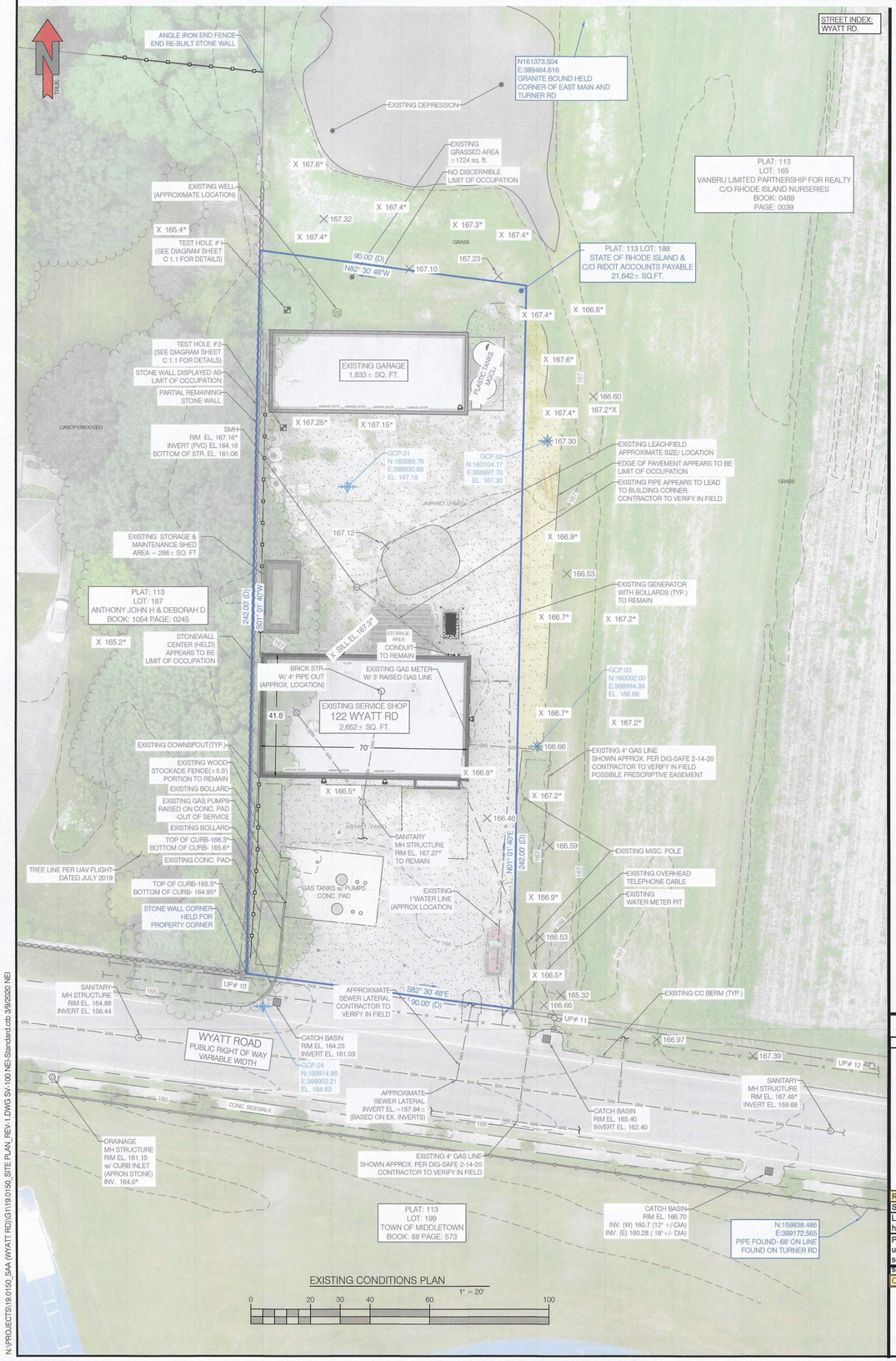
SHEET TITLE

REVISIONS

DRAWN:	DATE: MARCH 6, 2020
CHK BY: SHG	JOB NO: 19057

AG1.0

SHEET OF



N:\PROJECTS\19.0150_SAA (WYATT RD)\G\19.0150_SITE PLAN_REV-1.DWG SV-100 NEI-Standard.ctb 3/9/2020 NEI

112 WYATT RD.

EXISTING LOT COVERAGE

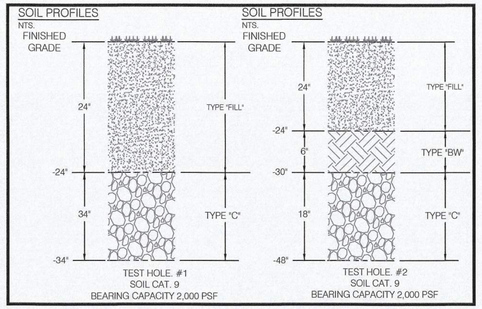
NO	ITEM	AREA (+/-)	UNITS
1	TOTAL LOT AREA	21,642	sq.ft.
2			
3	EX. SERVICE SHOP	2,902	sq.ft.
4	EX. GARAGE (TO BE REMOVED)	1,833	sq.ft.
5	EX. SHED (TO BE REMOVED)	298	sq.ft.
6			
7	TOTAL LOT COVERAGE	5,033	sq.ft.
			MAX= 20%
8	TOTAL LOT COVERAGE	23.3%	PER ZONING

MEANDER NOTE:
STONE WALLS MEANDER, PROPERTY LIMITS DISPLAYED ARE THE BEST FIT BASED ON RECORDED PLANS AND DEEDS. THE ACTUAL CENTERLINE OF THE STONE WALLS ARE THE PROPERTY LIMITS UNLESS NOTED OTHERWISE; LINEWORK IS NOT A COMPLETELY PRECISE LIMIT IN CASES WHERE WALLS MEANDER FROM THE CENTERLINE.

BENCHMARK NOTE:
NEI WILL ALWAYS PROVIDE A MINIMUM OF TWO SITE BENCHMARKS. CONTRACTOR TO VERIFY ALL BENCHMARKS EXIST PRIOR TO CONSTRUCTION. ELEVATIONS OF ALL BENCHMARKS TO BE SHOT IN FIELD (WITH SUITABLE EQUIPMENT) AND DIFFERENTIAL TO BE VERIFIED, IF VERTICAL DIFFERENTIAL EXCEEDS 0.05' IT SHALL BE IMMEDIATELY REPORTED TO NEI. DIFFERENTIAL IN EXCESS OF 0.05' INDICATES THAT BENCHMARKS MAY HAVE BEEN DISTURBED AND ARE NOT SUITABLE FOR USE.

UNMANNED AERIAL VEHICLE (UAV) NOTES:
1. THIS PLAN IS BASED ON A PRIVATE UAV FLIGHT PROVIDED BY NARRAGANSETT ENGINEERING INC. AND OTHER REFERENCE MATERIAL AS LISTED HERECON. THE UAV FLIGHT TOOK PLACE ON JULY 19th, 2019 ; RMS ERROR OF GROUND CONTROL POINTS (COMPUTED) : .048' . IMAGES WERE TAKEN AT 150ft. ABOVE GROUND LEVEL, PIXEL SIZE IS 0.08" EXPECTED VERTICAL TOLERANCE (RMS ERROR, Z: .09')
2. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS. COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
3. ELEVATIONS WERE COMPUTED FROM A PRIVATE UAV FLIGHT USING PHOTOGRAMMETRY SOFTWARE AND TESTED AGAINST FOUR GROUND CONTROL POINTS WITH AN AVERAGE VERTICAL ACCURACY OF .08 ft. THERE MAY BE ANOMALIES IN THE DATA AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
4. ORTHOGRAPHY PHOTO DEVELOPED BY DATA AND PICTURES COLLECTED BY THE UAV TO ACCURATELY INTERPOLATE AND DEPICT THE SITE.
5. UAV FLOWN BY FAA CERTIFIED PILOT AND WAS PROPERLY INSURED DURING FLIGHT.

SITE NOTES:
1. ZONING INFORMATION SHOW FROM RECORD INFORMATION, MAPS AND / OR GIS. ZONING DATA MAY VARY BASED ON USE, LOT SIZE, ORIENTATION AND OTHER FACTORS AND IS SHOWN FOR REFERENCE INFORMATION ONLY.
2. ZONING DATA MUST BE CONFIRMED WITH ZONING OFFICIAL AND / OR LEGAL COUNSEL FOR USE IN DESIGN OR PERMITTING.
3. COORDINATE SYSTEM IS RI3800 / NAVD 88.
4. TOPOGRAPHY IS MIX OF ON GROUND SHOTS, RECORD DATA AND UAV DATA
5. ALL PROPOSED ITEMS MUST BE LAID OUT BY REGISTERED SURVEYOR AS NOTED.
6. PLAN IS NOT AS-BUILT UTILITY PLAN.
7. SITE LOCATED IN ZONE X- AREA OF MINIMAL FLOOD HAZARD PER FEMA NFHL
8. ELEVATIONS WITH * PER UAV DATA
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT OF PROBATE SEARCH, AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
10. LOCATION OF SUBSURFACE MAINS, SURFACE FEATURES, AND LATERALS ARE OMITTED. CONTRACTOR TO CALL DIG SAFE AND/OR APPLICABLE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. DIG SAFE TEL. #:1-800-344-7233 (1-800-DIG-SAFE).
A. WATER - SURFACE FEATURES , SUBSURFACE PER PLAN REF. 6
B. SANITARY - PER AS-BUILT PLAN NOTED + SURFACE/ SUBSURFACE FEATURES SHOWN.
C. GAS -SURFACE FEATURES SHOWN, SUBSURFACE PER DIG SAFE
D. ELECTRIC - SURFACE FEATURES AND OVERHEAD ONLY
E. STORM DRAIN - SURFACE FEATURES, INVERT ONLY. SUBSURFACE PER PLAN REF. 6
11. ANY SUBSURFACE UTILITIES DISPLAYED TYPICALLY HAS A TOLERANCE OF ±2' IN EACH DIRECTION
12. MUNICIPAL SETBACKS MAY BE EXEMPT FROM SITE BASED OFF OPINION FROM SOLICITOR
13. NO WETLAND DELINEATION PREFORMED AS PART OF PLAN



CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JULY 1st 25 , 2019, AS FOLLOWS:
METES AND BOUNDS CLASS I
DATA ACCUMULATION SURVEY III FEATURE LOCATION SURVEY,
PHYSICAL SITE FEATURES. NAVD '88 / RI 3800 STATE PLANE
TOPOGRAPHIC SURVEY: T-2
STATEMENT OF PURPOSE: THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:

EXISTING CONDITIONS, PROPERTY LINE AND TOPOGRAPHIC SURVEY FOR USE IN PLANNING AND DESIGN OF SITE, BUILDING, AND ACCESSORY ELEMENT CONFIGURATION

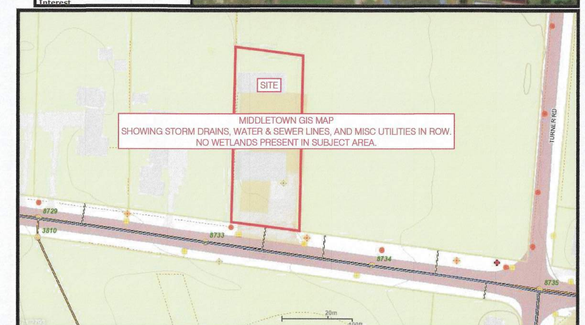
NEAL HINGORANY REG. 2515

COA: A38

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties (RI600)

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties (RI600)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NeA	Newport silt loam, 0 to 3 percent slopes	0.8	2.0%
NeB	Newport silt loam, 3 to 8 percent slopes	11.3	28.1%
PmA	Pittstown silt loam, 0 to 3 percent slopes	19.0	47.3%
PmB	Pittstown silt loam, 3 to 8 percent slopes	0.0	0.0%
Se	Stissing silt loam	0.8	2.0%
UD	Udorthents-Urban land complex	7.4	18.4%
Ur	Urban land	0.9	2.2%
Totals for Area of Interest		40.1	100.0%



PLAN & DEED RESEARCH

CLIENT SAA — SHEET 1 OF 1
PROJECT # 19.0150 — MIDDLETOWN RHODE ISLAND 02842 — 7/26/2019 — AJP

No.	PLAT	LOT	BOOK	PAGE	OWNER OF RECORD / PLAN TITLE	PLAN	DEED	OTHER	DATE FILED
1	113	188			STATE OF RHODE ISLAND				
					PROVIDENCE RI				
					REQUEST TO STATE RECORDS				
					NO DEED ON FILE AT TOWN HALL				
2		187	1054	245	ANTHONY JOHN H & DEBORAH D		X		
					106 WYATT RD, MIDDLETOWN, RI 02842				
3		165	489	39	VANBRU LIMITED PARTNERSHIP FOR REALTY		X		
					C/O RHODE ISLAND NURSERIES				
4		199	88	573	TOWN OF MIDDLETOWN		X		
					1113 AQUIDNECK AVE, MIDDLETOWN RI 02842				
5	113	188	11	14	"MAP OF RHODE ISLAND NURSERIES" MIDDLETOWN RHODE ISLAND. PREPARED BY HAROLD ST. JOHN. SCALE 1"=100'	X			MARCH, 1954
6	113	188			"SANITARY SEWER CONSTRUCTION". TOWN OF MIDDLETOWN, RHODE ISLAND. WYATT ROAD EAST MAIN ROAD TO BERKELEY AVE. PREPARED BY NARRAGANSETT ENGINEERING INC. SCALE. 1"=40'	X			10/10/1989

ZONING DISTRICT DIMENSIONAL REGULATIONS

Zoning District and Use	Minimum Lot Size		Maximum Percentage of Lot to be Occupied	Maximum Height of Building		Minimum Yard Dimension			Accessory Buildings Minimum Distance in Feet to	
	Area (S.F.)	Width/ Frontage (Ft.)	Principal and Accessory Buildings	Principal (Ft.)	Accessory (Ft.)	Front (Ft.)	Side (Ft.)	Rear (Ft.)	Side Lot Lines	Rear Lot Lines
R30 Residence District										
Single-family dwelling	30,000	130	20%	35	20	40	20	50	20	15
Livestock farm or animal husbandry services	100,000	250	10%	35	25	50	30	60	30	15
Private college or university, preparatory school, elementary of secondary school	5 acres	300	20%	40	40	60	40	60	40	60
Other permitted uses	30,000	130	20%	35	20	40	20	50	20	15

LEGEND

BRUSH LINE (APPROXIMATE)
DIMENSION - EXISTING
DIMENSION - PLAN / DEED
DIMENSION - PROPOSED
DIMENSION - SURVEY
EDGE OF PAVEMENT - EXISTING
EDGE OF PAVEMENT - PROPOSED
ELECTRIC - OVERHEAD (OHE)
ELECTRIC - TELEPHONE - CABLE (ETC)
ELECTRIC - UNDERGROUND (UGE)
FENCE - METAL
FENCE - WOOD
FLOW ARROWS
GAS (G)
GRADE CONTOUR - EXISTING
GRADE CONTOUR - PROPOSED
HIGH VISIBILITY FENCE (HVF)
LIMIT OF DISTURBANCE (LOD)
LOD / SED
PROPERTY LINE - ABUTTING
PROPERTY LINE - EXISTING
PROPERTY LINE - PROPOSED
SANITARY SEWER (S)
SEDIMENT CONTROL (SED)
SETBACKS
STONE WALL
STORM DRAIN (SD)
SUBDIVISION LINE - EXISTING
WATER
WETLAND LIMIT
CATCH BASIN
DRILL HOLE
ELECTRIC BOX (ETC)
FIRE HYDRANT
GATE VALVE
GRANITE BOUND, EXISTING
LOW WATER LINE
LIMIT OF DISTURBANCE MARKER
MANHOLE (MH-TYPE)
REBAR / STEEL PIPE FOUND
SPIKE
SPOT GRADE - EXISTING
SPOT GRADE - PROPOSED
STRUCTURE, EXISTING
STRUCTURE, PROPOSED
SURVEY MONUMENT TO BE SET
SURVEY MARKER TO BE SET
SOIL EVALUATION
TREE
UTILITY POLE
WATER SHUT OFF
WETLAND FLAG LOCATION

FINAL DRAWINGS ISSUED FOR BID- MARCH 6, 2020

NEAL K. HINGORANY No. 2515 PROFESSIONAL LAND SURVEYOR 03.09.20

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122 WYATT ROAD
MIDDLETOWN, RHODE ISLAND

RI dot

NOTES:

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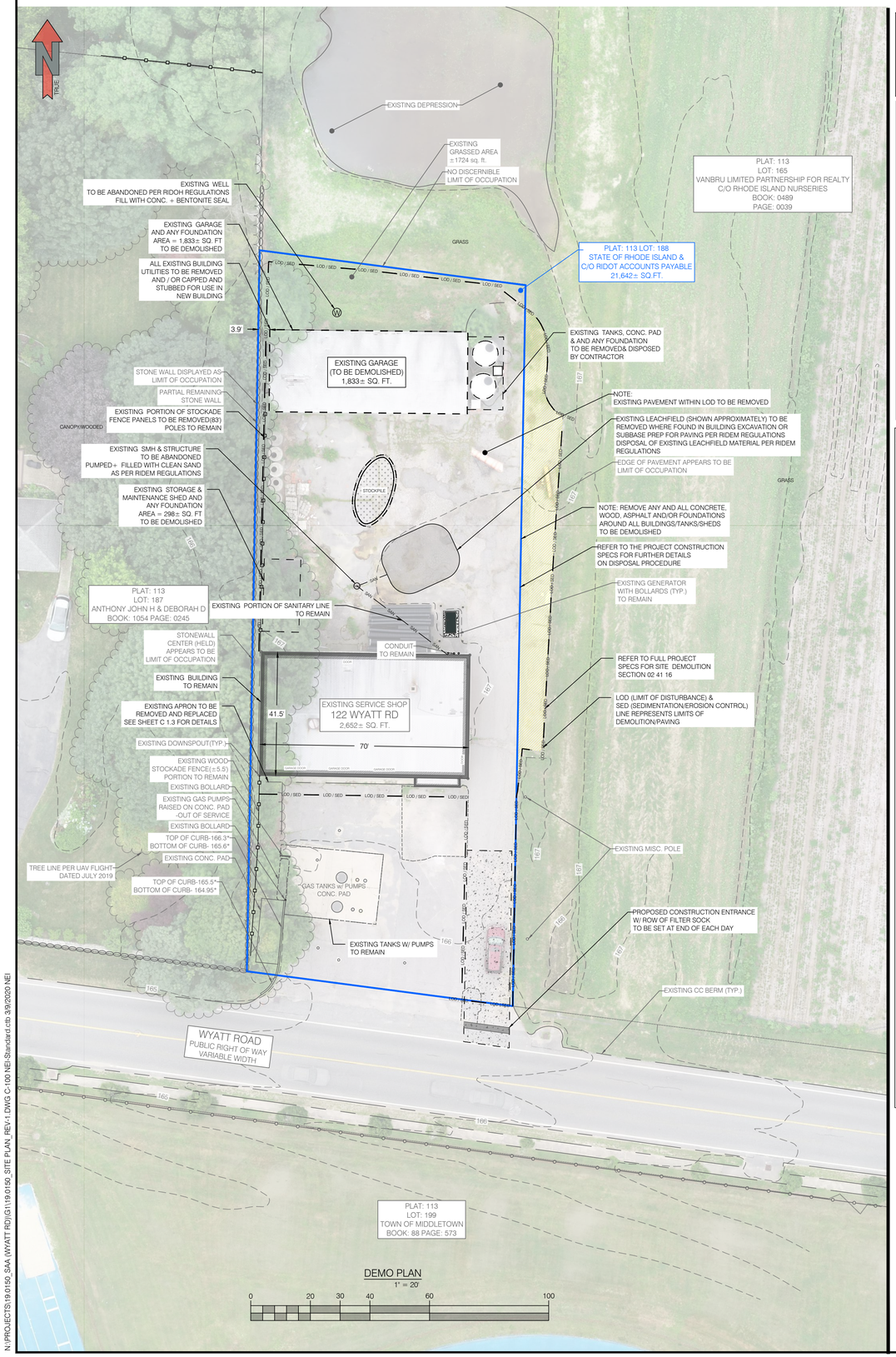
SHEET TITLE
EXISTING CONDITIONS PLAN

REVISIONS

DRAWN: LD	DATE: MARCH.6, 2020
CHK BY: EC	JOB NO: 19057

C 1.1

SHEET OF



N:\PROJECTS\19-0150_SAA (WYATT RD)\G1\19-0150_SITE PLAN_REV-1.DWG C-100 NEI Standard.ctb 3/9/2020 NEI

BENCHMARK NOTE:
NEI WILL ALWAYS PROVIDE A MINIMUM OF TWO SITE BENCHMARKS. CONTRACTOR TO VERIFY ALL BENCHMARKS EXIST PRIOR TO CONSTRUCTION. ELEVATIONS OF ALL BENCHMARKS TO BE SHOT IN FIELD (WITH SUITABLE EQUIPMENT) AND DIFFERENTIAL TO BE VERIFIED, IF VERTICAL DIFFERENTIAL EXCEEDS 0.05' IT SHALL BE IMMEDIATELY REPORTED TO NEI. DIFFERENTIAL IN EXCESS OF 0.05' INDICATES THAT BENCHMARKS MAY HAVE BEEN DISTURBED AND ARE NOT SUITABLE FOR USE.

