MEN'S REENTRY CENTER
MAINE DEPARTMENT OF CORRECTIONS
64 BASE ROAD, MACHIASPORT, MAINE 04655

ARCHITECTURE / ENGINEERING

SMRT ARCHITECTS & ENGINEERS
75 WASHINGTON AVE
PORTLAND, ME 04102
TEL. 1.877.700.7678

CIVIL ENGINEERING

SEBEGO TECHNICS
75 JOHN ROBERS ROAD
SOUTH PORTLAND, ME 04106
TEL. 207.200.2100

KITCHEN

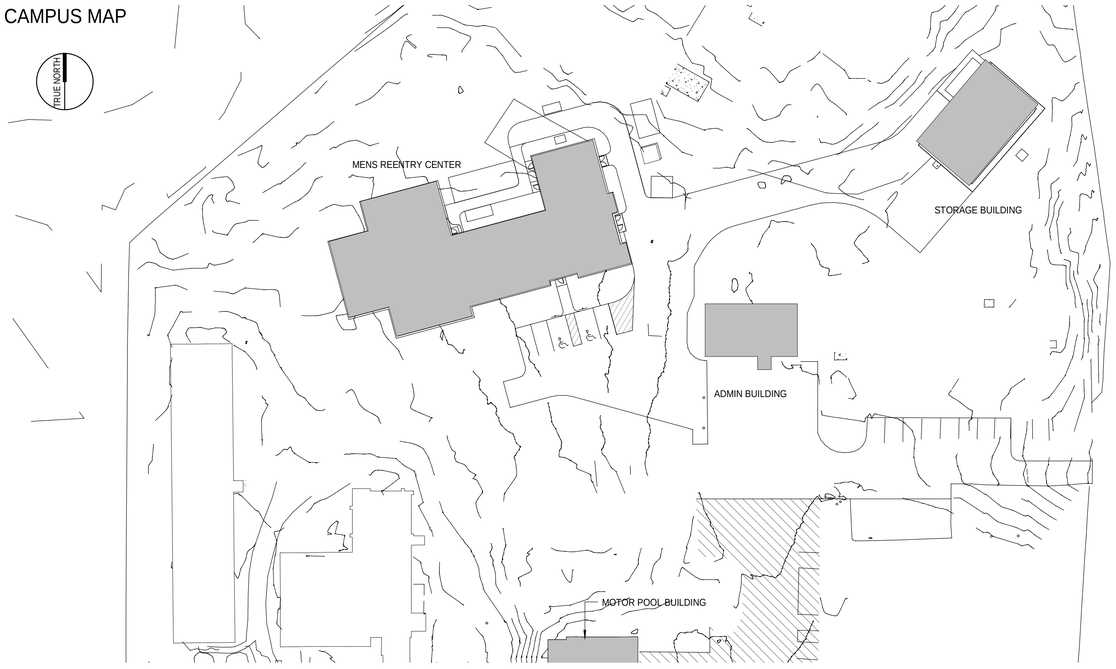
S1 FOOD SERVICE CONSULTING
231 HOMEWOOD DRIVE
BOILINGBROOK, IL 60040
TEL. (630) 783-9232

GENERAL NOTES:

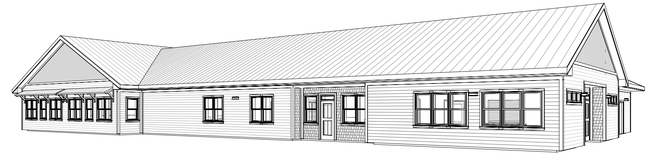
1. FIELD VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR INCONSISTENCIES. FAILURE TO REPORT ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS TO THE ARCHITECT WILL NOT BE GROUNDS FOR ADDITIONAL COST OR CHANGE ORDERS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS (UNLESS NOTED OTHERWISE), AND WORKMANSHIP IN ACCORDANCE WITH FEDERAL, STATE, CITY, AND LOCAL BUILDING CODES AND THIER REQUIREMENTS.
3. CONTRACTOR AND ALL TRADES SHALL NOTE REQUIREMENTS OF "GENERAL NOTES" ON ALL SHEETS.
4. EACH TRADE TO PROVIDE SMOKE OR FIRE SEALANT AT PENETRATIONS AS REQUIRED FOR WALL TYPE (UNLESS NOTED OTHERWISE). ALL SEALANT, FIRE STOPPING AND SMOKE STOPPING ASSEMBLIES SHALL BE U.L. RATED.
5. REFER TO ALL CONSTRUCTION DOCUMENTS FOR REQUIREMENTS WHICH MAY AFFECT THE WORK IN ANOTHER AREA AND/OR DISCIPLINE AND COORDINATE.
6. PROVIDE BLOCKING IN WALLS AS NECESSARY WHERE CASEWORK, FURNITURE, SHELVES, HANDRAILS, AND/OR OTHER MISC. EQUIPMENT IS LOCATED.
7. REFER TO G-004 SHEET FOR GENERAL MOUNTING HEIGHTS.
8. DO NOT SCALE CONSTRUCTION DOCUMENTS.
9. PROVIDE MEANS "FURNISH AND INSTALL".
10. ELEVATION 100'-0" ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 184'-0" ON CIVIL DRAWINGS.

DRAWING LIST

CAMPUS MAP



LOCATION MAP



MEN'S REENTRY CENTER - PERSPECTIVE VIEW A1

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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08-14-20

CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

COVER SHEET

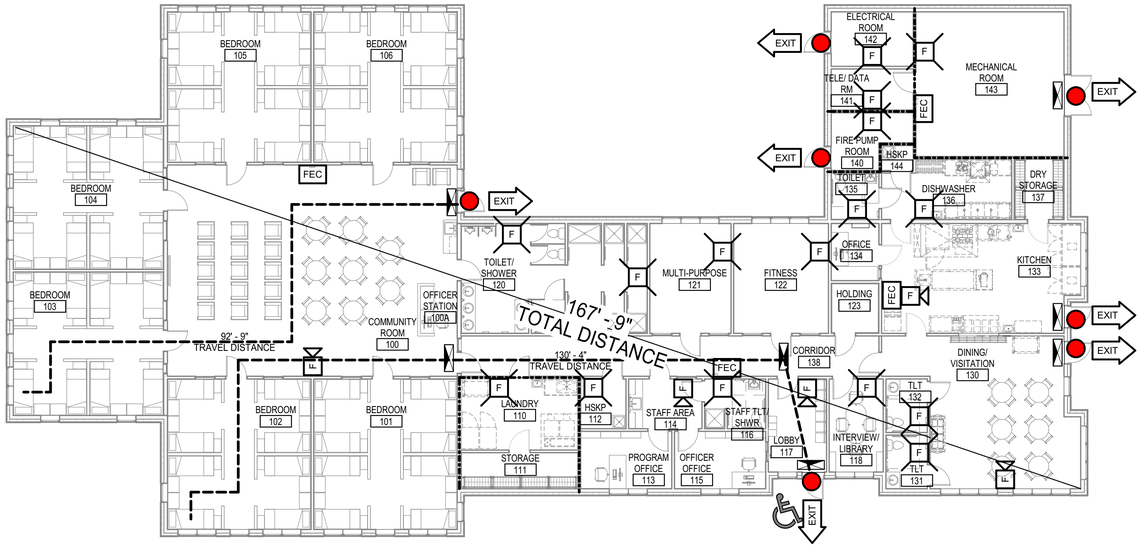
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

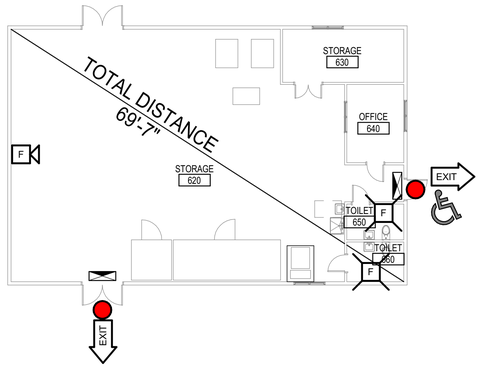
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM	GI001	
DRAWN BY:	CAH/CBM		
SMRT FILE:	GI001-19176	SHEET No.	

24x36



MEN'S REENTRY BUILDING CODE COMPLIANCE PLAN F7

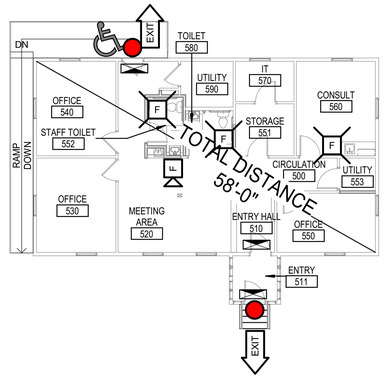
3/32" = 1'-0"



STORAGE OCCUPANCY: 2, 520 SF/300 SF = 9 OCCUPANTS

STORAGE BUILDING CODE COMPLIANCE PLAN A12

3/32" = 1'-0"



BUSINESS OCCUPANCY: 1, 385 SF/100 SF = 14 OCCUPANTS

ADMINISTRATION BUILDING CODE COMPLIANCE PLAN A8

3/32" = 1'-0"

PLUMBING FIXTURE COUNT:

REENTRY CENTER:		
HOUSING (R-2)	WC MALE 1 PER 10, 1 ADDL PER 25	**3 WC'S TOTAL**
(48 MALE RESIDENTS)	WC FEMALE 1 PER 8, 1 ADDL PER 20	NO FEMALE RESIDENTS
	URINAL 1 PER 25 = 48 MALE RESIDENTS	**2 URINALS TOTAL**
	LAV MALE 1 PER 12, 1 ADDL PER 20	**3 LAVS TOTAL (5 ACTUAL)**
	LAV FEMALE 1 PER 12, 1 ADDL PER 15	NO FEMALE RESIDENTS
	SHOWER 1 PER 8	**6 SHOWERS TOTAL**
	1 DF PER 150	**1 WATER**
	1 SERVICE SINK	**1 SERVICE SINK**
BUSINESS	WC MALE/FEMALE	**2 WC TOTAL**
	URINAL	**1 URINAL**
	LAV MALE/FEMALE	**2 LAV TOTAL**
	1 DF PER 150	**1 WATER**
	1 SERVICE SINK	**1 SERVICE SINK**
DINING/VISITOR (A-2)	WC MALE 1 PER 50	**1 WC TOTAL**
	WC FEMALE 1 PER 25	**1 WC TOTAL**
	URINAL	**1 URINAL**
	LAV MALE/FEMALE	**2 LAV TOTAL**
	1 DF PER 150	**1 WATER**
	1 SERVICE SINK	**1 SERVICE SINK**
ADMIN BUILDING:	WC MALE/FEMALE	**2 WC TOTAL**
	URINAL	**1 URINAL**
	LAV MALE/FEMALE	**2 LAV TOTAL**
	1 DF PER 150	**1 WATER**
	1 SERVICE SINK	**1 SERVICE SINK**
STORAGE BUILDING:	WC MALE/FEMALE	**2 WC TOTAL**
	LAV MALE/FEMALE	**2 LAV TOTAL**
	1 DF PER 250	**1 WATER**
	1 SERVICE SINK	**1 SERVICE SINK**

FIRE AND LIFE SAFETY CODE REVIEW AND ANALYSIS

PROJECT DESCRIPTION:
PROJECT CONSISTS OF A NEW 9,600 S.F. SINGLE-STORY RESIDENTIAL BUILDING WITH ASSOCIATED PROGRAM AND SUPPORT SPACES TO BE CONSTRUCTED ON LAND OWNED BY THE STATE OF MAINE, ON THE FORMER DOWNEAST CORRECTIONAL FACILITY SITE ON BASE ROAD IN MACHIASPORT. THE BUILDING WILL HOUSE 48 MALE COMMUNITY AND MINIMUM CUSTODY OFFENDERS. THE NEW BUILDING WILL ALSO CONTAIN ADMINISTRATIVE SPACE, A DINING/VISITATION ROOM, FITNESS AND MULTIPURPOSE ROOMS, COMMERCIAL KITCHEN AND LAUNDRY. THE PROJECT ALSO CONSISTS OF THE RENOVATION OF AN EXISTING 1,385 S.F., SINGLE-STORY, ADMINISTRATION BUILDING THAT WILL CONTAIN OFFICES, CONFERENCE SPACE AND A CONSULT ROOM AND LIGHTLY-RENOVATED, 2,520 S.F., SINGLE-STORY, STORAGE BUILDING THAT WILL CONTAIN A WALK-IN FREEZER AND COOLER, LAUNDRY EQUIPMENT, AND LOW-HAZARD STORAGE.

APPLICABLE CODES AND STANDARDS:
MUBEC (MAINE UNIFORM BUILDING AND ENERGY CODE, INTERNATIONAL BUILDING CODE, IBC), 2015 EDITION (AMENDED JANUARY 23, 2018) NATIONAL FIRE PROTECTION ASSOCIATION, (NFPA), LIFE SAFETY CODE 101, 2018 EDITION ADAAG (ADA ACCESSIBILITY GUIDELINES) 2010 IMC (INTERNATIONAL MECHANICAL CODE) 2015 UNIFORM PLUMBING CODE, 2015 NEC (NATIONAL ELECTRICAL CODE) 2017 IECC (INTERNATIONAL ENERGY CONSERVATION CODE) 2009 (AMENDED JANUARY 23, 2018).

BUILDING USE:
MEN'S REENTRY CENTER - RESIDENTIAL HOUSING
STORAGE BUILDING - STORAGE
ADMINISTRATION BUILDING - BUSINESS

SPRINKLERED:
FULLY THROUGHOUT IN ACCORDANCE WITH IBC 903 (SECTION 903.2) AND NFPA 13R (REENTRY)

USE GROUP CLASSIFICATION:
IBC: R-2 (REENTRY); S-2 (STORAGE, LOW HAZARD); B (ADMIN)
NFPA: CHAPTER 28 - NEW HOTELS AND DORMITORIES (REENTRY), STORAGE (STORAGE), BUSINESS (ADMIN)

SPECIFIC OCCUPANCY AREAS/HAZARDOUS AREA PROTECTION:
IBC: CHAPTER 5, TABLE 508.2
NFPA: CHAPTER 28

TYPE OF CONSTRUCTION:

REENTRY	STORAGE	ADMIN
IBC: TYPE V-B	IBC: TYPE V-B	IBC: TYPE V-B
NFPA 101: TYPE V, 000	NFPA 101: TYPE V, 000	NFPA 101: TYPE V, 000

FIRE RESISTANCE:
RATING OF BUILDING ELEMENTS, IBC TABLE 601 (NEW REENTRY BUILDING)

PRIMARY STRUCTURAL FRAME:	0 HOURS
BEARING WALLS	
INTERIOR:	0 HOURS
EXTERIOR:	0 HOURS
NONBEARING WALLS AND PARTITIONS:	0 HOURS
FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	0 HOURS
ROOF CONSTRUCTION AND SECONDARY MEMBERS:	0 HOURS

FIRE SEPARATION ASSEMBLIES:

EXIT CORRIDORS (TABLE 1020.1):
0.5 HOURS (FULLY SPRINKLERED)

BUILDING HEIGHT: 60' ACTUAL: 22' - 7"
BUILDING HEIGHT ALLOWABLE (IBC TABLE 504.3)
ALLOWABLE WTIH AUTOMATIC SPRINKLER SYSTEM (300% FOR SINGLE STORY BUILDING)

	ALLOWABLE	ACTUAL
R-2	3 STORY	1 STORY

BUILDING AREA:
BUILDING AREA ALLOWABLE (IBC TABLE 506.2)

	ALLOWABLE	ACTUAL
R-2	28,000 S.F.	9,600 S.F.

USING USE GROUP R-2, THE SPRINKLER INCREASE TO 28,000 S.F. EXCEEDS THE BUILDING SQUARE FOOTAGE, THEREFORE THE FRONTAGE INCREASE DOES NOT NEED TO BE INCLUDED.

MEANS OF EGRESS:
MEANS OF EGRESS (IBC CHAPTER 10, NFPA CHAPTER 22) (NEW REENTRY BUILDING)

		OCCUPANT LOAD
BUSINESS AREAS:	(1094 S.F./100 S.F.)	11
ASSEMBLY AREAS:		
(ACCESSORY TO BUSINESS OCCUPANCY)	(1842 S.F./15 S.F.)	122.8 (ACTUAL WILL
BE 84 - 48 RESIDENTS IN DAYROOM PLUS 1 STAFF)		
MECHANICAL/ELECTRICAL/STORAGE AREAS:	(829 S.F./300 S.F.)	3
COMMERCIAL KITCHEN (AND LAUNDRY):	(984 S.F./200 S.F.)	5
HOUSING AREAS (R-2): (SLEEPING AREAS)	(120 S.F. EACH)	48
TOTAL OCCUPANTS:	**190 (ACTUAL 151)**	

EGRESS CAPACITY:
EXIT ACCESS CORRIDOR WIDTH: 44" MINIMUM CLEAR
DOOR WIDTH: 32" MINIMUM CLEAR
BUILDING HAS EXCESS OF 5 EXIT DOORS.

ARRANGMENT:
DEAD END CORRIDOR: 50'
EXIT ACCESS TRAVEL DISTANCE: 300' IN BUSINESS OCCUPANCY AND **200'** IN R-2
MAXIMUM COMMON PATH OF TRAVEL: 100' IN BUSINESS OCCUPANCY AND 75' IN OTHER AREAS.

ILLUMINATION OF MEANS OF EGRESS:
EMERGENCY LIGHTING WILL BE PROVIDED BY AN ESSENTIAL ELECTRICAL SYSTEM UTILIZING EMERGENCY POWER GENERATION AND CONFORMING WITH THE REQUIREMENTS OF NFPA 99.

INTERIOR FINISH:

WALL AND CEILING FINISHES:	IBC TABLE 803.11
EXIT ACCESS CORRIDORS:	CLASS C FOR R-2 AND BUSINESS AND CLASS B FOR ASSEMBLY
ROOMS AND ENCLOSURE SPACES:	CLASS C
FLOOR FINISHES:	CLASS II

DETECTION, ALARM AND COMMUNICATIONS SYSTEMS:
IBC CHAPTER 9, NFPA 101 CHAPTERS 7, 9 AND 22
A FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 101, 9.6 IS REQUIRED. THIS SYSTEM SHALL BE EQUIPPED WITH SECONDARY POWER SUPPLY IN ACCORDANCE WITH NFPA 101, 9.6.1.3.

NOTIFICATION:
OCCUPANT AUTOMATIC NOTIFICATION REQUIRED IN CONFORMANCE WITH NFPA 101, 9.6.4.

DETECTION:
NFPA 101, SECTON 9.6.

LIFE SAFETY LEGEND

- 2 HOUR RATED FIRE BARRIER
- 1 HOUR RATED FIRE BARRIER
- 1 HOUR RATED SMOKE BARRIER
- SMOKE PARTITION
- EXIT DISCHARGE
- S — SMOKE CONTAINMENT BARRIER
- STANDPIPE OR HOSE VALVE CABINET
- FIRE DEPT. CONNECTION
- 172' — TRAVEL DISTANCE
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER WALL HUNG
- EXIT — EGRESS DOOR
- ACCESSIBLE ENTRY/EGRESS
- F — FIRE ALARM VISIBLE ONLY NOTIFICATION INDICATOR
- F — FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION INDICATOR
- EXIT SIGN

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Jessica G. Johnson
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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

CODE COMPLIANCE PLAN

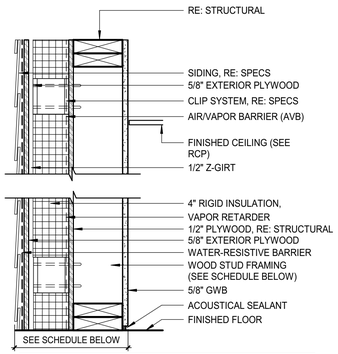
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM	GI002	
DRAWN BY:	CAH/CBM		
SMRT FILE:	GI002-19176	SHEET No.	

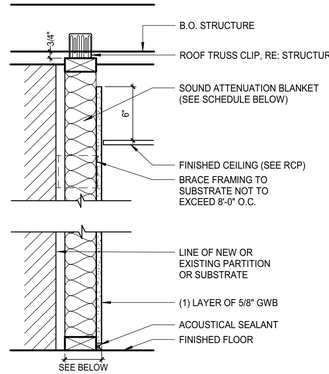
24x36



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
W1	5-1/2"	12-1/2"	NONE	2X6 NOMINAL R = 20.5 MIN.

W1 EXTERIOR WALL

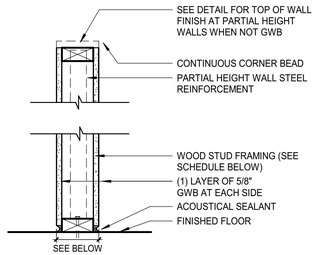
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
F4a	3-1/2"	4-1/8"	FULL DEPTH	2X4 NOMINAL

Fa NON-RATED PARTITION

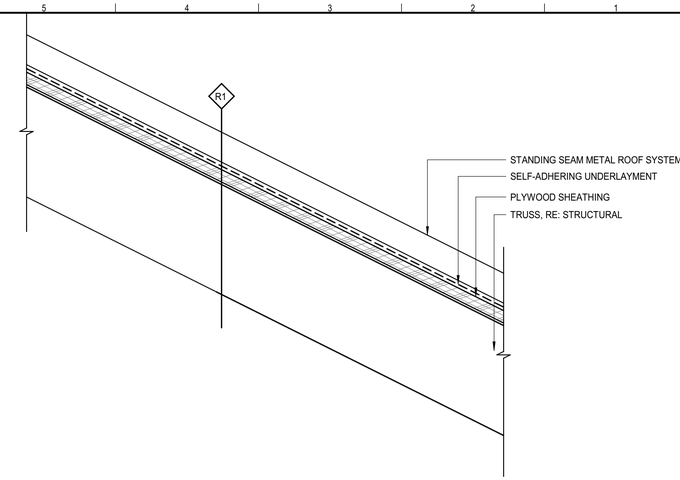
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
P4	3-1/2"	4-3/4"	NONE	N/A

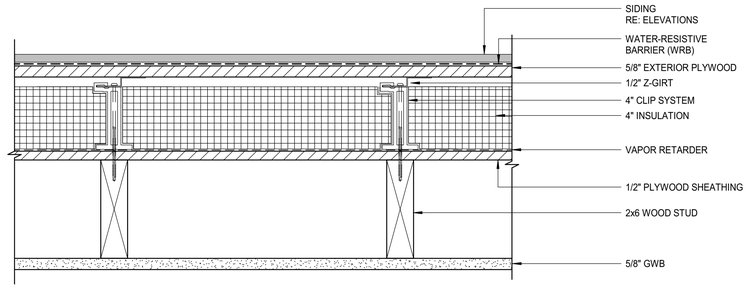
P NON-RATED PARTITION

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



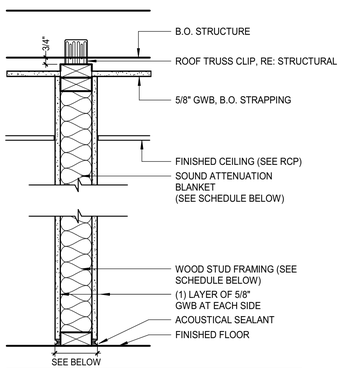
ROOF TYPE H1

3" = 1'-0"



EXTERIOR WALL PLAN DETAIL F1

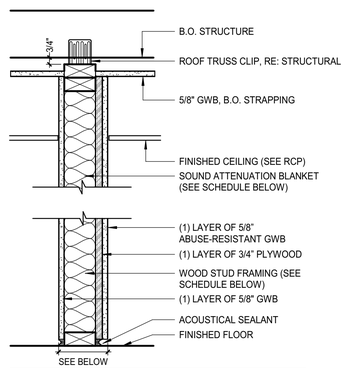
3" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
S4a	3-1/2"	4-3/4"	FULL DEPTH	2x4 NOMINAL
S6a	5-1/2"	6-3/4"	FULL DEPTH	2x6 NOMINAL

Sa NON-RATED PARTITION (TYP)

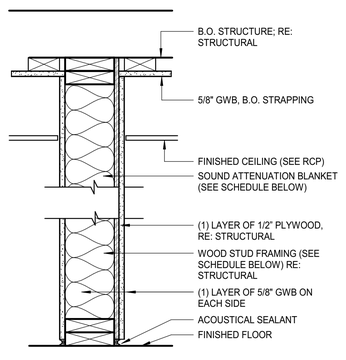
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
S4b	3-1/2"	4-3/4"	FULL DEPTH	2x4 NOMINAL

Sb SECURE PARTITION

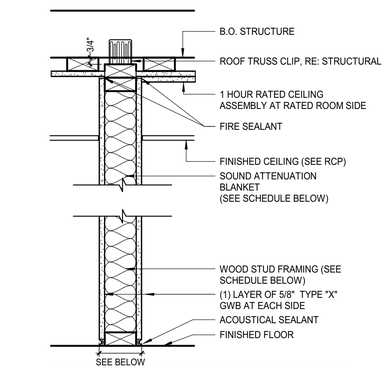
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
S6c	5-1/2"	7-1/2"	FULL DEPTH	2x6 NOMINAL

Sc LOAD-BEARING PARTITION

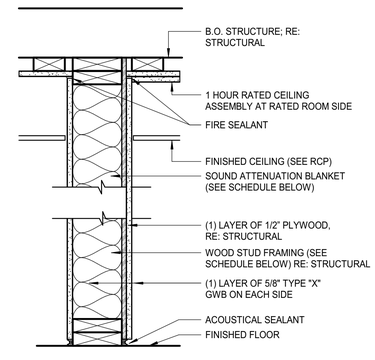
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
X4a	3-1/2"	4-3/4"	FULL DEPTH	2x4 NOMINAL U.L. U305
X6a	5-1/2"	6-3/4"	FULL DEPTH	2x6 NOMINAL

Xa 1 HOUR RATED PARTITION (TYP)

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



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	KEYED NOTES
X6c	5-1/2"	7-1/2"	FULL DEPTH	2x6 NOMINAL U.L. U305
X6ca	5-1/2"	7-1/2"	FULL DEPTH	2x6 NOMINAL U.L. U305 ACOUSTICALLY ENHANCED GWB

Xc 1 HOUR RATED PARTITION - LOAD-BEARING

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

PARTITION TYPES A1

1 1/2" = 1'-0"

PARTITION GENERAL NOTES:

NOTE: SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:

FIRE RATED PARTITIONS AND SMOKE BARRIERS: SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE DIVISION 07 SPECIFICATION SECTIONS FOR PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF SMOKE BARRIERS.