SITE NOTES:
1. ZONING INFORMATION SHOW FROM RECORD INFORMATION, MAPS AND / OR GIS. ZONING DATA MAY VARY BASED ON USE, LOT SIZE, ORIENTATION AND OTHER FACTORS AND IS SHOWN FOR REFERENCE INFORMATION ONLY.
2. ZONING DATA MUST BE CONFIRMED WITH ZONING OFFICIAL AND / OR LEGAL COUNSEL FOR USE IN DESIGN OR PERMITTING.
3. COORDINATE SYSTEM IS RI3800 / NAVD 88.
4. TOPOGRAPHY IS MIX OF ON GROUND SHOTS, RECORD DATA AND UAV DATA
5. ALL PROPOSED ITEMS MUST BE LAID OUT BY REGISTERED SURVEYOR AS NOTED.
6. PLAN IS NOT AS-BUILT UTILITY PLAN.
7. SITE LOCATED IN ZONE X- AREA OF MINIMAL FLOOD HAZARD PER FEMA NFHL
8. ELEVATIONS WITH * PER UAV DATA
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT OF PROBATE SEARCH, AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
10. LOCATION OF SUBSURFACE MAINS, SURFACE FEATURES, AND LATERALS ARE OMITTED. CONTRACTOR TO CALL DIG SAFE AND/OR APPLICABLE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. DIG SAFE TEL.#:1-800-344-7233 (1-800-DIG-SAFE).
    A. WATER - SURFACE FEATURES , SUBSURFACE PER PLAN REF. 6
    B. SANITARY - PER AS-BUILT PLAN NOTED + SURFACE/ SUBSURFACE FEATURES SHOWN.
    C. GAS -SURFACE FEATURES SHOWN, SUBSURFACE PER DIG SAFE
    D. ELECTRIC - SURFACE FEATURES AND OVERHEAD ONLY
    E. STORM DRAIN - SURFACE FEATURES, INVERT ONLY. SUBSURFACE PER PLAN REF. 6
11. ANY SUBSURFACE UTILITIES DISPLAYED TYPICALLY HAS A TOLERANCE OF ±2' IN EACH DIRECTION
12. MUNICIPAL SETBACKS MAY BE EXEMPT FROM SITE BASED OFF OPINION FROM SOLICITOR
13. NO WETLAND DELINEATION PREFORMED AS PART OF PLAN

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL SHALL BE IN ACCORDANCE WITH RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ONCE WEEKLY OR AFTER EVERY RAINFALL EVENT GREATER THAN 0.25 INCHES.
4. SEDIMENT BUILD UP GREATER THAN ONE-HALF THE BARRIER HEIGHT SHALL BE REMOVED AND DISPOSED OF PROPERLY AS REQUIRED. ANY SEDIMENT BUILD UP OUTSIDE OF THE SEDIMENT BARRIER SHALL BE REMOVED IMMEDIATELY
5. CONTRACTOR SHALL MAINTAIN A RESERVE OF EROSION CONTROL MATERIALS FOR EMERGENCY USE AND ROUTINE MAINTENANCE
6. THE CONTROLS SHOWN ON THESE PLANS ARE INTENDED AS MINIMUM MEASURES. ADDITIONAL MEASURES MAY BE REQUIRED AND SHALL BE IMPLEMENTED BY THE CONTRACTOR IF WARRANTED OR REQUESTED BY THE OWNER, OWNERS REPRESENTATIVE, ENGINEER, OR ANY APPLICABLE REGULATING AGENCY.
7. PRIOR TO THE START OF ANY LAND CLEARING / GRUBING OR OTHER CONSTRUCTION ACTIVITY THE PERIMETER CONTROLS SHALL BE PLACED, PROPERLY CONSTRUCTED AND CLEARLY VISIBLE. THESE CONTROLS SHALL REPRESENT THE LIMITS OF WORK AND WORKERS SHALL BE NOTIFIED THAT NO CONSTRUCTION ACTIVITY IS ALLOWED BEYOND THESE CONTROLS
8. IF OR AS POSSIBLE CONSTRUCTION SHALL BE PHASED TO LIMIT TO THE MAXIMUM EXTENT PRACTICABLE THE AMOUNT OF EXPOSED SOILS. ALL DISTURBED AREAS SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 14 DAYS OF COMPLETION OF GRADING ACTIVITIES
9. THE CONTRACTOR SHALL SCHEDULE WORK IN A WAY TO ALLOW POSITIVE DRAINAGE OF SUBGRADE THROUGHOUT CONSTRUCTION
10. CONSTRUCTION ENTRANCES PER RIDOT STANDARD DETAIL 9.9.0 SHALL BE EMPLOYED AT ALL POINTS OF INGRESS AND EGRESS FROM THE SITE
11. TEMPORARY DIVERSIONS, SEDIMENT BASINS, AND TEMPORARY SWALES MAY BE USED AND SHALL BE SIZED ACCORDING TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK
12. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED PER RIDOT STANDARD DETAIL 9.8.0 IN GRASSED AREAS OR SEDIMENT BAGS IN PAVED AREAS
13. TEMPORARY SEDIMENT STOCK PILES SHALL BE KEPT MOIST AND COVERED AT ALL TIMES. CALCIUM CHLORIDE SHALL ONLY BE USED IF AN APPROVAL FROM THE TOWN/CITY OR OTHER APPLICABLE AGENCY HAS BEEN GRANTED
14. DEWATERING FROM EXCAVATIONS WILL BE CONVEYED BY HOSE TO AN UPLAND AREAS AND DISCHARGED INTO A DEWATERING BASIN PER RIDOT STANDARD 9.7.0, HAYBALE CORRALS, OR SEDIMENTATION BAGS. THE CONTRACTOR SHALL ENSURE THAT NO CONTAMINATE IS PRESENT IN ANY WATERS PRIOR TO DISCHARGE FROM SITE AND IS RESPONSIBLE FOR ALL ENGINEERING, EQUIPMENT, MATERIAL AND LABOR REQUIRED FOR THE SITE WATER REMOVAL DURING CONSTRUCTION
15. CONSTRUCTION WASTE MATERIALS SHALL BE KEPT ON-SITE AND DISPOSED OF IN AN APPROVED AND APPROPRIATE MANNER IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.
16. RIPRAP SHALL BE USED WHERE NECESSARY TO CONTROL EXIT VELOCITIES
17. NON MOBILE (I.E. TRACKED MACHINERY) SHALL BE MAINTAINED WITHIN THE LIMIT OF DISTURBANCE DEFINED BY SEDIMENT BARRIER
18. NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE ESTABLISHMENT OF APPROPRIATE VEGETATION
19. THE CONTRACTOR SHALL NOT REMOVE ANY EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL FINAL ACCEPTANCE OF THE SITE HAS OCCURRED
20. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO THE FINAL SITE ACCEPTANCE

NOTE:
THE USE OF HAY IS NOT ALLOWED. ALL REFERENCES TO HAY, SHALL BE TAKEN TO MEAN STRAW.

LEGEND

BRUSH LINE (APPROXIMATE)	CATCH BASIN
100.00' DIMENSION - EXISTING	DRILL HOLE
100.00' (D) DIMENSION - PLAN / DEED	ELECTRIC BOX (ETC)
100.00' DIMENSION - PROPOSED	FIRE HYDRANT
100.00' (S) DIMENSION - SURVEY	GATE VALVE
EDGE OF PAVEMENT - EXISTING	GRANITE BOUND, EXISTING
EDGE OF PAVEMENT - PROPOSED	LOW WATER LINE
ELECTRIC - OVERHEAD (OHE)	LIMIT OF DISTURBANCE MARKER
ETC ELECTRIC - TELEPHONE - CABLE (ETC)	MANHOLE (MH:TYPE)
UGE ELECTRIC - UNDERGROUND (UGE)	REBAR / STEEL PIPE FOUND
FENCE - METAL	SPIKE
FENCE - WOOD	X 5.10 SPOT GRADE - EXISTING
FLOW ARROWS	X 6.6 SPOT GRADE - PROPOSED
GAS GAS (G)	STRUCTURE, EXISTING
100.00 GRADE CONTOUR - EXISTING	STRUCTURE, PROPOSED
100.00 GRADE CONTOUR - PROPOSED	SURVEY MONUMENT TO BE SET
HVF HIGH VISIBILITY FENCE (HVF)	SURVEY MARKER TO BE SET
LOD LIMIT OF DISTURBANCE (LOD)	SE # SOIL EVALUATION
LOD / SED	TREE
PROPERTY LINE - ABUTTING	UTILITY POLE
E PROPERTY LINE - EXISTING	WSO WATER SHUT OFF
E PROPERTY LINE - PROPOSED	WETLAND FLAG LOCATION
SAN SANITARY SEWER (S)	
SED SEDIMENT CONTROL (SED)	
SETBACKS	
STONE WALL	
SD STORM DRAIN (SD)	
SUBDIVISION LINE - EXISTING	
W WATER	
WETLAND LIMIT	

FINAL DRAWINGS ISSUED FOR BID- MARCH 6, 2020

KAMAL HINGORANY
REGISTERED PROFESSIONAL ENGINEER

architects

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RIDOT
MIDDLETOWN
MAINTENANCE
FACILITY

122 WYATT ROAD
MIDDLETOWN, RHODE ISLAND

RI dot

NOTES:

CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JULY TH 25 , 2019, AS FOLLOWS:

DATA ACCUMULATION SURVEY III FEATURE LOCATION SURVEY, PHYSICAL SITE FEATURES. NAVD '88 / RI 3800 STATE PLANE
TOPOGRAPHIC SURVEY: T-2

STATEMENT OF PURPOSE: THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:

DEMOLITION AND SEDIMENTATION AND EROSION CONTROL PLAN FOR PROPOSED DEMOLITION OF EXISTING STRUCTURES

NOTE:
- ALL SITE UTILITIES TO BE VERIFIED, LOCATED AND PROTECTED IN FIELD BY CONTRACTOR
- NO PARKING REQUIRED
- NO ZONING REQUIREMENTS

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SHEET TITLE
DEMOLITION &
SED. EROSION CONTROL PLAN

REVISIONS

DRAWN: LD	DATE: MARCH.6, 2020
CHK BY: EC	JOB NO: 19057

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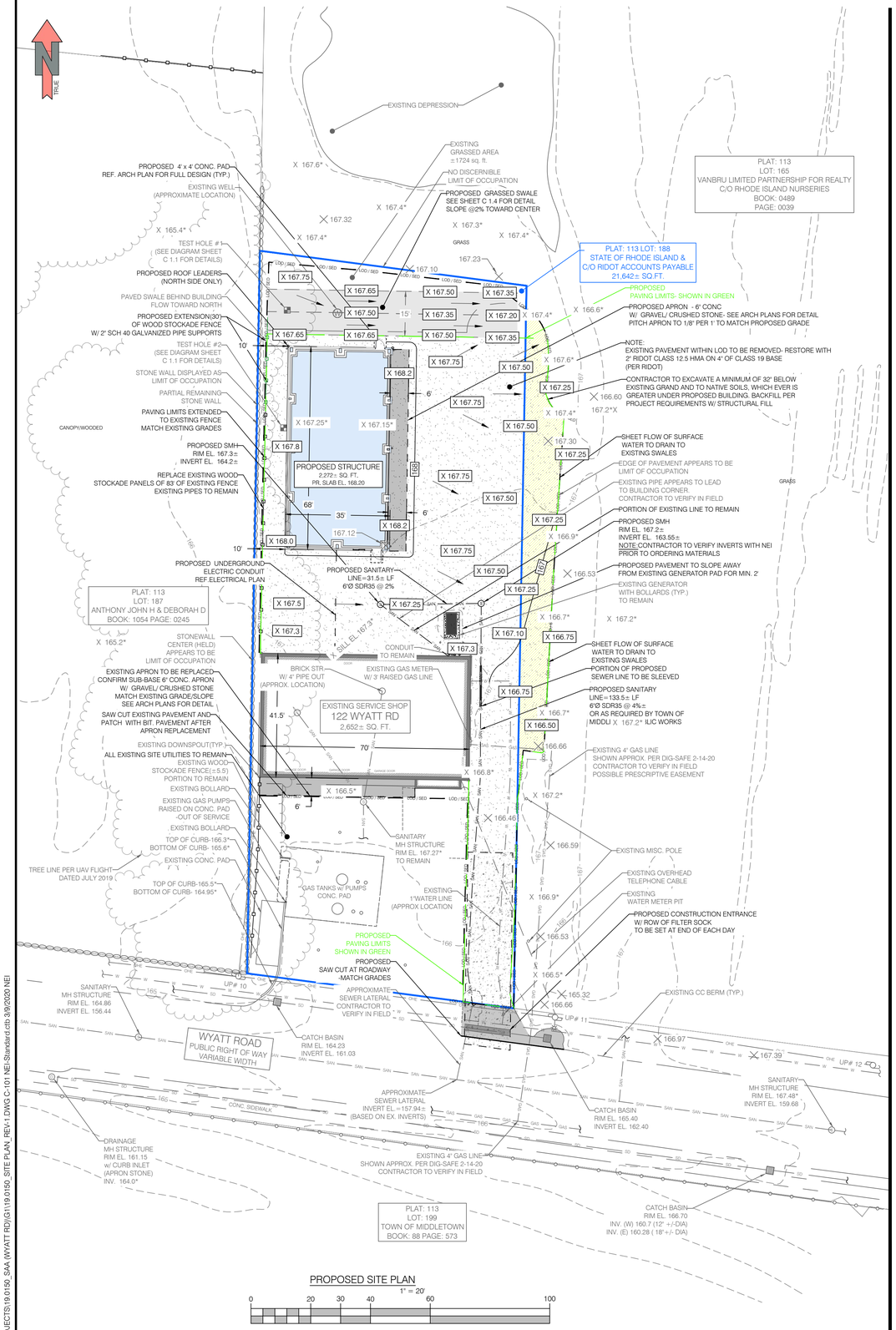

N:\PROJECTS\19.0150_SAA (WYATT RD)\G\19.0150_SITE PLAN_REV-1.DWG C-101 NEI-Standard.ctb 3/9/2020 NEI

BENCHMARK NOTE:
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SITE NOTES:
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8. ELEVATIONS WITH * PER UAV DATA
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A. WATER - SURFACE FEATURES , SUBSURFACE PER PLAN REF. 6
B. SANITARY - PER AS-BUILT PLAN NOTED + SURFACE/ SUBSURFACE FEATURES SHOWN.
C. GAS -SURFACE FEATURES SHOWN, SUBSURFACE PER DIG SAFE
D. ELECTRIC - SURFACE FEATURES AND OVERHEAD ONLY
E. STORM DRAIN - SURFACE FEATURES, INVERT ONLY. SUBSURFACE PER PLAN REF. 6
11. ANY SUBSURFACE UTILITIES DISPLAYED TYPICALLY HAS A TOLERANCE OF ±2' IN EACH DIRECTION
12. MUNICIPAL SETBACKS MAY BE EXEMPT FROM SITE BASED OFF OPINION FROM SOLICITOR
13. NO WETLAND DELINEATION PREFORMED AS PART OF PLAN

GRADING AND UTILITIES NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED WORK SHOWN ON THESE PLANS DO NOT CONFLICT WITH ANY EXISTING CONDITIONS OR OTHER PROPOSED WORK. IF CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH WORK, THE LOCATION, ELEVATION, SIZE AND MATERIAL SHALL BE ACCURATELY DETERMINED BY THE CONTRACTOR IMMEDIATELY AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL NOT CONTINUE WORK ON AFFECTED UTILITIES UNTIL THE CONFLICT IS RESOLVED
3. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINE AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS
4. AT ALL LOCATIONS WHERE EXITING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS
5. ALL UTILITY COVERS, GRATES, AND THE LIKE SHALL BE BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH. RIM ELEVATIONS ARE APPROXIMATE AND FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH GRADING
6. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANY, AS REQUIRED.
7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADING. ANY DAMAGE RESULTING TO THESE FACILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE
8. ALL WATER WORKS SHALL HAVE 5 FEET OF COVER
9. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY UTILITY COMPANY
10. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATION AT NO COST TO THE OWNER
11. PITCH EVENLY BETWEEN ALL SPOT GRADES.
12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY, ROCKS, DEBRIS, ORGANICS, OR THE LIKE UNCOVERED IN THE COURSE OF WORK
13. CONTRACTOR ALLOWED TO ADJUST SEWER LATERAL SLOPE FROM PROPOSED MH#2 SUCH AS TO RUN SLOPE AT $\frac{1}{4}$" PER 1' FROM PROPOSED MH#2 TO SUCH POINT TO PITCH LATERAL AT $\frac{1}{4}$" PER 1" THEN RESTORE LATERAL SLOPE TO $\frac{1}{4}$" PER 1" SLOPE FOR FINAL CONNECTION OF GRAVITY.

GENERAL NOTES:

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION OR LATEST REVISION. THE 2004 EDITION OF THE STANDARD SPECIFICATION MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
2. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO APPLY FOR AND OBTAIN ANY AND ALL NECESSARY PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH ARCHITECT OR ENGINEER AS NECESSARY
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE JOB SITE. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ANY EXPOSED EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.
4. IN THE CASE THAT ANY DEVIATION / ALTERATION / OR IMPROVEMENT FROM THE APPROVED PLANS IS NECESSARY THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER AND OWNER PRIOR TO OCCURRENCE OF DEVIATION
5. ALL WORK SHALL BE LIMITED TO THE AREAS WITHIN THE LIMIT OF DISTURBANCE DISPLAYED ON THESE PLANS OR PROPERTY LINE IF LIMIT OF DISTURBANCE IS UNCLEAR. ANY AREA DISTURBED OUTSIDE OF THE LIMIT OF DISTURBANCE SHALL BE REPAIRED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER OR ENGINEER, AND PREFORMED TO THE ENGINEERS SATISFACTION
6. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATION SHOWN ON THESE PLANS AND/OR ACCOMPANYING SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF ANY CONFLICTS WITH EXISTING CONDITIONS OR PROPOSED CONDITIONS EXIST. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED
7. EXCAVATED ROCK SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE OWNER. SUITABLE ROCK MAY BE UTILIZED IN FILL AREAS WITH WRITTEN PERMISSION OF THE OWNERS REPRESENTATIVES
8. DEBRIS, ORGANICS AND OTHER UNSUITABLE MATERIALS UNCOVERED DURING THE COURSE OF SITE EXCAVATION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY
9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES THAT SERVICE THE SITE AND NEIGHBORING AREAS. IF ANY DAMAGE OCCURS TO EXISTING UTILITIES IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PAY ALL COSTS ASSOCIATED WITH REPAIR OF UTILITIES AS DIRECTED BY THE ENGINEER, UTILITY OWNER, OR GOVERNING AGENCY
10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE-OFF IN COMPUTING ANY ESTIMATES
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
12. THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR. "DIG SAFE" SHALL BE CONTACTED BY THE CONTRACTOR AS PART OF THIS VERIFICATION
13. NO EXCAVATION SHALL PROCEED UNTIL UTILITY COMPANIES ARE NOTIFIED IN ADVANCE
14. ALL TREE PROTECTION BY OTHERS UNLESS OTHERWISE NOTED
15. CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS WITH APPROPRIATE SEED MIXTURES
16. ALL POST CONSTRUCTION CORRECTIVE WORK,WARRANTY,REPAIRS OR MAINTENANCE PROVISIONS SHALL BE NOTED IN CONTRACT DOCUMENTS BETWEEN CLIENT & CONTRACTOR(S). NO PROVISIONS ARE MADE IN PLANS UNLESS NOTED.

112 WYATT RD.

EXISTING IMPERVIOUS COVERAGE *(EXCLUDES ENCROACHMENT AREA)*				PROPOSED IMPERVIOUS COVERAGE *(EXCLUDES ENCROACHMENT AREA)*			
NO	ITEM	AREA (+/-)	UNITS	ITEM	AREA (+/-)	UNITS	NOTES
1	TOTAL LOT AREA	21,642	sq.ft.	TOTAL LOT AREA	21,642	sq.ft.	
2							
3	EX. PAVED AREAS	18,982	sq.ft.	PR. PAVED AREAS	18,686	sq.ft.	296 sq. ft. LESS THAN EXISTING
4	EX. GRASSED/ PERVIOUS AREAS	2,660	sq.ft.	PR. GRASSED AREAS	2,660	sq.ft.	
5				EX. IMP TO PERVIOUS SURFACE	296	sq.ft.	
6	TOTAL IMP. COVERAGE	18,982	sq.ft.				
7	TOTAL IMP. COVERAGE	87.7%		TOTAL IMP. COVERAGE	18,686	sq.ft.	
8				TOTAL IMP. COVERAGE	86.3%		
9							
10	*NOTE DIFFERENCE IN AREA TOTALS MAY BE DUE TO ROUDING						

112 WYATT RD.

EXISTING LOT COVERAGE				PROPOSED LOT COVERAGE		
NO	ITEM	AREA (+/-)	UNITS	ITEM	AREA (+/-)	UNITS
1	TOTAL LOT AREA	21,642	sq.ft.	TOTAL LOT AREA	21,642	sq.ft.
2						
3	EX. SERVICE SHOP	2,902	sq.ft.	EX. SERVICE SHOP	2,902	sq.ft.
4	EX. GARAGE (TO BE REMOVED)	1,833	sq.ft.	PR. GARAGE	2,272	sq.ft.
5	EX. SHED (TO BE REMOVED)	298	sq.ft.			
6						
7	TOTAL LOT COVERAGE	5,033	sq.ft.	TOTAL LOT COVERAGE	5,174	sq.ft.
			MAX= 20%			MAX= 20%
8	TOTAL LOT COVERAGE	23.3%	PER ZONING	TOTAL LOT COVERAGE	23.9%	PER ZONING

LEGEND

	BRUSH LINE (APPROXIMATE)		CATCH BASIN
100.00'	DIMENSION - EXISTING		DRILL HOLE
100.00' (D)	DIMENSION - PLAN / DEED		ELECTRIC BOX (ETC)
100.00'	DIMENSION - PROPOSED		FIRE HYDRANT
100.00' (S)	DIMENSION - SURVEY		GATE VALVE
	EDGE OF PAVEMENT - EXISTING		GRANITE BOUND, EXISTING
	EDGE OF PAVEMENT - PROPOSED		LOW WATER LINE
ETC	ELECTRIC - OVERHEAD (OHE)		LIMIT OF DISTURBANCE MARKER
UGE	ELECTRIC - TELEPHONE - CABLE (ETC)		MANHOLE (MH:TYPE)
	ELECTRIC - UNDERGROUND (UGE)		REBAR / STEEL PIPE FOUND
	FENCE - METAL		SPIKE
	FENCE - WOOD	X 5.10	SPOT GRADE - EXISTING
	FLOW ARROWS	X 6.6	SPOT GRADE - PROPOSED
GAS	GAS (G)		STRUCTURE, EXISTING
100.00	GRADE CONTOUR - EXISTING		STRUCTURE, PROPOSED
100.00	GRADE CONTOUR - PROPOSED		
HVF	HIGH VISIBILITY FENCE (HVF)		SURVEY MONUMENT TO BE SET
LOD	LIMIT OF DISTURBANCE (LOD)		SURVEY MARKER TO BE SET
	LOD / SED	SE #	SOIL EVALUATION
	PROPERTY LINE - ABUTTING		TREE
℄	PROPERTY LINE - EXISTING		UTILITY POLE
℄	PROPERTY LINE - PROPOSED	MSO	WATER SHUT OFF
SAN	SANITARY SEWER (S)		WETLAND FLAG LOCATION
SED	SEDIMENT CONTROL (SED)		
	SETBACKS		
	STONE WALL		
SD	STORM DRAIN (SD)		
	SUBDIVISION LINE - EXISTING		
W	WATER		
	WETLAND LIMIT		

FINAL DRAWINGS ISSUED FOR BID- MARCH 6, 2020

KAMAL HINGORANY
REGISTERED PROFESSIONAL ENGINEER

S/A architects

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1085 Park Avenue tel 401. 942. 7970
Cranston, R.I. 02910 fax 401. 942. 7975
CONSULTANT

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Tel. 401.683.6630

RIDOT MIDDLETOWN MAINTENANCE FACILITY
122 WYATT ROAD
MIDDLETOWN, RHODE ISLAND

RI dot

NOTES:

CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JULY TH 25 , 2019, AS FOLLOWS:

DATA ACCUMULATION SURVEY III FEATURE LOCATION SURVEY, PHYSICAL SITE FEATURES. NAVD '88 / RI 3800 STATE PLANE
TOPOGRAPHIC SURVEY: T-2

STATEMENT OF PURPOSE: THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:

TO CREATE A PROPOSED SITE PLAN TO DISPLAY PROPOSED BUILDINGS AND UTILITY FEATURES

NOTE:
- SITE IS NOT IN RI DEM/ TOWN OF MIDDLETOWN JURISDICTION
- ALL SITE UTILITIES TO BE VERIFIED, LOCATED AND PROTECTED IN FIELD BY CONTRACTOR
- NO PARKING REQUIRED
- NO ZONING REQUIREMENTS
- PROPERTY IS STATE OWNED

REFERENCE: ELECTRICAL PLAN PREPARED BY CREATIVE ENVIRONMENT CORP. REGARDING PROPOSED ELECTRIC. DATED JANUARY 6, 2020

ARCHITECTURAL PLANS PREPARED BY SACCOCCIO & ASSOCIATES INC. DATED. 2-25-20

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SHEET TITLE
PROPOSED SITE PLAN

REVISIONS

DRAWN: LD	DATE: MARCH.6, 2020
CHK BY: EC	JOB NO: 19057

C 1.3

SHEET OF

GENERAL NOTES:

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION OR LATEST REVISION. THE 2004 EDITION OF THE STANDARD SPECIFICATION MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.

2. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO APPLY FOR AND OBTAIN ANY AND ALL NECESSARY PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH ARCHITECT OR ENGINEER AS NECESSARY

3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE JOB SITE. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ANY EXPOSED EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.

4. IN THE CASE THAT ANY DEVIATION / ALTERATION / OR IMPROVEMENT FROM THE APPROVED PLANS IS NECESSARY THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER AND OWNER PRIOR TO OCCURRENCE OF DEVIATION

5. ALL WORK SHALL BE LIMITED TO THE AREAS WITHIN THE LIMIT OF DISTURBANCE DISPLAYED ON THESE PLANS OR PROPERTY LINE IF LIMIT OF DISTURBANCE IS UNCLEAR. ANY AREA DISTURBED OUTSIDE OF THE LIMIT OF DISTURBANCE SHALL BE REPAIRED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER OR ENGINEER, AND PREFORMED TO THE ENGINEERS SATISFACTION

6. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATION SHOWN ON THESE PLANS AND/OR ACCOMPANYING SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF ANY CONFLICTS WITH EXISTING CONDITIONS OR PROPOSED CONDITIONS EXIST. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED

7. EXCAVATED ROCK SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE OWNER. SUITABLE ROCK MAY BE UTILIZED IN FILL AREAS WITH WRITTEN PERMISSION OF THE OWNERS REPRESENTATIVES

8. DEBRIS, ORGANICS AND OTHER UNSUITABLE MATERIALS UNCOVERED DURING THE COURSE OF SITE EXCAVATION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY

9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES THAT SERVICE THE SITE AND NEIGHBORING AREAS. IF ANY DAMAGE OCCURS TO EXISTING UTILITIES IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PAY ALL COSTS ASSOCIATED WITH REPAIR OF UTILITIES AS DIRECTED BY THE ENGINEER, UTILITY OWNER, OR GOVERNING AGENCY

10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE-OFF IN COMPUTING ANY ESTIMATES

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.

12. THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR. "DIG SAFE" SHALL BE CONTACTED BY THE CONTRACTOR AS PART OF THIS VERIFICATION

13. NO EXCAVATION SHALL PROCEED UNTIL UTILITY COMPANIES ARE NOTIFIED IN ADVANCE

14. ALL TREE PROTECTION BY OTHERS UNLESS OTHERWISE NOTED

15. CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS WITH APPROPRIATE SEED MIXTURES

GRADING AND UTILITIES NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED WORK SHOWN ON THESE PLANS DO NOT CONFLICT WITH ANY EXISTING CONDITIONS OR OTHER PROPOSED WORK. IF CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL

2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH WORK, THE LOCATION, ELEVATION, SIZE AND MATERIAL SHALL BE ACCURATELY DETERMINED BY THE CONTRACTOR IMMEDIATELY AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL NOT CONTINUE WORK ON AFFECTED UTILITIES UNTIL THE CONFLICT IS RESOLVED

3. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINE AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS

4. AT ALL LOCATIONS WHERE EXITING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS

5. ALL UTILITY COVERS, GRATES, AND THE LIKE SHALL BE BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH. RIM ELEVATIONS ARE APPROXIMATE AND FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH GRADING

6. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANY, AS REQUIRED.

7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADING. ANY DAMAGE RESULTING TO THESE FACILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE

8. ALL WATER WORKS SHALL HAVE 5 FEET OF COVER

9. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY UTILITY COMPANY

10. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATION AT NO COST TO THE OWNER

11. PITCH EVENLY BETWEEN ALL SPOT GRADES.

12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY, ROCKS, DEBRIS, ORGANICS, OR THE LIKE UNCOVERED IN THE COURSE OF WORK

13. CONTRACTOR ALLOWED TO ADJUST SEWER LATERAL SLOPE FROM PROPOSED MH#2 SUCH AS TO RUN SLOPE AT $\frac{1}{4}$" PER 1' FROM PROPOSED MH#2 TO SUCH POINT TO PITCH LATERAL AT $\frac{1}{8}$" PER 1" THEN RESTORE LATERAL SLOPE TO $\frac{1}{4}$" PER 1' SLOPE FOR FINAL CONNECTION OF GRAVITY.

LOAM AND SEED:

GENERAL:
1. ALL DISTURBED AREAS TO BE LOAMED AND SEEDED PER "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" AS AMENDED OR REVISED
2. FOR NON-NATIVE PLANTING SEEDING DATES ARE APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH SEPTEMBER 30, DATE MAY BE EXTENDED 15 DAYS IN NEWPORT COUNTY
3. FOR NATIVE PLANING SEEDING DATES ARE BETWEEN AUGUST AND SEPTEMBER

SEED BED PREPARATION:
1. LOOSEN SOIL TO A DEPTH OF FIVE INCHES BY RAKING, DISCING, DRAGGING OR TRAVERSING WITH TRACKED MACHINERY, OVER COMPACTION SHALL BE AVOIDED CLEAT MARKS SHALL BE PERPENDICULAR TO ANTICIPATED DIRECTION OF SURFACE WATER FLOW
2. APPLY TOPSOIL IF NECESSARY
3. APPLY SLOW RELEASE FERTILIZER NOT TO EXCEED 1500 LBS PER ACRE OR 36 LBS PER 1,000 SF USING THE FOLLOWING PERCENTAGES BY WEIGHT
- 10% AVAILABLE NITROGEN (N)
- 20% AVAILABLE PHOSPHORIC ACID (P)
- 20% AVAILABLE POTASSIUM (K)

4. REMOVE FROM SURFACE ALL STONES LARGER THAN 2" IN DIAMETER, ALL DEBRIS, TREE ROOTS OR OTHER UNSUITABLE MATERIAL
5. INSPECT AREA TO BE SEEDED IMMEDIATELY PRIOR TO SEEDING FOR ANY COMPACTED AREAS, IF COMPACTED AREAS EXIST SCARIFY PRIOR TO COMMENCING SEEDING

SEEDING:
1. APPLY SELECTED SEED AT RATES PROVIDED UNIFORMLY MY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER
2. NORMAL SEEDING DEPTH IS .25 TO .5 INCH. HYDROSEEDINGS MAY BE LEFT ON THE SOIL SURFACE
3. WHERE FEASIBLE, EXCEPT WHERE EITHER CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, FIRM THE SEEDBED FOLLOWING SEEDING OPERATION WITH ROLLER, OR LIGHT DRAG.
4. SEEDING RATES SHALL BE INCREASED BY 10% WHEN USING HYDROSEEDING
5. USE OF STRAW MULCH HELD WITH ADHESIVE MATERIALS OR 500 LBS PER ACRE OF WOOD FIBER MULCH IS RECOMMENDED FOR PROTECTION FROM SOIL EROSION.
6. IF SEEDING CAN NOT BE COMPLETED WITHIN SEEDING DATES USE MULCHING TO PROTECT SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

RECOMMENDED SEEDING:
SEED MIXTURE NO. 1
- KENTUCKY BLUE GRASS 22.5 LBS/AC 0.5 LBS/1000 SF
- CREEPING RED FESCUE 105 LBS/AC 2.5 LBS/1000 SF
- PERENNIAL RYEGRASS 22.5 LBS/AC 0.5 LBS/1000 SF

NOTES: WHERE CONFUSION OR UNCERTAINTY EXISTS IN LOAMING AND SEEDING CONSULT THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" AS AMENDED OR REVISED, ENGINEER, LANDSCAPE ARCHITECT

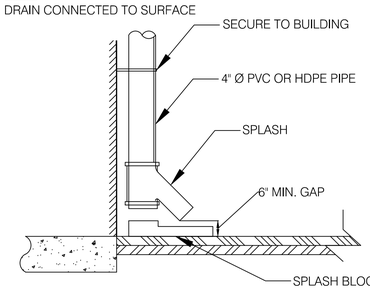
STANDARD GRADATIONS TABLE F-7 RIDEM

US STANDARD SIEVE SIZE	PERCENT PASSING (%)			
	CHOKER COURSE (AASHTO NO. 57)	FILTER COURSE (AASHTO NO M-6)	RESERVOIR COURSE (AASHTO NO. 3)	RESERVOIR COURSE (AASHTO NO. 5)
6 INCHES 150 MM	-	-	-	-
2½ INCHES 63 MM	-	-	100	-
2 INCHES 50 MM	-	-	90 - 100	-
1½ INCHES 37.5 MM	100	-	35 - 70	100
1 INCH 25 MM	95 - 100	-	0 - 15	90 - 100
¾ INCH 19 MM	-	-	-	20 - 55
½ INCH 12.5 MM	25 - 60	-	0 - 5	0 - 10
⅜ INCH 9.5 MM	-	100	-	0 - 5
#4 4.75 MM	0 - 10	70 - 100	-	-
#8 2.36 MM	0 - 5	-	-	-
#200 0.075 MM	-	0 - 6**	-	-
% COMPACTION ASTM D698 / AASHTO T99	95	95	95	95

TYPICAL ROOF DRAINS:

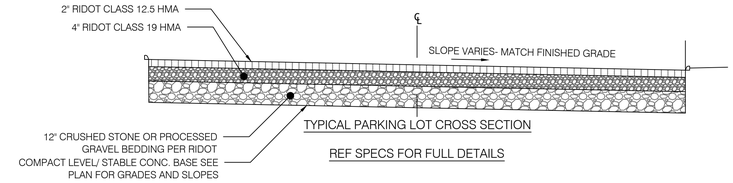
N.T.S.

DRAIN CONNECTED TO SURFACE



NOTE: GRADE AWAY FROM BUILDING AT 1% FOR A MINIMUM OF 10'

NOTE: 1.ALL MATERIALS SHALL MEET R.I.D.O.T. STANDARDS

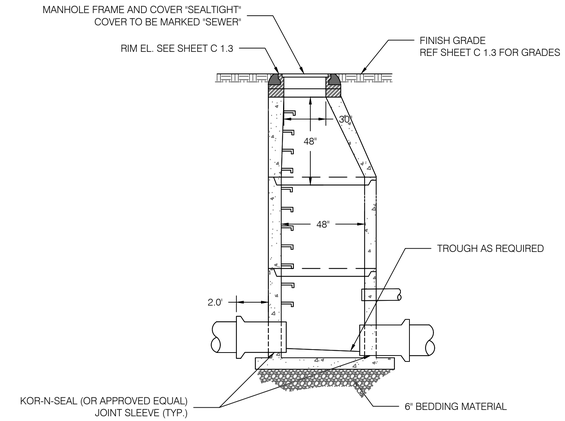


TYPICAL PARKING LOT CROSS SECTION

REF SPECS FOR FULL DETAILS

SANITARY MANHOLE:SCHEMATIC

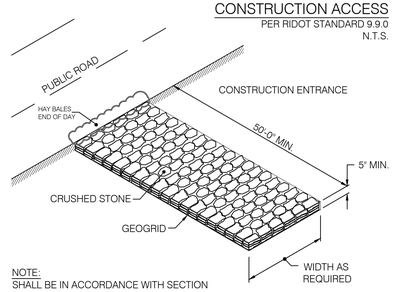
MAINTAIN MANHOLE AS REQUIRED



NOTES:
1. ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT
2. STRUCTURE SHALL BE PLACED ON A LEVEL STABLE SUBBASE FREE FROM ORGANICS, DEBRIS, AND FROZEN MATERIALS

CONSTRUCTION ACCESS

PER RIDOT STANDARD 9.9.0
N.T.S.



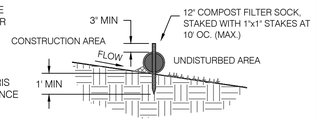
NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARDS SPECIFICATION

COMPOST FILTER SOCK DETAIL

REF. SECTION 206.03.4 OF RIDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION)
N.T.S.