PARTITIONS DESIGNED TO RESIST THE PASSAGE OF SMOKE: SEAL COMPLETELY WITH ELASTOMERIC SEALANT. FOR THE LOCATION AND EXTENT REFER TO CODE COMPLIANCE DRAWINGS.

OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.

FOR ALL NON-RATED PARTITIONS, CLOSE THE VOID BETWEEN PARTITION AND UNDERSIDE OF FLOOR OR ROOF DECK WITH MINERAL WOOL (SAFING INSULATION) AND PROVIDE 1/2" DEEP NON-SAG ACOUSTICAL SEALANT, BEADED.

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Jessica G. Johnson
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STATE OF MAINE
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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

WALL TYPES, ROOF TYPES AND TOP OF WALL DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

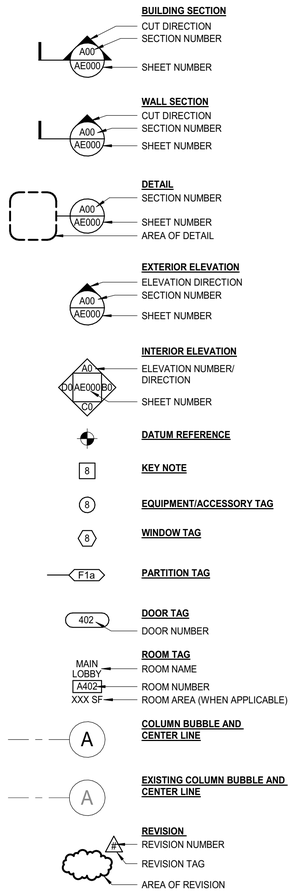
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	GI003-19176	SHEET No.	GI003

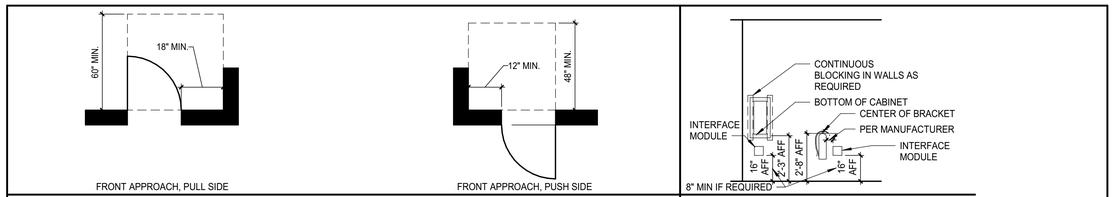
24x36

ABBREVIATIONS:

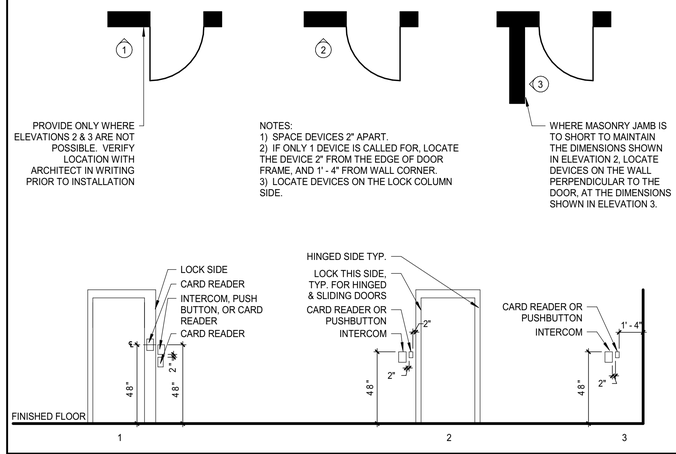
AB	ANCHOR BOLT	L	ANGLE / LENGTH
A/C	AIR CONDITIONING	LF	LEFT
ACCU	AIR CONDITIONING CONDENSER UNIT	LINO	SHEET LINOLEUM
ACPLAS	ACCOUSTICAL PLASTER	LL	LIVE LOAD
ACT	ACOUSTIC CEILING TILE	LLH	LONG LEG HORIZONTAL
AFF	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
AGG	AGGREGATE	LP	LIGHTING PANEL / LIQUIFIED PROPANE
ALT	ALTERNATE		
AP	ACCESS PANEL	MAX	MAXIMUM
APROX	APPROXIMATE	MB	MARKER BOARD
ARCH	ARCHITECTURAL	MDO	MEDIUM DENSITY OVERLAY
AVB	AIR AND VAPOR BARRIER	MECH	MECHANICAL
		MFR	MANUFACTURER
BCX	BOTTOM CORD EXTENSION	MIN	MINIMUM
BD	BOARD	MISC	MISCELLANEOUS
BIT	BITUMINOUS	MO	MASONRY OPENING
BLDG	BUILDING	MR	MOISTURE-RESISTANT
BLP	BORROWED LIGHT PANEL	MUA	MAKE-UP AIR
BO	BOTTOM OF		
BOF	BOTTOM OF FOOTING	N	NOSING
BOS	BOTTOM OF STEEL	NCB	NEW CATCH BASIN
BOT	BOTTOM	NDMH	NEW DRAIN MANHOLE
BRDG	BRIDGING	NFM	NEW FORCE MAIN
BRG	BEARING	NIC	NOT IN CONTRACT
BS	BOTH SIDES	NS	NEAR SIDE
BSE	BRICK SHELF ELEVATION	NSD	NEW STORM DRAIN LINE
		NSS	NEW SANITARY SEWER LINE
C	CHANNEL	NTS	NOT TO SCALE
CB	CATCH BASIN / CHALKBOARD	NW	NEW WATER LINE
CEM BD	CEMENTITIOUS BACKER BOARD		
CFM	CUBIC FEET PER MINUTE	OC	ON CENTER
CIP	CAST IN PLACE	OF	OUTSIDE FACE
CJ	CONTROL JOINT / CONSTRUCTION JOINT	OH	OVERHEAD
CL	CENTER LINE		
CLL	CONTRACT LIMIT LINE	PA	PUBLIC ADDRESS
CLR	CLEAR	PAF	POWER-ACTUATED FASTENER
CMU	CONCRETE MASONRY UNIT	PDU	POOL DEHUMIDIFICATION UNIT
COL	COLUMN	PL	PLATE / PROPERTY LINE
CONC	CONCRETE	PLAM	PLASTIC LAMINATE
CONT	CONTINUOUS	PLF	POUNDS PER LINEAR FOOT
CT	CERAMIC TILE	PP	POWER PANEL
CUH	CABINET UNIT HEATER	PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
D	DIAMETER	PT	PRESSURE-TREATED
DBL	DOUBLE	PVC	POLYVINYL CHLORIDE
DF	DRINKING FOUNTAIN	PVMT	PAVEMENT
DL	DEAD LOAD		
DR	DISPLAY RAIL	R	RISER / RADIUS
DTL	DETAIL	RB	RESILIENT BASE
DW	DISHWASHER	RD	ROOF DRAIN
DWG	DRAWING	REINF	REINFORCED
		REQ'D	REQUIRED
EA	EACH	RT	RIGHT
EF	EXHAUST FAN / EACH FACE	RO	ROUGH OPENING
EJ	EXPANSION JOINT	ROW	RIGHT OF WAY
EL	ELEVATION	RR	RUB-RAIL
ELEC	ELECTRICAL	RTU	ROOF TOP UNIT (HVAC)
EOP	EDGE OF PAVEMENT		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	SACT	SUSPENDED ACOUSTIC TILE CEILING
EQ	EQUAL	SC	SOLID CORE
EW	EACH WAY	SF	SQUARE FOOT / SUPPLY FAN
EWC	ELECTRIC WATER COOLER	SFRM	SPRAYED FIRE-RESISTIVE MATERIAL
EXIST	EXISTING	SHT	SHEET
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SK	SHEAR KEY
		SN	SANITARY NAPKIN (DISPENSER)
FB	FLAT BAR	SP	SPECIAL
FBO	FURNISHED BY OTHERS	SS	STAINLESS STEEL
FCO	FLOOR CLEA-OUT	STA	STATION
FD	FLOOR DRAIN	STL	STEEL
FE	FIRE EXTINGUISHER	STRUC	STRUCTURAL
FEC	FIRE EXTINGUISHER CABINET		
FF	FINISH FLOOR / FAR FACE	T	TREAD
FFE	FINISH FLOOR ELEVATION	TB	TACKBOARD
FO	FRAMED OPENING	T&B	TOP AND BOTTOM
FRP	FIBER REINFORCED PLASTIC	TBM	TEMPORARY BENCHMARK
FS	FAR SIDE	TCE	TOP CHORD EXTENSION
FTG	FOOTING	TJ	TIE JOIST
		TO	TOP OF
GA	GAUGE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOF	TOP OF FOOTING
GB	GRAB BAR	TOM	TOP OF MASONRY
GC	GENERAL CONTRACTOR	TOP	TOP OF PIER
GDT	GYPSUM DROP-IN TILE	TOS	TOP OF STEEL
GV	GRAVITY VENT	TOW	TOP OF WALL
GWB	GYPSUM WALL BOARD	TP	TOILET PAPER (DISPENSER) / TEST PIT
		TS	TUBE STEEL
H	HORIZONTAL	TYP	TYPICAL
HC	HANDICAPPED / HOLLOW CORE		
HORIZ	HORIZONTAL	UH	UNIT HEATER
HM	HOLLOW METAL	UNO	UNLESS NOTED OTHERWISE
HRU	HEAT RECOVERY UNIT		
H&V	HEATING AND VENTILATING	V	VENT PIPE / VERTICAL
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	VB	VAPOR BARRIER
		VCT	VINYL COMPOSITION TILE
I	INCLUDED ANGLE	VERT	VERTICAL
ID	INSIDE DIAMETER	VP	VISION PANEL
IF	INSIDE FACE	VTR	VENT THROUGH THE ROOF
IJ	ISOLATION JOINT		
IMP	IMPACT RESISTANT	W/	WITH
INS	INSULATED	WC	WATER CLOSET
INV	INVERT	WD	WOOD
		WF	WIDE FLANGE
JS	JOINT SUBSTITUTE	WH	WATER HEATER
		W/O	WITH OUT
K	KIPS	WP	WORKING POINT
		WRB	WEATHER RESISTIVE BARRIER
		WS	WEB STIFFENER
		WWF	WELDED WIRE FABRIC

SYMBOL LEGEND:



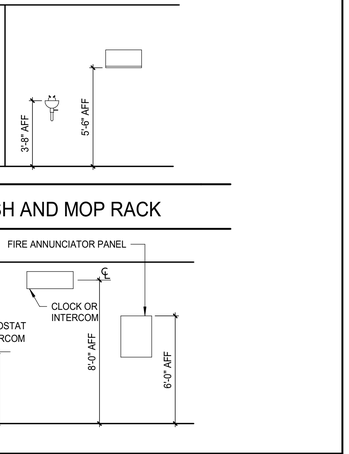


ADA DOOR CLEARANCES



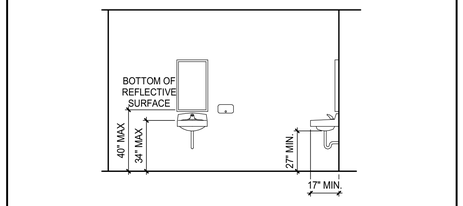
FRAME MOUNTED SECURITY DEVICE MOUNTING HEIGHTS

ELECTRONICALLY MONITORED FIRE EXTINGUISHERS

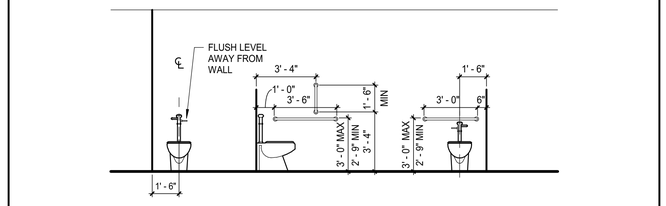


EYEWASH AND MOP RACK

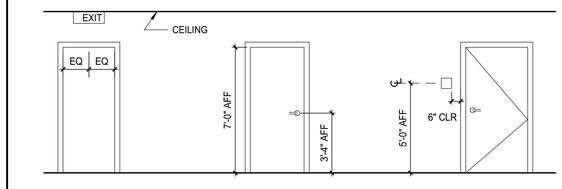
ELECTRICAL DEVICES



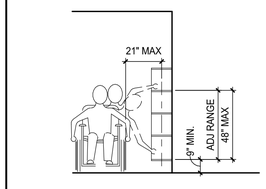
LAVATORY



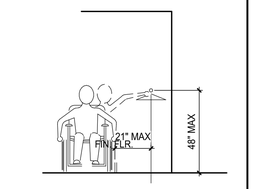
WATER CLOSET



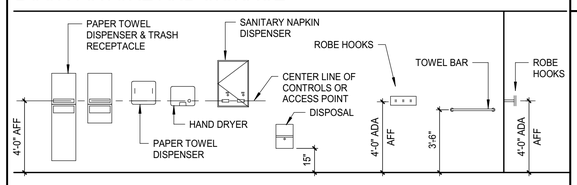
DOOR FIXTURE AND SIGNAGE



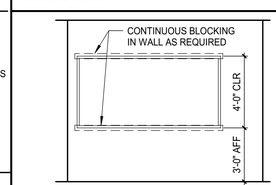
SHELVES



CLOSET ROD



ACCESSORIES



WHITEBOARD, TACKBOARD

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

LEGENDS, ABBREVIATIONS, AND MOUNTING HEIGHTS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	GI004-19176	SHEET No.	GI004

24x36

GENERAL NOTES

1. INSPECTION AND MAINTENANCE:
   - A. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION AND STORM WATER CONTROL MEASURES, AREAS USED FOR STORAGE THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE A WEEK AND BEFORE AND AFTER A STORM EVENT (RAINFALL), PRIOR TO COMPLETION OF PERMANENT STABILIZATION. A PERSON WITH KNOWLEDGE OF EROSION AND STORM WATER CONTROLS, INCLUDING THE STANDARDS IN THE MAINE CONSTRUCTION GENERAL PERMIT AND ANY DEP OR MUNICIPAL COMPANION DOCUMENTS, MUST CONDUCT THE INSPECTION. THIS PERSON MUST BE IDENTIFIED IN THE INSPECTION LOG. IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.
   - B. AN INSPECTION AND MAINTENANCE LOG MUST BE KEPT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME AND QUALIFICATIONS OF THE PERSON PERFORMING THE INSPECTION, DATE AND MAJOR OBSERVATIONS RELATING TO OPERATION OF EROSION AND SEDIMENTATION CONTROLS AND POLLUTION PREVENTION MEASURES. MAJOR OBSERVATIONS MUST INCLUDE: BMPS THAT NEED TO BE MAINTAINED, LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION. FOLLOW-UP TO CORRECT DEFICIENCIES OR ENHANCE CONTROLS MUST ALSO BE INDICATED IN THE LOG AND DATED, INCLUDING WHAT ACTION WAS TAKEN AND WHEN.
2. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT (PROVIDED UNDER SEPARATE COVER) FOR GENERAL SUBSURFACE CONDITIONS. GIVEN THE AGE OF THE SITE, EXISTING UTILITIES WILL BE ENCOUNTERED (SOME THAT ARE MARKED AND SOME THAT ARE NOT). CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT OF CORRECTIONS PRIOR TO AND DURING CONSTRUCTION TO REVIEW PROBABLE EXISTING UTILITIES. PROVIDE TEMPORARY SERVICES AS NEEDED TOGETHER WITH REMOVAL/ABANDONMENT OF THE UTILITIES.
3. DEMOLITION WORK HAS BEEN PARTIALLY COMPLETED BY OTHERS FOR BUILDING STRUCTURES. THE CONTRACTOR UNDER THIS BID SHALL BE RESPONSIBLE FOR ANY ADDITIONAL ABOVE OR BELOW GRADE DEMOLITION TO COMPLETE THE PROJECT IMPROVEMENTS INCLUDING BUT NOT LIMITED TO FOUNDATIONS, UTILITIES, SLABS, FENCING, GATE, PAVEMENT, MISC. STRUCTURES, LIGHTING, POLES, CURBING, UTILITY STRUCTURES AND ALL OTHER PHYSICAL IMPROVEMENTS ENCOUNTERED DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION COSTS.

GRADING & GEOTECHNICAL REPORT NOTES

1. SIDESLOPES SHALL NOT BE STEEPER THAN 3:1 (H:V) EXCEPT AS OTHERWISE IDENTIFIED ON THESE PLANS. ALL SIDESLOPES STEEPER THAN 3:1 (H:V) SHALL BE LINED WITH EROSION CONTROL BLANKET, OR ADDITIONAL MEASURES AS INDICATED.
2. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 4" LOAM, SEED AND MULCH.
3. BUILDING TO BE CONSTRUCTED WITH MINIMUM 6" BETWEEN FINISH FLOOR AND PROPOSED EXTERIOR GRADE EXCEPT AT ENTRANCES. COORDINATE WITH BUILDING DRAWINGS.
4. BORINGS SHOWN ARE REFERENCED FROM A DESIGN REPORT, 19-167705 S DATED DECEMBER 9, 2019, PRELIMINARY GEOTECHNICAL SERVICES, PROPOSED RE-ENTRY BUILDING, DOWNEAST CORRECTIONAL FACILITY, MACHIASPORT, MAINE. PREPARED BY S.W. COLE ENGINEERING SERVICES, INC. BY NATHAN D. STROUT, P.E. THE REPORT ALSO INCLUDES SUBSURFACE DATA AND NARRATIVE OF THE FINDINGS AND RECOMMENDATIONS.

TRAFFIC NOTES

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION. THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) MANUAL FOR BOTH WORK ZONE AND TRAFFIC CONTROL REQUIREMENTS SHALL APPLY.
2. CONTRACTOR SHALL MAINTAIN SAFE AND PASSABLE DRIVEWAY ACCESS AT ALL TIMES. TEMPORARY INTERRUPTIONS MAY BE ALLOWED WITH PROPERTY OWNER AUTHORIZATION.
3. CONTRACTOR IS RESPONSIBLE FOR INVENTORYING ALL SIGNS, MAILBOXES, STONE WALLS, ETC. PRIOR TO CONSTRUCTION AND SHALL RESTORE ALL FEATURES TO PRE-CONSTRUCTION CONDITION.
4. EMERGENCY VEHICLE ACCESS EGRESS MUST BE MAINTAINED AT ALL TIMES.

CONSTRUCTION NOTES

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD.
4. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OWNER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
6. CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.
7. CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESIGN DRAWINGS.
8. SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
9. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENT CONTROL BMPS" MANUAL PUBLISHED BY BUREAU OF LAND AND WATER QUALITY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES. REFER TO DETAIL EROSION CONTROL PLAN AND NOTES.
10. THE CONTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS BY THE SURVEYOR AND BY INFORMATION PROVIDED BY UTILITY COMPANIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT DIG SAFE (811) AT LEAST THREE (3) BUT NOT MORE THAN THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES.
11. CONTRACTOR SHALL BE AWARE THAT DIG SAFE ONLY NOTIFIES ITS "MEMBER" UTILITIES ABOUT THE DIG. WHEN NOTIFIED, DIG SAFE WILL ADVISE CONTRACTOR OF MEMBER UTILITIES IN THE AREA. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND CONTACTING NON-MEMBER UTILITIES DIRECTLY. NON-MEMBER UTILITIES MAY INCLUDE TOWN, CITY, STATE AND FEDERAL WATER AND SEWER DISTRICTS AND SMALL LOCAL UTILITIES, AS WELL AS USG PUBLIC WORKS SYSTEMS.
12. CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF 23 MRSA 3360-A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITIES TO OBTAIN AUTHORIZATION PRIOR TO RELOCATION OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS. IF A UTILITY CONFLICT ARISES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, THE MUNICIPALITY AND APPROPRIATE UTILITY COMPANY PRIOR TO PROCEEDING WITH ANY RELOCATION.
13. ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOWN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
14. ALL PAVEMENT JOINTS SHALL BE SAWCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.
15. NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A PERMIT FROM THE TOWN AS APPLICABLE.
17. THE PROPOSED LIMITS OF CLEARING SHOWN HEREON ARE APPROXIMATE BASED UPON THE PROPOSED LIMITS OF SITE GRADING. THE APPLICANT RESERVES THE RIGHT TO PERFORM NORMAL FOREST MANAGEMENT ACTIVITIES OUTSIDE OF THE CLEARING LIMIT AS SHOWN. TREE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR TREE LIMBS. THIS REMOVAL IS DUE TO POTENTIAL SAFETY HAZARDS AND TO PROMOTE PROPER FOREST GROWTH.
18. IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.
19. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK CAUSED BY THE CONTRACTOR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR AS DIRECTED BY THE OWNER ALL SUCH DAMAGED OR DEFECTIVE MATERIALS NOT CAUSED BY THE OWNER OR PRISONERS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
20. ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.
21. WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF SEBAGO TECHNICS, INC.
22. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR THE WORK UNTIL TURNED OVER TO THE OWNER.
23. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
24. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION OF APPROVED PLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OWNER.
25. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. ANY MODIFICATION TO SUIT FIELD DIMENSION AND CONDITION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
26. BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLACE PRIVATE OR PUBLIC PROPERTY WHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION, CLEAN THE AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAVE BEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT AREA NEAT AND PRESENTABLE.
27. ALL SUBSURFACE UTILITY LINES SHOWN HEREON ARE BASED SOLELY ON THE FIELD LOCATION OF VISIBLE STRUCTURES, SMH'S, CB'S, HYDRANTS, ETC.. IN CONJUNCTION WITH DESIGN AND OR AS-BUILT PLANS SUPPLIED TO SEBAGO TECHNICS INC. BY OTHERS. PRIOR TO ANY CONSTRUCTION, EXCAVATION, TEST BORINGS, DRILLING, ETC., DIG SAFE MUST BE NOTIFIED AND A SITE IDENTIFICATION NUMBER ALONG WITH A SAFE TO DIG DATE OBTAINED. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATION, DEPTH AND MATERIAL OF ALL SUBSURFACE UTILITY LINES SHOWN HEREON AND ANY AND ALL OTHERS LOCATED ON SITE WITHIN THE CONSTRUCTION AREA.
28. ALL EXISTING AND PROPOSED CATCH BASINS, MANHOLES, CONNECTIONS, CONDUIT AND PIPING SHALL BE CLEANED AND LEFT IN NEW OPERATING CONDITION AFTER CONSTRUCTION HAS BEEN COMPLETED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
29. ALL LAWN AREAS, WALKWAYS, AND DRIVEWAYS OUTSIDE THE WORK AREA, DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE.
30. EXISTING DRAINAGE STRUCTURES SHALL NOT BE DISTURBED UNLESS OTHERWISE NOTED IN THE DRAWINGS OR APPROVED BY THE ENGINEER.
31. THE CONTRACTOR IS REQUIRED TO PROVIDE A SECURE PROJECT WORK AREA. ALL PIPE TRENCH EXCAVATIONS SHALL BE BACKFILLED AND "CLOSED" DURING CONTRACTOR NON-WORKING HOURS INCLUDING NIGHTS, HOLIDAYS AND WEEKENDS. THE CONTRACTOR MAY REQUEST IN WRITING TO THE ENGINEER AND OWNER TO SECURE OPEN EXCAVATION IN LIEU OF BACKFILLED AND "CLOSED." NOT ALLOWING A SECURE OPEN EXCAVATION SHALL NOT BE A BASIS FOR CLAIMS AGAINST THE OWNER.
32. CONTRACTOR SHALL COMPLETE WORK SPECIFIED ON EACH PLAN AND SHALL COORDINATE WORK WITH ENTIRE PROJECT PLAN SET.