A. INSTALLATION. COMPOST FILTER SOCKS SHALL BE CONSTRUCTED AT THE LOCATIONS, AND IN ACCORDANCE WITH THE DETAILS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE FOLLOWING STIPULATIONS ALSO APPLY:
1. COMPOST FILTER SOCKS MAY BE EITHER FABRICATED ON SITE OR DELIVERED TO THE SITE.
2. COMPOST MEDIA SHALL CONFORM TO AASHTO MP 9-06 AND RIDOT SECTION 206
3. TRENCHING IS NOT REQUIRED. COMPOST FILTER SOCKS SHALL BE PLACED OVER THE TOP OF GROUND, WOODEN STAKES SHALL BE DRIVEN THROUGH THE CENTER OF THE FILTER SOCKS TO ANCHOR THEM TO THE GROUND. TO ENSURE OPTIMUM PERFORMANCE, HEAVY VEGETATION SHALL BE CUT DOWN OR REMOVED, AND EXTREMELY UNEVEN SURFACES SHALL BE GRADED TO ENSURE THAT THE COMPOST FILTER SOCK UNIFORMLY CONTACTS THE GROUND SURFACE.
4. FILTER SOCKS SHALL BE PLACED IN A CONTINUOUS LINE. WHERE ENDS INTERSECT THEY SHALL BE SLEEVED TO CREATE AN INTERLOCK WITH A TWO (2) FOOT OVERLAP. AFTER ONE SECTION IS FILLED AND THE ENDS TIED OFF, THE NEXT SECTION SHALL BE PULLED OVER THE TIED OFF END OF THE PREVIOUS SECTION, TO CREATE A 2 FOOT OVERLAP. THE OVERLAP SHALL BE STAKED. THE INTERSECTING OVERLAPS SHALL BE CONSTRUCTED TO ENSURE THAT STORMWATER DOES NOT BREAK THROUGH AT THESE INTERSECTION POINTS.

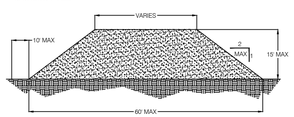
B. REMOVAL. THIS WORK, IF REQUIRED, SHALL INCLUDE THE REMOVAL OF THE COMPOST FILTER SOCK AND STAKES. UNLESS BIODEGRADABLE, THE MESH FILTER SOCK MATERIAL SHALL BE CUT OPEN AND THE MESH REMOVED. IN GENERAL, THE COMPOST FILTER MATERIAL MAY BE LEFT IN PLACE, HOWEVER THE MATERIAL WILL BE RAKED OUT LEVELED TO SURROUNDING GRADES, THEN SEEDED. PRIOR TO SUCH REMOVAL, HOWEVER, ALL SILT, MUD AND DEBRIS ENTRAPPED OUTSIDE OF THE COMPOST FILTER SOCK SHALL BE REMOVED AND THE AREA CLEANED UP IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 212 OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

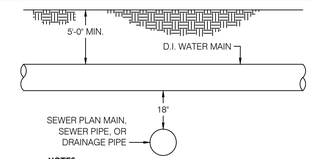


TEMPORARY SEDIMENT STOCKPILE

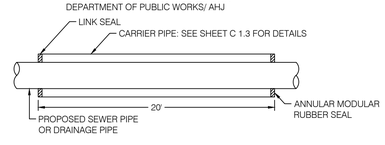
N.T.S.

NOTES:
1. PRIOR TO CONSTRUCTION CONTRACTOR SHALL PREPARE PLAN INDICATING LOCATIONS OF SEDIMENT STOCKPILES FOR APPROVAL BY THE ENGINEER OR APPROPRIATE REGULATORY AUTHORITY
2. STOCKPILE SHALL NOT EXCEED GIVEN DIMENSIONS WITH OUT APPROVAL BY ENGINEER OR APPROPRIATE REGULATORY AUTHORITY
3. STOCKPILED MATERIAL NOT TO BE USED WITHIN 14 CALENDAR DAYS SHALL BE PLANTED WITH TEMPORARY SEED MIX RIDOT STD M.18.10.5 SEED MIX





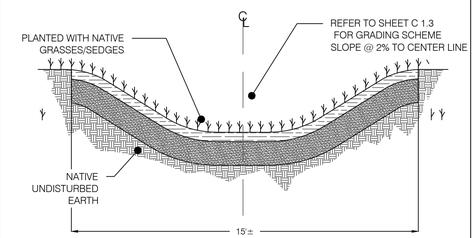
NOTES:
1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 18 INCHES.
2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE MINIMUM OF 10 FEET.
3. IF 1 OR 2 CANNOT BE MAINTAINED THE PROPOSED UTILITY SHALL BE INSTALLED WITHIN A CARRIER PIPE UPON WRITTEN APPROVAL BY NEWPORT UTILITIES.
4. SEWER MAIN AND SERVICES ARE NOT ALLOWED TO CROSS OVER THE TOP OF WATER MAIN.
5. CONCRETE ENCASEMENT IS NOT ALLOWED.
6. IF SEPARATION DISTANCES ARE NOT MAINTAINED THEN SLEEVEING OF THE SANITARY LATERAL IS REQUIRED PER TOWN OF MIDDLETOWN DEPARTMENT OF PUBLIC WORKS/ AHJ



UTILITY SEPARATION
NOT TO SCALE

CONVEYANCE SWALE

N.T.S.



PLANTING NOTES:

1. ROTO-TILL SOIL - GRAVEL OR AMEND SOIL INTERFACE WITH NATIVE SOIL MINIMUM OF 6"
2. IF SPECIFIED NO GRAVEL OR UNDER DRAIN SHALL NOT BE PLACED UNDER DRIVEWAYS
3. CARE SHALL BE TAKEN TO MINIMIZE COMPACTION OF SWALE DURING CONSTRUCTION, WHEN POSSIBLE THE CONTRACTOR SHALL USE EXCAVATION HOES TO REMOVE ORIGINAL SOIL. IF AREA IS EXCAVATED USING A LOADER, THE CONTRACTOR SHALL USE WIDE TRACK OR MARSH TRACK EQUIPMENT, OR LIGHT EQUIPMENT WITH TURF TYPE TIRES
4. ACCEPTABLE GRASS MIXTURES INCLUDE: KENTUCKY BLUE GRASS (*POA PRATENSIS*), SMOOTH BROME (*BROMUS INERMIS*), BUFFALO GRASS (*BUCHLOE DACTYLOIDES*), TALL FESCUE (*FESTUCA ARUNDINACEA*), CREEPING BENTGRASS (*AGROSTIS PALUSTRIS*), REDTOP (*AGROSTIS ALBA*), AND RED FESCUE (*FESTUCA RUBRA*) FROM TABLE B-2 SECTION B.6 RIDISM
5. MULCH SHALL BE FINELY SHREDDED, WALL-AGED ORGANIC HARDWOOD MULCH
6. MULCH SHALL BE FREE OF FINES AND OTHER DEBRIS
7. MULCH MUST BE AGED 6 -12 MONTHS
8. AMENDED SOIL SHALL BE A $^{50}/_{50}$ MIX OF NATIVE SOILS AND PEAT
9. PEAT SHALL CONSIST OF MATERIAL WITH ASH CONTENT LESS THAN 15%, pH RANGE OF 5.2 TO 4.8 AND LOOSE BULK DENSITY OF 0.12 TO 0.15 G/CC THE MATERIAL SHALL BE REED-SEDGE HEMIC PEAT, SHREDDED, UNCOMPACTED, UNIFORM, AND CLEAN

FINAL DRAWINGS ISSUED FOR BID- MARCH 6, 2020

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SHEET TITLE
DETAILS

REVISIONS

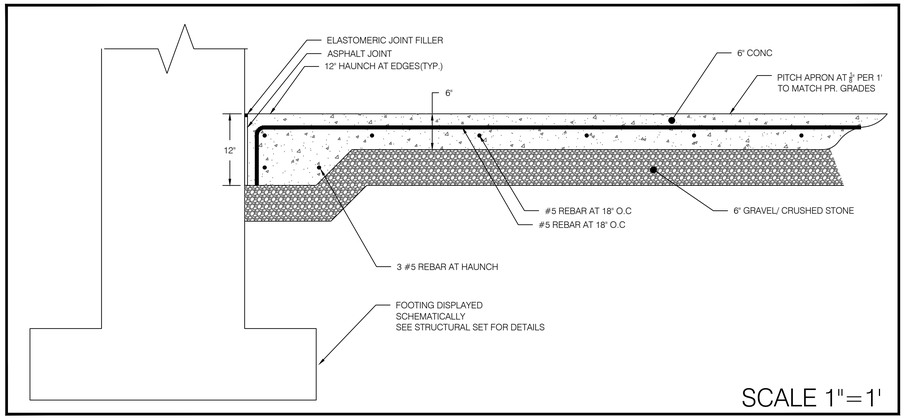
DRAWN:	DATE: MARCH.6, 2020
CHK BY:	JOB NO: 19057

C 1.4

SHEET OF

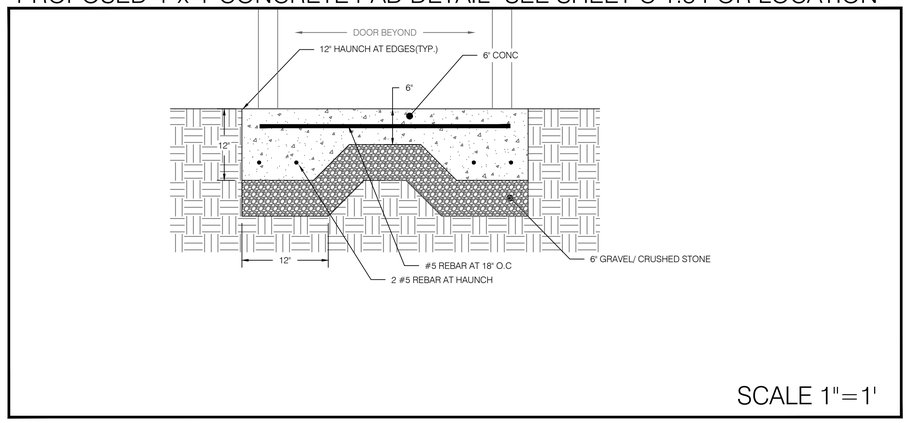
N:\PROJECTS\19.0150_SAA (WYATT RD)\G\19.0150_SITE PLAN_REV-1.DWG C-102 NEI-Standard.ctb 3/9/2020 NEI

PROPOSED APRON 6" DETAIL



SCALE 1"=1'

PROPOSED 4' x 4' CONCRETE PAD DETAIL- SEE SHEET C 1.3 FOR LOCATION



SCALE 1"=1'

FINAL DRAWINGS ISSUED FOR BID- MARCH 6, 2020

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03.06.20

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SHEET TITLE
DETAILS

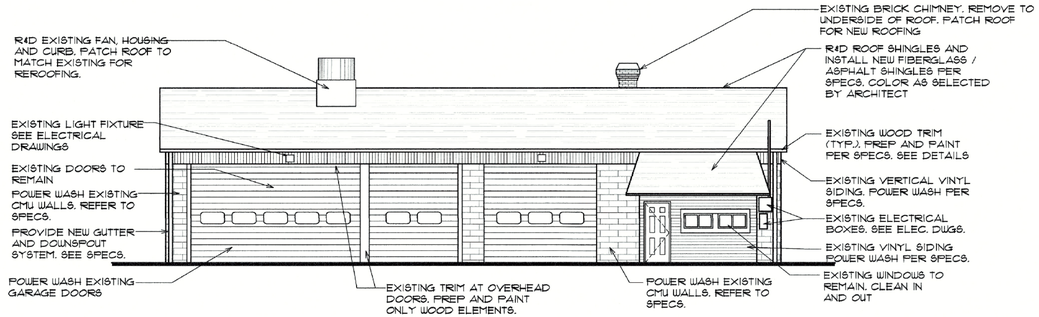
REVISIONS

DRAWN:	DATE: MARCH.6, 2020
CHK BY: SHG	JOB NO: 19057

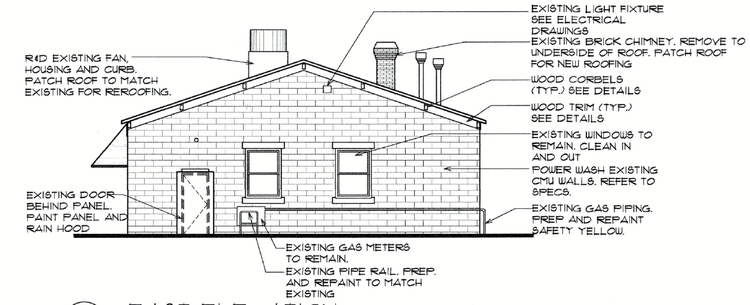
C 1.5

SHEET OF

N:\PROJECTS\19.0150_SAA (WYATT RD)\G1\19.0150_SITE PLAN_REV-1.DWG C-103 NEI-Standard.ctb 3/9/2020 NEI



A / A1.0 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



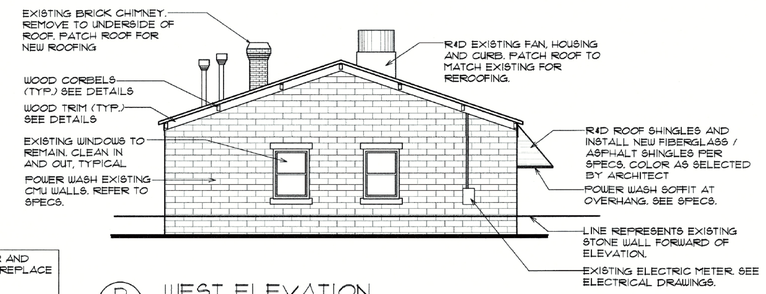
B / A1.0 EAST ELEVATION
SCALE: 1/8"=1'-0"

C / A1.0 NORTH ELEVATION
SCALE: 1/8"=1'-0"

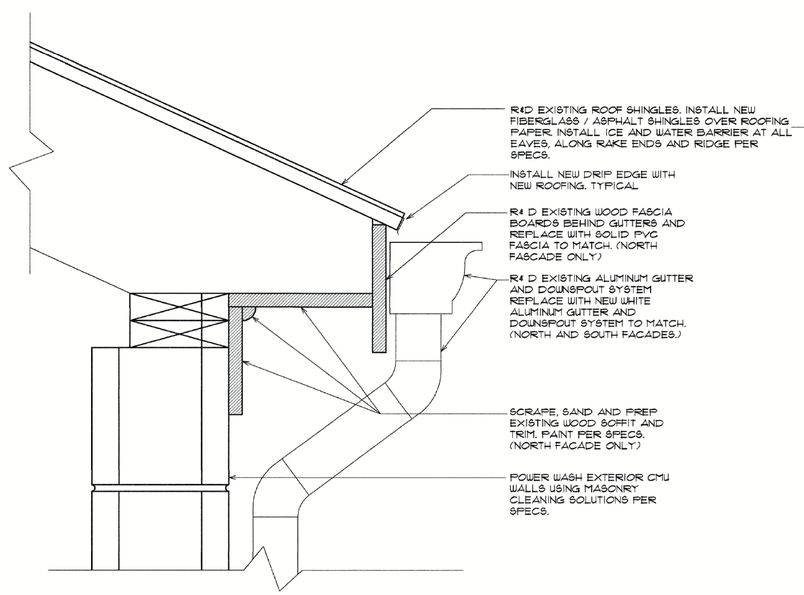
NOTES:

R&D EXISTING GUTTER AND DOWNSPOUT SYSTEM. REPLACE IN KIND. SEE SPECS.

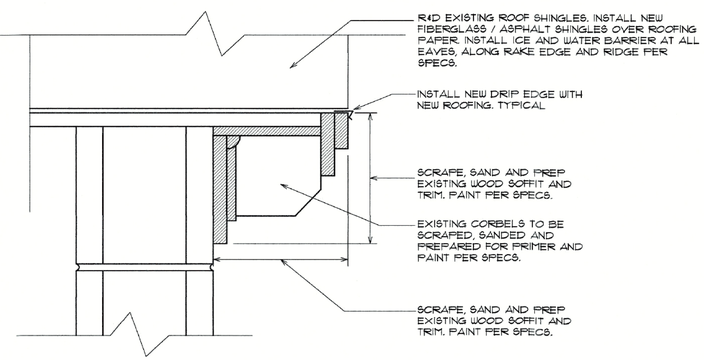
WASH ALL DOORS AND WINDOWS. WINDOWS SHALL BE WASHED INSIDE AND OUTSIDE.



D / A1.0 WEST ELEVATION
SCALE: 1/8"=1'-0"



1 / A1.0 ROOF EDGE DETAIL
SCALE: 3"=1'-0"



2 / A1.0 ROOF EDGE DETAIL
SCALE: 3"=1'-0"

FINAL DRAWINGS: ISSUED FOR BIDDING
3-6-2020

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RIDOT MIDDLETOWN MAINTENANCE FACILITY

122 WYATT ROAD
MIDDLETOWN, RHODE ISLAND

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SHEET TITLE

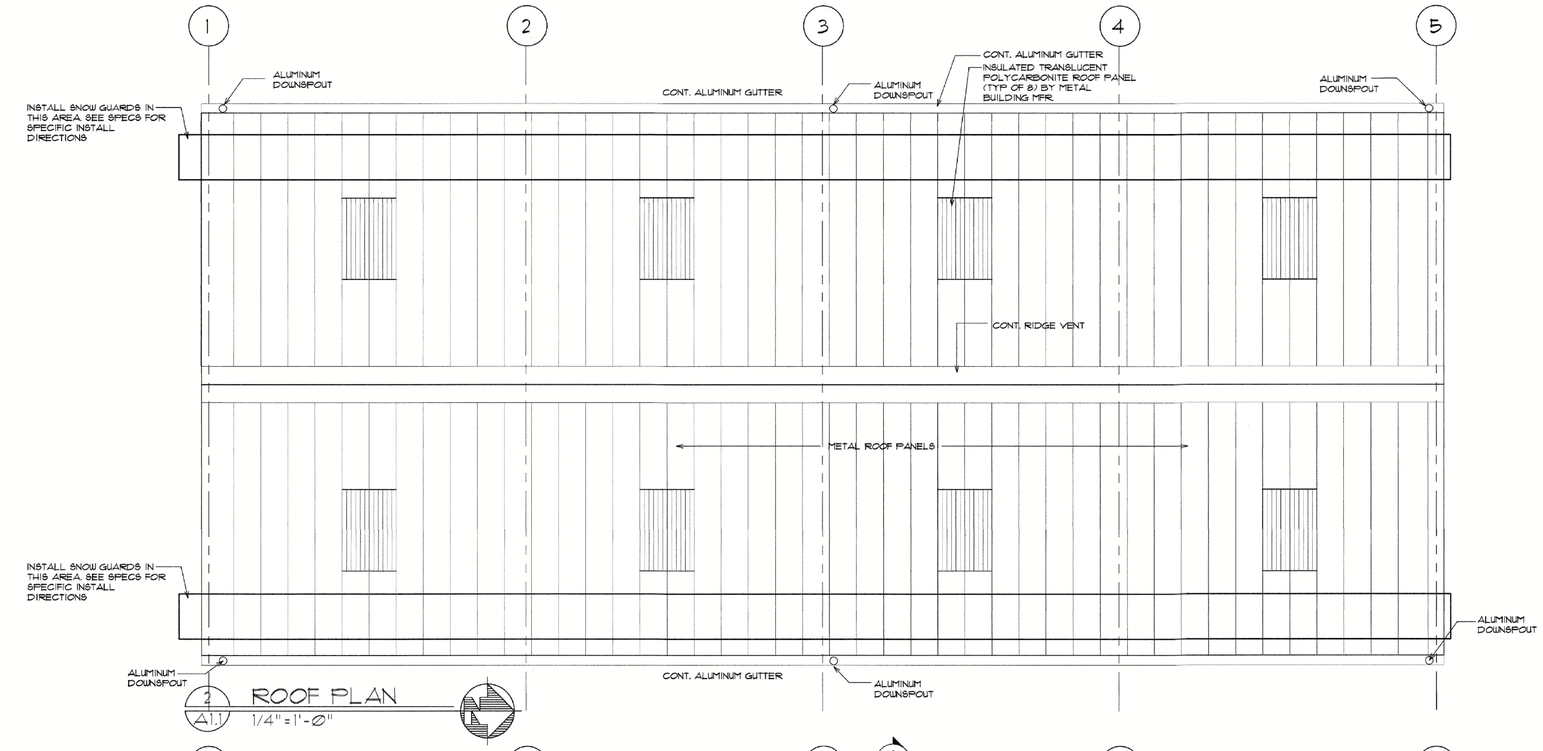
EXISTING BUILDING ELEVATIONS AND DETAILS

REVISIONS

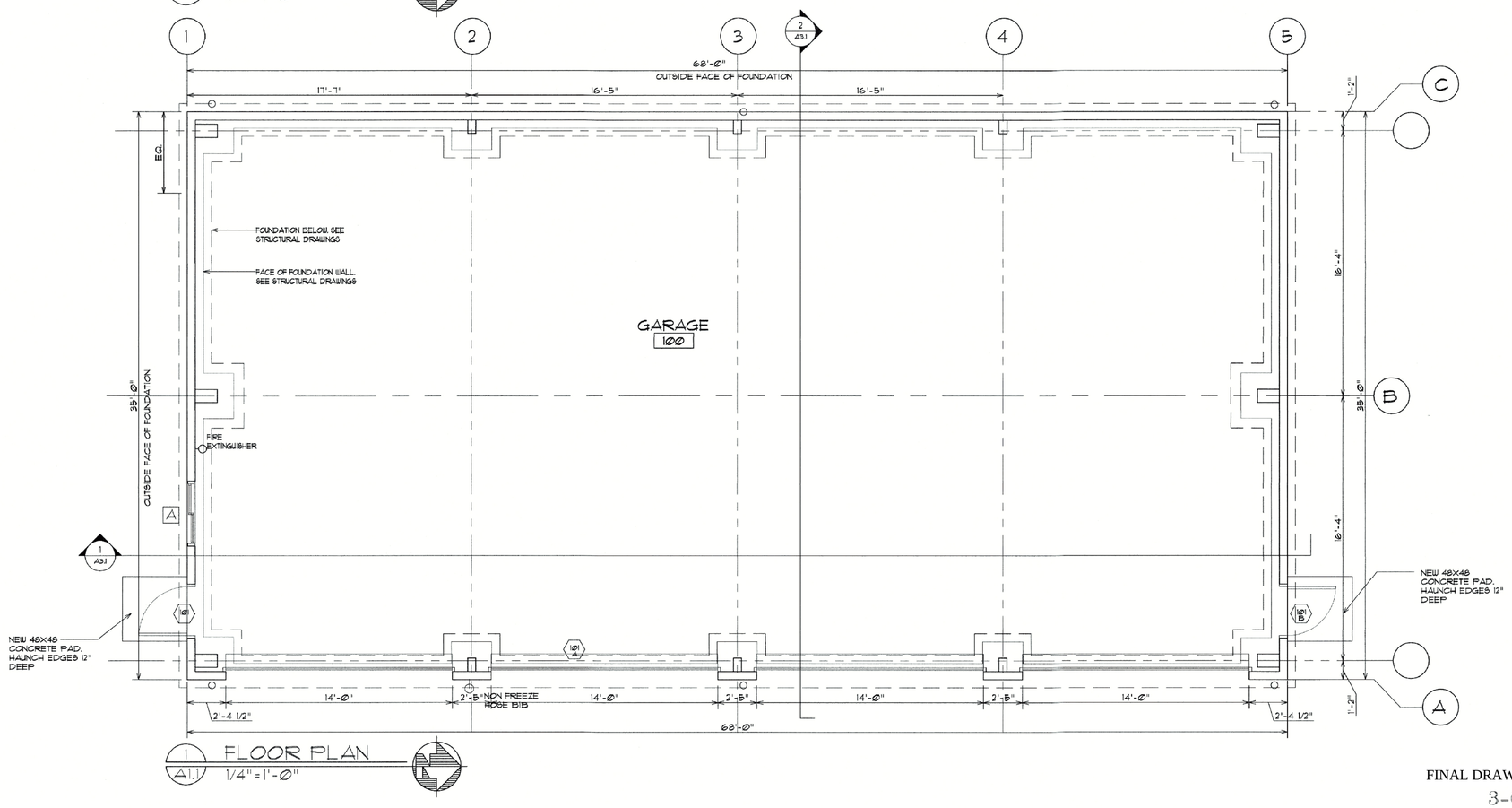
DRAWN:	DATE: MARCH 6, 2020
CHK BY: SHG	JOB NO: 19057

A1.0

SHEET OF



2 / A1.1 ROOF PLAN
1/4" = 1'-0"



1 / A1.1 FLOOR PLAN
1/4" = 1'-0"

FINAL DRAWINGS: ISSUED FOR BIDDING
3-6-2020

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MAINTENANCE
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SHEET TITLE

FLOOR PLAN
ROOF PLAN

REVISIONS

DRAWN:	DATE: MARCH 6, 2020
CHK BY: SHG	JOB NO: '9205T

A1.1

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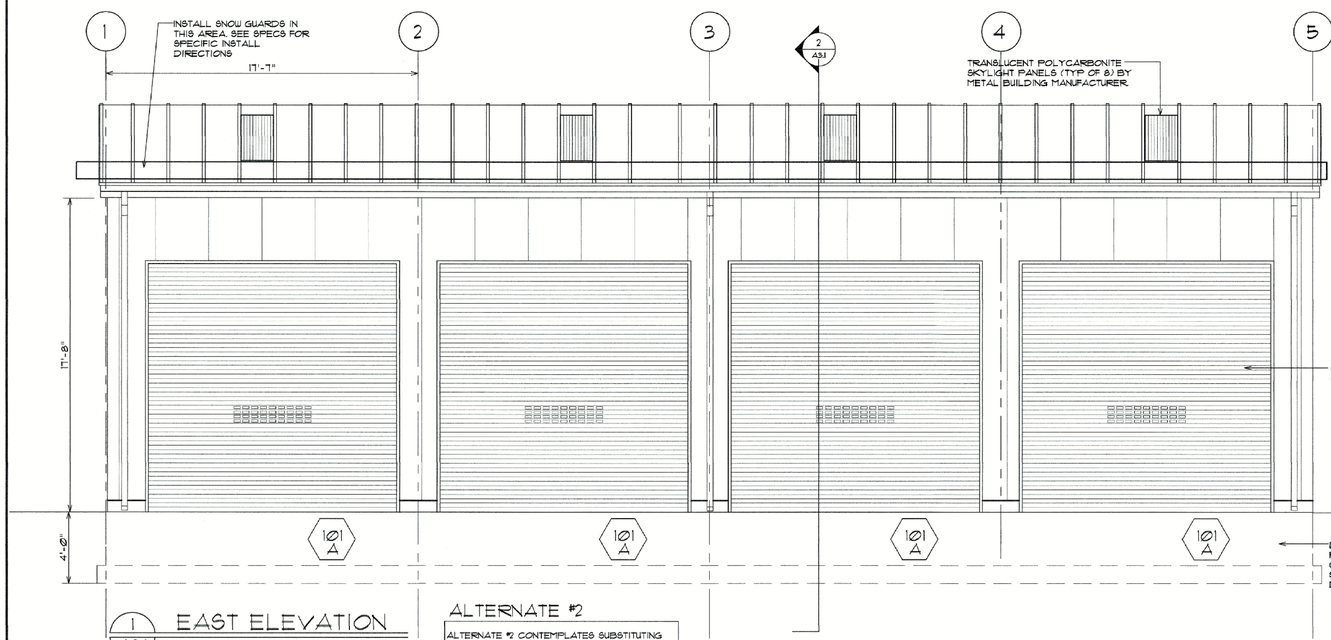
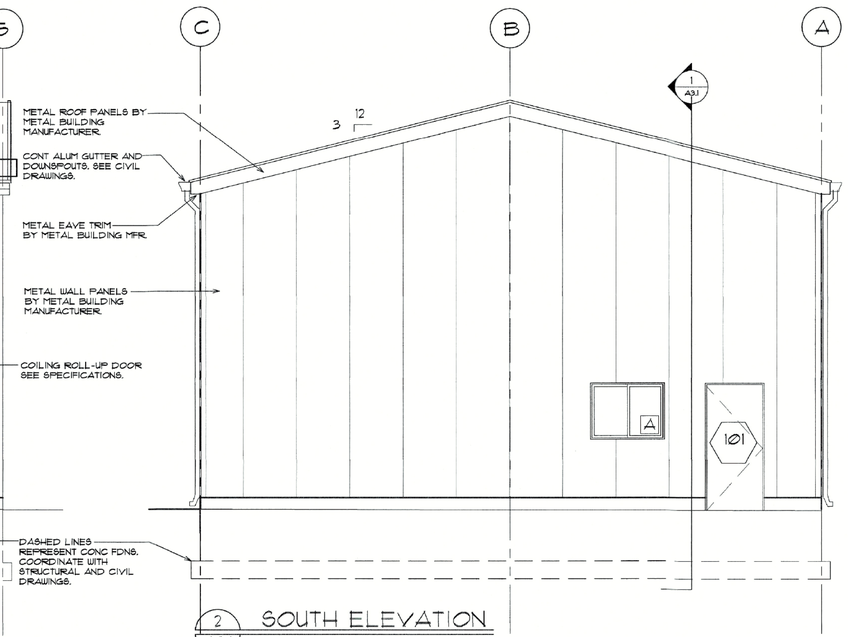


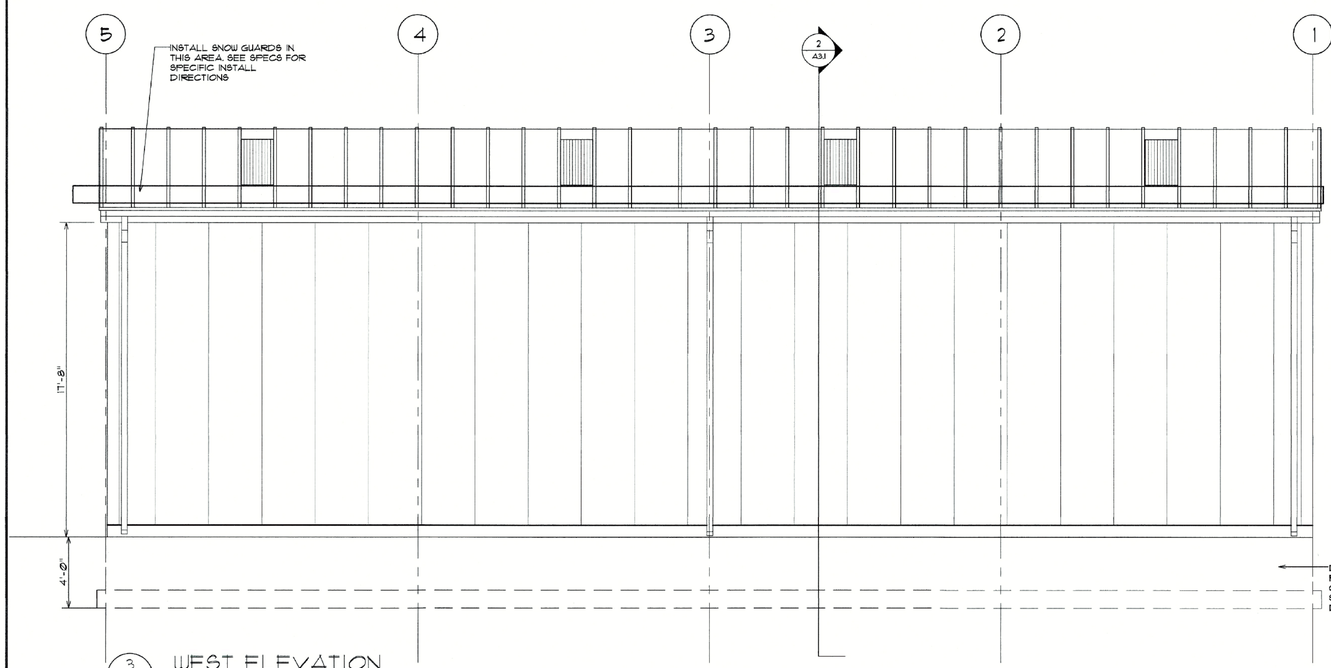
1 EAST ELEVATION
A2.1 SCALE 1/4"=1'-0"

ALTERNATE #2

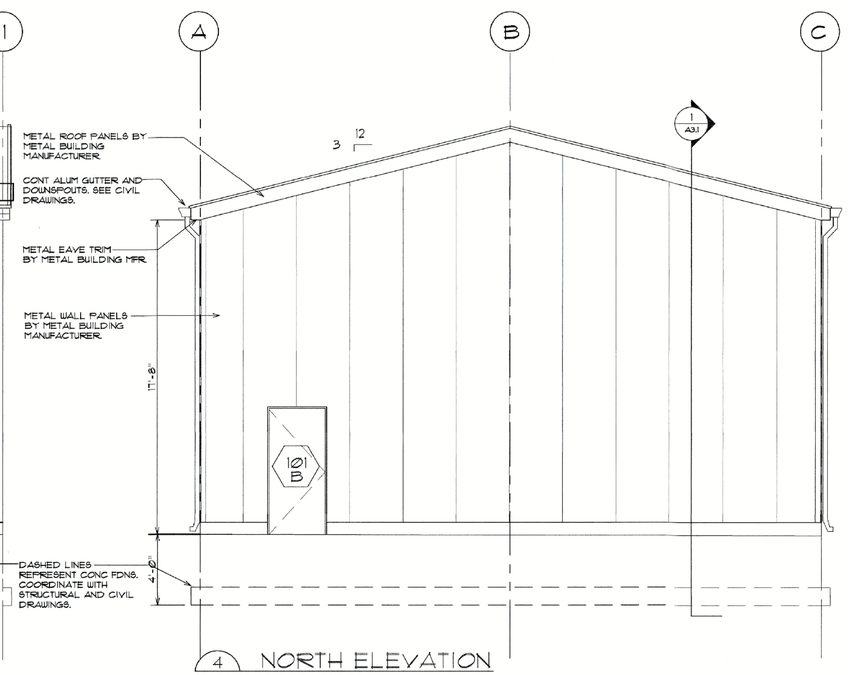
ALTERNATE #2 CONTEMPLATES SUBSTITUTING ALL FOUR INSULATED GARAGE DOORS IN LIEU OF NON-INSULATED GARAGE DOORS.



2 SOUTH ELEVATION
A2.1 SCALE 1/4"=1'-0"



3 WEST ELEVATION
A2.1 SCALE 1/4"=1'-0"



4 NORTH ELEVATION
A2.1 SCALE 1/4"=1'-0"

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SHEET TITLE

ELEVATIONS

REVISIONS

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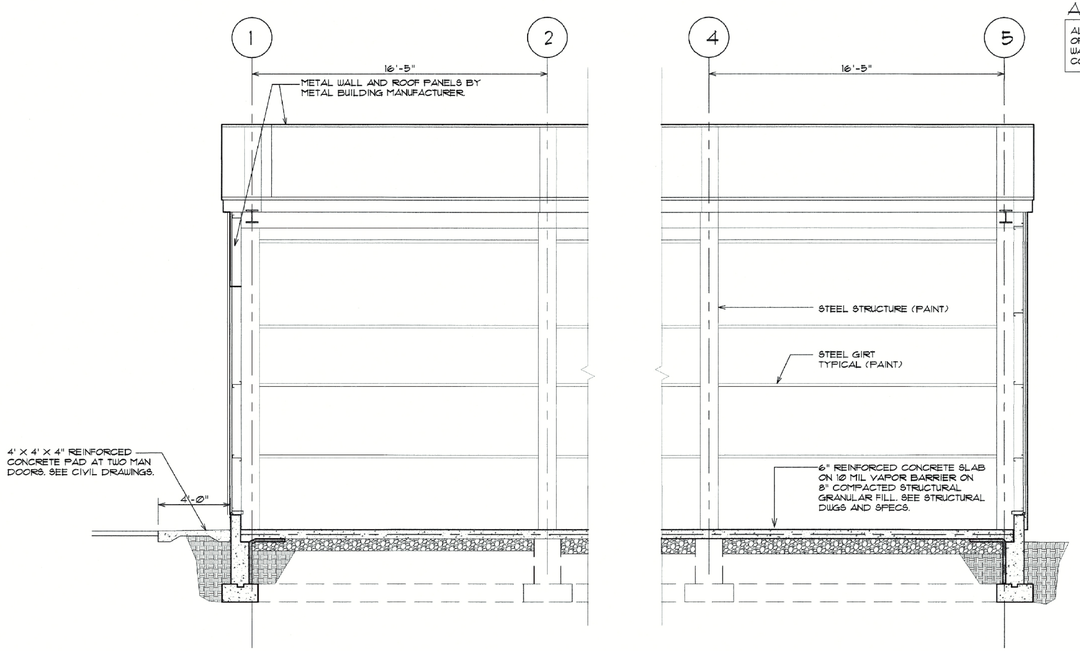
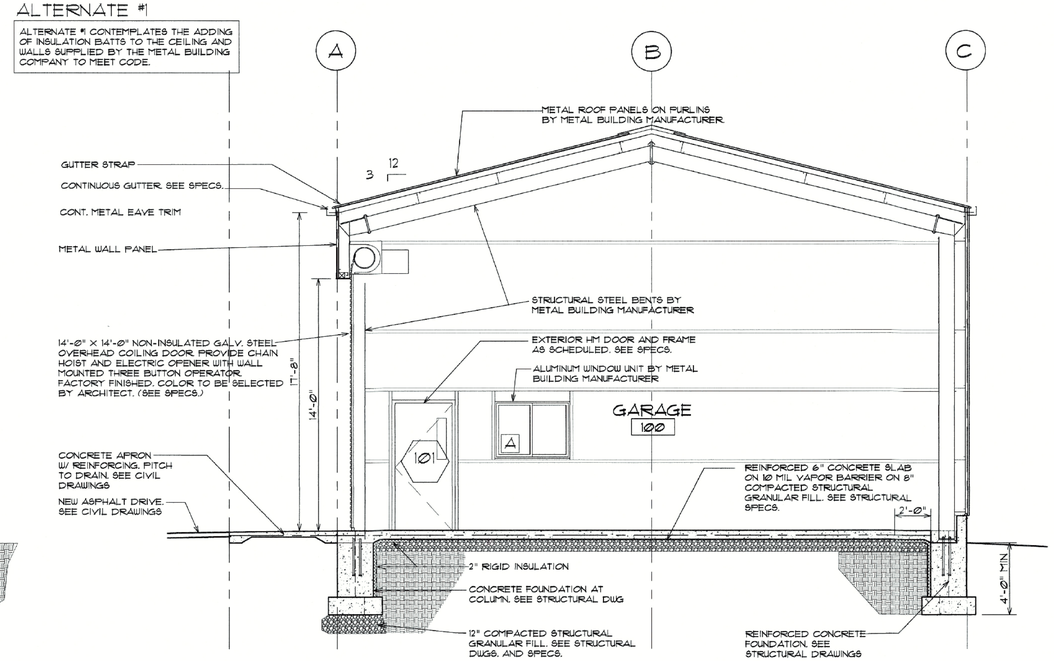


1 LONGITUDINAL BUILDING SECTION
A3.1 SCALE 1/4"=1'-0"

ALTERNATE #1

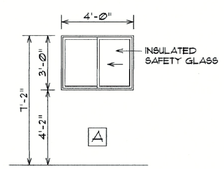
ALTERNATE # CONTEMPLATES THE ADDING OF INSULATION BATTS TO THE CEILING AND WALLS SUPPLIED BY THE METAL BUILDING COMPANY TO MEET CODE.