UTILITY NOTES

1. ALL GRAVITY CONDUIT PIPES SHALL BE INSTALLED USING A PIPE LASER AND TARGET SYSTEM THROUGH THE PIPE. ON PIPE RUNS 50 FEET OR LESS, THE CONTRACTOR SHALL REQUEST ENGINEER'S APPROVAL TO USE A GROUND LASER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK BETWEEN DIFFERENT UTILITIES IN CLOSE PROXIMITY. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF ANY DEVIATION FROM THE DESIGN PLANS.
3. MAINTAIN MINIMUM 6'-0" OF COVER ABOVE TOP OF WATER SERVICE PIPE.
4. MAINTAIN MINIMUM 10 FEET HORIZONTAL SEPARATION BETWEEN WATER SERVICES AND OTHER UTILITIES. MAINTAIN MINIMUM 12 INCHES VERTICAL SEPARATION BETWEEN WATER SERVICES AND OTHER UTILITIES.
5. LOWER WATER SERVICES AS REQUIRED TO MAINTAIN MINIMUM 12 INCH VERTICAL SEPARATION FROM OTHER UTILITIES. WATER SERVICES CROSSING SEWERS SHALL BE PROVIDE 12 INCH MINIMUM SEPARATION BETWEEN THE BOTTOM OF WATER LINE AND TOP OF SEWER UNLESS NOTED OTHERWISE ON THE PLANS.
6. PIPE:
   - SEWER PIPE SHALL BE SDR 35 PVC OR APPROVED EQUAL.
   - STORMDRAIN SHALL BE ADS N-12 DUAL WALL HDPE PIPE WITH SMOOTH-WALLED INTERIOR OR APPROVED EQUAL UNLESS NOTED OTHERWISE ON THE UTILITY PLANS.
   - FIRE WATER SERVICE PIPE AND FITTINGS SHALL CONFORM TO WATER PIPING SPECIFICATIONS.
   - DOMESTIC WATER SERVICE REFER TO WATER PIPING SPECIFICATION.
   - REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. COORDINATE FOUNDATION UNDERDRAIN LOCATIONS WITH STRUCTURAL DRAWINGS.
9. COORDINATE UTILITY INVERTS AT BUILDING WITH STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY GRADE CHANGES THAT WILL IMPACT STORM DRAINAGE INFRASTRUCTURE OR OTHER UTILITIES.
11. UTILITIES WITHIN 10 FEET FROM FACE OF BUILDING SHALL BE COORDINATED WITH RELEVANT M.E.P. DRAWINGS. CONTRACTOR SHALL COORDINATE INVERTS, CONNECTIONS AND MATERIALS WITH ALL DRAWINGS.
12. CONTRACTOR OWNS TRENCHING, MATERIALS AND BACKFILL FOR ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PULLING OF WIRE. CONTRACTOR RESPONSIBLE FOR TIMING AND COORDINATION WITH UTILITIES AND DRAWINGS. COORDINATE WITH ELECTRICAL DRAWINGS FOR CONDUIT SCHEDULE, TYPE AND SIZES.
13. COORDINATE LIGHT POLE AND WALL MOUNTED LIGHT LOCATIONS WITH THE PHOTOMETRIC PLAN AND CONSTRUCTION MANAGER. THE CONTRACTOR SHALL EXTEND SECONDARY ELECTRIC TO ALL LIGHT POLES IN COORDINATION WITH THE CONSTRUCTION MANAGER.

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE/R.O.W.	
	ABUTTER LINE/R.O.W.	
	ZONE LINE ON PL	
	DEED LINE/R.O.W.	
	TIE LINE	
	SETBACK	
	EASEMENT	
	BUFFER	
	FLOODPLAIN	
	FLOODWAY	
	CENTERLINE	
⊡	MONUMENT	■
◎	IRON PIPE/ROD	●
◎	DRILL HOLE	◉
C1/L1	DEED CALL	
C1/L1	CURVE/LINE NO.	C1/L1
	SOILS	
	ZONE LINE	
	ZONE LINE ON PL	
BENCHMARK DESCRIPTION WITH ELEVATION	BENCHMARK	
	SURVEY CONTROL	
TP-1	TEST PIT	
MW-1	MONITORING WELL	
B-1	BORING	
	BUILDING	
	BUILDING TO BE DEMOLISHED	
	DECK/STEPS/ OVERHANG	
	EDGE WETLAND	
	WETLANDS	
	UPLANDS	
	STREAM	
	LEDGE	
	EDGE PAVEMENT	
	PAVEMENT SAWCUT	
	EDGE CONCRETE	
	PAVEMENT PAINT	
	EDGE GRAVEL	
	CURB LINE	
	EDGE OF WATER	
	TREELINE	
120 118	CONTOURS	120
×120.00	SPOT GRADE	+120.00
	CHAIN LINK FENCE	
	FENCE TO BE DEMOLISHED	
X	BARB WIRE FENCE	X
□	STOCKADE FENCE	□
	GUARD RAIL	
	STONE WALL	
	RETAINING WALL	
	DECIDUOUS TREE	X
	CONIFEROUS TREE	X
	MULCH LINE	
	BOLLARD	●
	SIGN	
	RAILROAD	
G	GAS	G
GV	GAS GATE VALVE	GV
GM	GAS METER	
G	GAS MANHOLE	
W	WATER	W
WV	WATER GATE VALVE	WV
	WATER SHUT OFF	
	HYDRANT	
W	WATER MANHOLE	
W	WELL	W
S	SANITARY SEWER	S
FM	FORCE MAIN	FM
S	SANITARY MANHOLE	●
SD	STORM DRAIN	SD
UD	UNDER DRAIN	UD
D	DRAINAGE MANHOLE	●
	CATCH BASIN	■
OHU	OVERHEAD UTILITY	OHU
UGU	UNDERGROUND UTILITY	UGU
T	TRANSFORMER PAD	T
E	ELECTRICAL MANHOLE	
EM	ELECTRIC METER	
H	HVAC UNIT	
T	TELEPHONE MANHOLE	
	LIGHT POLE	
	UTILITY POLE	
	GUY WIRE	
	ELECTRICAL HANDHOLE	H
	DRAINAGE DITCH	
	EROSION CONTROL BLANKET	
	FILTER BARRIER	FB
	RIPRAP	
	CHECK DAM	
	INLET PROTECTION	
	LANDSCAPE AREA	L/A
	SLIPFORM CONCRETE CURB	SFC
	DOUBLE YELLOW LINE	DYL
	SINGLE WHITE LINE	SWL

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CURRENT ISSUE STATUS:

STATE OF MAINE — OWENS A. McCULLOUGH — No. 7122 — REGISTERED PROFESSIONAL ENGINEER — 08-14-2020

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

GENERAL NOTES & LEGEND

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		
DRAWN BY:	MRS		
SMRT FILE:	CE001-17052	SHEET No.	CE001

NOT FOR CONSTRUCTION

24x36

GENERAL NOTES

1. DEMOLITION WORK HAS BEEN PARTIALLY COMPLETED BY OTHERS FOR BUILDING STRUCTURES AND LIMITED SITE ELEMENTS. THE CONTRACTOR UNDER THIS BID SHALL BE RESPONSIBLE FOR ANY ADDITIONAL ABOVE OR BELOW GRADE DEMOLITION TO COMPLETE PROJECT IMPROVEMENTS INCLUDING BUT NOT LIMITED TO FOUNDATIONS, UTILITIES, SLABS, FENCING, GATES, PAVEMENTS, MISC. STRUCTURES, LIGHTING, POLES, CURBING, UTILITY STRUCTURES AND ALL OTHER PHYSICAL IMPROVEMENTS ENCOUNTERED DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION COSTS.
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON LIMITED INFORMATION. CONTRACTOR SHALL ABANDON UTILITIES ENCOUNTERED DURING CONSTRUCTION NOT DIRECTED BY OWNER TO BE REPURPOSED OR REMAIN ACTIVE. PRIOR TO CONSTRUCTION CONTRACTOR TO MEET WITH OWNER TO REVIEW UTILITIES AND SHALL ENGAGE A UTILITY LOCATE SERVICE TO MAP UTILITIES.

N

GRID

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 INCH = 20 FT.

TENNIS COURT SURFACE REMOVED
REMOVE FENCE
REMOVE PAVEMENT
CONCRETE PADS TO BE DEMOLISHED BY OTHERS
FENCE TO REMAIN
GENERATOR SHED
CONCRETE PADS TO BE DEMOLISHED BY OTHERS
FENCE TO REMAIN
NO UTILITIES MARKED
UTILITY POLE TO BE REMOVED
HATCHED BUILDINGS INDICATE BUILDINGS TO BE REMOVED BY OTHERS
HANDHOLD TO BE REMOVED
LIMIT OF DISTURBANCE
BUILDINGS DEMOLISHED BY OTHERS
CONCRETE PAD TO BE DEMOLISHED BY OTHERS
ABANDON WATER
TOP OF EXPOSED CULVERT
REMOVE MANHOLE, CAP SEWER LINES
REMOVE HYDRANT
STORAGE BUILDING
UNDERGROUND ELECTRIC TO BE REMOVED
SMH 1003
RIM=182.42
ABANDON AND CAP SEWER
ABANDON UGE
ABANDON WATER SERVICE, CUT & CAP
CUT & CAP SEWER
ABANDON EXISTING SEWER
EXISTING ABOVE GROUND TANK. TO BE REMOVED BY MDOC.
BUILDING DEMOLISHED BY OTHERS
EXISTING ELEVATED WOOD RAMP TO REMAIN
REMOVE PAVEMENT (TYP) (PARTIALLY REMOVED BY OTHERS)
REMOVE HORSE SHOE PITS
REMOVE UTILITY POLE
ELECTRIC CIGARETTE LIGHTER (REMOVE)
REMOVE PERIMETER FENCE, GATE AND FOUNDATIONS AS SHOWN
REMOVE FENCE
REMOVE PAVEMENT
ADMINISTRATION BUILDING
TO REMAIN
BUILDING DEMOLISHED BY OTHERS
ABANDON WATER SERVICE, CUT & CAP
SEE SITE PLAN REMOVE PAVEMENT AND REPAVE
CONCRETE PADS TO BE DEMOLISHED BY OTHERS
REMOVE SHED
UTILITY LINE REMOVED BY OTHERS
REMOVE CURB
BUILDING 18: DORM 1 & 2 TO REMAIN
MATCHLINE
EXISTING WATER VALVE PIT

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MACHIASPORT, MAINE

DEMOLITION PLAN

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19172
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE101
DRAWN BY:	MRS		
SMRT FILE:	CE101-17052	SHEET No.	

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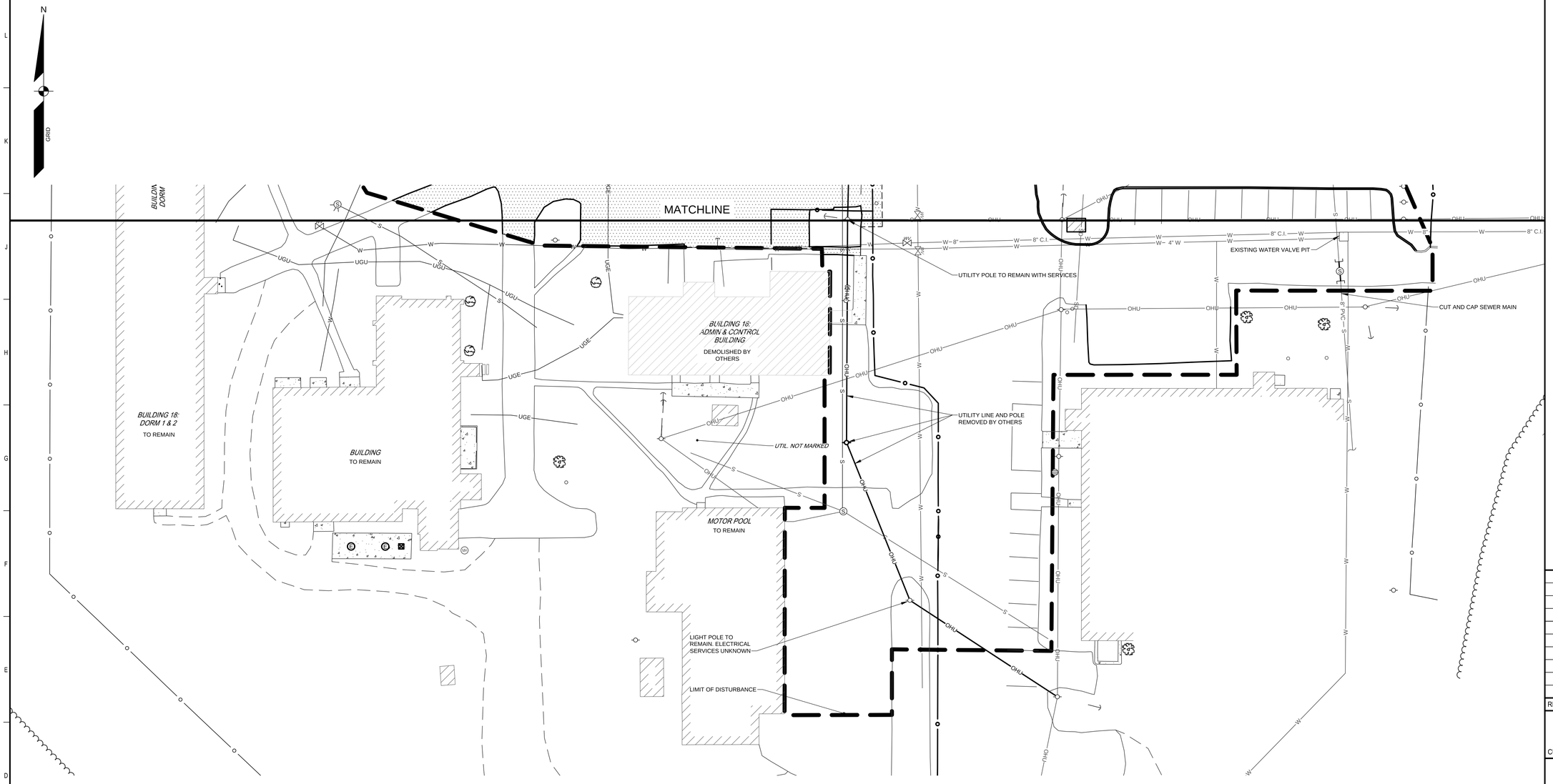
24x36



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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 INCH = 20 FT.

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DEMOLITION PLAN
SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19172
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE102
DRAWN BY:	MRS		
SMRT FILE:	CE102-17052	SHEET No.	

NOT FOR CONSTRUCTION

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2. REFER TO GENERAL NOTES ON PLAN SHEET CE001

N

GRID

TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-12
TP-13
TP-14
TP-15
TP-16
TP-17
TP

6" PVC
INV.=173.95

CB 1005
RIM=178.91

8' X 8' UTILITY BUILDING

PORTION OF BUILDING TO BE DEMOLISHED BY OTHERS

5'X10' CONCRETE PROPANE TANK PAD

PAVED ACCESS SIDEWALK

ACCESS SIDEWALK

15'X38' CONCRETE PATIO

APPROXIMATE LIMIT OF DISTURBANCE

4'X6' KITCHEN MAKE-UP AIR UNIT CONCRETE PAD

12'X20' GENERATOR PAD

9'X9' TRANSFORMER PAD

12'X12' DUMPSTER CONCRETE PAD (SEE DETAIL)

BUILDINGS DEMOLISHED BY OTHERS

STORAGE BUILDING
CONVERTED TO LAUNDRY STORAGE

5'X5' CONCRETE REFRIGERATION RACK PAD

6' WIDE STONE DRIP EDGE (1 1/2" STONE)

15'X6' ERU PAD

PROPOSED MENS REENTRY CENTER
9,592 S.F.

CONCRETE PADS AT ALL ENTRANCES (TYP)

ADA SIGN (TYP 2)

DIAGONAL PAINT MARKINGS, TYP. (4" SYL)

4" SYL

VEHICULAR PAVEMENT SECTION

PAVEMENT SAWCUT

AREA OF 1.25" MILL AND 1.25" OVERLAY (9.5MM HMA)

BM-1

ADMINISTRATION BUILDING
TO REMAIN

BUILDING DEMOLISHED BY OTHERS

BUILDING 18: DORM 1 & 2

MATCHLINE

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 INCH = 20 FT.

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MACHIASPORT, MAINE

SITE PLAN

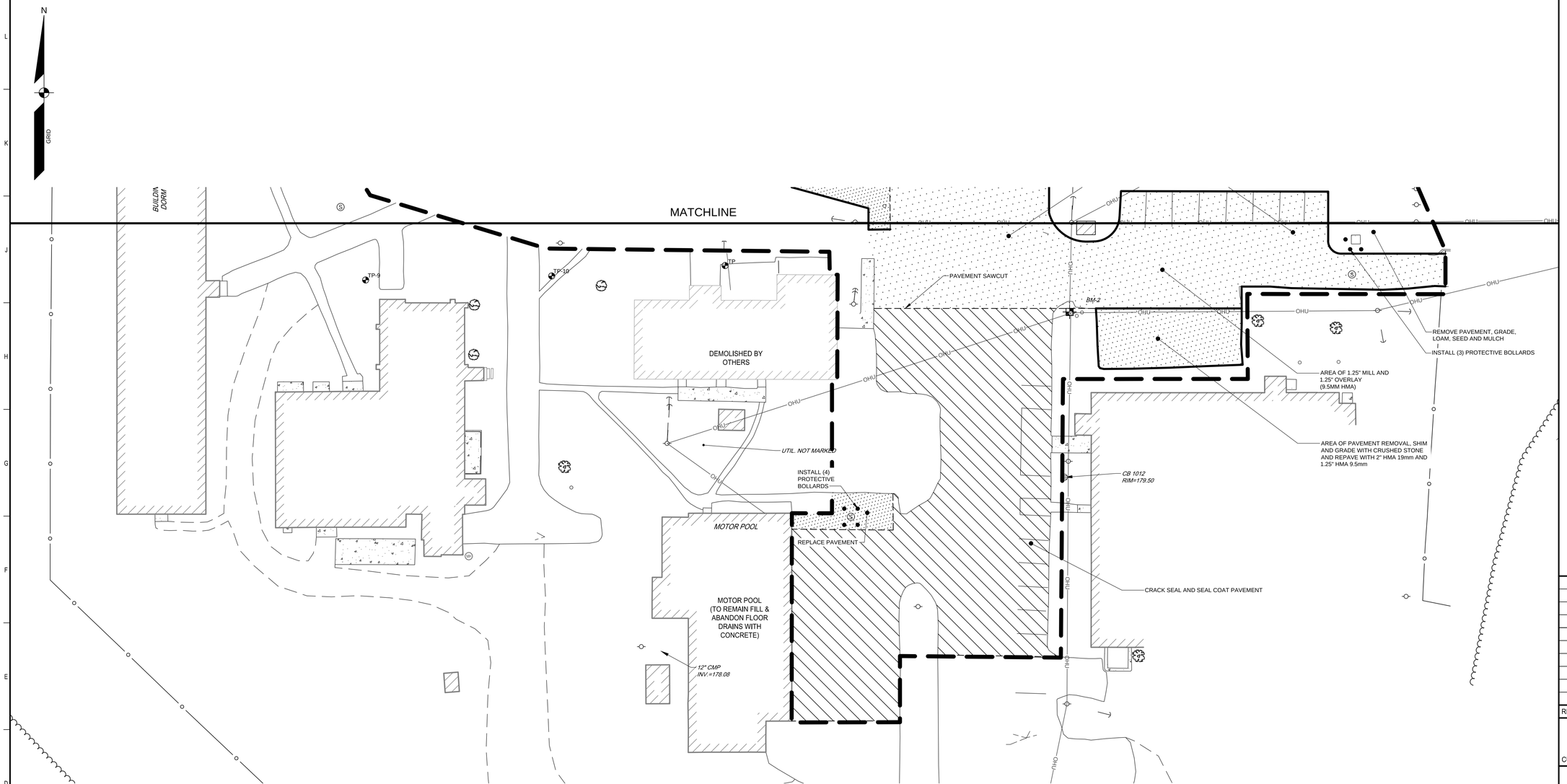
SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19176
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE201
DRAWN BY:	MRS		
SMRT FILE:	CE201-17052	SHEET No.	

24x36



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2. REFER TO GENERAL NOTES ON PLAN SHEET CE001

GRAPHIC SCALE
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(IN FEET)
1 INCH = 20 FT.

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MACHIASPORT, MAINE

SHEET TITLE:
SITE PLAN

0 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19176
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		
DRAWN BY:	MRS		
SMRT FILE:	CE202-17052	SHEET No.	CE202

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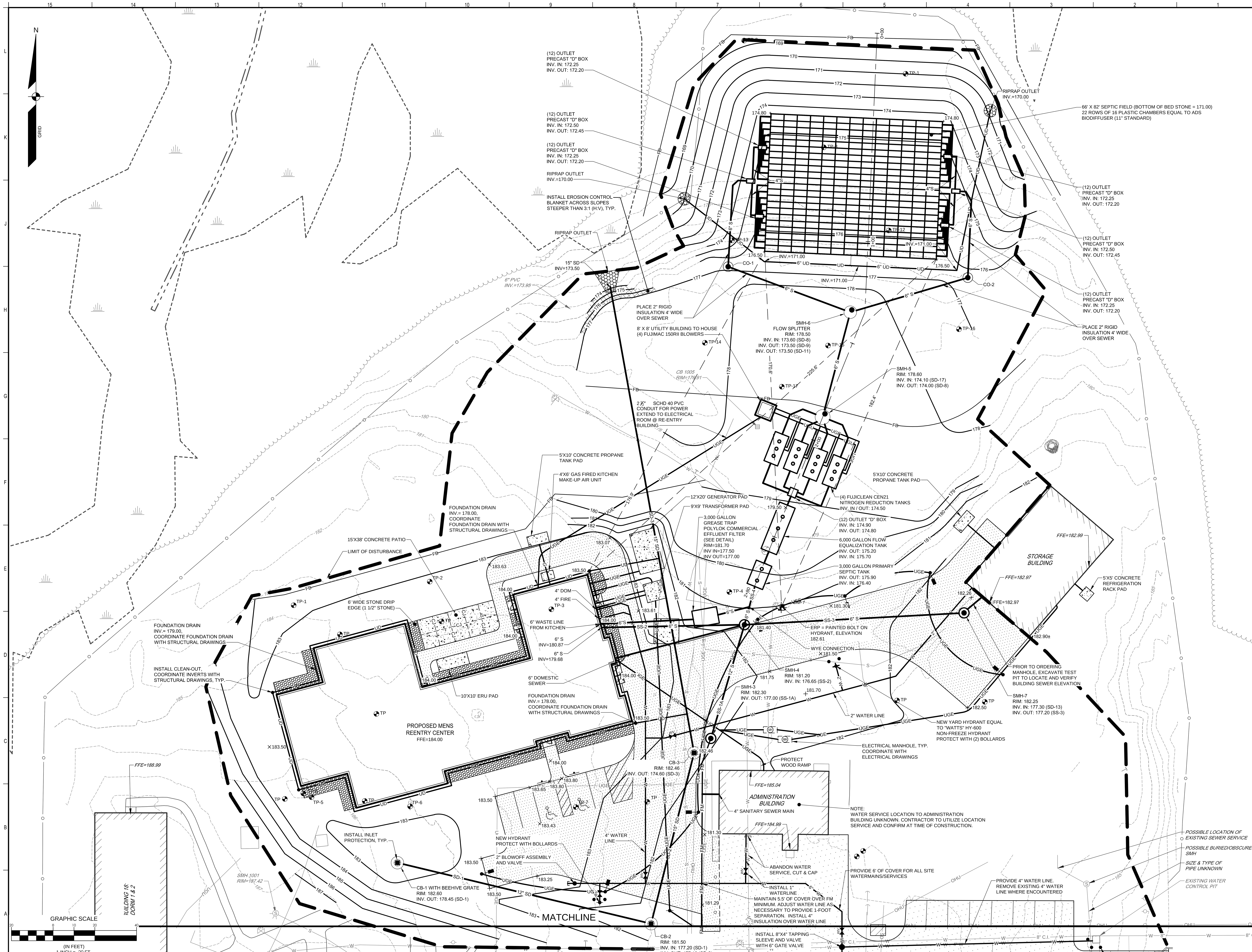

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MACHIASPORT, MAINE

GRADING & UTILITY PLAN

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19172
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB	CE301	
DRAWN BY:	MRS		
SMRT FILE:	CE301-17052	SHEET No.	