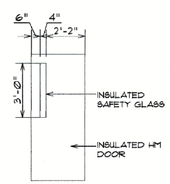
2 BUILDING CROSS SECTION
A3.1 SCALE 1/4"=1'-0"

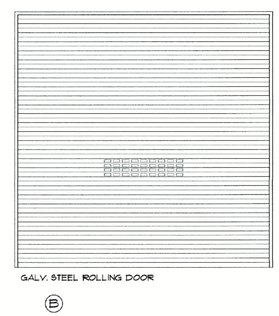
DOOR SCHEDULE

LOCATION		DOOR SIZE	DOOR TYPE			FRAME TYPE			DETAILS			LABEL	HRD. SET	REMARKS
DOOR No.	ROOM NAME	W H T	ELEV.	MAT.	GLAZ.	ELEV.	MAT.	FIN.	HEAD	JAMB	SILL			
101	GARAGE	3'-0" X 7'-0" X 1 3/4"	A	GALV. HM	-	1	GALV. HM	PAINT	-	-	-	-	-	PROVIDED BY METAL BLDG FABRICATOR
101A	GARAGE	14'-0" X 14'-0"	B	GALV STEEL	VISION LITES	-	-	FACTORY PAINT	-	-	-	-	-	NON-INSULATED W/ ELECTRIC OPENER. SEE SPEC
101 B	GARAGE	3'-0" X 7'-0" X 1 3/4"	A	GALV. HM	-	1	GALV. HM	PAINT	-	-	-	-	-	PROVIDED BY METAL BLDG FABRICATOR

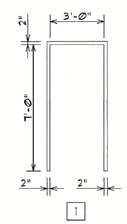


WINDOW ELEVATION
SCALE: 1/4"=1'-0"
(EXTERIOR WINDOWS PROVIDED BY METAL BUILDING FABRICATOR)





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



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

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3-6-2020

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SHEET TITLE
SECTIONS

REVISIONS

DRAWN:	DATE: MARCH 6, 2020
CHK BY: SHG	JOB NO: 19057

A3.1
SHEET OF

GENERAL NOTES

DESIGN LOADS (EXCEPT AS NOTED):

BUILDING CODE: RHODE ISLAND STATE BUILDING CODE SBC-1 (2015 INTERNATIONAL BUILDING CODE W/ 2019 RI AMENDMENTS)

FOUNDATION CRITERIA:
GROUND SNOW: 30 PSF
FROST DEPTH: 4'-0"
SAFE SOIL BEARING CAPACITY: 2000 PSF (ASSUMED)

LATERAL FORCE RESISTING SYSTEM TO BE DESIGNED BY METAL BUILDING MANUFACTURER.

ANCHOR BOLT SIZE, LENGTH, QUANTITY AND LOCATION AS SPECIFIED BY METAL BUILDING MANUFACTURER.

FOUNDATION MUST BE CHECKED FOR LOADS PROVIDED BY METAL BUILDING MANUFACTURER BEFORE CONSTRUCTION BEGINS.

GENERAL NOTES

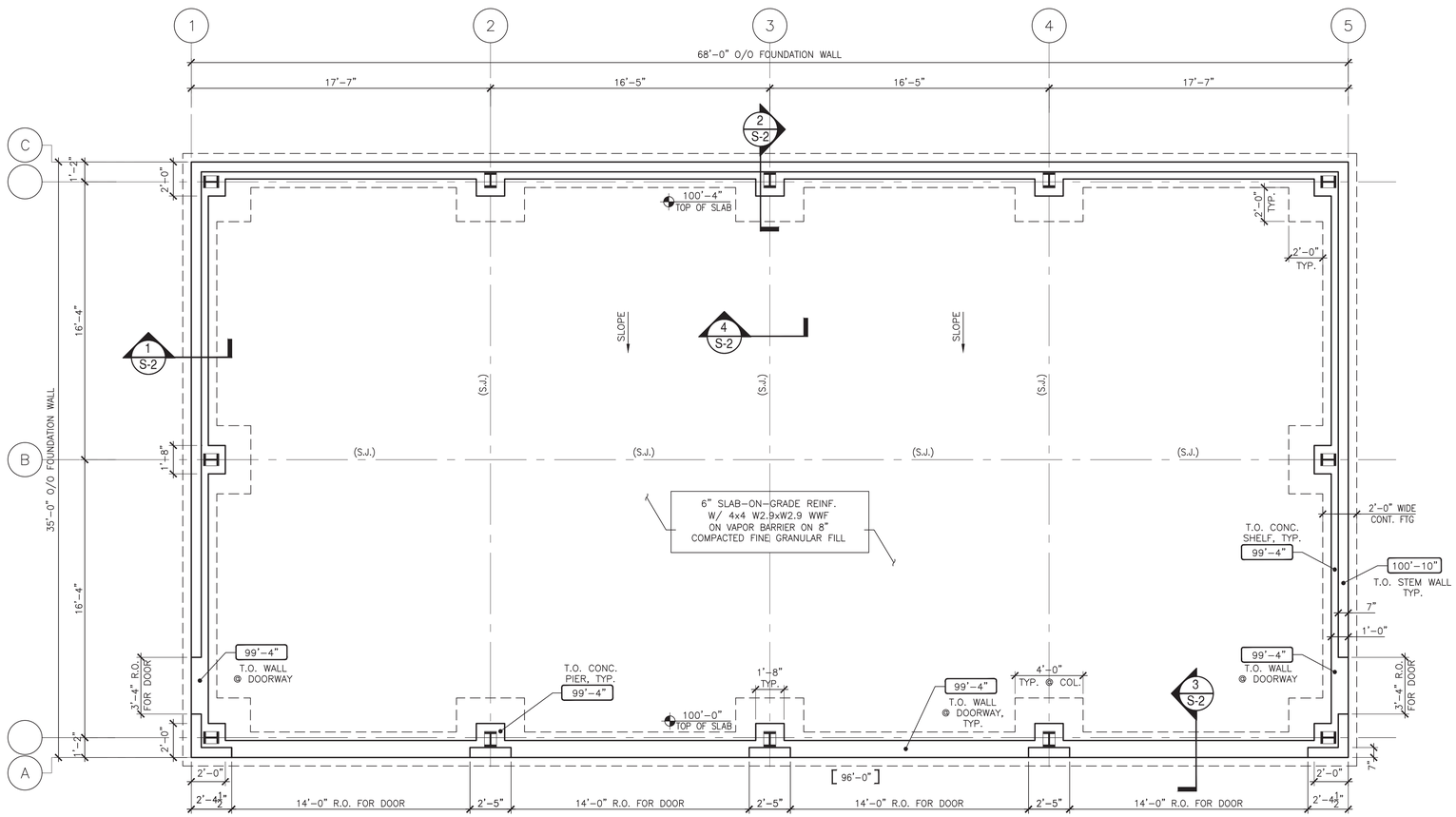
FOUNDATION NOTES:

1. ALL SOIL CONTAINING ORGANIC OR UNSUITABLE BEARING MATERIAL SHALL BE CLEARED FROM THE BUILDING FOOTPRINT.
2. ALL SOIL SUPPORTED FOOTINGS AND SLABS SHALL BE FOUNDED UPON COMPACTED NATURAL SUBGRADE OR COMPACTED BANK RUN GRAVEL FILL WITH A SAFE BEARING CAPACITY OF NOT LESS THAN 2000 PSF (ASSUMED). COORDINATE SITE SPECIFIC SUBGRADE PREPARATION REQUIREMENTS WITH OWNERS GEOTECHNICAL REPORT.
3. ROCK SHALL BE EXCAVATED A MINIMUM OF 12" BELOW BOTTOM OF FOOTING ELEVATION AND COVERED WITH A LAYER OF COMPACTED GRAVEL.
4. A MODIFIED PROCTOR TEST SHALL BE PERFORMED BY A SOILS TESTING LAB ON EACH TYPE OF SOIL TO BE COMPACTED.
5. SOIL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY PER ASTM D1557 IN LIFTS NOT TO EXCEED 6" LOOSE DEPTH.
6. FIELD DENSITY TESTS SHALL BE PERFORMED BY AN INDEPENDENT SOILS TESTING LAB TO VERIFY COMPACTION. A COPY OF ALL TEST REPORTS SHALL BE FILED WITH THE ENGINEER.
7. BACKFILL SYMMETRICALLY AGAINST ALL FOUNDATION WALLS IN INCREMENTS NOT TO EXCEED 2 FEET MAXIMUM DIFFERENTIAL.
8. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR UNDER FLOOR SYSTEMS AND SPECIAL GRANULAR FILL MATERIAL REQUIREMENTS.
9. NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER OR ICE.
10. ALL SLABS-ON-GRADE SHALL BE PLACED ON A VAPOR BARRIER OVER A MIN. 8" COMPACTED STRUCTURAL FILL LAYER. COORDINATE ADDITIONAL SUBGRADE PREPARATION REQUIREMENTS WITH OWNERS GEOTECHNICAL REPORT.

GENERAL NOTES

CONCRETE NOTES:

1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI AT 28 DAYS.
2. ALL CONCRETE WALLS, FOOTINGS AND CONCRETE EXPOSED TO THE WEATHER SHALL CONTAIN AND APPROVED AIR ENTRAINING ADMIXTURE. AIR CONTENT SHALL BE 4 1/2% TO 7%.
3. ALL CONCRETE SHALL CONTAIN AN APPROVED WATER-REDUCING ADMIXTURE.
4. A SET OF FOUR (4) CONCRETE TEST CYLINDERS SHALL BE TAKEN BY AN INDEPENDENT CONCRETE TESTING LAB ON EACH DAY WHEN CONCRETE PLACEMENT EXCEEDS 5 CUBIC YARDS. ONE CYLINDER SHALL BE BROKEN AT 7 DAYS, TWO AT 28 DAYS, AND ONE AT 56 DAYS. A COPY OF ALL TEST REPORTS SHALL BE FILED WITH THE ARCHITECT.
5. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
6. A MIX DESIGN SHALL BE SUBMITTED FOR APPROVAL FOR EACH TYPE OF CONCRETE.
7. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60 STEEL.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, SHOWING REINFORCING DETAILS, STEEL SIZES, SPACING AND PLACEMENT OF REINFORCING.
9. ALL REINFORCING BAR SPLICES SHALL CONFORM TO REQUIREMENTS OF ACI 318, BUT IN NO CASE SHALL THEY BE LESS THAN 2'-0".
10. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCING.
11. CONSTRUCTION JOINTS IN ALL WALLS SHALL BE NOT FURTHER APART THAN 60 FEET IN ANY DIRECTION. SEE PLAN FOR LOCATION OF SLAB CONSTRUCTION AND/OR SHRINKAGE JOINTS.
12. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-1064, Fy=60 KSI; AND BE SUPPLIED IN SHEETS
13. ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AT SIDES ANS ENDS AND BE SECURELY WELDED TOGETHER.
14. COORDINATE ALL FOUNDATION PENETRATIONS WITH ARCHITECT, PLUMBING, MECHANICAL, ELECTRICAL CONTRACTORS AND LOCAL AGENCIES.
15. INTERIOR CONCRETE SURFACES, INCLUDING THE TOP OF WALLS, SHALL BE TREATED WITH A CORROSION INHIBITOR SUCH AS "SURTREAT" OR EQUAL IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS AND APPLICATION PROCEDURES.



FOUNDATION PLAN

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

NOTES:
1. C.A. PRETZER ASSOCIATES, INC. IS RESPONSIBLE FOR THE DESIGN OF THE CONCRETE FOUNDATION ONLY.
2. BUILDING, COMPONENTS, AND CLADDING DESIGN BY METAL BUILDING COMPANY..
3. TOP OF SLAB (WITH CONCRETE TROWEL FINISH) CALLED ELEVATION = 100'-0"(SITE ELEVATION 168.20')

XX'-XX" INDICATES TOP OF WALL AND SHELF ELEV.

[XX'-XX"] INDICATES BOTTOM OF FOOTING ELEV.

(S.J.) INDICATES SHRINKAGE CONTROL JOINT (SEE TYP. SLAB DETAIL)

FINAL DRAWINGS: ISSUED FOR BIDDING MARCH 6, 2020

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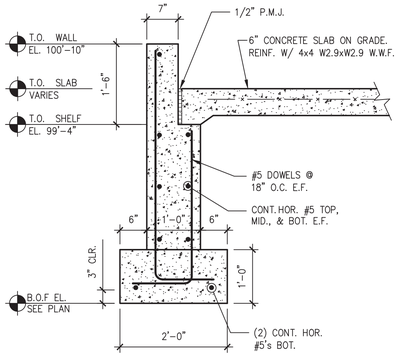
SHEET TITLE
FOUNDATION PLAN AND GENERAL NOTES

REVISIONS

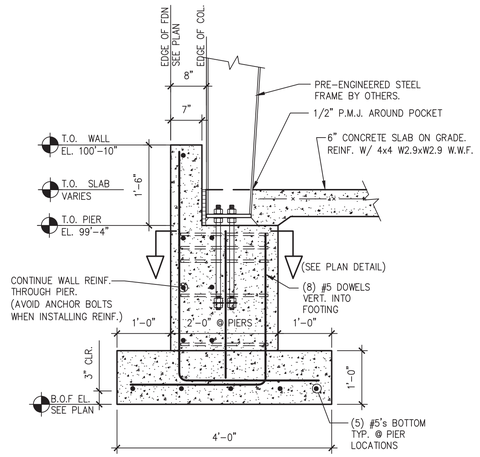
DRAWN: AG	DATE: MARCH 6, 2020
CHK BY: JM	JOB NO: 19057

S-1

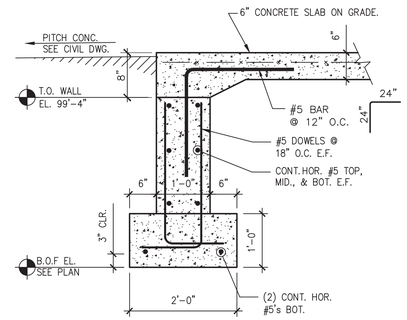
SHEET OF



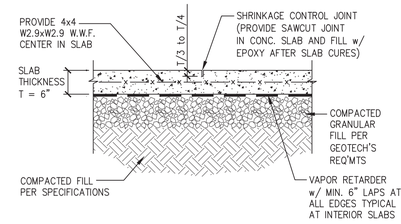
1 S-2 FDN SECTION
SCALE: 3/4" = 1'-0"



2 S-2 FDN SECTION @ TYP. PIER
SCALE: 3/4" = 1'-0"



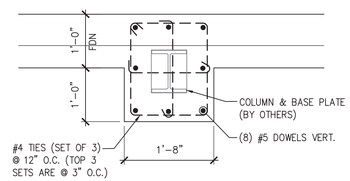
3 S-2 FDN SECTION @ DOOR OPENING
SCALE: NONE



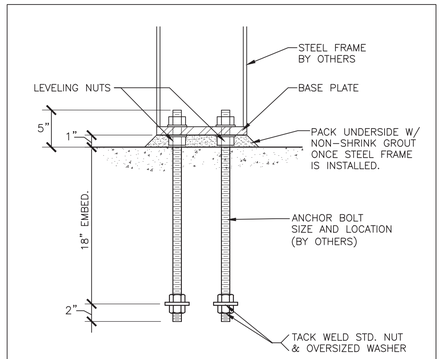
NOTES:

1. SAWCUT SHRINKAGE CONTROL JOINTS SHALL BE PROVIDED WITHIN 12 HRS. OF SLAB PLACEMENT, AS SOON AS CONCRETE IS CAPABLE OF SUPPORTING SAWCUTTING EQUIPMENT.
2. LOCATE SHRINKAGE CONTROL JOINTS AS INDICATED ON SLAB PLAN.
3. OPTIONALLY, THE SHRINKAGE CONTROL MAY SUBSTITUTE PREFABRICATED PLASTIC STRIPS INSTEAD OF SAWCUTTING. SUBMIT CATALOG CUTS FOR APPROVAL PRIOR TO USING.

4 S-2 TYP. SLAB DETAIL
SCALE: NONE



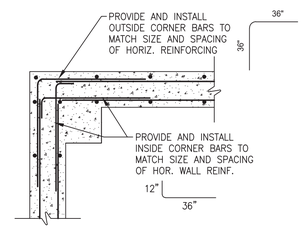
TYP. PIER DETAIL



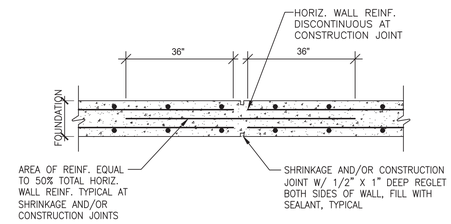
NOTE: ALL ANCHOR BOLTS AND THREADED RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 GRADE 36

ANCHOR BOLT DETAIL

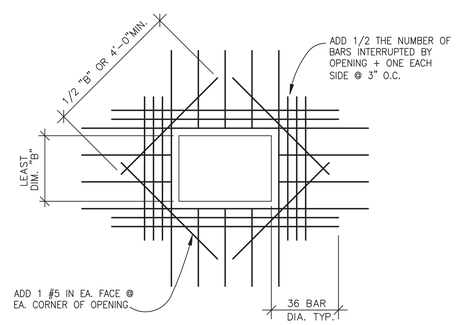
NOTE:
BASE PLATES ARE SUPPLIED BY STEEL BUILDING MANUFACTURER. SEE STEEL BUILDING DRAWINGS FOR BASE PLATE SIZE, THICKNESS AND PLATE ORIENTATION, AND COLUMN SIZE.



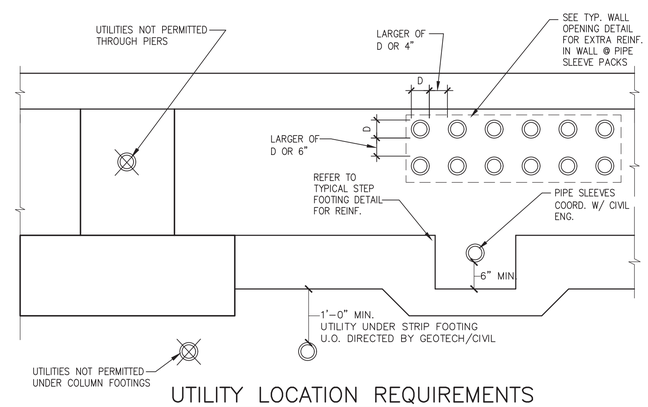
TYP. WALL CORNER



TYP. WALL CONSTRUCTION JOINT



TYP. WALL OPENING DETAIL



UTILITY LOCATION REQUIREMENTS

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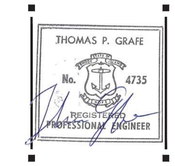
MARCH 6, 2020



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SHEET TITLE
FOUNDATION SECTIONS AND DETAILS

REVISIONS

DRAWN: AG	DATE: MARCH 6, 2020
CHK BY: JM	JOB NO: 19057

S-2

SHEET OF

LIGHTING FIXTURE LEGEND

ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

A a	LIGHT FIXTURE (LUMINAIRE) AND OUTLET ON NORMAL CIRCUIT. LETTER INDICATES TYPE. SUBSCRIPT INDICATES CONTROL AND CIRCUIT NUMBER.
B b	LIGHT FIXTURE (LUMINAIRE) AND OUTLET ON NORMAL CIRCUIT. LETTER INDICATES TYPE. SUBSCRIPT INDICATES CONTROL AND CIRCUIT NUMBER.
X	EXIT SIGN, ONE OR TWO FACED. ARROWS DENOTE DIRECTION. SHADING DENOTES NUMBER AND ORIENTATION OF SIGN FACE(S).
X	EXIT SIGN WITH EMERGENCY LIGHTS
EB	EMERGENCY LIGHTING BATTERY UNIT WITH EMERGENCY LIGHTS
RH	REMOTE EMERGENCY HEAD
—— LV ——	LOW VOLTAGE WIRING RUN IN METAL RACEWAY

POWER DISTRIBUTION LEGEND

ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

240/120 VOLT PANELBOARD, SURFACE MOUNTED, REFER TO SCHEDULE OF PANELBOARDS.