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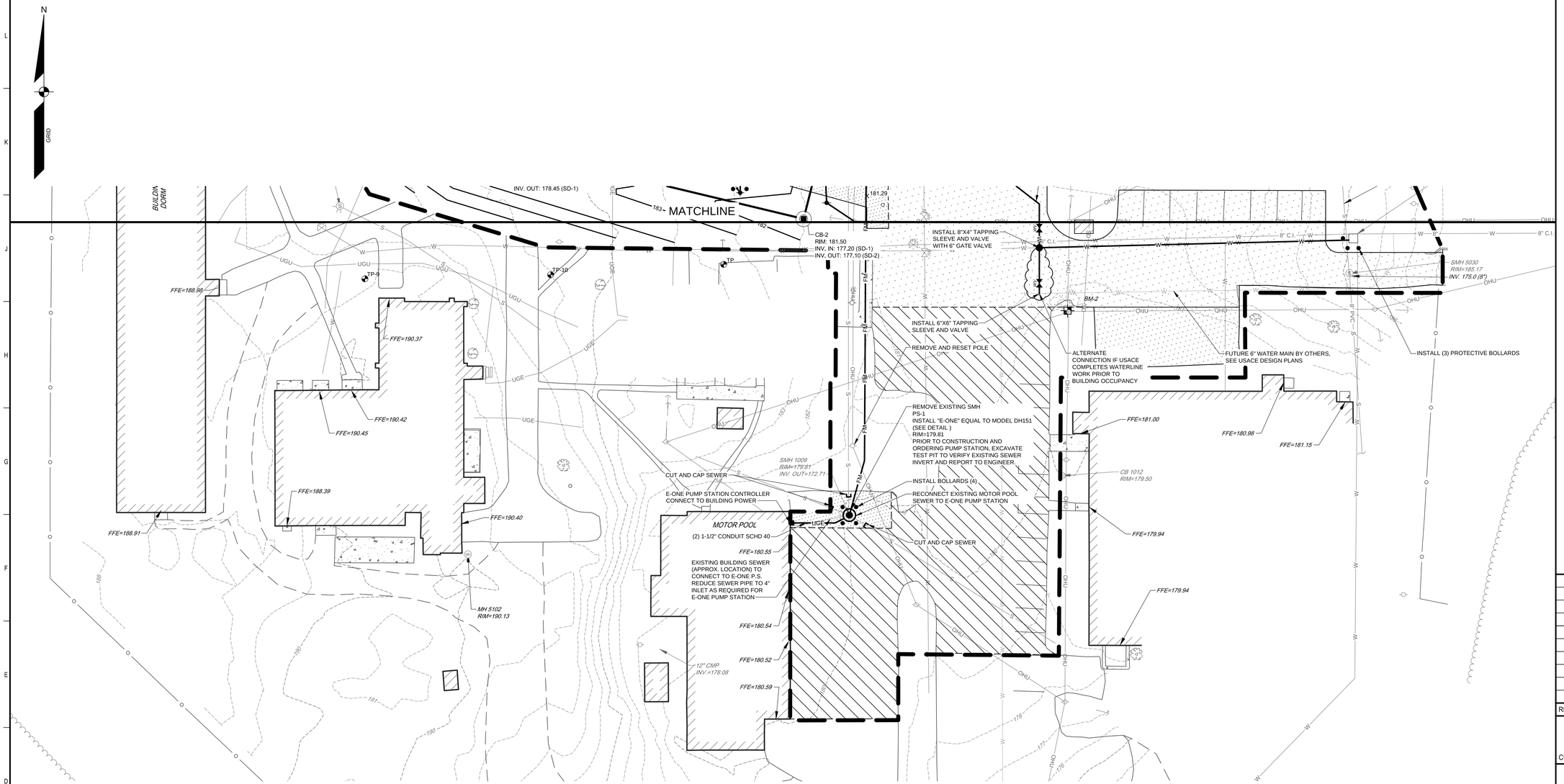

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GRADING & UTILITY PLAN

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19172
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		
DRAWN BY:	MRS		
SMRT FILE:	CE302-17052	SHEET No.	CE302

NOT FOR CONSTRUCTION

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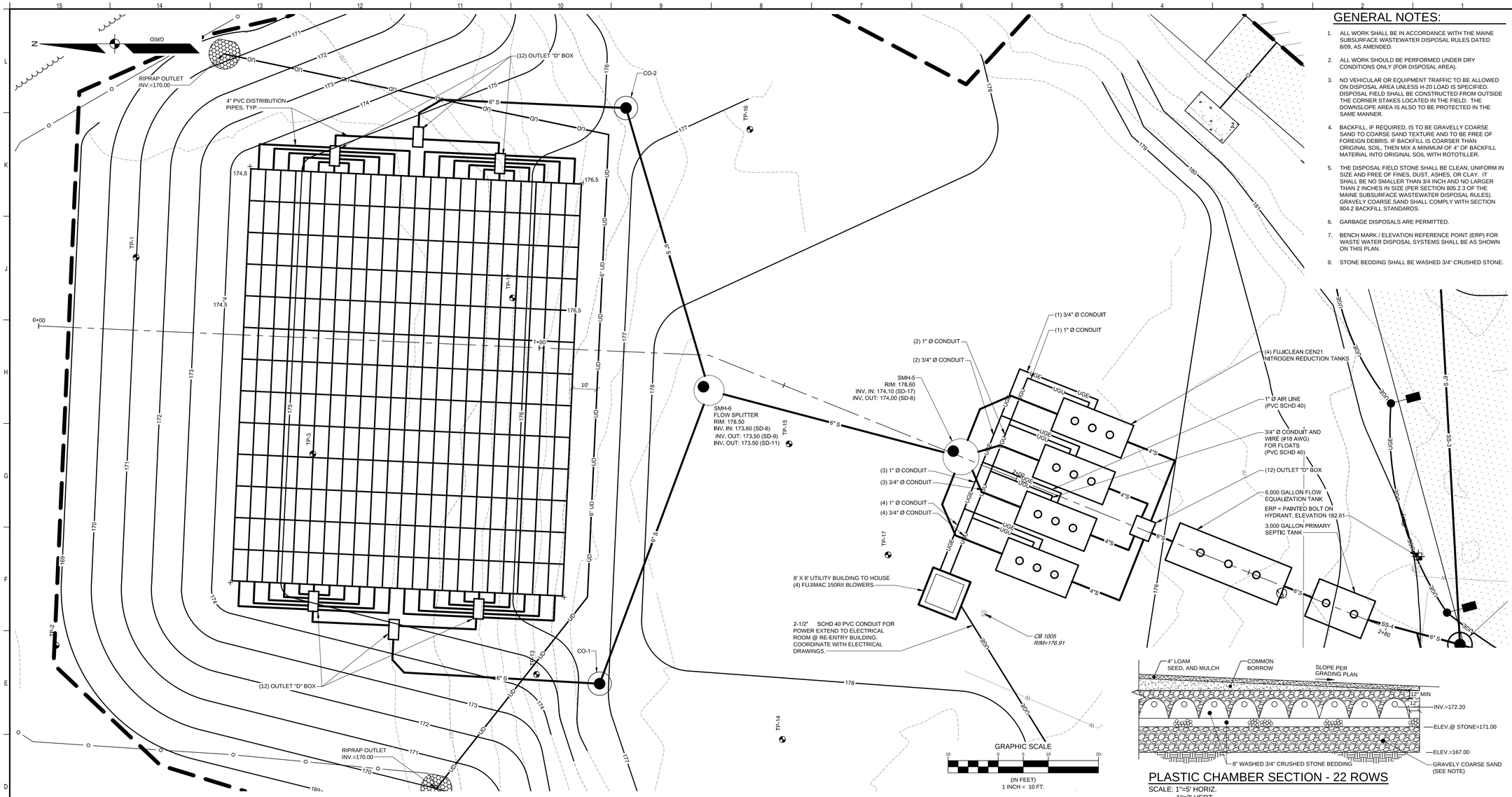
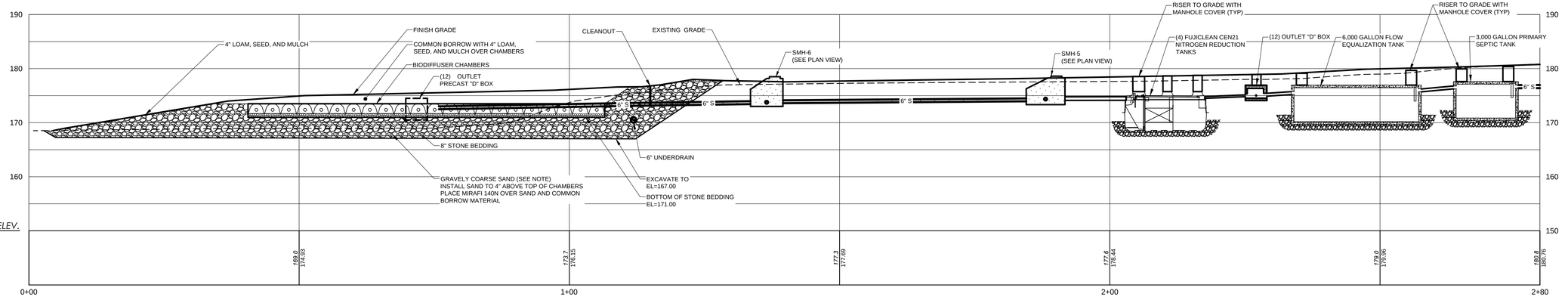


WASTEWATER DISPOSAL SYSTEM - PLAN VIEW

SCALE: 1"=10'

PLASTIC CHAMBER SECTION - 22 ROWS

SCALE: 1"=5' HORIZ.
1"=3' VERT.



SECTION - SUBSURFACE WASTEWATER DISPOSAL SYSTEM

SCALE: 1"=10' HORIZ.
1"=10' VERT.

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MAINE SUBSURFACE WASTEWATER DISPOSAL RULES DATED 8/09, AS AMENDED.
2. ALL WORK SHOULD BE PERFORMED UNDER DRY CONDITIONS ONLY (FOR DISPOSAL AREA).
3. NO VEHICULAR OR EQUIPMENT TRAFFIC TO BE ALLOWED ON DISPOSAL AREA UNLESS H-20 LOAD IS SPECIFIED. DISPOSAL FIELD SHALL BE CONSTRUCTED FROM OUTSIDE THE CORNER STAKES LOCATED IN THE FIELD. THE DOWNSLOPE AREA IS ALSO TO BE PROTECTED IN THE SAME MANNER.
4. BACKFILL, IF REQUIRED, IS TO BE GRAVELLY COARSE SAND TO COARSE SAND TEXTURE AND TO BE FREE OF FOREIGN DEBRIS. IF BACKFILL IS COARSER THAN ORIGINAL SOIL, THEN MIX A MINIMUM OF 4" OF BACKFILL MATERIAL INTO ORIGINAL SOIL WITH ROTOTILLER.
5. THE DISPOSAL FIELD STONE SHALL BE CLEAN, UNIFORM IN SIZE AND FREE OF FINES, DUST, ASHES, OR CLAY. IT SHALL BE NO SMALLER THAN 3/4 INCH AND NO LARGER THAN 2 INCHES IN SIZE (PER SECTION 805.2.3 OF THE MAINE SUBSURFACE WASTEWATER DISPOSAL RULES). GRAVELY COARSE SAND SHALL COMPLY WITH SECTION 804.2 BACKFILL STANDARDS.
6. GARBAGE DISPOSALS ARE PERMITTED.
7. BENCH MARK / ELEVATION REFERENCE POINT (ERP) FOR WASTE WATER DISPOSAL SYSTEMS SHALL BE AS SHOWN ON THIS PLAN.
8. STONE BEDDING SHALL BE WASHED 3/4" CRUSHED STONE.

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WASTEWATER TREATMENT PLAN

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	19172
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE303
DRAWN BY:	MRS		
SMRT FILE:	CE303-17052	SHEET No.	

NOT FOR CONSTRUCTION

24x36

EROSION CONTROL MEASURES

PRE-CONSTRUCTION PHASE

PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS (SILT FENCE) WILL BE STAKED/INSTALLED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. THE PLACEMENT OF SEDIMENT BARRIERS SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THIS EROSION CONTROL PLAN AND DETAILS IN THIS PLAN SET. THIS NETWORK IS TO BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED.

PRIOR TO ANY CLEARING OR GRUBBING, A CONSTRUCTION ENTRANCE/EXIT SHALL BE CONSTRUCTED AT THE INTERSECTION OF THE PROPOSED ENTRANCES AND EXISTING ROADWAY TO AVOID TRACKING OF MUD, DUST AND DEBRIS FROM THE SITE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOWING DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE MUNICIPAL STAFF. THREE COPIES OF THE SCHEDULE AND MARKED UP PLAN SHALL BE PROVIDED TO THE MUNICIPALITY THREE DAYS PRIOR TO THE SCHEDULED PRE-CONSTRUCTION MEETING. SPECIAL ATTENTION SHALL BE GIVEN TO THE 14 DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

CONSTRUCTION AND POST-CONSTRUCTION PHASE

AREAS UNDERGOING ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT AMOUNT OF MINERAL SOIL NECESSARY FOR PROGRESSIVE AND EFFICIENT CONSTRUCTION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. OPEN AREAS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL AS SHOWN ON THE DESIGN PLANS AND AS DESCRIBED WITHIN THIS EROSION CONTROL PLAN WITHIN 7 DAYS OF DISTURBANCE. AREAS LOCATED WITHIN 100' OF STREAMS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL WITHIN SEVEN (7) DAYS. REFER TO WINTER EROSION CONTROL NOTES FOR THE TREATMENT OF OPEN AREAS AFTER OCTOBER 1ST OF THE CONSTRUCTION YEAR. NO MORE THAN ONE (1) ACRE SHOULD BE ACTIVELY WORKED ON AT ONE TIME, AND NO LARGER AREA SHOULD BE DISTURBED THAN CAN BE MULCHED IN ONE (1) DAY.

THE CONTRACTOR MUST INSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

EROSION CONTROL APPLICATIONS & MEASURES

THE PLACEMENT OF EROSION CONTROL MEASURES SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND DETAILS IN THE PLAN SET.

1. TEMPORARY MULCHING:
ALL DISTURBED AREAS SHALL BE MULCHED WITH MATERIALS SPECIFIED BELOW PRIOR TO ANY STORM EVENT. ALL DISTURBED AREAS NOT FINAL GRADED WITHIN 14 DAYS SHALL BE MULCHED. DISTURBED AREAS ADJACENT TO NATURAL RESOURCES THAT ARE NOT GRADED WITHIN SEVEN (7) DAYS SHALL BE MULCHED. ALSO, AREAS, WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED, SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING. EROSION CONTROL BLANKETS ARE RECOMMENDED TO BE USED AT THE BASE OF GRASSED WATERWAYS AND ON SLOPES GREATER THAN 33%. MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 5% AFTER SEPTEMBER 15TH OF THE CONSTRUCTION YEAR (SEE WINTER EROSION CONTROL NOTES).

TYPES OF MULCH:

HAY OR STRAW: SHALL BE APPLIED AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE).

EROSION CONTROL MIX: SHALL BE PLACED EVENLY AND MUST PROVIDE 100% SOIL COVERAGE. EROSION CONTROL MIX SHALL BE APPLIED SUCH THAT THE THICKNESS ON SLOPES 3:1 OR LESS IS 2 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THE THICKNESS ON SLOPES BETWEEN 3:1 AND 2:1 SHALL BE 4 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THIS SHALL NOT BE USED ON SLOPES GREATER THAN 2:1.

EROSION CONTROL BLANKET: SHALL BE INSTALLED SUCH THAT CONTINUOUS CONTACT BETWEEN THE MAT AND THE SOIL IS OBTAINED. INSTALL BLANKETS AND STAPLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

2. SOIL STOCKPILES:
STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOOD WASTE EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNGRADIENT OF STOCKPILES, AND STORMWATER SHALL BE PREVENTED FROM RUNNING ONTO THE STOCKPILE.

3. NATURAL RESOURCES PROTECTION:
ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 90% MATURE VEGETATION CATCH, SHALL BE MULCHED USING TEMPORARY MULCHING (AS DESCRIBED IN PART 1. OF THIS SECTION) WITHIN 7 DAYS OF EXPOSURE OR PRIOR TO ANY STORM EVENT. SEDIMENT BARRIERS (AS DESCRIBED IN PART 4. OF THIS SECTION) SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE.

4. FILTER/ SEDIMENT BARRIERS:
PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS SHALL BE STAKED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. SEDIMENT BARRIERS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION.

SILT FENCE: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE EFFECTIVE HEIGHT OF THE FENCE SHALL NOT EXCEED 36 INCHES. IT IS RECOMMENDED THAT SILT FENCE BE REMOVED BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL SO AS TO AVOID ADDITIONAL SOIL DISTURBANCE.

HAY BALES: SHALL NOT BE INSTALLED ADJACENT TO WETLAND. INSTALL PER THE DETAIL ON THE PLANS. BALES SHALL BE WIRE-BOUND OR STRING-TIED AND THESE BINDINGS MUST REMAIN PARALLEL WITH THE GROUND SURFACE DURING INSTALLATION TO PREVENT DETERIORATION OF THE BINDINGS. BALES SHALL BE INSTALLED WITHIN A MINIMUM 4 INCH DEEP TRENCH LINE WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

EROSION CONTROL MIX: SHALL NOT BE USED ADJACENT TO WETLANDS. INSTALL PER THE DETAIL ON THE PLANS. THE MIX SHALL CONSIST PRIMARILY OF ORGANIC MATERIAL AND CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4 INCHES IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE STANDARDS DESCRIBED WITHIN THE MDEP BEST MANAGEMENT PRACTICES. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER. EROSION CONTROL MIX BERMS SHALL NOT BE USED AT THE TOP OF STEEP SLOPES (>8%) OR SLOPES WITH FLOWING WATER.

CONTINUOUS CONTAINED BERM: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THIS SEDIMENT BARRIER IS EROSION CONTROL MIX PLACED WITHIN A SYNTHETIC TUBULAR NETTING AND PERFORMS AS A STURDY SEDIMENT BARRIER THAT WORKS WELL ON HARD GROUND SUCH AS FROZEN CONDITIONS, TRAVELED AREAS OR PAVEMENT. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER.

5. TEMPORARY CHECK DAMS:
SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. CHECK DAMS ARE TO BE PLACED WITHIN DITCHES/ SWALES AS SPECIFIED ON THE DESIGN PLANS IMMEDIATELY AFTER FINAL GRADING. CHECK DAMS SHALL BE 2 FEET HIGH. TEMPORARY CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAVED AND THE VEGETATED SWALE ARE ESTABLISHED WITH AT LEAST 90% OF VIGOROUS PERENNIAL GROWTH. THE AREA BENEATH THE CHECK DAM MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER REMOVAL OF THE CHECK DAM.

STONE CHECK DAMS: STONE DAMS SHOULD BE CONSTRUCTED OF 2 TO 3 INCH STONE AND PLACED SUCH THAT COMPLETE COVERAGE OF THE SWALE IS OBTAINED AND THAT THE CENTER OF THE DAM IS 6 INCHES LOWER THAT THE OUTER EDGES.

HAY BALE CHECK DAMS: BALES SHALL BE WIRE-BOUND OR STRING-TIED. BALES SHALL BE INSTALLED WITHIN A MINIMUM 4 INCH DEEP TRENCH LINE WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. HAY BALES SHALL BE PLACED SUCH THAT COMPLETE COVERAGE OF THE SWALE IS OBTAINED AND THAT THE CENTER OF THE DAM IS 6 INCHES LOWER THAT THE OUTER EDGES.

MANUFACTURED CHECK DAMS: MANUFACTURED CHECK DAMS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF AUTHORIZED BY THE PROPER LOCAL, STATE OR FEDERAL REGULATING AGENCIES. THESE UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS.

6. STORMDRAIN INLET PROTECTION:
INLET PROTECTION SHALL BE PLACED AROUND A STORMDRAIN DROP INLET OR CURB INLET PRIOR TO PERMANENT STABILIZATION OF THE IMMEDIATE AND UPSTREAM DISTURBED AREAS. THEY SHALL BE CONSTRUCTED IN A MANNER THAT WILL FACILITATE CLEAN-OUT AND DISPOSAL OF TRAPPED SEDIMENTS AND MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES. ANY RESULTANT PONDING OF WATER FROM THE PROTECTION METHOD MUST NOT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS OR STRUCTURES.

HAY BALE DROP INLET PROTECTION: WE DO NOT RECOMMEND THE USE OF HAY BALES AS INLET PROTECTION.

CONCRETE BLOCK AND STONE INLET SEDIMENT FILTER (DROP OR CURB INLET): SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE HEIGHT OF THE CONCRETE BLOCK BARRIER CAN VARY BUT MUST BE BETWEEN 12 AND 24 INCHES TALL. A MINIMUM OF 1 INCH CRUSHED STONE SHALL BE USED.

MANUFACTURED SEDIMENT BARRIERS AND FILTER (DROP OR CURB INLET): MANUFACTURED FILTERS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

7. STABILIZED CONSTRUCTION ENTRANCE/EXIT:
PRIOR TO CLEARING AND/OR GRUBBING THE SITE A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE CONSTRUCTED WHEREVER TRAFFIC WILL EXIT THE CONSTRUCTION SITE ONTO A PAVED ROADWAY IN ORDER TO MINIMIZE THE TRACKING OF SEDIMENT AND DEBRIS FROM THE CONSTRUCTION SITE ONTO PUBLIC ROADWAYS. THE ENTRANCES AND ADJACENT ROADWAY AREAS SHALL BE PERIODICALLY SWEPT OR WASHED TO FURTHER MINIMIZE THE TRACKING OF MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. STABILIZED CONSTRUCTION EXITS SHALL BE CONSTRUCTED IN AREAS SPECIFIED ON THE PLANS AND AS DETAILED ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.

8. DUST CONTROL:
DUST CONTROL DURING CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF A WATERING TRUCK TO PERIODICALLY SPRINKLE THE EXPOSED ROADWAY AREAS AS NECESSARY TO REDUCE DUST DURING THE DRY MONTHS. APPLYING OTHER DUST CONTROL PRODUCTS SUCH AS CALCIUM CHLORIDE OR OTHER MANUFACTURED PRODUCTS ARE ALLOWED IF AUTHORIZED BY THE PROPER LOCAL, STATE AND/OR FEDERAL REGULATING AGENCIES. HOWEVER, IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO MITIGATE DUST AND SOIL LOSS FROM THE SITE. IF OFFSITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NOT LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS.

9. TEMPORARY VEGETATION:
TEMPORARY VEGETATION SHALL BE APPLIED TO DISTURBED AREAS THAT WILL NOT RECEIVE FINAL GRADING FOR PERIODS UP TO 12 MONTHS. THIS PROCEDURE SHOULD BE USED EXTENSIVELY IN AREAS ADJACENT TO NATURAL RESOURCES. SEEDBED PREPARATION AND APPLICATION OF SEED SHALL BE CONDUCTED AS INDICATED IN THE PERMANENT VEGETATION SECTION OF THIS NARRATIVE. SPECIFIC SEEDS (FAST GROWING AND SHORT LIVING) SHALL BE SELECTED FROM THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER. ALTERNATIVE EROSION CONTROL MEASURES SHOULD BE USED IF SEEDING CAN NOT BE DONE BEFORE SEPTEMBER 15TH OF THE CONSTRUCTION YEAR.

10. PERMANENT VEGETATION:
REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF FINAL GRADING OF AREAS TO BE LOAMED AND SEEDED. THE APPLICATION OF SEED SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR, PLEASE REFER TO THE WINTER EROSION CONTROL NOTES FOR MORE DETAIL. REVEGETATION MEASURES SHALL CONSIST OF THE FOLLOWING:

SEEDBED PREPARATION:

A. FOUR (4) INCHES OF LOAM SHALL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2 INCHES OR LARGER IN ANY DIMENSION, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.

B. SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TESTS SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:

ITEM	APPLICATION RATE
10-20-20 FERTILIZER (N-P205-K20 OR EQUAL)	18.4 LBS./1,000 S.F.
GROUND LIMESTONE (50% CALCIUM & MAGNESIUM OXIDE)	138 LBS./1,000 S.F.

WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH PROPER EQUIPMENT. ROLL THE AREA TO FIRM THE SEEDBED EXCEPT ON CLAY OR SILTY SOILS OR COARSE SAND.

APPLICATION OF SEED:

A. SEEDING: SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR. GENERALLY A SEED MIXTURE MAY BE APPLIED AS FOLLOWS: (MDEP SEED MIX 2 IS DISPLAYED)

SEED TYPE	APPLICATION RATE
CREEPING RED FESCUE	0.46 LBS/1,000 S.F. (20 LBS/ACRE)
REDTOP	0.05 LBS/1,000 S.F. (2 LBS/ACRE)
TALL FESCUE	0.46 LBS/1,000 S.F. (20 LBS/ACRE)
TOTAL:	0.97 LBS/1,000 S.F. (42 LBS/ACRE)

NOTE: A SPECIFIC SEED MIXTURE SHOULD BE CHOSEN TO MATCH THE SOILS CONDITION OF THE SITE. VARIOUS AGENCIES CAN RECOMMEND SEED MIXTURES. MDEP RECOMMENDED SEED MIXTURES ARE IN THE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER.

B. HYDROSEEDING: SHALL BE CONDUCTED ON PREPARED AREAS WITH SLOPES LESS THAN 2:1. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. RECOMMENDED SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.

C. MULCHING: SHALL COMMENCE IMMEDIATELY AFTER SEED IS APPLIED. REFER TO THE TEMPORARY MULCHING SECTION OF THIS NARRATIVE FOR DETAILS.

SODDING:
FOLLOWING SEEDBED PREPARATION, SOD CAN BE APPLIED IN LIEU OF SEEDING IN AREAS WHERE IMMEDIATE VEGETATION IS MOST BENEFICIAL SUCH AS DITCHES, AROUND STORMWATER DROP INLETS AND AREAS OF AESTHETIC VALUE. SOD SHOULD BE LAID AT RIGHT ANGLES TO THE DIRECTION OF FLOW, STARTING AT THE LOWEST ELEVATION. SOD SHOULD BE ROLLED OR TAMPED DOWN TO EVEN OUT THE JOINTS ONCE LAID DOWN. WHERE FLOW IS PREVALENT THE SOD MUST BE PROPERLY ANCHORED DOWN. IRRIGATE THE SOD IMMEDIATELY AFTER INSTALLATION. IN MOST CASES, SOD CAN BE ESTABLISHED BETWEEN APRIL 1ST AND NOVEMBER 15TH OF THE CONSTRUCTION YEAR, HOWEVER, REFER TO THE WINTER EROSION CONTROL NOTES FOR ANY ACTIVITIES AFTER OCTOBER 1ST.

STANDARDS FOR TIMELY STABILIZATION:

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES -- THE CONTRACTOR WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE MDEP WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% (10H:1V) TO BE A SLOPE. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.

A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS -- BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1,000 SQUARE FEET AND APPLY EROSION CONTROL MATS OVER THE MULCHED SLOPE. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LAYER OF WOOD WASTE COMPOST AS DESCRIBED IN ITEM 2(C.) OF THIS STANDARD OR WITH STONE RIPRAP AS DESCRIBED IN ITEM 2(D.) OF THIS STANDARD.

B. STABILIZE THE SLOPE WITH SOD -- THE CONTRACTOR WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE APPLICANT WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V).

C. STABILIZE THE SLOPE WITH WOOD WASTE COMPOST -- THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF WOOD WASTE COMPOST ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE WOOD WASTE COMPOST, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE APPLICANT WILL NOT USE WOOD WASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

D. STABILIZE THE SLOPE WITH STONE RIPRAP -- THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS -- BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.

A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION -- BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM 3(C.) OF THIS STANDARD.

B. STABILIZE THE SOIL WITH SOD -- THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.

C. STABILIZE THE SOIL WITH MULCH -- BY NOVEMBER 15 THE APPLICANT WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

1. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, AND AT LEAST EVERY SEVEN (7) DAYS, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES. THE CONTRACTOR SHALL PERFORM REPAIRS NO LATER THAN THE END OF THE NEXT WORKDAY, TO ALLOW CONTINUED PROPER FUNCTIONING OF THE EROSION CONTROL MEASURE. THE CONTRACTOR SHALL PROVIDE THE NECESSARY REGULATING AGENCIES WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF INSPECTIONS AND NECESSARY FOLLOW-UP WORK TO MAINTAIN EROSION CONTROL MEASURES MEETING THE REQUIREMENTS OF THIS PLAN WITHIN SEVEN (7) DAYS.

2. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMIMONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADEQUATELY ESTABLISHED.

HOUSE KEEPING:

1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

4. DEBRIS AND OTHER MATERIALS. MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

5. EXCAVATION DE-WATERING. EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

6. AUTHORIZED NON-STORMWATER DISCHARGES. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:
   A. DISCHARGES FROM FIREFIGHTING ACTIVITY;
   B. FIRE HYDRANT FLUSHINGS;
   C. VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
   D. DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX (C)(3);
   E. ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
   F. PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
   G. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
   H. UNCONTAMINATED GROUNDWATER OR SPRING WATER;
   I. FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
   J. UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));
   K. POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
   L. LANDSCAPE IRRIGATION.

7. UNAUTHORIZED NON-STORMWATER DISCHARGES. THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON_STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6) OF CHAPTER 500. SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
   A. WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
   B. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
   C. SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
   D. TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

INSPECTIONS/MONITORING:

1. NEEDED REPAIRS (AS IDENTIFIED DURING AN INSPECTION) WILL BE STARTED NO LATER THAN THE END OF THE NEXT WORKDAY AND BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, AND AT LEAST EVERY SEVEN (7) DAYS, THE INSPECTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES, INCLUDING MATERIAL STORAGE AREAS AND ALL POINTS AT WHICH VEHICLES ACCESS THE SITE. THE INSPECTOR SHALL PERFORM REPAIRS AS NEEDED TO ALLOW CONTINUED PROPER FUNCTIONING OF THE EROSION CONTROL MEASURE. THE INSPECTOR SHALL PROVIDE THE NECESSARY REGULATING AGENCIES WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF INSPECTIONS AND NECESSARY FOLLOW-UP WORK TO MAINTAIN EROSION CONTROL MEASURES MEETING THE REQUIREMENTS OF THIS PLAN. THE INSPECTOR SHALL MAINTAIN DOCUMENTATION OF ALL INSPECTIONS AS WELL AS MAINTENANCE OR CORRECTIVE ACTIONS THAT WERE TAKEN IN RESPONSE TO THE INSPECTION. THIS DOCUMENTATION SHALL BE MAINTAINED FOR AT LEAST THREE YEARS AFTER THE SITE IS PERMANENTLY STABILIZED

2. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE INSPECTOR SHALL INSPECT THE WORK AREA SEMI-MONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDING SHALL BE CARRIED OUT BY THE INSPECTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADEQUATELY ESTABLISHED.

3. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING STANDARD AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.

WINTER EROSION CONTROL MEASURES

THE WINTER CONSTRUCTION PERIOD IS FROM OCTOBER 1 THROUGH APRIL 15. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER OR RIPRAP BY NOVEMBER 15 THEN THE SITE NEEDS TO BE PROTECTED WITH OVER-WINTER STABILIZATION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDER TAKEN DURING THE PROCEEDING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. ALL AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL THE SUBBASE GRAVEL IS INSTALLED IN ROADWAY AREAS OR THE AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH RATE SHALL BE A MINIMUM OF 150 LBS./1,000 S.F. (3 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. THE CONTRACTOR MUST INSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

1. SOIL STOCKPILES:
STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR AT 150 LBS/1,000 S.F. (3 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOOD WASTE EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

2. NATURAL RESOURCES PROTECTION:
ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH EROSION CONTROL MATS. DURING WINTER CONSTRUCTION, A DOUBLE LINE OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX) WILL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA.

PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE. EXISTING PROJECTS NOT STABILIZED BY DECEMBER 1 SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SPRING THAW AND RAINS.

3. SEDIMENT BARRIERS:
DURING FROZEN CONDITIONS, SEDIMENT BARRIERS SHALL CONSIST OF WOOD WASTE FILTER BERMS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.

4. MULCHING:
ALL AREA SHALL BE CONSIDERED TO BE DENUDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1.000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1.000 SQUARE FEET (3TONS/ACRE) AND ADEQUATELY ANCHORED THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH.

BETWEEN THE DATES OF SEPTEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACK OR WOOD CELLULOSE FIBER. WHEN GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH THEN COVER IS SUFFICIENT.
AFTER NOVEMBER 1ST, MULCH AND ANCHORING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORK DAY.

5. MULCHING ON SLOPES AND DITCHES:
SLOPES SHALL NOT BE LEFT EXPOSED FOR ANY EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY MULCHED AND ANCHORED WITH PEG AND NETTING OR WITH EROSION CONTROL BLANKETS. MULCHING SHALL BE APPLIED AT A RATE OF 230 LBS/1,000 S.F. ON ALL SLOPES GREATER THAN 8%. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 5%. EROSION CONTROL BLANKETS SHALL BE USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES 8%. EROSION CONTROL MIX CAN BE USED TO SUBSTITUTE EROSION CONTROL BLANKETS ON ALL SLOPES EXCEPT DITCHES.

6. SEEDING:
BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES FINISHED AREAS SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOOMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE SELECTED TO BE PLACED PRIOR TO THE PLACEMENT OF MULCH AND FABRIC NETTING ANCHORED WITH STAPLES. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4' OF LOAM AND SEED AT AN APPLICATION RATE OF 5LBS/1000 S.F. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS SUFFICIENTLY VEGETATED (LESS THAN 75% CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING. SEED TYPE SHALL BE WINTER RYE.

7. INSPECTION AND MONITORING:
MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AT A MINIMUM, AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION.
FOLLOWING THE TEMPORARY AND OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING INSPECT AND REPAIR ANY DAMAGES AND/ OR UNESTABLISHED SPOTS. ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH.

STANDARDS FOR TIMELY STABILIZATION OF CONSTRUCTION SITES DURING WINTER

1. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS -- THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15. THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER 15. IF THE APPLICANT FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY SEPTEMBER 15, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE DITCH FOR LATE FALL AND WINTER.

INSTALL A SOD LINING IN THE DITCH -- THE APPLICANT WILL LINE THE DITCH WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING THE SOD WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD STRIPS FROM SLOUGHING DURING FLOW CONDITIONS.
INSTALL A STONE LINING IN THE DITCH --THE APPLICANT WILL LINE THE DITCH WITH STONE RIPRAP BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE APPLICANT WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES -- THE APPLICANT WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE APPLICANT WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% (10H:1V) TO BE A SLOPE. IF THE APPLICANT FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.

STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS -- BY OCTOBER 1 THE APPLICANT WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND APPLY EROSION CONTROL MATS OVER THE MULCHED SLOPE. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LAYER OF WOOD WASTE COMPOST AS DESCRIBED IN ITEM III OF THIS CONDITION OR WITH STONE RIPRAP AS DESCRIBED IN ITEM IV OF THIS CONDITION.

STABILIZE THE SLOPE WITH SOD -- THE APPLICANT WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE APPLICANT WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V).

STABILIZE THE SLOPE WITH WOOD WASTE COMPOST -- THE APPLICANT WILL PLACE A SIX-INCH LAYER OF WOOD WASTE COMPOST ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE WOOD WASTE COMPOST, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE APPLICANT WILL NOT USE WOOD WASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

STABILIZE THE SLOPE WITH STONE RIPRAP -- THE APPLICANT WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

3. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS -- BY SEPTEMBER 15 THE APPLICANT WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE APPLICANT FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.

STABILIZE THE SOIL WITH TEMPORARY VEGETATION -- BY OCTOBER 1 THE APPLICANT WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM III OF THIS STANDARD.

STABILIZE THE SOIL WITH SOD -- THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.

STABILIZE THE SOIL WITH MULCH -- BY NOVEMBER 15 THE APPLICANT WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

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EROSION & SEDIMENT CONTROL NOTES & DETAILS

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE601
DRAWN BY:	MRS		
SMRT FILE:	CE601-17052	SHEET No.	

24x36

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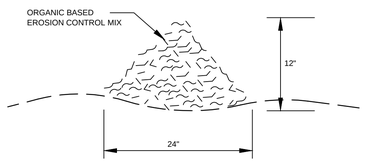


COMPOSITION:

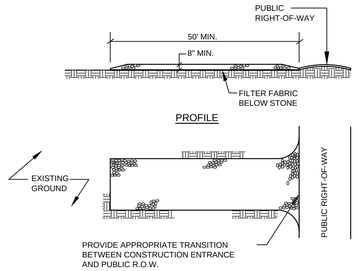
EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED 3/2003 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

INSTALLATION:

1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 2 FEET WIDE FOR SLOPES LESS THAN 5% IN GRADE AND SHALL BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
4. EROSION CONTROL MIX CAN BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS IN AREAS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS, AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM, GREATER THAN 8%, OR CONVEY FLOWING WATER.

EROSION CONTROL MIX BERM

NOT TO SCALE



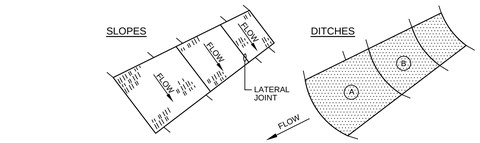
PLAN

NOTES:

1. STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
2. LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
5. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE/EXIT

NOT TO SCALE

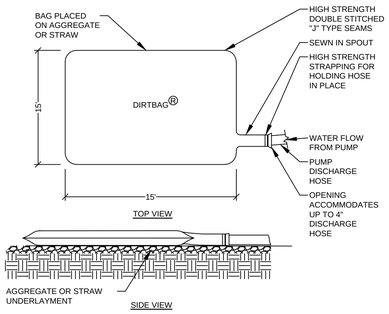


NOTES:

1. BURY THE TOP END OF THE MESH MATERIAL IN A 6" TRENCH AND BACKFILL AND TAMP TRENCHING SECURE END WITH STAPLES AT 6" SPACING, 4" DOWN FROM EXPOSED END.
2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STRIP BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED. OVERLAP B OVER A.
3. LATERAL JOINTS TO HAVE 4" OVERLAP OF STRIPS. STAPLE 18" ON CENTER.
4. STAPLE OUTSIDE LATERAL EDGE 2' ON CENTER.
5. WIRE STAPLES TO BE MIN. OF # 11 WIRE 6" LONG AND 1-1/2" WIDE.
6. USE NORTH AMERICAN GREEN DS 150 OR APPROVED EQUAL.

EROSION CONTROL BLANKET

NOT TO SCALE

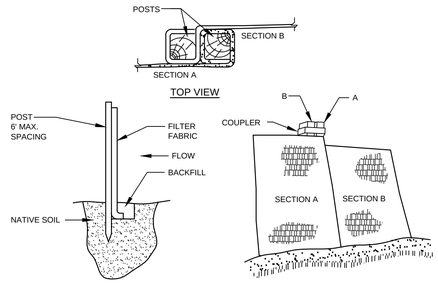


INSTALLATION NOTES:

1. DEWATERING IF NECESSARY FOR STORMWATER BMP CONSTRUCTION AND REMOVAL OF ACCUMULATED SEDIMENT SHALL BE ACCOMPLISHED WITHOUT DISCHARGING SEDIMENT LADEN WATER TO THE WETLANDS ABUTTING THE SITE.
2. CONTRACTOR MAY UTILIZE A GEOTEXTILE PUMPED SEDIMENT CONTROL DEVICE ("DIRTBAG" OR EQUIVALENT).
3. DIRTBAG SHALL BE INSTALLED TO MAINTAIN A MINIMUM 75' UNDISTURBED BUFFER FROM WETLANDS.
4. INSTALL DIRTBAG ON A 3" BED OF HAY TO MAXIMIZE FLOW OF WATER THROUGH ALL SURFACES OF THE BAG.
5. SURROUND DIRTBAG WITH A DOUBLE ROW OF SILTATION FENCE, OR AN EROSION CONTROL BERM BACKED BY SILTATION FENCE.

DIRTBAG PUMPED SILT CONTROL SYSTEM

NOT TO SCALE

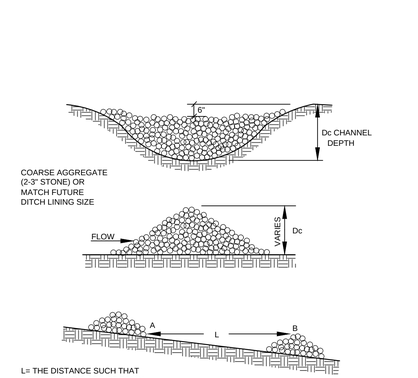


INSTALLATION NOTES:

1. FILTER BARRIER SHALL NOT BE INSTALLED WITHIN ANY SECURED AREA WHERE PRISONER CONTACT MAY OCCUR.
2. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
3. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
4. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
5. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
6. JOIN SECTION AS SHOWN ABOVE.
7. BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

SILT FENCE DETAIL

NOT TO SCALE



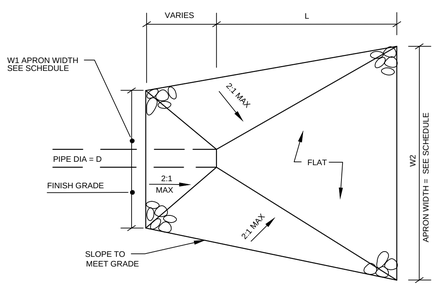
L= THE DISTANCE SUCH THAT
POINTS A AND B ARE OF EQUAL
ELEVATION

STONE CHECK DAM

NOT TO SCALE

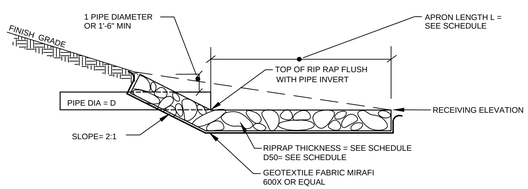
TYPICAL RIPRAP APRON SCHEDULE

CULVERT DIAMETER - D (IN.)	APRON LENGTH - L (FT.)	WIDTH -W1 (FT)	WIDTH -W2 (FT)	RIPRAP D50 (IN.)	RIPRAP THICKNESS (IN.)
≥12	8	3	9	6	14
15	10	4	12	6	14
18	13	5	15	7	16
24	18	6	20	8	18
36	29	9	32	11	25
42	33	11	37	12	27
48	39	12	43	16	36



NOTES:

1. RIPRAP TO BE PROCESSED ANGULAR ROCK.
2. RIPRAP GRADATION SHALL BE A WELL GRADED MIX FROM ABOUT 1.5 TIMES D_{50} SIZE TO 25 PERCENT OF THE D_{50} SIZE.
3. THE RIPRAP STONES SHALL BE CAREFULLY PLACED FROM THE TOE OF THE SLOPE UPWARD.
4. STONES SHALL BE LOWERED TO THE SLOPE AND NOT BE ALLOWED TO DROP MORE THAN 12" ONTO THE GEOTEXTILE.
5. THE FINISHED SURFACE SHALL BE A RELATIVELY SMOOTH, UNIFORMLY SLOPED SURFACE.

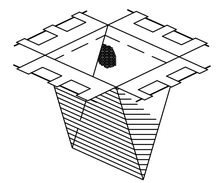


RIPRAP APRON

NOT TO SCALE

EXISTING BASIN

NEW INSTALLATION



SILT SACK PROTECTION

NOTES:

PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN A CATCH BASIN INSERT (SUCH AS A SILT SACK OR A DANDY BAG II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURES INSTRUCTIONS. HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

CATCH BASIN INLET PROTECTION DETAIL

NOT TO SCALE

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CIVIL DETAILS

SHEET TITLE:

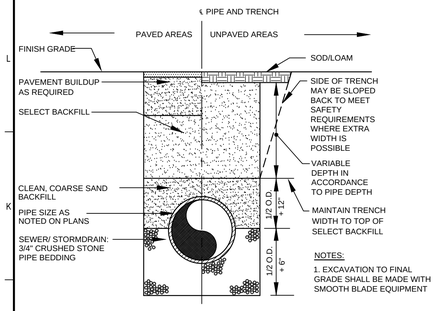
0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		
DRAWN BY:	MRS		
SMRT FILE:	CE602-17052	SHEET No.	CE602

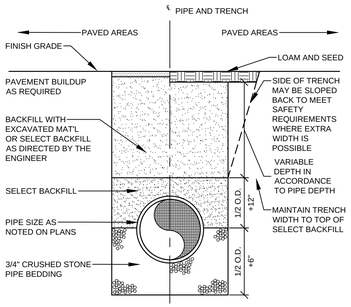
NOT FOR CONSTRUCTION

24x36



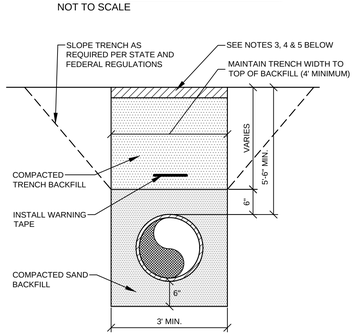
NOTES:
1. EXCAVATION TO FINAL GRADE SHALL BE MADE WITH SMOOTH BLADE EQUIPMENT

TYPICAL TRENCH SECTION
NOT TO SCALE



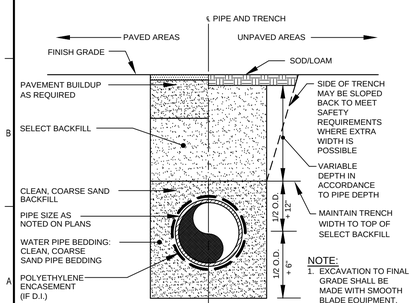
NOTE:
1. PLACE TRENCH BACKFILL MATERIAL IN 12" LIFTS.
2. COMPACT EACH LIFT TO 92% OF MAXIMUM.
3. CLAY DAMS WILL BE INSTALLED IN LEDGE TRENCHES EVERY 100 IN AREAS OF MORE THAN 3% SLOPE

SEWER TRENCH SECTION
NOT TO SCALE



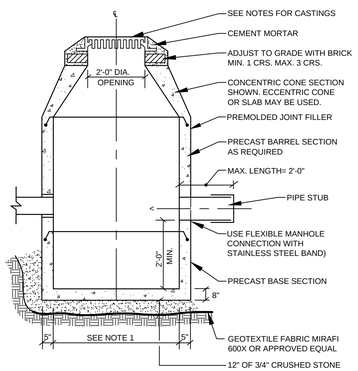
NOTES:
1. PLACE TRENCH BACKFILL MATERIAL IN 12" LIFTS.
2. COMPACT EACH LIFT TO 92% OF MAXIMUM.
3. TRENCH WORK IN GRAVEL SHOULDERS TO INCLUDE 15" OF NEW SURFACE GRAVEL. GRAVEL TO BE COMPACTED TO 92% OF MAXIMUM. 15" OF GRAVEL SHALL INCLUDE 12" M.D.O.T. 730.06 (b) TYPE "D" AND 3" SURFACE COURSE OF M.D.O.T. 703.06 (a) TYPE "A".
4. TRENCH WORK IN AREA OUTSIDE OF ROADWAYS AND SHOULDERS SHALL BE RESTORED TO PRECONSTRUCTION CONDITIONS OR AS DIRECTED BY TOWN ENGINEER.
5. RESTORE ALL PRIVATE DRIVEWAYS DISTURBED BY CONSTRUCTION.

PRESSURE SEWER TRENCH
NOT TO SCALE



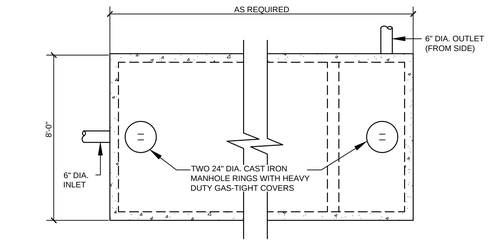
NOTE:
1. EXCAVATION TO FINAL GRADE SHALL BE MADE WITH SMOOTH BLADE EQUIPMENT.

TYPICAL WATER TRENCH SECTION
NOT TO SCALE

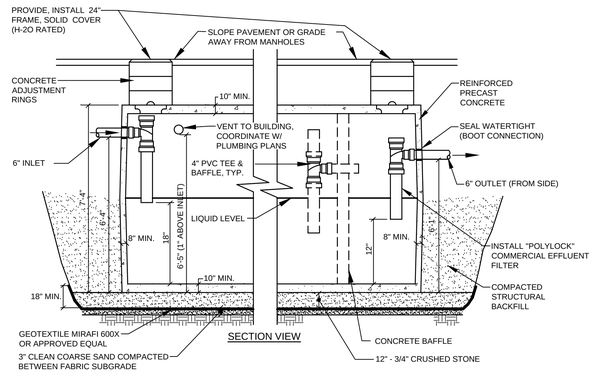


NOTES:
1. 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
3. PIPE SIZES AND INVERTS AS NOTED ON GRADING AND UTILITY PLANS.
4. CATCH BASIN SET IN PAVED AREAS: FRAME AND GRATE SHALL BE EAST JORDAN FOUNDRY 5250, OR APPROVAL EQUAL.
5. CATCH BASIN SET IN LANDSCAPED AREAS: FRAME SHALL BE V-3600-2 AND GRATE SHALL BE V-3800-2 BY EAST JORDAN FOUNDRY, OR APPROVED EQUAL.
6. DRAINAGE MANHOLE: FRAME AND COVER TO BE EAST JORDAN FOUNDRY 1080, TYPE A OR APPROVED EQUAL. COVER SHALL BE MARKED "DRAIN"

TYPICAL DRAINAGE MANHOLE/CATCH BASIN
NOT TO SCALE



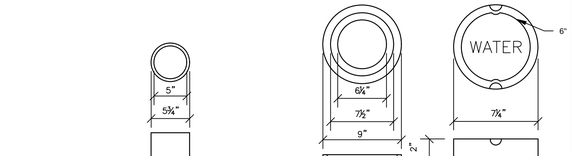
PLAN VIEW



SECTION VIEW

NOTES:
1. COAT INTERIOR OF TANK WITH EPOXY SEALER
2. ALL CONCRETE HAS A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS.
3. DIMENSIONS SHOWN ARE MINIMUMS. TANK IS DELEGATED DESIGN BY CONTRACTOR AND SHALL BE DESIGNED TO MEET LOADING AND COVER CONDITIONS.
4. SHALL BE DESIGNED FOR H-20 LOADINGS.
5. THE TONGUE AND GROOVE CENTER SEAM IS SEALED WITH A BUTYL SEALANT.
6. THE PVC TEE BAFFLES FOR THIS TANK CAN BE MOVED TO ANY OF THE (3) INLETS OR OUTLETS.
7. RUBBER BOOTED PIPE SEALS STANDARD AT ALL PIPE PENETRATIONS.
8. DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED GREASE INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. PROVIDE INTERCEPTOR WITH ADEQUATE STRUCTURAL STRENGTH TO ACCOMMODATE VEHICULAR TRAFFIC AT INSTALLATION LOCATION.
9. COAT EXTERIOR OF CONCRETE WITH BITUMASTIC SEALANT.
10. COORDINATE LOCATION WITH CIVIL AND PLUMBING DRAWINGS.
11. SEE UTILITY PLANS FOR INLET AND OUTLET PIPE SIZES AND INVERTS.