POWER OUTLETS & DEVICES LEGEND

ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

POWER RECEPTACLES:
ALL RECEPTACLES SHALL BE MOUNTED AT 18" A.F.F. TO CENTER, UNLESS OTHERWISE NOTED.

C = MOUNTED AT 6" ABOVE BACK SPLASH TO BOTTOM, REFER TO ARCHITECTURAL ELEVATIONS FOR COORDINATION.
WP = WEATHERPROOF.

DUPLEX RECEPTACLE ON NORMAL CIRCUIT.

DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE ON NORMAL CIRCUIT.

J — JUNCTION BOX.

MOTOR AND CONTROLS LEGEND

ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

S_T — SINGLE POLE MOTOR RATED SWITCH WITH OVERLOAD HEATER (MANUAL MOTOR STARTER).

UN-FUSED DISCONNECT SWITCH WITH RATINGS.

30/3/1
- NEMA RATING. "WP" INDICATES RAINTIGHT
- NUMBER OF POLES
- SWITCH SIZE

FUSED DISCONNECT SWITCH WITH RATINGS.

30/20/3/DE/1
- NEMA RATING. "WP" INDICATES RAINTIGHT
- INDICATES DUAL ELEMENT FUSES
- NUMBER OF POLES
- FUSE SIZE. "NF" INDICATES NON FUSED
- SWITCH SIZE

FUSED STARTER\DISCONNECT SWITCH WITH RATINGS.

30/20/3/DE/1
- NEMA RATING. "WP" INDICATES RAINTIGHT
- INDICATES DUAL ELEMENT FUSES
- NUMBER OF POLES
- FUSE SIZE. "NF" INDICATES NON FUSED
- SWITCH SIZE

MAGNETIC MOTOR STARTER.

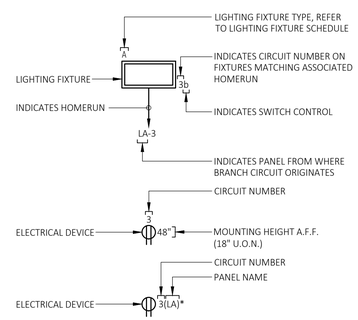
3 — MOTOR; "3" INDICATES HORSEPOWER RATING.

ABBREVIATIONS

ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

A/AMP	AMPERE
AC	ALTERNATING CURRENT
ADA	AMERICAN WITH DISABILITIES ACT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
ALCS	AUTOMATED LIGHTING CONTROL SYSTEM
AL	ALUMINUM
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
AV	AUDIO VISUAL
B	BURIED
BFG	BELOW FINISHED GRADE
BOF	BOTTOM OF FIXTURE
C	CONDUIT
CA	CABLE
CAT	CATALOG
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM
CB	CIRCUIT BREAKER
CBA	COLOR BY ARCHITECT
CD	CANDELA
CKT	CIRCUITS
CPU	CENTRAL PROCESSING UNIT
CONT.	CONTINUATION
CU	COPPER
\℄	CENTERLINE
dB	DECIBEL
DC	DIRECT CURRENT
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ECPS	EMPTY CONDUIT WITH PULLSTRING
EG	EQUIPMENT GROUND
ELEV	ELEVATION
EMT	ELECTRIC METALLIC TUBING
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBA	FINISH BY ARCHITECT
FDR	FEEDER
FLA	FULL LOAD AMPERES
FLMT	FLEXIBLE LIQUID TIGHT METALLIC TUBING
FREQ	FREQUENCY
G	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HH	HANDHOLE
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HZ	HERTZ
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KWH	KILOWATT HOURS
LAN	LOCAL AREA NETWORK
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
M/G	MOTOR/GENERATOR SET
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
MTG	MOUNTING
N	NEUTRAL
NA	NOT APPLICABLE
NC	NORMALLY CLOSED CONTACT
NEC	NATIONAL ELECTRICAL CODE
NF	NOT FUSIBLE
NG	NATIONAL GRID (ELECTRIC UTILITY)
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN CONTACT
NTS	NOT TO SCALE
OPD	OVER CURRENT PROTECTION DEVICE
P	POLE
PH	PHASE
POS	PROVIDED UNDER OTHER SECTIONS
POTS	PLAIN ORDINARY TELEPHONE
PVC	POLYVINYL CHLORIDE
PWR	POWER
RGS	RIGID GALVANIZED STEEL
RIEC	RHODE ISLAND ELECTRICAL CODE
RMS	ROOT MEAN SQUARE VALUE
RPM	REVOLUTIONS PER MINUTE
SN	SOLID NEUTRAL
SS	SECURITY
SWBD	SWITCHBOARD
TTB	TELEPHONE TERMINAL BOARD
TEL	TELEPHONE
TML	TERMINAL
TSP	TWISTED SHIELDED-PAIR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED-PAIR
V	VOLTS
VA	VOLT-AMPERE
VO	TELEPHONE
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
W	WATTS
W/	WITH
WP	WEATHERPROOF
XFMR/T	TRANSFORMER

CIRCUITING LEGEND



*BRANCH CIRCUIT SOURCE PANELBOARD INDICATED IN PARENTHESIS FOR REFERENCE WHEN HOMERUN IS NOT VISIBLE ON PLAN.

GENERAL NOTES:

1. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES, RECEPTACLES, OUTLETS, ETC. INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS. REFER TO SPECIFICATIONS FOR APPLICABLE MEANS AND METHODS.
2. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
3. WIRING SHALL BE 2#12+1#12G IN 3/4"C MINIMUM.

GENERAL NEW WORK NOTES

1. USE #10 CONDUCTORS FOR ALL HOMERUNS OVER 100 FEET IN LENGTH.
2. LOCATIONS SHOWN FOR CONNECTIONS TO EQUIPMENT ARE DIAGRAMMATIC. INSTALL FOR EASE OF MAINTENANCE AND TO SUIT EQUIPMENT.
3. PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, AND DISCONNECT SWITCHES.
4. DO NOT INSTALL OUTLET BOXES BACK TO BACK.
5. COLOR CODE ALL WIRING.
6. PROVIDE CONDUIT SLEEVES AS REQUIRED. THROUGH FIRE RATED SEPARATIONS, FIRE SEAL AFTER WIRING IS COMPLETE.
7. SUPPORT EACH LIGHTING FIXTURE FROM BUILDING STRUCTURAL STEEL.
8. PROVIDE A NYLON PULL CORD IN ALL EMPTY CONDUITS.
9. ALL WIRING SHALL BE IN METAL RACEWAYS.
10. PROVIDE ALL GROUNDING INCLUDING GREEN EQUIPMENT GROUND IN ALL RACEWAYS. GROUND BUILDING SERVICE ACCORDING TO NEC.
11. CIRCUIT NUMBERS INDICATE PANEL AND CIRCUIT BREAKER FOR EQUIPMENT CONNECTIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL ALL REQUIRED WIRING PER NATIONAL ELECTRIC CODE AND PROJECT SPECIFICATIONS TO PROPERLY ENERGIZE THE ELECTRICAL SYSTEM. ALL WIRING SHALL BE RUN IN A NEAT AND ORDERLY MANNER.
12. ALL RACEWAYS SHALL BE RUN PARALLEL OR PERPENDICULAR TO WALLS. DO NOT RUN CABLES DIAGONALLY THROUGH ANY SPACE.
13. WHERE THE NUMBER OF CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY SHALL BE REDUCED PER NATIONAL ELECTRIC CODE TABLE BASED ON NO DIVERSITY. CONSIDER NEUTRALS TO BE CURRENT CARRYING CONDUCTORS.
14. DO NOT COMBINE CIRCUITS OR USE COMMON NEUTRALS
15. LABEL ("BROTHER P-TOUCH LABELING SYSTEM" OR APPROVED EQUAL) OR ENGRAVE EACH RECEPTACLE PLATE WITH PANEL DESIGNATION AND CIRCUIT NUMBER.
16. PROVIDE GROUNDING AND BONDING BUSHINGS FOR SERVICE RACEWAYS PER NEC. SIZE THE BONDING JUMPER PER NEC.
17. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. NO CLAIM FOR EXTRA COMPENSATION SHALL BE ENTERTAINED FOR WORK WHICH A PRELIMINARY EXAMINATION WOULD HAVE REVEALED. THE SUBMISSION OF A BID WILL BE CONSIDERED AS ACKNOWLEDGMENT ON THE PART OF THE BIDDER OF HIS VISITATION TO THE SITE.
18. OBTAIN ALL NECESSARY PERMITS AND CERTIFICATES. PRESENT SATISFACTORY PROOF OF FINAL INSPECTION AND APPROVAL BY AUTHORITIES HAVING JURISDICTION.
19. MAINTAIN CORRECT PHASE SEQUENCE OF ALL FEEDERS AND CIRCUITS BY ESTABLISHING PHASE IDENTIFICATION AND MAINTAINING CORRECT RELATIONSHIP THROUGHOUT THE SYSTEM. PROVIDE LINE BALANCE WITHIN 10% OF NORMAL LOADS.

CIRCUIT TRACING NOTE

ELECTRICAL CONTRACTOR SHALL UPDATE ALL EXISTING PANELBOARD DIRECTORIES TO REFLECT ALL CIRCUITS THAT ARE NO LONGER IN USE. EXISTING CONDUCTORS SHALL BE PULLED BACK TO PANEL OF ORIGIN. ALL CIRCUIT BREAKERS NOT BEING UTILIZED SHALL BE LABELED AS SPARE AND PUT IN THE OPEN (OFF) POSITION.

SHEET LIST

SHEET NUMBER	SHEET NAME
E0.1	SYMBOL LIST, ABBREVIATIONS AND NOTES
ES1.0	ELECTRICAL SITE PLAN
E1.0	FIRST FLOOR PLAN - NEW WORK
E2.0	SCHEDULES
E3.0	DETAILS

FINAL DRAWINGS: ISSUED FOR BIDDING MARCH 6, 2020

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LEGEND AND NOTES

REVISIONS

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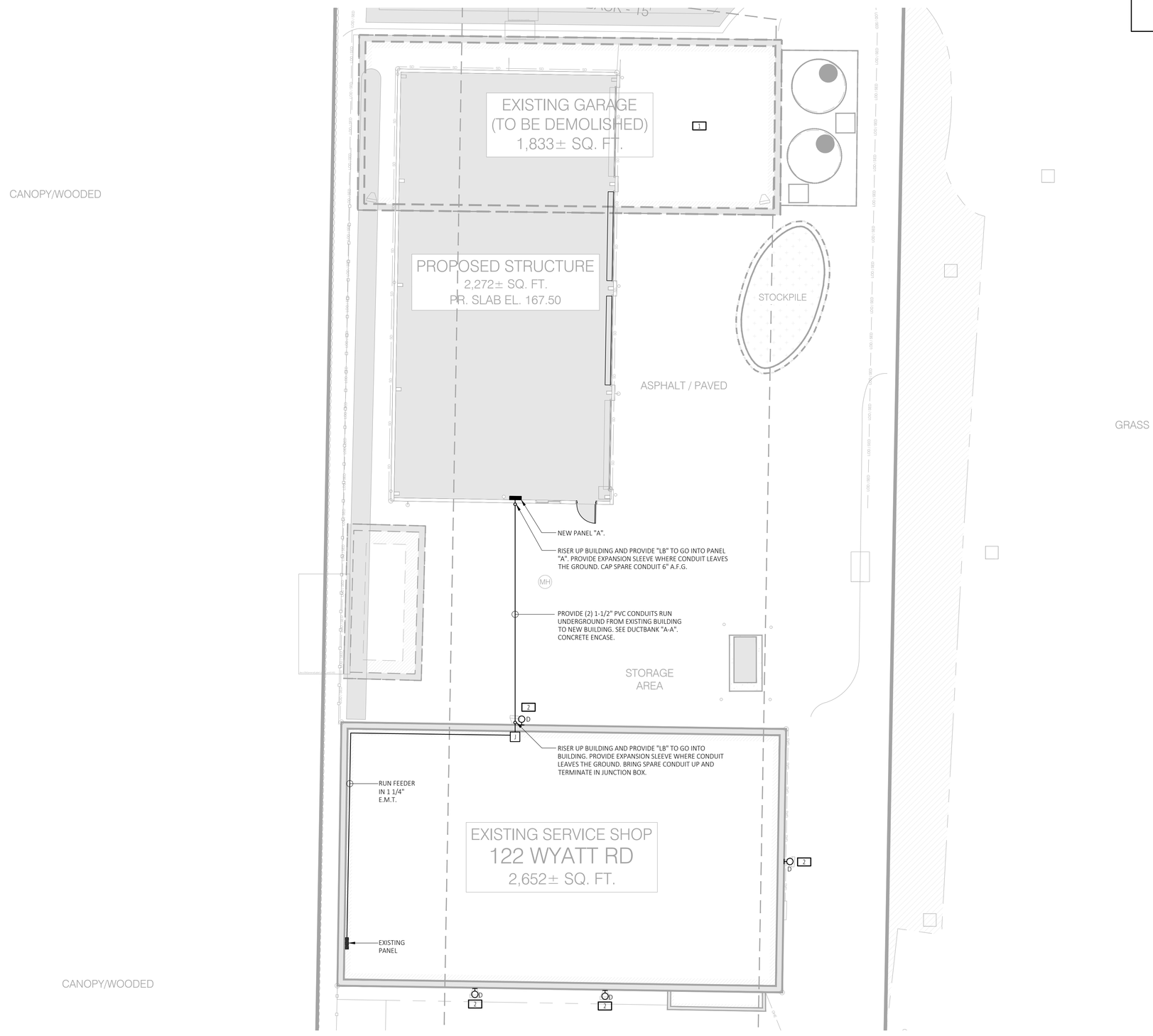
CHK BY: G.D.	JOB NO: 19057

E0.1

SHEET 1 OF 5

KEYED SHEET NOTES

1. ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE ELECTRICAL SERVICE TO EXISTING BUILDING AND MAKE SAFE FOR DEMOLITION.
2. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING LIGHT FIXTURE AND INSTALL A TYPE "D" FIXTURE WITH MOTION SENSOR. CONNECT TO EXISTING CIRCUIT. DISCONNECT TIME CLOCK OR SWITCH CONTROLLING EXISTING FIXTURE. ENSURE 120 VOLT CIRCUIT IS GOING TO NEW FIXTURE TYPE D.



01 ELECTRICAL SITE PLAN
SCALE: 1/8" = 1'-0"
0 8'-0" 16'-0" 24'-0"

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ELECTRICAL SITE PLAN

REVISIONS

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ES1.0

SHEET 2 OF 5

GENERAL SHEET NOTES: LIGHTING

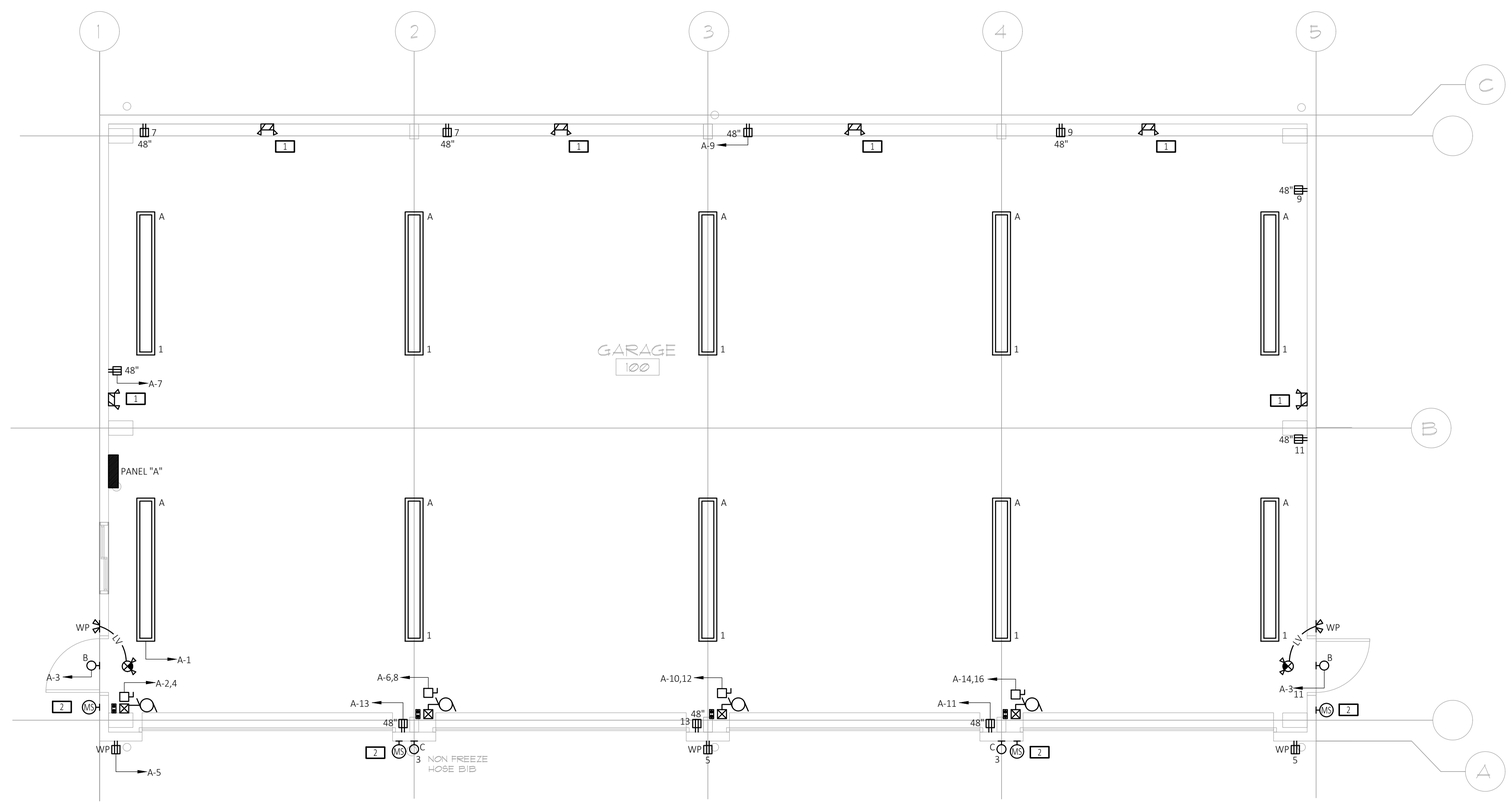
1. EXACT LOCATIONS OF ALL FIXTURES AND DEVICES SHALL BE FULLY COORDINATED WITH ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS, AND THE WORK OF OTHER TRADES PRIOR TO ROUGH-IN.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES, SWITCHES, SENSORS, POWER PACKS, RELAYS, AND OTHER ALIXILIARY DEVICES. WIRING AND CONDUIT OR MC CABLE IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.
3. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE IN METAL RACEWAYS.
4. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR ELECTRICAL EQUIPMENT. PROVIDE UNISTRUT OR OTHER SUPPLEMENTAL SUPPORT FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
5. LOCATIONS OF ALL SWITCHES SHALL COMPLY WITH ADA CRITERIA.
6. WIRE ALL EXIT SIGNS AND EMERGENCY EBU'S TO AREA LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.

GENERAL SHEET NOTES: POWER

1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE IN METAL RACEWAYS.
2. COORDINATE EXACT LOCATION OF ALL DEVICES.
3. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
4. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
5. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
6. TYPICALLY REFER TO ARCHITECTURAL ELEVATIONS FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN.