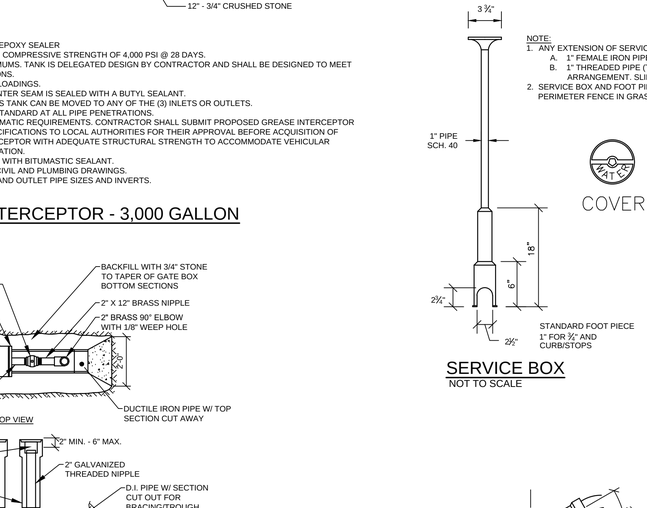
TYP. GREASE INTERCEPTOR - 3,000 GALLON
NOT TO SCALE



(NUMBERS ARE FOR 5½" BUFFALO VALVE BOXES)
(BASE SECTION MAY BE USED AS INTERMEDIATE SECTION)

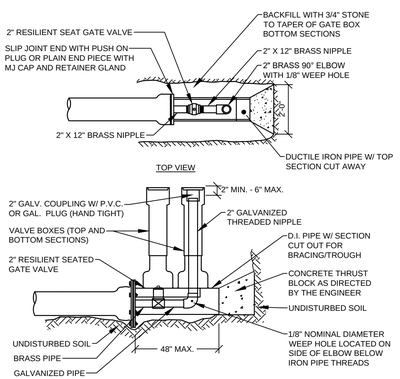
NOTE:
VALVE BOX COVERS SHALL BE WELDED SHUT WHEN INSTALLED INSIDE PERIMETER FENCE

VALVE BOX & COVER
NOT TO SCALE

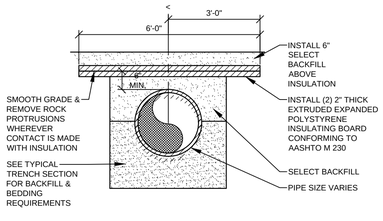


NOTES:
1. 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
3. PIPE SIZES AND INVERTS AS NOTED ON GRADING AND UTILITY PLANS.
4. PIPE CONNECTIONS SHALL BE WATERTIGHT FLEXIBLE BOOT CONNECTORS PROVIDES LEAKPROOF CONNECTION

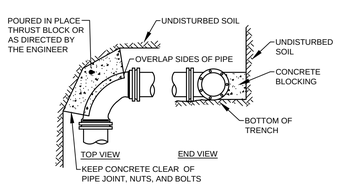
PRECAST SEWER MANHOLE
NOT TO SCALE



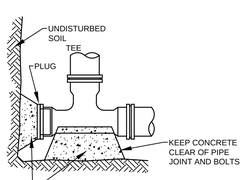
2" BLOW-OFF DETAIL
NOT TO SCALE



PIPE INSULATION DETAIL
NOT TO SCALE



CONCRETE THRUST BLOCK SIZE REQUIREMENTS				
		SQ. FT. OF BEARING ON UNDISTURBED SOIL		
FITTINGS		90° BENDS	45° BENDS	TEES AND PLUGS
PIPE SIZE	6"	4.0	2.0	3.0
	8"	8.0	4.0	6.0
	12"	15	10	10



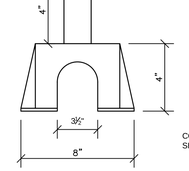
NOTE: IF DEAD END TEE, THRUST BLOCK WOULD BE REQUIRED OR AS DIRECTED BY THE ENGINEER

NOTE:
SEE THRUST/RETAINER GLAND SCHEDULE FOR TYPE OF BLOCKING TO BE USED ON BENDS

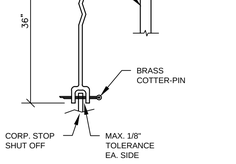
TEE & BEND DETAIL
NOT TO SCALE

NOTE:
1. ANY EXTENSION OF SERVICE BOX REQUIRES:
   A. 1" FEMALE IRON PIPE COUPLING
   B. 1" THREADED PIPE (THIS IS TO BE A NON-WELDED, TWO PIECE ARRANGEMENT. SLIP ON ADAPTERS ARE NOT PERMISSIBLE.)
2. SERVICE BOX AND FOOT PIECE SHALL ONLY BE USED OUTSIDE OF PERIMETER FENCE IN GRASSED AREAS.

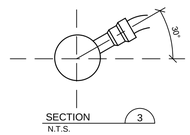
SERVICE BOX
NOT TO SCALE

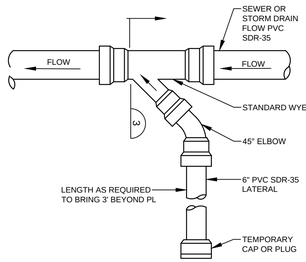


FOOT PIECE
NOT TO SCALE



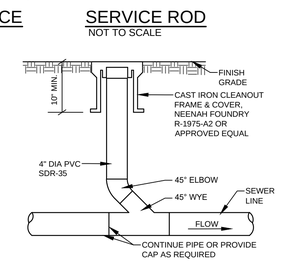
SERVICE ROD
NOT TO SCALE



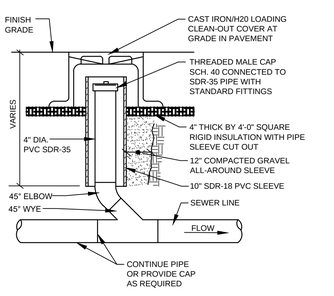


NOTES:
1. INSTALL BACKFLOW VALVE WITH RUBBER SEAL IN EACH FOUNDATION DRAIN SERVICE.
2. IF SUMP PUMP IS UTILIZED INSTALL CHECK VALVE AT SUMP PUMP.

SEWER / FOUNDATION DRAIN SERVICE CONNECTION
NOT TO SCALE



SEWER CLEANOUT IN GRASSED AREAS
NOT TO SCALE



SEWER CLEANOUT IN PAVEMENT AREAS
NOT TO SCALE

SEBAGO TECHNICS
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

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STATE OF MAINE — OWENS A. McCULLOUGH — No. 7122 — REGISTERED PROFESSIONAL ENGINEER — 08-14-2020

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CIVIL DETAILS

SHEET TITLE:

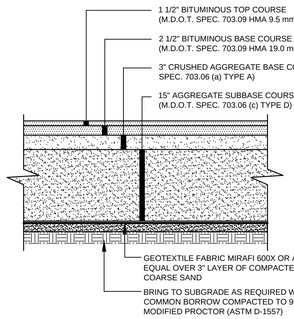
0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		
DRAWN BY:	MRS		
SMRT FILE:	CE603-17052	SHEET No.	CE603

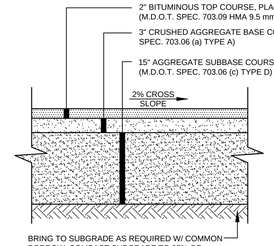
NOT FOR CONSTRUCTION

24x36



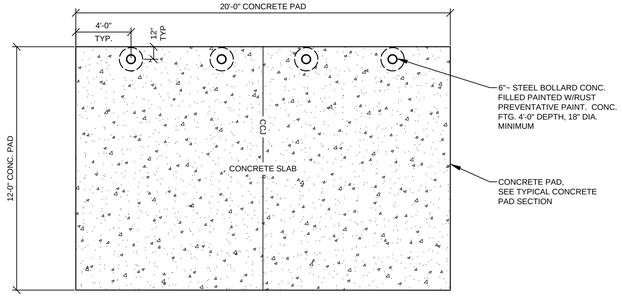
NOTES:
1. COMPACT GRAVEL SUBBASE AND BASE COURSES TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
2. HOT MIX ASPHALT SURFACE COARSE SHALL BE COMPACTED TO 95% OF ITS THEORETICAL MAXIMUM DENSITY (ASTM D-2041). BASE COARSE SHALL BE COMPACTED TO 95% 2.5% OF ITS THEORETICAL MAXIMUM DENSITY (ASTM D-2041).
3. APPLY TACK COAT BETWEEN SUCCESSIVE LIFTS OF BITUMINOUS PAVEMENT.
4. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

VEHICULAR PAVEMENT SECTION
NOT TO SCALE

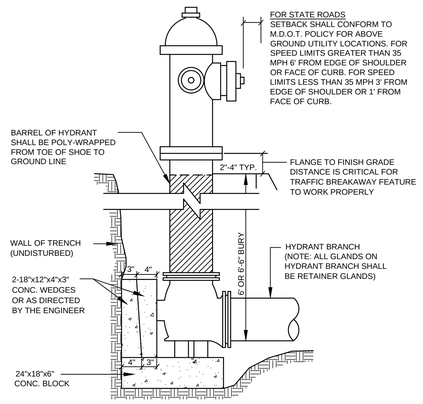


NOTES:
1. COMPACT GRAVEL SUBBASE AND BASE COURSES TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
2. HOT MIX ASPHALT SURFACE COARSE SHALL BE COMPACTED TO 95% OF ITS THEORETICAL MAXIMUM DENSITY (ASTM D-2041). BASE COARSE SHALL BE COMPACTED TO 95% 2.5% OF ITS THEORETICAL MAXIMUM DENSITY (ASTM D-2041).
3. APPLY TACK COAT BETWEEN SUCCESSIVE LIFTS OF BITUMINOUS PAVEMENT.
4. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

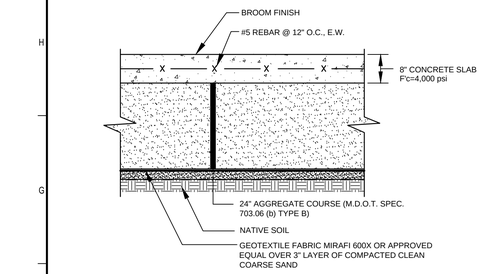
PEDESTRIAN (WALKWAY) PAVEMENT
NOT TO SCALE



DUMPSTER PAD DETAIL
NOT TO SCALE

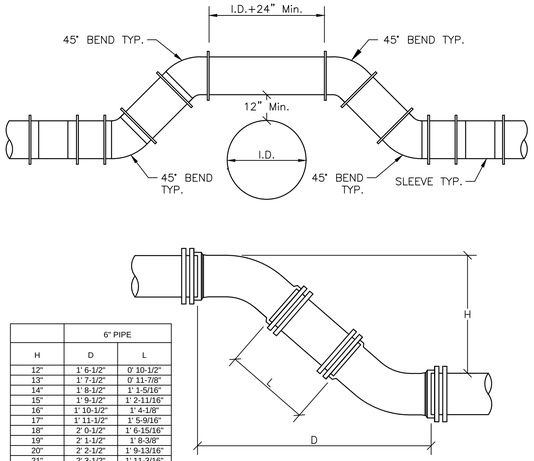


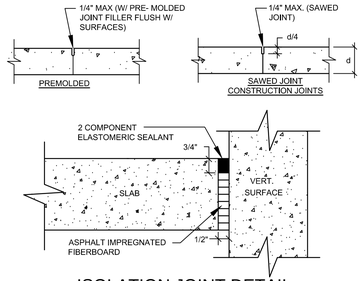
TYPICAL HYDRANT INSTALLATION
NOT TO SCALE



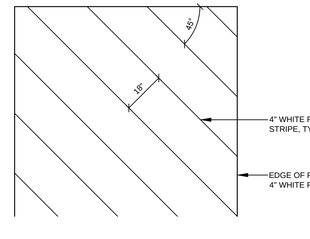
NOTE:
1. PROVIDE CONTRACTION CONTROL JOINTS EVERY 10'-0" IN EACH DIRECTION.
2. COAT CONCRETE WITH SILOXANE WATER PENETRATING SEALANT

TYPICAL CONCRETE PAD SECTION
NOT TO SCALE

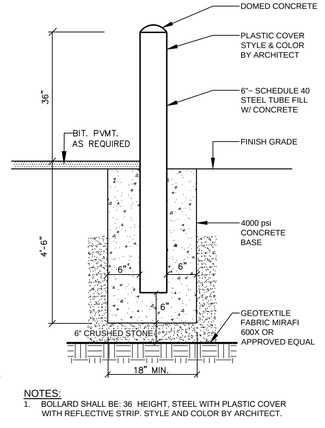




ISOLATION JOINT DETAIL
NOT TO SCALE

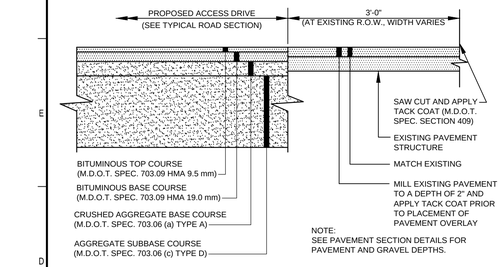


DIAGONAL PAINT MARKINGS
NOT TO SCALE



NOTES:
1. BOLLARD SHALL BE: 36 HEIGHT, STEEL WITH PLASTIC COVER WITH REFLECTIVE STRIP. STYLE AND COLOR BY ARCHITECT.

METAL BOLLARD
NOT TO SCALE



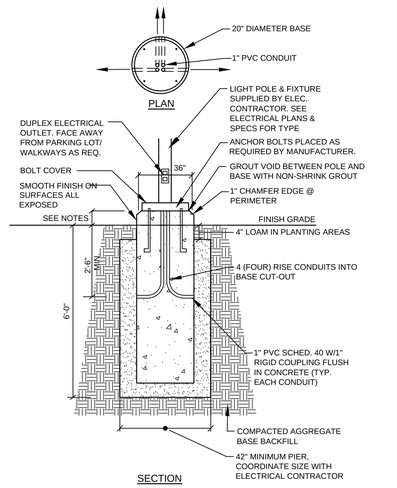
NOTE:
SEE PAVEMENT SECTION DETAILS FOR PAVEMENT AND GRAVEL DEPTHS.

TYPICAL PAVEMENT JOINT
NOT TO SCALE

H	6" PIPE D	L
12"	1' 6-1/2"	0' 10-1/2"
13"	1' 7-1/2"	0' 11-7/8"
14"	1' 8-1/2"	1' 1-5/16"
15"	1' 9-1/2"	1' 2-1/16"
16"	1' 10-1/2"	1' 4-1/8"
17"	1' 11-1/2"	1' 5-9/16"
18"	2' 0-1/2"	1' 6-15/16"
19"	2' 1-1/2"	1' 8-3/8"
20"	2' 2-1/2"	1' 9-13/16"
21"	2' 3-1/2"	1' 11-3/16"
22"	2' 4-1/2"	2' 0-5/8"
23"	2' 5-1/2"	2' 2"
24"	2' 6-1/2"	2' 3-7/16"

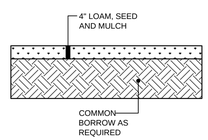
NOTE: DIMENSIONS APPLICABLE FOR SIGMA COMPACT BENDS. FOR TYLER COMPACT BENDS, ADD 1/2" TO "D" DIMENSION AND SUBTRACT 1/2" FROM "L" DIMENSION. FOR OTHER FITTINGS REFER TO MANUFACTURER'S RECOMMENDATIONS.

TYPICAL MAIN OFFSET DETAIL
NOT TO SCALE

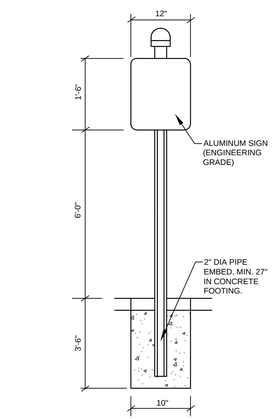


NOTES:
1. CONCRETE f'c=5000 psi. @ 28 DAYS WITH STEEL REINFORCEMENT
2. CONDUIT AND ANCHOR BOLTS PLACED AS REQUIRED PROVIDED BY ELECTRICAL CONTRACTOR
3. PROVIDE 2 COATS BITUMINOUS DAMPROOFING FOR ALL CONCRETE BELOW GRADE.
4. INSTALL BASE 3'-0" ABOVE FINISH GRADE IN LOCATIONS WHERE POLES ARE IN PARKING LOT PAVEMENT.
5. LIGHT POLE BASE AS MANUFACTURED BY SUPERIOR CONCRETE OR APPROVED EQUAL.
6. 18" HEIGHT IN LANDSCAPE AREAS WHEN LIGHT POLE BASE IS 3-FT. OR MORE FROM PAVED AREAS. (COORDINATE LOCATIONS WITH ELECTRICAL DRAWINGS.)
7. 30" IN PAVED AREAS AND LANDSCAPED AREAS WHERE LIGHT POLE BASE IS WITHIN 3-FT. OF PAVED AREAS. (COORDINATE LOCATIONS WITH ELECTRICAL DRAWINGS.)

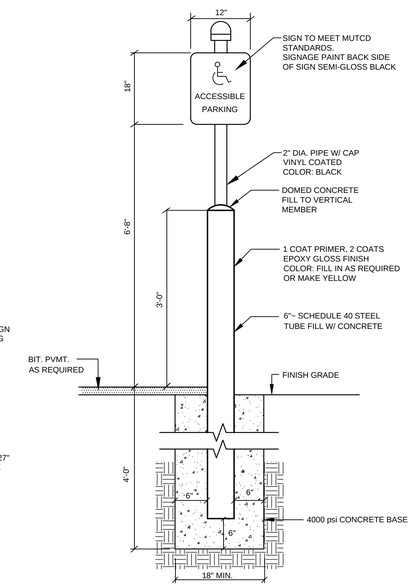
LIGHT POLE BASE HEIGHT
NOT TO SCALE



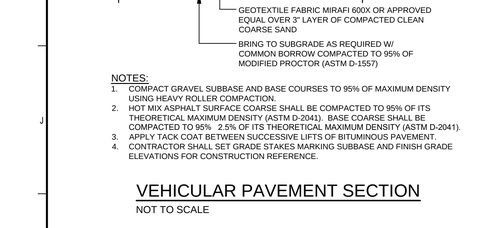
LOAM & SEED SECTION
NOT TO SCALE



TYPICAL SIGN DETAIL
NOT TO SCALE

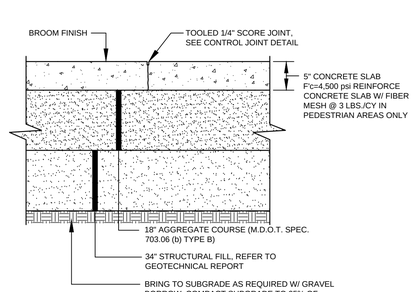


ACCESSIBLE SIGNS IN METAL BOLLARD
NOT TO SCALE



NOTES:
1. REFER TO DETAILS FOR PAVEMENT AND CONCRETE.
2. PROVIDE FULL DEPTH EXCAVATION OF FROST SUSCEPTIBLE MATERIALS AND SUBSEQUENT REPLACEMENT WITH A NON-FROST SUSCEPTIBLE COMPACTED STRUCTURAL FILL. STRUCTURAL FILL DEPTH SHALL BE MIN. 4.5' FROM FINISHED GRADE. REFER TO GEOTECHNICAL REPORT.

PAVEMENT SECTION @ BUILDING
NOT TO SCALE



NOTES:
1. CONCRETE SHALL BE 4,500 PSI COMPRESSIVE, 500 PSI FLEXURAL, 1½" AGGREGATE, WITH 6% (1%) AIR ENTRAINMENT.
2. PROVIDE CONTRACTION CONTROL JOINTS PER CONTROL JOINT DETAIL.
3. INSTALL SAWCUT JOINTS FOR CONTRACTION CONTROL AT 6' INTERVALS ALONG SIDEWALK. FOR OTHER AREAS, SEE SITE PLAN FOR SAWCUT JOINTS. COAT ALL CONCRETE WITH SILOXANE WATER PENETRATING SEALANT.
4. PROVIDE FULL DEPTH EXCAVATION OF FROST SUSCEPTIBLE MATERIALS AND SUBSEQUENT REPLACEMENT WITH A NON-FROST SUSCEPTIBLE COMPACTED STRUCTURAL FILL. REFER TO GEOTECHNICAL REPORT.

CONCRETE SECTION (PEDESTRIAN AREAS)
NOT TO SCALE

SEBAGO TECHNICS
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
08-14-20
CURRENT ISSUE STATUS:

STATE OF MAINE — OWENS A. McCULLOUGH No. 7122 — REGISTERED PROFESSIONAL ENGINEER — CIVIL ENGINEER
08-14-2020

SMRT Architects and Engineers
75 Washington Ave - Suite 3A
Portland, Maine 04101
1.877.700.7678
www.smrtinc.com
Architecture • Engineering • Planning

MDOC - DCF
MEN'S REENTRY CENTER
MACHIASPORT, MAINE

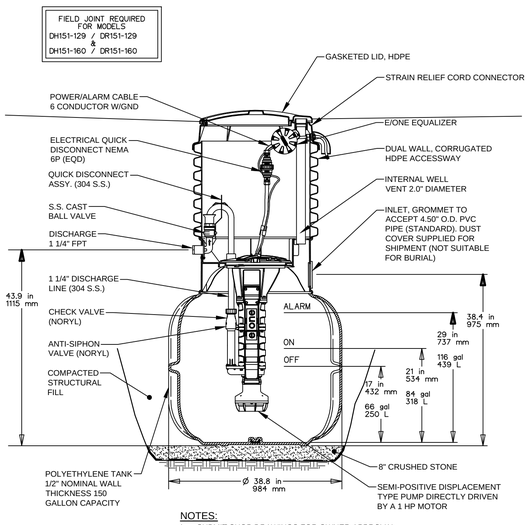
CIVIL DETAILS
SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB	CE604	
DRAWN BY:	MRS		
SMRT FILE:	CE604-17052	SHEET No.	

NOT FOR CONSTRUCTION

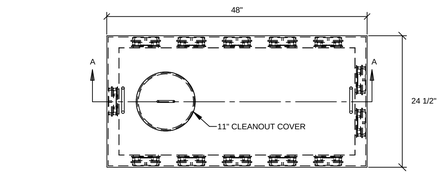
24x36

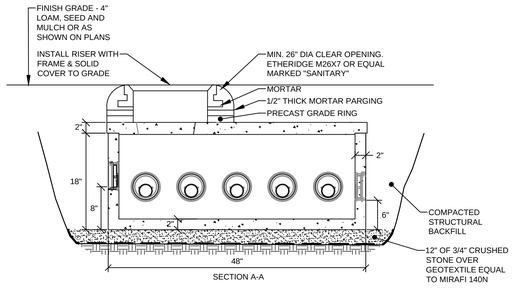


NOTES:
1. SUBMIT SHOP DRAWINGS FOR OWNER APPROVAL.
2. PROVIDE AND INSTALL ELECTRICAL AND ALARM AT MOTOR POOL BUILDING

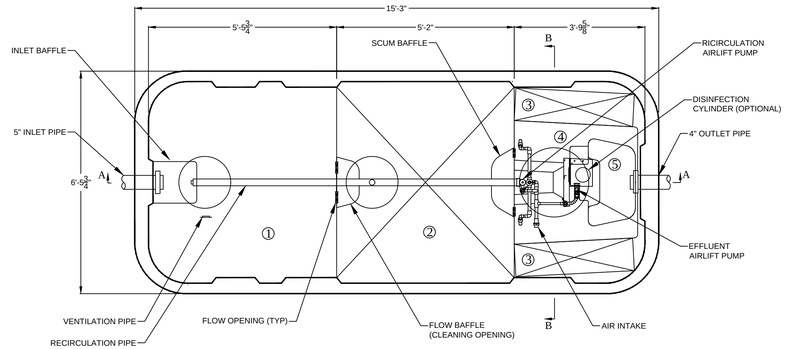
TYPICAL DH151 E-ONE PUMP

NOT TO SCALE

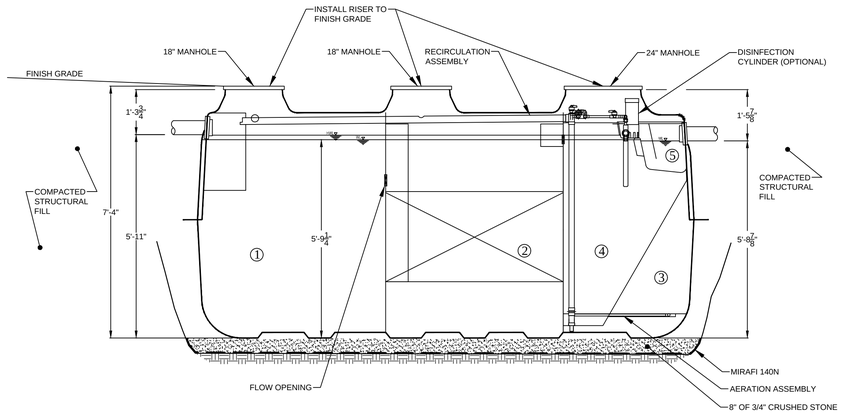




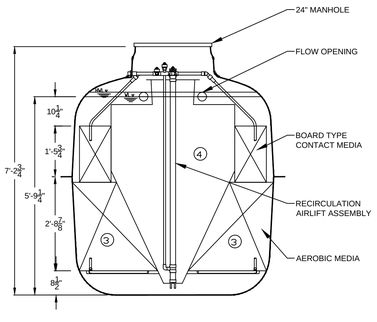
12 OUTLET DISTRIBUTION BOX



PLAN VIEW



SECTION A-A VIEW



SECTION B-B VIEW

NOTES:
1. CONTRACTOR TO COORDINATE WITH FUJI CLEAN FOR EQUIPMENT, INSTALLATION AND REQUIREMENTS OF SYSTEM.
2. CONTRACTOR TO COORDINATE WITH FUJI CLEAN FOR WORK MATERIALS AND INSTALLATION RESPONSIBILITY OF CONTRACTOR AND FUJI CLEAN FOR A COMPLETE OPERATING SYSTEM.
3. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT.
4. CONTRACTOR TO COORDINATE A PRE-INSTALLATION MEETING WITH ENGINEER, CONTRACTOR AND FUJI CLEAN.
5. PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD LAYOUT ALL COMPONENTS FOR REVIEW BY FUJI CLEAN AND DESIGN ENGINEER. CONTRACTOR SHALL ADJUST LOCATIONS AS DIRECTED.

FUJICLEAN CEN21 NITROGEN REDUCTION TANK DETAIL

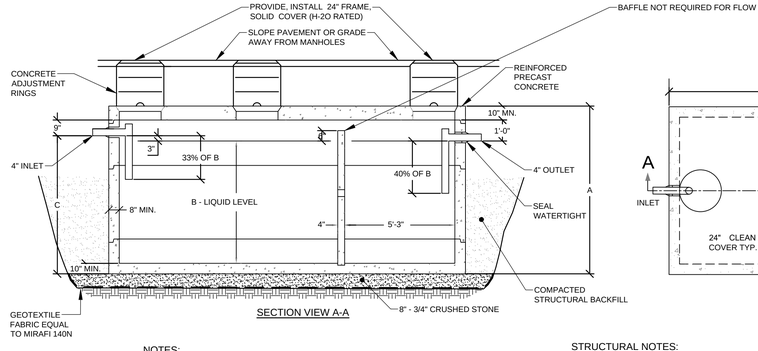
NOT TO SCALE

	CHAMBER	VOLUME (GAL)
①	SEDIMENTATION CHAMBER	1,200
②	ANAEROBIC FILTRATION CHAMBER	1,198
③	AEROBIC CONTACT FILTRATION CHAMBER	550
④	STORAGE CHAMBER	268
⑤	DISINFECTION CHAMBER	17
	TOTAL VOLUME	3,233

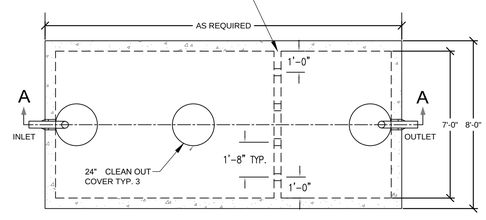
SPECIFICATIONS			
ANAEROBIC MEDIA	PP / PE	FILLING RATE	47%
BOARD TYPE AEROBIC MEDIA	PVC / PP / PE	FILLING RATE	17%
AEROBIC MEDIA	PP / PE	FILLING RATE	56%
BLOWER	7 CFM		
TANK	FRP		
PIPING	PVC / PP / PE		
ACCESS COVERS	PLASTIC / CAST IRON		
DISINFECTANT (OPTIONAL)	CHLORINE TABLETS		

CE30	
STANDARD HYDRAULIC LOAD	2700 GPD

NOTES:
1. SYSTEM SHALL BE A FUJI CLEAN USA CEN21.
2. PROVIDE AND INSTALL ALL ELECTRICAL AND CONTROLS.
3. SUBMIT SHOP DRAWINGS.
4. REFER TO SPECIFICATIONS.



SECTION VIEW A-A



PLAN VIEW

NOTES:
1. COAT INTERIOR OF TANK WITH EPOXY SEALER
2. ALL CONCRETE HAS A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI @ 28 DAYS.
3. SHALL BE DESIGNED FOR H-20 LOADINGS.
4. SHIPLAP JOINTS ARE SEALED WITH A 2 X 1 1/2" STRIP OF ASPHALTIC BUTYL RUBBER.
5. THE PVC TEE BAFFLES FOR THIS TANK CAN BE MOVED TO ANY OF THE (3) INLETS OR OUTLETS.
6. POLYLOK PIPE SEALS STANDARD AT ALL PIPE PENETRATIONS.
7. COAT EXTERIOR OF CONCRETE WITH BITUMASTIC SEALANT.
8. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.
9. SEE UTILITY PLANS FOR INLET AND OUTLET PIPE SIZES AND INVERTS.
10. SEPTIC TANK TO BE A TWO COMPARTMENT COMMERCIAL TANK.
11. SEPTIC TANK & FLOW EQUALIZATION TANK ARE DELEGATED DESIGN TO BE COMPLETED BY PRECAST MANUFACTURER.
12. PROVIDE SHOP DRAWING FOR ENGINEERS APPROVAL.

STRUCTURAL NOTES:
1. CONCRETE:
   a) 28 DAY COMPRESSIVE STRENGTH F'C= 5,000 PSI.
   b) CEMENT TO BE TYPE III PER ASTM C-150
   c) 4%-6% ENTRAINED AIR
2. STRUCTURAL REINFORCEMENT:
   a) REINFORCED FOR H-20 LOADING
3. BAR CLEARANCE/PROTECTION:
   a) 1 1/2" CLR. (UNLESS OTHERWISE NOTED

INSTALLATION REQUIREMENTS:
1. TO BE INSTALLED ON MIN. 8" THICK BED OF CRUSHED 3/4" STONE.
2. USE 1" CON-SEAL 102 AT JOINTS.
3. JOINT GAPS LESS THAN 0.5", GROUT TO FILL VOIDS.

GENERAL NOTES:
1. ALL BAFFLES AND WEIRS TO BE PRECAST CONCRETE.
2. CONTRACTOR TO SUPPLY AND INSTALL ALL PIPING & SAMPLING TEES GROUT IN ALL PIPES FILL WITH CLEAN WATER PRIOR TO "START-UP" OF SYSTEM VERIFY ALL BLOCKOUT SIZES AND LOCATIONS.

3000 GAL. SEPTIC TANK & 6,000 GAL. FLOW EQUALIZATION TANK

NOT TO SCALE

SEBAGO TECHNICS
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
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www.smrtinc.com
Architecture • Engineering • Planning

MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

WASTEWATER DETAILS

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE605
DRAWN BY:	MRS		
SMRT FILE:	CE605-17052	SHEET No.	

NOT FOR CONSTRUCTION

24x36

19231HHEREV

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION

>> CAUTION: LPI APPROVAL REQUIRED <<

City, Town, or Plantation	MACHIASPORT
Street or Road	64 BASE ROAD
Subdivision, Lot #	DOWNEAST CORRECTIONAL CENTER

Town/City_____ Permit # _____

Date Permit Issued ___/___/___ Fee: $_____ Double Fee Charged [ ]

Local Plumbing Inspector Signature L.P.I. # _____

□Owner □ Town □ State

OWNER/APPLICANT INFORMATION

Name (last, first, MI) ■ Owner □ Applicant	MAINE DEPARTMENT OF CORRECTIONS
Mailing Address of Owner/Applicant	25 TYSON DRIVE 3RD FLOOR SHS 111
	AUGUSTA, ME 04333-0111
Daytime Tel. #	(207) 287-2711

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 12 Lot # 53

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature (1st) Date Approved (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

□1. First Time System
■2. Replacement System
Type replaced: OBD
Year installed: 1950'S
□3. Expanded System
□a. <25% Expansion
□b. >25% Expansion
□4. Experimental System
□5. Seasonal Conversion

THIS APPLICATION REQUIRES

■1. No Rule Variance
□2. First Time System Variance
□a. Local Plumbing Inspector Approval
□b. State & Local Plumbing Inspector Approval
□3. Replacement System Variance
□a. Local Plumbing Inspector Approval
□b. State & Local Plumbing Inspector Approval
□4. Minimum Lot Size Variance
□5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

■ 1. Complete Non-engineered System
□ 2. Primitive System (graywater & alt. toilet)
□ 3. Alternative Toilet, specify:_____
□ 4. Non-engineered Treatment Tank (only)
□ 5. Holding Tank, _____ gallons
□ 6. Non-engineered Disposal Field (only)
□ 7. Separated Laundry System
■ 8. Complete Engineered System (2000 gpd or more)
□ 9. Engineered Treatment Tank (only)
□10. Engineered Disposal Field (only)
□11. Pre-treatment, specify: _____
□12. Miscellaneous Components

SIZE OF PROPERTY

13± □ SQ. FT. ■ ACRES

SHORELAND ZONING

□Yes ■No

DISPOSAL SYSTEM TO SERVE

□1. Single Family Dwelling Unit, No. of Bedrooms: ____
□2. Multiple Family Dwelling, No. of Units: _____
■3. Other: PRISON
(specify)
Current Use □Seasonal ■ Year Round □Undeveloped

TYPE OF WATER SUPPLY

□1. Drilled Well □2. Dug Well □3. Private
■4. Public □5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

■1. Concrete
■a. Regular
□b. Low profile
□2. Plastic
□3. Other:
CAPACITY: 9,000 GAL.

DISPOSAL FIELD TYPE & SIZE

□1. Stone Bed □2. Stone Trench
■3. Proprietary Device
■a. Cluster array □c. Linear
■b. Regular load □d. H-20 load
□4. Other:
SIZE: 12,672 ■sq. ft.□in. ft.

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
12(2) AII
at Observation Hole # TP-12
Depth 45 "
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

□1. Medium--- 2.6 sq. ft. / gpd
■2. Medium Large--- 3.3 sq. ft. / gpd
□3. Large--- 4.1 sq. ft. / gpd
□4. Extra Large--- 5.0 sq. ft. / gpd

GARBAGE DISPOSAL UNIT

■1. No □2. Yes □3. Maybe
If Yes or Maybe, specify one below:
□a. Multi-compartment tank
□b. ___ tanks in series
□c. Increase in tank capacity
□d. Filter on tank outlet

EFFLUENT/EJECTOR PUMP

□1. Not Required
■2. May Be Required
□3. Required
Specify only for engineered systems:
DOSE: GAL

DESIGN FLOW

6,180 gallons per day
BASED ON:
■1. Table 4A (dwelling unit(s))
□2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilites

50 INMATES AT 120 GPD
15 STAFF AT 12 GPD

□3. Section 4G (meter readings)
ATTACH WATER METER DATA

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 44 d 37 m 44.9 s
Lon. -67 d 23 m 48.7 s

SITE EVALUATOR STATEMENT

I certify that on 6-15-20 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).
revised 8-11-20

Site Evaluator Signature | 355 SE # | 6-24-20 Date | SEBAGO TECHNICS WWW.SEBAGOTECHNICS.COM

Gary M. Fullerton | (207) 200-2063 Telephone Number | gfullerton@sebagotechnics.com E-mail Address

Site Evaluator Name Printed

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

19231HHE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
MACHIASPORT	64 BASE ROAD	MAINE DEPARTMENT OF CORRECTIONS

IPF = IRON PIN FOUND
TP = TEST PIT B = BORING

SITE PLAN Scale 1" = 60 FT.

SITE LOCATION PLAN

SEE ATTACHED PLANS

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole _____ □ Test pit □ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Texture | Consistency | Color | Mottling

DEPTH BELOW MINERAL SOIL SURFACE (inches): 0, 10, 20, 30, 40, 50

SEE ATTACHED TEST PIT LOGS

Soil Classification	Slope	Limiting Factor	Ground Water / Restrictive Layer / Bedrock / Pit Depth
Profile / Condition	_____ %	_____ "	

Observation Hole _____ □ Test pit □ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Texture | Consistency | Color | Mottling

DEPTH BELOW MINERAL SOIL SURFACE (inches): 0, 10, 20, 30, 40, 50

Soil Classification	Slope	Limiting Factor	Ground Water / Restrictive Layer / Bedrock / Pit Depth
Profile / Condition	_____ %	_____ "	

Site Evaluator Signature | 355 SE # | 6-24-20 Date

SEBAGO TECHNICS, INC.

19231HHE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
MACHIASPORT	64 BASE ROAD	MAINE DEPARTMENT OF CORRECTIONS

ERP= ELEVATION REFERENCE POINT
IPF = IRON PIN FOUND
NOTES
1. ALLOW FOR POSITIVE DRAINAGE AROUND THE DISPOSAL FIELD.
2. REMOVE ALL VEGETATION AND SCARIFY THE AREA UNDER THE DISPOSAL FIELD, SHOULDER, AND FILL EXTENSION.
3. IF A GARBAGE DISPOSAL IS USED, THEN CHANGES TO THIS DESIGN ARE NECESSARY.

SUBSURFACE WASTEWATER DISPOSAL PLAN Scale 1" = 30FT.

PROPOSED DISPOSAL FIELD
22 ROWS OF 13 ADS
BIODIFFUSORS (11" HIGH)
IN CLUSTER ARRAY

SEE ATTACHED PLANS

NOTE: ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MAINE SUBSURFACE WASTE-WATER DISPOSAL RULES DATED 08/15, AS AMENDED, AND SUPPLEMENTED BY THE ATTACHED GENERAL NOTES WHICH BECOME A PART OF THIS DESIGN.

BACKFILL REQUIREMENTS
Depth of Fill (Upslope) _____
Depth of Fill (Downslope) _____

CONSTRUCTION ELEVATIONS
Finished Grade Elevation _____ Location & Description
Top of Distribution Pipe or Proprietary Device _____
Bottom of Disposal Area (Bottom of Stone) _____ Reference Elevation

ELEVATION REFERENCE POINT

DISPOSAL FIELD CROSS SECTION
CROSS SECTION A-B
12" SEPARATION USED IN DESIGN

SCALE:
VERTICAL: 1" = 3'
HORIZONTAL: 1" = 5'

SEE ATTACHED PLANS

Site Evaluator Signature | 355 SE # | 6-24-20 Date

SEBAGO TECHNICS, INC.

General Notes
(attachment to form HHE-200)
>2,000 gpd Septic System

1. The nature of the site evaluation profession is one of interpretation of soil and site conditions. We, in the field, attempt to both provide a satisfactory service to the client, and comply by the rules by which we are bound - the Maine Subsurface Wastewater Disposal Rules. If at any time you, the client, are not satisfied with the service provided or the results found, it is your right to hire another site evaluator for a second opinion.
2. Property information is supplied by the owner, applicant or representative. Such information presented herein shall be verified as correct by the owner or applicant prior to signing this application.
3. All work shall be in accordance with the Maine Subsurface Wastewater Disposal Rules dated 8/3/15, as amended.
4. All work on the disposal field should be performed under dry conditions.
5. No vehicular or equipment traffic to be allowed on disposal area unless H-20 load is specified. Disposal field shall be constructed from outside the corner stakes located in the field. The downslope area is also to be protected in the same manner.
6. Backfill, if required, is to be gravelly coarse sand texture and to be free of foreign debris (per Table 11A of the Maine Subsurface Wastewater Disposal Rules). If backfill is coarser than original soil, then mix a minimum of 4" of backfill material into original soil.
7. No neighboring wells are apparent (unless so indicated) within 300' of disposal area. Owner or applicant shall verify this prior to signing the application.
8. The disposal field stone shall be clean, uniform in size and free of fines, dust, ashes, or clay. It shall have a nominal size of 3/4" or 1½" (per Table 11B of the Maine Subsurface Wastewater Disposal Rules).
9. Minimum separation distances required (unless reduced by variance or special circumstance).
   a) wells with water usage of 2000 or more gpd or public water supply wells:
      Disposal Fields: 300'
      Treatment Tanks: 150'
   b) potable water supply to disposal field: 300'
   c) potable water supply to treatment tank: 100'
   d) treatment tank to lake, river, stream or brook: 100' for major watercourse, 50' for minor watercourse
   e) disposal field to lake, river, stream or brook: 300' for major watercourse, 150' for minor watercourse
   f) house to treatment tank: 20'
   g) house to disposal field: 40'
   - For all other separation distances, use separations for greater than 2,000 gpd per Maine Subsurface Wastewater Disposal Rules Table 7B for first-time
10. Location of septic system near a wetland may require a separate permit. As such, the owner, prior to construction of the septic system, shall hire a professional to evaluate proximity of adjacent wetlands and prepare necessary permit applications.
11. Garbage disposals are not recommended and, if installed, are done so at the owner's risk. The additional waste load requires increased maintenance frequency and may cause premature failure of disposal field.
12. Pump stations, when required, shall be installed watertight to prevent infiltration of ground and/or surface water.
13. Force mains and pressure lines shall be flushed of any foreign material and pumps shall be checked for proper on/off cycle before being put into service.
14. Force mains, pump stations, and/or gravity piping subject to freezing shall be installed below frost line or adequately insulated.

Sebago Technics, Inc., 75 John Roberts Rd., Suite 4A, South Portland, ME 04106-6963 (207) 200-2063

02/18

SEBAGO TECHNICS
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

REV	DESCRIPTION	DATE

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Architecture • Engineering • Planning

MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

HHE DETAILS

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	OAM	PROJECT NO:	17052
A/E OF RECORD:	OAM		
JOB CAPTAIN:	BJB		CE606
DRAWN BY:	MRS		
SMRT FILE:	CE606-17052	SHEET No.	

NOT FOR CONSTRUCTION

24x36

GENERAL NOTES:

1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE THE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES. INCONSISTENCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS. G.C. SHALL COORDINATE LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, ETC.

3. ALL DIMENSIONS AND COORDINATES SHALL BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

4. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

5. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.

6. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS.

7. REFERENCE ELEVATION 100'-0" ON STRUCTURAL DRAWINGS IS EQUAL TO 184.00' ON CIVIL DRAWINGS.

DESIGN NOTES

1. THIS BUILDING IS DESIGNED TO COMPLY WITH THE MAINE UNIFORM BUILDING CODE WHICH REFERENCES THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE AND ASCE7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES.

2. FLOOR LIVE LOADS ARE AS FOLLOWS:
   A. ENTIRE FLOOR = 100PSF

3. DEAD LOADS: DESIGN INCLUDES THE SELF WEIGHT OF STRUCTURAL COMPONENTS PLUS 5 PSF ALLOWANCE FOR MISCELLANEOUS DUCTWORK, SPRINKLER PIPING AND OTHER HUNG ITEMS.

4. SNOW LOAD:
   A. GROUND SNOW LOAD Pg = 50 PSF
   B. FLAT ROOF SNOW LOAD Pf = 42
   C. SNOW LOAD IMPORTANCE FACTOR I_S =1.0
   D. SNOW EXPOSURE FACTOR Ce = 1.0
   E. SNOW THERMAL FACTOR Ct = 1.2
   F. SNOW DRIFTING IN ACCORDANCE WITH ASCE7

5. WIND LOAD:
   A. BASIC WIND SPEED = 115 MPH
   B. RISK CATEGORY II
   C. WIND EXPOSURE = EXPOSURE B
   D. WIND INTERNAL PRESSURE COEFFICIENT GCpi = ±0.18
   E. DESIGN WIND LOADS:
      1. COMPONENTS AND CLADDING IN WALL CONSTRUCTION (ASSUMING EFFECTIVE WIND AREA > 20 SQUARE FEET)
         a. WITHIN 3 FEET FROM CORNERS = ±25.3 PSF
         b. AT ALL OTHER WALL SURFACES= ±21 PSF
      2. COMPONENTS AND CLADDING IN ROOF CONSTRUCTION. (ASSUMING EFFECTIVE WIND AREA >20 SQUARE FEET)
         a. WITHIN 3 FEET FROM CORNERS = -37.6 PSF
         b. OVERHANGS = 31.3
         c. ALL ROOF SURFACES = -20.2 PSF
      3. MAIN WIND FORCE RESISTING SYSTEM Pmax = ±19.7 PSF

6. EARTHQUAKE LOAD:
   A. SEISMIC IMPORTANCE FACTOR, I_E = 1.0
   B. MAPPED SPECTRAL RESPONSE ACCELERATION, S_S = 0.229 g
   C. MAPPED SPECTRAL RESPONSE ACCELERATION, S_1 = 0.071 g
   D. SITE CLASS = CLASS C
   E. SPECTRAL RESPONSE COEFFICIENT, S_{DS} = 0.183
   F. SPECTRAL RESPONSE COEFFICIENT, S_{D1} = 0.08
   G. SEISMIC DESIGN CATEGORY = CATEGORY B
   H. BASIC SEISMIC FORCE-RESISTING SYSTEM: LIGHT FRAMED (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
   I. RESPONSE MODIFICATION FACTOR, R = 6.5
   J. DESIGN BASE SHEAR, V = 82 K
   K. SEISMIC RESPONSE COEFFICIENT, C_S = 0.028
   L. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

EARTHWORK NOTES

1. ALL FOUNDATIONS AND SLABS SHALL BEAR ON SURFACES DECLARED IN THE GEOTECHNICAL REPORT.

2. WHERE THE SURFACE OF ACCEPTABLE BEARING OF EXISTING SOILS IS BELOW THE SPECIFIED BOTTOM OF CONCRETE ELEVATION, FILL TO THE SPECIFIED ELEVATION WITH COMPACTED STRUCTURAL FILL.

3. WHERE FILL MATERIALS ARE PLACED BENEATH FOUNDATIONS, PLACE COMPACTED STRUCTURAL FILL (OR CRUSHED STONE AS DESCRIBED IN THE GEOTECHNICAL REPORT) WITHIN A ZONE OF INFLUENCE BOUNDED BY A ONE-TO-ONE SLOPE ORIGINATING AT 1'-0" FROM FACE OF FOUNDATION, EXTENDED TO THE ACCEPTABLE BEARING SUBSTRATE.

4. BENEATH INTERIOR FLOOR SLABS ON GRADE PROVIDE THE FOLLOWING MATERIALS:
   A. VAPOR RETARDER: SEE SPECIFICATIONS
   B. 12" MIN. OF STRUCTURAL FILL, COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.
   C. A RADON PIT IS SPECIFIED, PLACE 8" MIN. OF STRUCTURAL FILL WITH A 6" MIN LAYER OF CRUSHED STONE ALL COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

5. BACKFILL FOUNDATIONS WITH COMPACTED STRUCTURAL FILL.

6. SPECIFIED FILL MATERIAL SHALL COMPLY WITH THE FOLLOWING GRADATIONS:

7. COMPACT FILL MATERIALS IN ACCORDANCE WITH ASTM D-1554 AND THE GEOTECHNICAL REPORT GUIDELINES FOR THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY:
   A. BUILDING INTERIOR: = 95%
   B. BUILDING EXTERIOR BENEATH EXTERIOR SLABS AND WALLS WITHIN 24" OF PAVEMENT OR CONCRETE SUB-GRADE = 95%
   C. BENEATH FOOTINGS WITH THE ZONE OF INFLUENCE DESCRIBED IN NOTE 3 = 95%
   D. BUILDING EXTERIOR AT ALL OTHER LOCATIONS = 90%

CONCRETE NOTES:

THESE NOTES ARE PROVIDED TO CLARIFY AND SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO SPECIFICATION SECTION 033000 FOR ADDITIONAL REQUIREMENTS.

1. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH ACI 318-14 AND ACI 301.

2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
   4000 PSI FOR INTERIOR SLABS
   5000 PSI FOR EXTERIOR SLABS
   4500 PSI FOR FOUNDATION WALLS AND FOOTINGS

3. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED.

4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315.

6. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318 UNLESS OTHERWISE NOTED ON THE DRAWINGS. UNLESS NOTED OTHERWISE, ALL REINFORCING SHALL BE LAPPED IN ACCORDANCE WITH, THE SCHEDULE SHOWN ON SHEET SB501.

8. COMPLETE SHOP DRAWINGS OF ALL REINFORCING STEEL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK.

CONCRETE SLAB-ON-GRADE NOTES:

1. THE VAPOR RETARDER SHALL BE AS SPECIFIED IN SECTION 03300. EDGE LAPS AND PENETRATIONS SHALL BE SEALED.

2. BASE MATERIAL UNDER THE SLAB SHALL BE AS NOTED IN THE EARTHWORK NOTES. THE TOP SURFACE OF THE BASE SHALL BE LEVEL TO WITHIN 3/8" OF DESIGN GRADE.

3. UNLESS NOTED OTHERWISE, SLABS-ON-GRADE SHALL BE 4" THICK. CONCRETE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1", WITH 90 TO 100 % PASSING A 1" SIEVE. SLABS SHALL BE REINFORCEMENT SHALL BE SUPPORTED WITH CHAIRS PLACED ON A MXIMUM SPACING OF 3 FT. IN BOTH PLAN DIRECTIONS. REFER TO NOTES ON FOUNDATION PLANS FOR ADDITIONAL SLAB-ON-GRADE REQUIREMENTS.

4. ALL CONCRETE FLOOR SURFACES SHALL BE STEEL TROWELLED. FLOORS SHALL BE CURED FOR A MINIMUM OF 7 DAYS.

5. AFTER 7 DAYS OF CURING, THE FLOOR SHALL BE CLEANED OF ALL DIRT, OIL, AND OTHER FOREIGN MATTER. FLOORS THAT RECEIVE A SEALER SHALL BE SEALED AT THIS TIME.

6. THE DRAWINGS SHOW ONLY MANDATORY SLAB JOINTS (CJ), EITHER CONTROL OR CONSTRUCTION JOINTS ARE ACCEPTABLE. REFER TO SB501 FOR TYPICAL DETAILS. THE CONTRACTOR SHALL LAYOUT REMAINING JOINTS. THE PANELS SHALL BE RECTANGULAR WITH A MAXIMUM JOINT SPACING OF 12.0' FOR 4" & 5" THICK SLABS. 15.0' FOR 6" THICK SLABS & 17.0' FOR 8" THICK SLABS, U.N.O. ON DRAWINGS. THE LONG PANEL DIMENSION SHALL NOT BE MORE THAN 1.5 TIMES THE SHORT PANEL DIMENSION. SAW-CUT JOINTS MAY NOT TERMINATE AT CROSSING SAW-CUT JOINTS. SAW-CUT JOINTS MAY TERMINATE AT CONSTRUCTION JOINTS OR SAW-CUT JOINTS CUT FULL-DEPTH 12" EACH SIDE OF THE INTERSECTION.