KEYED SHEET NOTES

1. MOUNT EMERGENCY BATTERY UNITS 8 FOOT ABOVE FINISHED FLOOR.
2. PROVIDE EXTERIOR MOTION SENSOR EQUAL TO HEATH-ZENITH #SL-5316-BZ-C. MOUNT ON BUILDING AND WIRE INTO CIRCUIT SERVING EXTERIOR LIGHT FIXTURE TYPE "B" OR "C".



01 FLOOR PLAN - NEW WORK
SCALE: 1/4" = 1'-0"

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FLOOR PLAN – NEW WORK

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SHEET 3 OF 5

LIGHTING FIXTURE SCHEDULE

TYPICAL LIGHTING NOTES:

1. MOUNTING ABBREVIATIONS, "G" = RECESSED IN GRID, "F" = RECESSED IN FLANGE, "S" = SURFACE, "W" = WALL, "P" = PENDANT, "GR" = GROUND, "U" = UNIVERSAL, "T" = TRACK.
2. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE, HANGERS, ACCESSORIES, ETC. FOR A COMPLETE AND PROPER INSTALLATION. VERIFY ROOM SURFACE CONSTRUCTION/FINISH TYPES PRIOR TO THE RELEASE OF ANY LIGHTING FIXTURES TO ENSURE PROPER MOUNTING PROVISIONS AND FIXTURES FITTINGS. REFER TO ARCHITECTURAL DRAWINGS/ELEVATIONS.
3. VERIFY ALL LIGHTING FIXTURE MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS/ELEVATIONS PRIOR TO THE START OF ROUGHING. PENDANT FIXTURES SHALL BE MINIMUM 19" FROM TOP OF FIXTURE TO CEILING UNLESS OTHERWISE NOTED.
4. ALL LED SOURCES, DRIVERS, AND CONTROLS SHALL MEET THE LATEST UTILITY CO. INCENTIVE REQUIREMENTS. REFER TO THE LATEST PROGRAM REQUIREMENTS DOCUMENTATION AND COORDINATE WITH UTILITY CO. TO ENSURE COMPLIANCE.
5. EXIT SIGNS SHALL BE TYPICALLY MOUNTED ON CEILINGS WHERE VISIBLE OR ON WALL WHERE CEILING MOUNTING IS NOT PRACTICAL. PRIOR TO ROUGHING COORDINATE WITH ARCHITECTURAL DRAWINGS/ELEVATIONS FOR SPECIFIC MOUNTING DIRECTION AND FOR LOCATION.
6. WHEN SUBMITTING TO ENGINEER FOR REVIEW THE LIGHTING FIXTURE SUBMITTALS SHALL CONSIST OF THE FOLLOWING: LIGHTING FIXTURE CUT SHEET, LIGHTING FIXTURE DRIVER CUT SHEET, AND LIGHTING FIXTURE LAMP/LED CUT SHEET FOR EACH FIXTURE. GROUPED CUT SHEETS WILL NOT BE ALLOWED. WHEN SUBMITTING ON LED PRODUCTS PROVIDE LIGHTING FACTS, LM-79, AND LM-80 TEST REPORTS FOR REVIEW.
7. FOR LIGHTING IN MECHANICAL ROOMS AND BACK OF HOUSE AREAS PROVIDE LIGHTING GENERALLY AS SHOWN. LIGHTING SHALL BE SHIFTED AS REQUIRED AT MECHANICAL EQUIPMENT THAT REQUIRES SPACE FOR FILTERS, ETC. MOUNT LIGHTING AT 9'-0" MAXIMUM UNLESS DUCTWORK AND PIPING CANT BE AVOIDED WHERE A FIXTURE IS NEEDED. IN THIS INSTANCE, RAISE OR LOWER THE FIXTURE AS REQUIRED. (NOT LESS THAN 7'-6"). LIGHTING IN THE MECHANICAL ROOM SHALL BE SUSPENDED BY AIRCRAFT CABLE. ALLOW (3') OF SLACK AIRCRAFT CABLE AND FEEDER AT EACH FIXTURE TO PERMIT FUTURE ADJUSTMENT. DO NOT SUPPORT LIGHT FIXTURES FROM DUCT OR PIPING. PROVIDE UNISTRUT BELOW DUCTS WHERE FIXTURE LOCATIONS COINCIDE WITH DUCT RUNS. PROVIDE THREADED RODS FROM STRUCTURAL MEMBERS TO SUPPORT UNISTRUT.
8. LIGHTING FIXTURE PACKAGE SUBMITTALS SHALL BE FULLY COORDINATED BETWEEN THE ELECTRICAL CONTRACTOR, LIGHTING FIXTURE REPRESENTATIVE(S), AND LIGHTING MANUFACTURERS TO ENSURE ALL PRODUCT, INSTALLATION, AND CONTROL REQUIREMENTS ARE MET PRIOR TO SUBMISSION FOR REVIEW. IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROVIDE A PACKAGE MEETING ALL REQUIREMENTS OF THE PROJECT FOR A COMPLETE AND FULLY FUNCTIONAL LIGHTING SYSTEM.
9. PROVIDE ALCS ADDRESSABLE INPUT/OUTPUT (I/0) MODULE FOR EACH FIXTURE UNLESS OTHERWISE NOTED. APPLICATIONS NOT REQUIRING INDIVIDUAL CONTROL (ONLY WHERE SPECIFICALLY NOTED ON PLANS) SHALL BE PROVIDED WITH I/O MODULES ON A FIXTURE GROUPING BASIS. WHERE FIXTURES ARE LOCATED IN HARD CEILING AREAS THE I/O MODULE SHALL BE REMOTE MOUNTED IN ACCESSIBLE AREA MODULE FOR EACH CIRCUIT SHALL BE LOCATED OUTDOORS THE I/O MODULE FOR EACH CIRCUIT SHALL BE LOCATED IN THE MAIN ELECTRICAL ROOM ADJACENT TO THE PANEL SERVING THE LIGHTING. REFER TO "AUTOMATED LIGHTING CONTROL SYSTEM - TYPICAL ONE-LINE DIAGRAM" AND SPECIFICATIONS FOR FURTHER INFORMATION.
10. UNLESS OTHERWISE INDICATED, ALL FINISHES SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD FINISH OPTIONS OR RAL FINISH PALETTE (DENOTED AS *FBA*).

TYPE	DESCRIPTION	MANUFACTURER	MODEL / SERIES	VOLTAGE	MTG.	SOURCE						DIMMING PROTOCOL	FINISH / MATERIAL	NOTES	ALTERNATE MANUFACTURERS
						TYPE	INPUT WATTAGE	INITIAL LUMENS	LUMEN MAINTENANANCE	CRI	COLOR / TEMP.				
A	8 FT. GASKETED LED INDUSTRIAL FIXTURE WITH ACRYLIC LENSE	H.E. WILLIAMS	96-8-L160/835-HIAFR-SSCMB-SSLATCH-OOCCWS-HB350W-L3W-120-L3-DRV-UNV	120	P	LED	123	16,188	L70@ 50,000HRS	80	3500K	N/A	WHITE	- - -	-
B	COMPACT ARCHITECTURAL WALL PACK	H.E. WILLIAMS	VWPH-L60/750-TFT-DBR-CGL-EM/10WC-120	120	W	LED	70	6,804	L70@ 50,000HRS	70	4000K	N/A	MED BRONZE	- - -	-
C	LARGE ARCHITECTURAL WALL PACK	H.E. WILLIAMS	WPAL-L49/850-BZ-PC-UNV	120	W	LED	69	4,944	L70@ 144,000HRS	80	5000K	N/A	BRONZE	- - -	-
D	DUAL LED EXTERIOR FLOOD LIGHT WITH MOTION SENSOR	RAB	SMS BULLET 2X12NW	120	W	LED	24	1,664	-	84	4000K	N/A	WHITE	- - -	-
X	EXIST SIGN WITH DUAL HEADS	H.E. WILLIAMS	EXIT/EM/LED-R-WHT-RC-SDT	120	W	LED	5.2	-	-	-	-	-	WHITE RED	- - -	-
	3.6V NI-CAD EMERGENCY BATTERY PACK	H.E. WILLIAMS	EMER/LED-WHY-HL-SDT-D	120	W	LED	3	-	-	-	-	-	WHITE	- - -	-
WP	DUAL REMOTE "WP" EMERGENCY HEADS	H.E. WILLIAMS	WETDRHL	3.6	W	LED	1.5	-	-	-	-	-	WHITE	- - -	-
WP	DUAL REMOTE "WP" EMERGENCY HEADS	H.E. WILLIAMS	WETDRHL	3.6	W	LED	1.5	-	-	-	-	-	WHITE	- - -	-

BRANCH CIRCUIT PANELS SCHEDULE

NOTES:

1. NOTES 2 & 3 APPLY TO ALL PANEL BOARDS.
2. PROVIDE WITH LUGS TO ACCOMMODATE CONDUCTOR SIZES AS IDENTIFIED ON THE RISER DIAGRAM FOR SUPPLY AND ALL LOADS. (THIS NOTE APPLICABLE TO ALL TERMINATIONS.)
3. PANEL SHALL BE FULLY RATED UNLESS NOTE 5 REFERENCED IN THE NOTES SECTION.
4. NOTES 5-10 ARE OPTIONS WHICH SHALL BE SPECIFICALLY INDICATED IN NOTES SECTION FOR INCLUSION.
5. INTERRUPTING CAPABILITY BY UL LISTED SERIES RATED SYSTEM. PROVIDE NAMEPLATES IN ACCORDANCE WITH NEC REQUIREMENTS IDENTIFYING SERIES RATING APPLICATION.
6. PROVIDE WITH 120V SHUNT TRIP MAIN CIRCUIT BREAKER.
7. BRANCH GROUND FAULT CIRCUIT INTERRUPTER BREAKER RATED FOR 4-6 ma FOR PERSONAL PROTECTION; QTY. AND RATING IN PARENTHESIS. I.E.: 7 (4-20/1)
8. BRANCH GROUND FAULT EARTH LEAKAGE BREAKER RATED FOR 30 ma FOR EQUIPMENT PROTECTION; QTY. AND RATING IN PARENTHESIS. I.E.: 8 (2-30/1)
9. BRANCH SHUNT TRIP BREAKER (120V COIL); QTY. AND RATING IN PARENTHESIS. I.E.: 9 (3-60/1)
10. BRANCH ARC FAULT CIRCUIT INTERRUPTER BREAKER; QTY. AND RATING IN PARENTHESIS. I.E.: 10 (8-20/1)

DESIGNATION	LOCATION	MTG.	ELECTRICAL CHARACTERISTICS							200% NEUTRAL BUS	ISOLATED GROUND BUS	FEED THRU LUGS	SURGE PROTECTIVE DEVICE	TOTAL POLES	BRANCH CIRCUIT BREAKERS																								NOTES
			BUS AMPS	MAIN		VOLTAGE	PHASE	WIRE	AIC						1 POLE									2 POLE								3 POLE							
				MCB	MLO										15	20	25	30	35	40	45	50	60	15	20	25	30	35	40	45	50	60	15	20	25	30	35	40	45	50	60	
A	GARAGE	SURFACE	100	60	-	120/240	1	3	10K	NO	NO	NO	YES	24	-	16	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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REVISIONS

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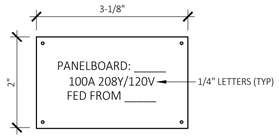
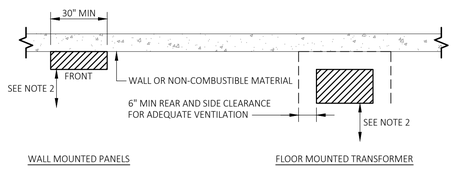


NOTES:

1. NAMEPLATES SHALL BE FURNISHED AND INSTALLED ON THE METER CENTERS/SWITCHBOARD AND METER CENTERS/SWITCHBOARD CIRCUIT BREAKERS, PANELBOARDS, TRANSFORMERS, JUNCTION BOXES, CABINETS FOR ALL SPECIAL PURPOSE SWITCHES, MOTOR DISCONNECT SWITCHES, STARTERS AND OTHER CONTROLS FURNISHED UNDER THIS CONTRACT, TO DESIGNATE THE EQUIPMENT CONTROLLED AND FUNCTION.
2. NAMEPLATES SHALL BE LAMINATED WHITE BAKELITE WITH 1/4" HIGH BLACK RECESSED LETTERS.
3. NAMEPLATES SHALL BE SECURELY ATTACHED TO THE EQUIPMENT WITH GALVANIZED SCREWS OR RIVETS.
4. ADHESIVES OR CEMENTS WILL NOT BE PERMITTED.

1 TYPICAL PANELBOARD NAMEPLATE DETAIL

NOT TO SCALE — LB-6

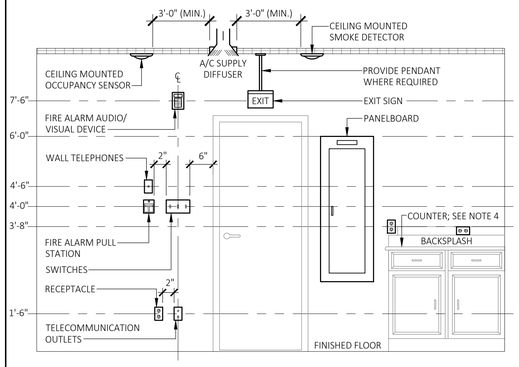


NOTES:

1. PANELS INCLUDE POWER PANELS, CONTACTORS, CONTROL CABINETS, DISCONNECT SWITCHES, MOTOR STARTERS, TIME CLOCKS AND SIMILAR ELECTRIC EQUIPMENT.
2. MINIMUM WORKING CLEARANCE (IN THE DIRECTION OF ACCESS TO LIVE PARTS) REQUIRED BY N.E.C. 110.26(A):
   -3 FT. FOR 0-150 VOLT TO GROUND ELECTRIC EQUIPMENT
   -3-1/2 FT. FOR 150-600 VOLT TO GROUND (CONDITION 2 "LIVE TO GROUND)
   -4FT. FOR 150-600 VOLT TO GROUND (CONDITION 2 "LIVE EQUIPMENT TO LIVE EQUIPMENT")
3. THE MINIMUM HEADROOM OF WORKING SPACE SHALL BE 6-1/2 FT.

2 ELECTRICAL EQUIPMENT CLEARANCES DETAIL

NOT TO SCALE — MISC-#

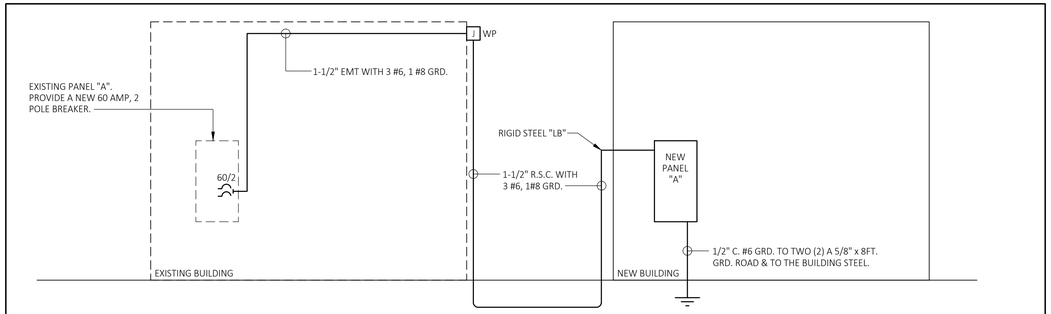


NOTES:

1. DEVICE LOCATIONS AND MOUNTING HEIGHTS SHALL BE CHECKED AGAINST THE ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO ROUGH-IN IN ORDER TO AVOID INTERFACES WITH CASEWORK, FURNITURE, WINDOWS, MIRRORS, EQUIPMENT, ETC.
2. LOCATIONS OF OUTLETS AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THE EXACT CENTER OF ALL OUTLETS SHALL BE PLACED IN COOPERATION WITH THE GENERAL CONTRACTOR AND ARCHITECT. CONTRACTOR SHALL EXAMINE ALL THE EXTERIOR DETAILS OF HE CONSTRUCTION DRAWINGS FOR OUTLET LOCATIONS NOT CONFORMING TO THE DETAIL ABOVE. WHERE DETAILED TO SPECIFIC LOCATIONS, THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE. IF AN OUTLET IS INSTALLED IN SUCH A LOCATION AS TO BE OUT OF PROPER RELATION TO BE CORRECTED BY AT THE EXPENSE OF THE CONTRACTOR UNDER THE DIRECTION OF THE ARCHITECT OR ENGINEER.
3. DEVICES SHALL BE CENTERED IN A COMMON VERTICAL PLANE. HEIGHT SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS, AND FIRE ALARM SIGNALS. COORDINATE LOCATIONS WITH MATERIALS SUCH AS MASONRY UNITS.
4. REFER TO THE ARCHITECTS ELEVATION DETAILS FOR EXACT MOUNTING HEIGHT AND LENGTH OF SURFACE RACEWAYS. RECEPTACLE MOUNTING HEIGHT ABOVE COUNTERS SHALL BE COORDINATED WITH CASEWORK HEIGHTS.

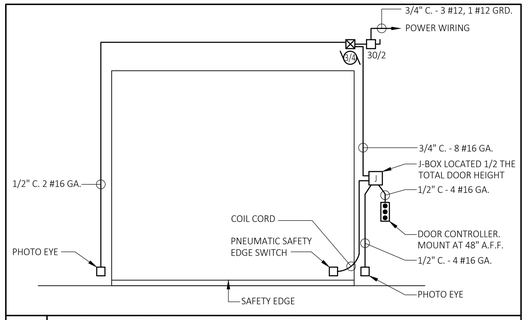
3 TYPICAL DEVICE MOUNTING HEIGHTS DETAIL

NOT TO SCALE — EL-1



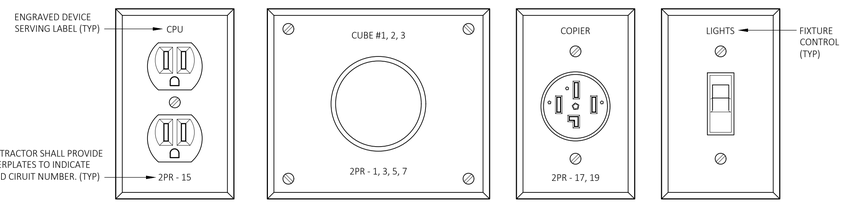
5 PANEL "A" FEEDER SCHEMATIC

NOT TO SCALE — LB-2



6 OVERHEAD DOOR SCHEMATIC

NOT TO SCALE — LB-6

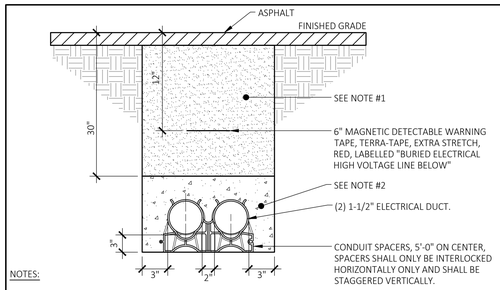


NOTE:

1. GENERAL RECEPTACLES AND COVERPLATES SHALL BE OF COLOR AS SELECTED BY ARCHITECT, UNLESS OTHERWISE INDICATED.

4 TYPICAL LABELING SYSTEM FOR DEVICE PLATES DETAIL

NOT TO SCALE — LB-2



NOTES:

1. BACK FILL DUCT BANK WITH SELECT FILL.
2. CONCRETE ENCASEMENT MINIMUM 3" ON ALL SIDES.

7 ELECTRICAL DUCTBANK "A-A"

NOT TO SCALE

FINAL DRAWINGS: ISSUED FOR BIDDING MARCH 6, 2020

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NOTES:

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DETAILS

REVISIONS

DRAWN: D.D.	DATE: MARCH 6, 2020
CHK BY: G.D.	JOB NO: 19057

E3.0

SHEET 5 OF 5