7. CONTINUE 50 PERCENT OF SLAB REINFOCEMENT THROUGH CONSTRUCTION AND/OR CONTROL JOINTS.

8. ISOLATION JOINTS SHALL HAVE 3/8" PREFORMED, CLOSED-CELL FOAM JOINT MATERIAL. THE TOP 1/2" OF THE JOINT SHALL BE FILLED WITH POLYURETHANE SEALANT.

FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY S.W.COLE, ENTITLED "GEOTECHNICAL ENGINEERING SERVICES, PROPOSED RE-ENTRY BUILDING DOWNEAST CORRECTIONAL FACILITY". THE CONTRACTOR SHALL OBTAIN, READ AND COMPLY WITH ALL REPORT RECOMMENDATIONS. PORTIONS OF INFORMATION FOUND IN THE REPORT ARE DUPLICATED BELOW FOR CONVENIENCE.

2. FOUNDATIONS ARE DESIGNED TO BEAR ON SOILS WITH AN ALLOWABLE BEARING PRESSURE OF 4000 PSF.

3. REMOVE ALL TOPSOIL, ORGANICS, PREVIOUS FILL MATERIAL, DEBRIS AND OTHER UNSUITABLE MATERIAL FROM WITHIN THE BUILDING FOOTPRINT AND 5 FEET BEYOND TO A MINIMUM DEPTH OF 12". EXCAVATE TO GREATER DEPTH WHERE REQUIRED TO REMOVE UNSUITABLE MATERIAL. EXTENSIVE REMOVALS ARE ANTICIPATED WITHIN THE PROJECT FOOTPRINT.

4. WHERE OVEREXCAVATION IS REQUIRED BENEATH FOOTINGS, EXTEND THE LIMITS AT LEAST 2'-0" BEYOND THE VERTICAL SURFACES AND PROJECTING AT A 1.5H:1V SLOPE AWAY FROM THE VERTICAL FOOTING SURFACES. BACKFILL TO THE SPECIFIED BOTTOM OF FOOTING ELEVATION WITH STRUCTURAL FILL, COMPACTED TO 95% OF THE MINIMUM DRY DENSITY PER ASTM D1557, MODIFIED PROCTOR.

5. FOOTING SUBGRADES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION OF FORMWORK.

6. ALL FILL MATERIAL SHALL BE NON-FROST SUSCEPTIBLE.

7. DEWATER EXCAVATIONS TO AT LEAST 1' BELOW BOTTOM OF FOOTING ELEVATION.

8. THE CONTRACTOR SHALL LIMIT THE EXPOSURE OF NATIVE SOILS TO WATER, FREEZING TEMPERATURES, VEHICLE, AND EXCESSIVE FOOT TRAFFIC AT FOOTING BEARINGS AND BENEATH FLOOR SLABS. PROVIDE TEMPORARY PROTECTION AS REQUIRED TO RETAIN THE INTEGRITY OF NATIVE SOILS.

9. PROVIDE A MINIMUM OF 4'-6" OF FROST PROTECTION BETWEEN THE BOTTOM OF EXTERIOR FOOTINGS AND ADJACENT FINISH GRADE WHEN BEARING ON GRANULAR MATERIAL OR PROVIDE A MINIMUM OF 2'-6" OF FROST PROTECTION WHEN BEARING DIRECTLY ON BEDROCK.

10. BACKFILL WITHIN 2'-0" OF FOUNDATION WALLS SHALL BE PLACED IN HORIZONTAL LIFTS WITH A MAXIMUM LOOSE THICKNESS OF 8 INCHES. THE MINIMUM COMPACTION PER ASTM D1557, MODIFIED PROCTOR SHALL BE 95% OF THE MAXIMUM DRY DENSITY. WHERE COMPACTION IS PROVIDED BY THE USE OF HAND GUIDED EQUIPMENT, REDUCE THE MAXIMUM PARTICLE SIZE TO 3 INCHES AND LIMIT LIFT THICKNESS TO 6 INCHES.

11. ALL FILL MATERIAL PLACED BELOW SLAB SUBGRADE WITHIN THE FOOTPRINT OF THE BUILDING SHALL BE STRUCTURAL FILL COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557, MODIFIED PROCTOR.

12. INSTALL A VAPOR RETARDER BENEATH ALL INTERIOR SLABS-ON-GRADE. SEAL THE VAPOR RETARDER AROUND ALL PENETRATIONS, AT LAPPED SPLICES, AND TERMINATIONS AGAINST FOUNDATION WALLS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

13. SEE CIVIL DRAWING FOR LOCATION OF FOUNDATION DRAINS AND DRAINAGE STRUCTURES.

WOOD FRAMING NOTES:

THESE NOTES ARE PROVIDED TO CLARIFY AND SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO SPECIFICATION SECTION 061000 FOR ADDITIONAL REQUIREMENTS.

1. INDIVIDUAL TIMBER FRAMING MEMBERS SHALL BE VISUALLY GRADED, MINIMUM GRADE NO.2 SPRUCE-PINE-FIR, U.O.N. MAXIMUM MOISTURE CONTENT SHALL BE 15% FOR MEMBERS W/ NOMINAL THICKNESS 2" OR LESS & 19% FOR THICKER MEMBERS.

2. PRESSURE TREATED TIMBER SHALL BE USED FOR SILL AND COLUMN MEMBERS AND WHERE SHOWN ON DRAWINGS. PRESSURE TREATED TIMBER SHALL BE SOUTHERN PINE #2.

3. ENGINEERED LUMBER BEAMS SHALL BE "VERSALAM" BY BOISE CASCADE, IN THE SIZE SHOWN ON THE DRAWINGS. UNITS BUILT UP WITH MULTIPLE PLIES SHALL BE INTERCONNECTED ACCORDING TO MANUFACTURER'S REQUIREMENTS.

4. ROOF SHEATHING SHALL BE 5/8" APA RATED SHEATHING, PANEL SPAN RATING 40/20, EXPOSURE 1, NAILED WITH MINIMUM OF 10d NAILS AT 4" OC AT BLDG PERIMETER (EDGE OF ROOF AT OVERHANGS), AT 6" O.C. AT OTHER SUPPORTED PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. A 1/8" GAP IS REQUIRED BETWEEN ROOF PANELS AT ALL END JOINTS.

5. END JOINTS FOR ROOF SHEATHING SHALL BE STAGGERED. LONG DIMENSION OF UNCUT SHEATHING PANELS SHALL BE PERPENDICULAR TO SUPPORTS.

6. THE QUANTITY AND SIZE OF FASTENERS CONNECTING WOOD FRAME MEMBERS SHALL BE NOT LESS THAN SPECIFIED IN IBC 2015 TABLE 2304.9.1 FASTENING SCHEDULE. ALL NAILS SHALL BE COMMON TYP NAILS, U.N.O.

7. HOLES FOR BOLTS SHALL BE DRILLED TO A DIAMETER THAT IS 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT. HOLES FOR THE UNTHREADED PORTION OF LAG SCREWS SHALL BE DRILLED TO A DIAMETER THAT IS THE SAME AS THE NOMINAL DIAMETER OF THE LAG SCREW SHANK. A PILOT HOLE FOR THE THREADED PORTION OF THE LAG SCREW SHALL BE DRILLED AND SHALL HAVE A DIAMETER THAT IS HALF THE NOMINAL DIAMETER OF THE LAG SCREW SHANK.

8. ALL MISCELLANEOUS METAL HARDWARE (HANGERS, TIES, ETC.) SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE OR APPROVED EQUAL.

9. PRE-MANUFACTURED MATERIALS, INCLUDING ANCHOR BOLTS AND SIMPSON HANGERS, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

10. WALL SHEATHING SHALL BE 1/2" APA RATED SHEATHING, STRUCTURAL 1, EXTERIOR 32/16 RATED. INSTALL PANELS W/ LONG DIMENSION PERPENDICULAR TO SUPPORTS & END JOINTS STAGGERED. FASTEN TO SUPPORTS WITH 10d NAILS @ 4" OC ALONG PANEL EDGES AND @ 12" OC TO INTERMEDIATE SUPPORTS/AS NOTED IN SCHEDULE.

11. ALL TOP PLATE SPLICES SHALL BE OVER A STUD OR HEADER, WITH A 4'-0" OVERLAP EACH WAY WITH SECOND TOP PLATE.

12. ATTACH ALL BOTTOM PLATES TO MUD SILL PLATES W/ MIN. OF (6) 12D NAILS PER 16" OF PLATE.

QUALITY ASSURANCE/SPECIAL INSPECTIONS:

1. STRUCTURAL SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER DURING CONSTRUCTION AS REQUIRED BY IBC 2015, CHAPTER 17. REFER TO THE SCHEDULE OF SPECIAL INSPECTION FOR THE REQUIRED INSPECTIONS SCOPE. THE SPECIAL INSPECTOR (OR INSPECTORS) FOR THE PROJECT IS TO BE RETAINED BY THE OWNER AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

2. NO STATEMENTS OF COMPLETION WILL BE ISSUED BY THE SPECIAL INSPECTOR (OR INSPECTORS) WITHOUT COMPLETION OF THE SPECIAL INSPECTION REQUIREMENTS.

3. SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR (OR INSPECTORS), AND IN ACCORDANCE WITH THE "SCHEDULE OF SPECIAL INSPECTIONS", PREPARED BY THE STRUCTURAL ENGINEER OF RECORD. ONLY PERSONNEL AUTHORIZED BY THE APPROVED "LIST OF AGENTS" ARE QUALIFIED TO PERFORM THE TASKS OUTLINED IN THE SCHEDULE.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CONSTRUCTION ACTIVITIES AND SEQUENCES WITH THE SPECIAL INSPECTOR AND/OR HIS AGENTS TO PERFORM THE REQUIRED INSPECTION AND TESTING. ANY INSTALLED ITEMS THAT CONCEAL UNINSPECTED ITEMS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

STATE OF MAINE
BRIAN T STEELE
15525
REGISTERED PROFESSIONAL ENGINEER
8-14-2020

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MEN'S REENTRY CENTER

MAINE

STRUCTURAL GENERAL NOTES

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

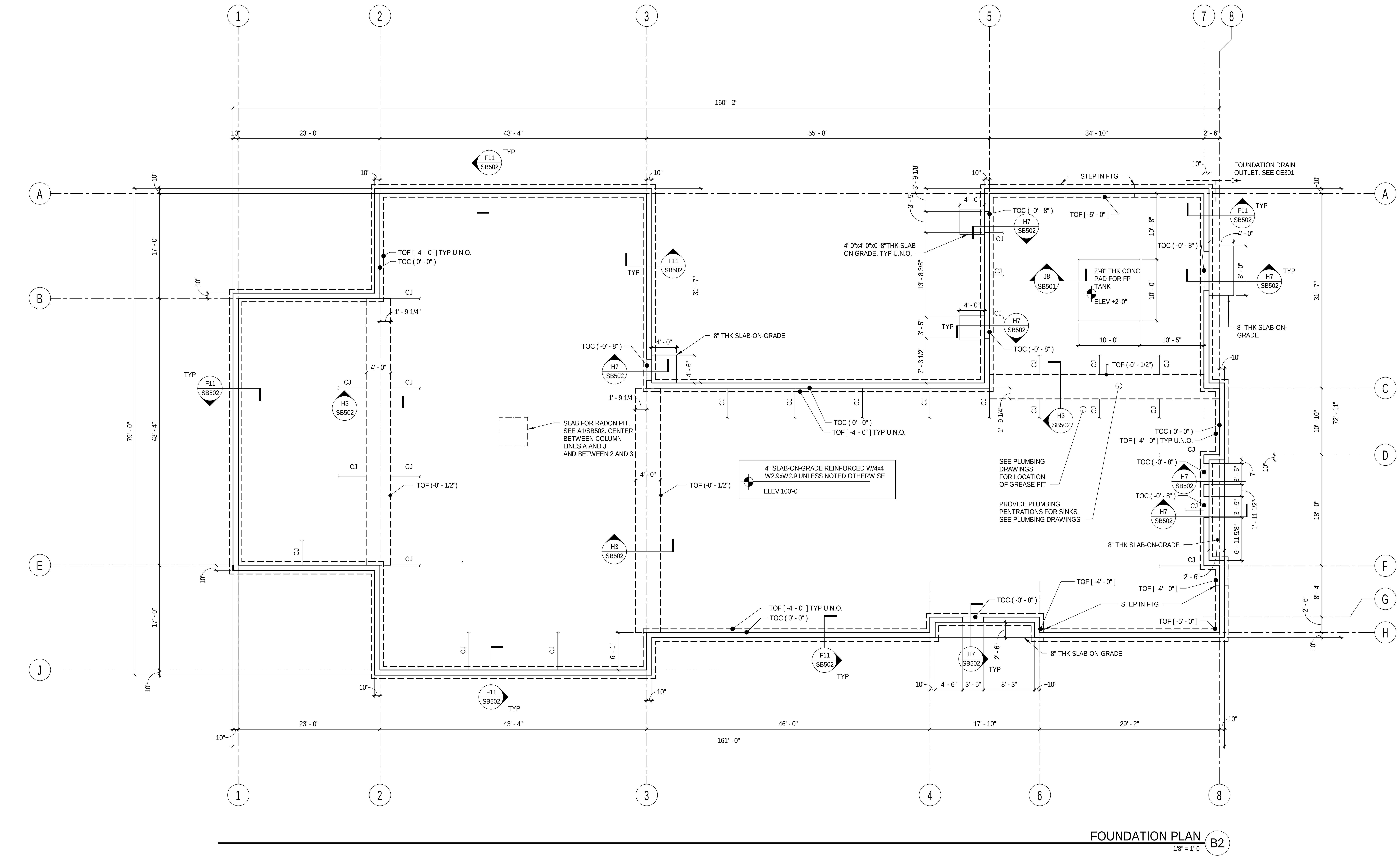
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		
DRAWN BY:	CJD		
SMRT FILE:	S-001-19176	SHEET No.	S-001

24x36

FOUNDATION NOTES:

1. TOP OF CONCRETE ELEVATION = 100' - 0" (FINISH CONCRETE SLAB ELEVATION), UNLESS NOTED (+/- 0' - 0") FROM THIS ELEVATION.
2. TOP OF FOOTING ELEVATION IS INDICATED TOF [X'-X"].
3. TOP OF CONCRETE WALL ELEVATION IS INDICATED TOC (X' - 0").
4. COORDINATE PENETRATIONS THROUGH FOUNDATION WALLS WITH PLUMBING, ELECTRICAL, AND SITE DRAWINGS.
5. REFER TO SITE DRAWINGS FOR PERIMETER FOUNDATION DRAIN INFORMATION.
6. "CJ" REFERS TO CONTROL OR CONSTRUCTION JOINTS



FOUNDATION PLAN (B2)

1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE
BRIAN T. STEELE
15525
LICENSED PROFESSIONAL ENGINEER
8-14-2020

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MAINE

FOUNDATION PLAN

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		SB101
DRAWN BY:	CJD		
SMRT FILE:	SB101-19176	SHEET No.	

CONCRETE REINFORCING SPLICE LENGTHS:

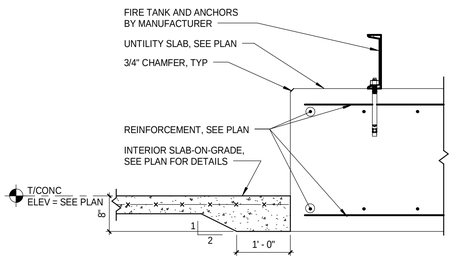
WHERE LAP SPLICE LENGTHS FOR REINFORCING STEEL ARE NOT SPECIFIED, PROVIDE SPLICE LENGTHS IN ACCORDANCE W/ THE FOLLOWING:

BAR SIZE	3000 PSI				4000 PSI				4500 PSI			
	0.75" <= CONCRETE COVER < 2.0"		CONCRETE COVER >= 2.0"		0.75" <= CONCRETE COVER < 2.0"		CONCRETE COVER >= 2.0"		0.75" <= CONCRETE COVER < 2.0"		CONCRETE COVER >= 2.0"	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	32"	25"	21"	16"	28"	21"	18"	14"	26"	20"	17"	16"
#4	43"	33"	29"	22"	37"	28"	25"	19"	35"	27"	23"	18"
#5	53"	41"	36"	27"	46"	36"	31"	24"	44"	34"	30"	22"
#6	64"	49"	43"	33"	55"	43"	37"	28"	52"	40"	35"	27"
#7	93"	72"	62"	48"	81"	62"	54"	42"	77"	59"	51"	39"
#8	107"	82"	71"	55"	92"	71"	62"	47"	87"	67"	58"	45"
#9	120"	93"	73"	62"	104"	80"	69"	53"	98"	75"	65"	50"
#10	135"	105"	90"	70"	116"	89"	77"	59"	111"	85"	74"	57"

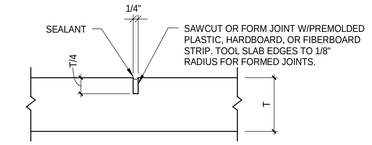
NOTES:

1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
2. TABLE ASSUMPTIONS:
   A. NORMAL WEIGHT CONCRETE
   B. UNCOATED REINFORCING
   C. CLEAR SPACE BETWEEN BARS IS TWICE BAR DIAMETER OR LARGER

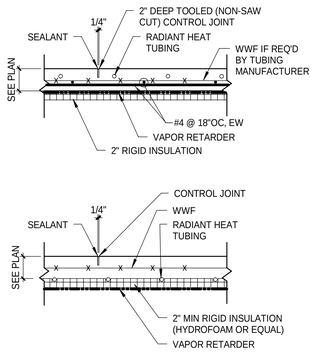
SPLICE LENGTH TABLES H11
3/4" = 1'-0"

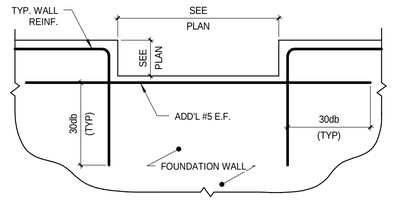


SECTION J8
3/4" = 1'-0"

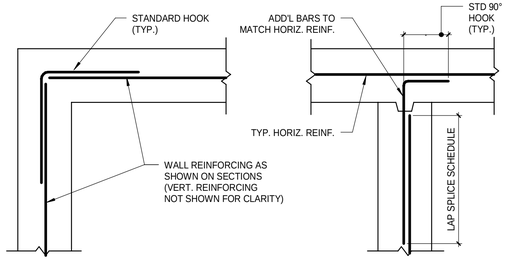


TYPICAL SLAB-ON-GRADE CONTROL JOINT G5
3/4" = 1'-0"

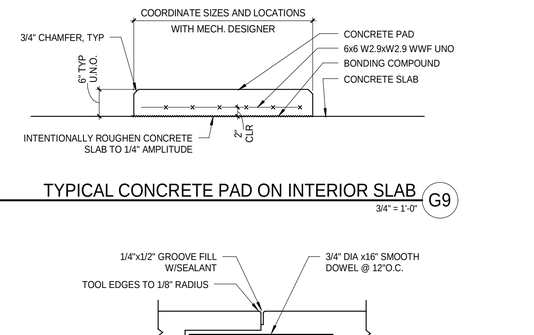




TYPICAL STEP IN TOP OF FOUNDATION WALL K1
3/4" = 1'-0"



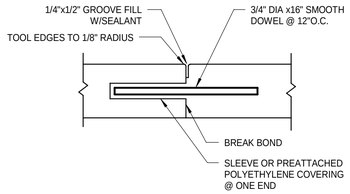
TYPICAL WALL CORNER INTERSECTING REINFORCING G1
3/4" = 1'-0"



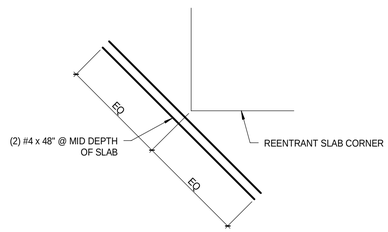
NOTES:
1. MAX SPACING BETWEEN JOINTS SHALL BE 30'-0"
2. MAX DISTANCE FROM BUILDING CORNER TO JOINT SHALL BE 15'-0"
3. CONSTRUCTION JOINTS MAY BE SUBSTITUTED FOR CONTROL JOINTS AT CONTRACTOR'S OPTION.

TYPICAL CONTROL JOINT IN WALL E12
3/4" = 1'-0"

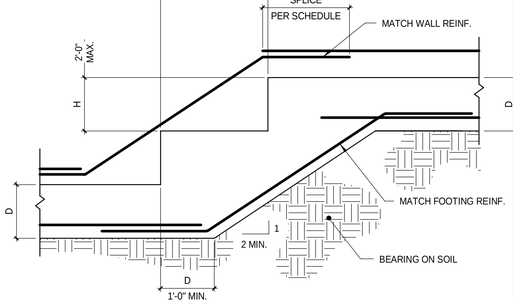
TYPICAL CONCRETE PAD ON INTERIOR SLAB G9
3/4" = 1'-0"



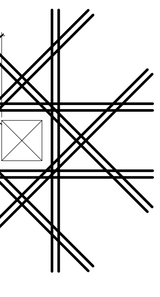
TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT E9
3/4" = 1'-0"



TYPICAL REENTRANT SLAB REINFORCEMENT DETAIL D5
3/4" = 1'-0"

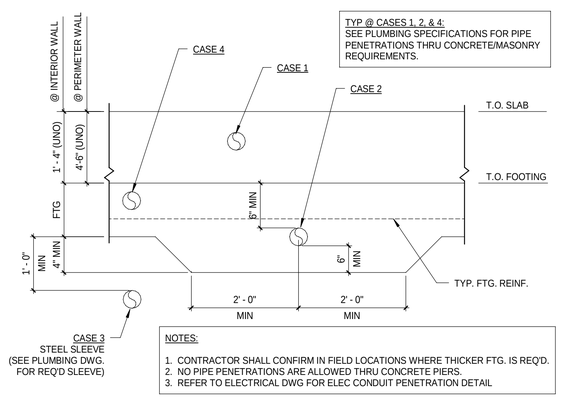


TYPICAL STEPPED FOOTING D1
3/4" = 1'-0"



NOTES:
1. PROVIDE ADDITIONAL REINFORCEMENT AS SHOWN FOR OPENINGS IN FOUNDATION WALLS WITH ANY DIMENSIONS >12", EXCEPT WHERE OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR LOCATIONS.
3. PROVIDE ONE LAYER OF ADDITIONAL REINFORCEMENT AT WALLS LESS THAN 10" THICK. PROVIDE 2 LAYERS AT WALLS 10" AND THICKER.

TYPICAL REINFORCED OPENING IN FOUNDATION WALL OR SLAB A11
3/4" = 1'-0"



TYP @ CASES 1, 2, & 4:
SEE PLUMBING SPECIFICATIONS FOR PIPE PENETRATIONS THRU CONCRETE/MASONRY REQUIREMENTS.

NOTES:
1. CONTRACTOR SHALL CONFIRM IN FIELD LOCATIONS WHERE THICKER FTG. IS REQ'D.
2. NO PIPE PENETRATIONS ARE ALLOWED THRU CONCRETE PIERS.
3. REFER TO ELECTRICAL DWG FOR ELEC CONDUIT PENETRATION DETAIL

PIPE LOCATION CASES:

CASE 1 - PIPE ABOVE FOOTING:
SEE DETAIL A1/SB501 FOR TYPICAL FOUNDATION WALL REINFORCING.

CASE 1A
INDIVIDUAL PIPES W/ D < 12" SHALL BE INSTALLED W/ 8" MIN GAPS BETWEEN PIPES - HORIZONTAL AND VERTICAL.

CASE 1B
MULTIPLE PIPES GROUPED TOGETHER CAN BE INSTALLED IN SINGLE BONDOUT: 18"x18" MAX W/ A MIN OF 18" OF CONCRETE ABOVE THE BONDOUT. MULTIPLE 18"x18" BONDOUTS MAY BE INSTALLED W/ A MIN 24" OF CONCRETE BETWEEN THEM.

CASE 1C
IF THE REQUIRED BONDOUT DOES NOT MEET CRITERIA IN CASE 1B ABOVE, SUBMIT THE PROPOSED BONDOUT TO SER FOR REVIEW PRIOR TO CONSTRUCTION.

CASE 2 - PIPE AT BOT OF FOOTING:
THICKEN FOOTING AS SHOWN ON DETAIL.

CASE 3 - PIPE BELOW FOOTING:
NO MODIFICATION TO FOOTING REQIRED UNLESS SHOWN OTHERWISE ON FDN PLAN.

CASE 4 - PIPE LOCATED AT, OR NEAR, FOOTING AND NOT MEETING CRITERIA FOR CASE 2 OR 3:
STEP FOOTING SO THE PIPE IS LOCATED ABOVE THE TOP OF THE FOOTING. APPROX LOCATIONS ARE SHOWN ON FDN PLAN.

CONSTRUCTION GUIDELINES - WALL FOOTING AT PIPE PENETRATION A1
3/4" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20
CURRENT ISSUE STATUS:

STATE OF MAINE
BRIAN T. STEELE
15525
PROFESSIONAL ENGINEER
8-14-2020

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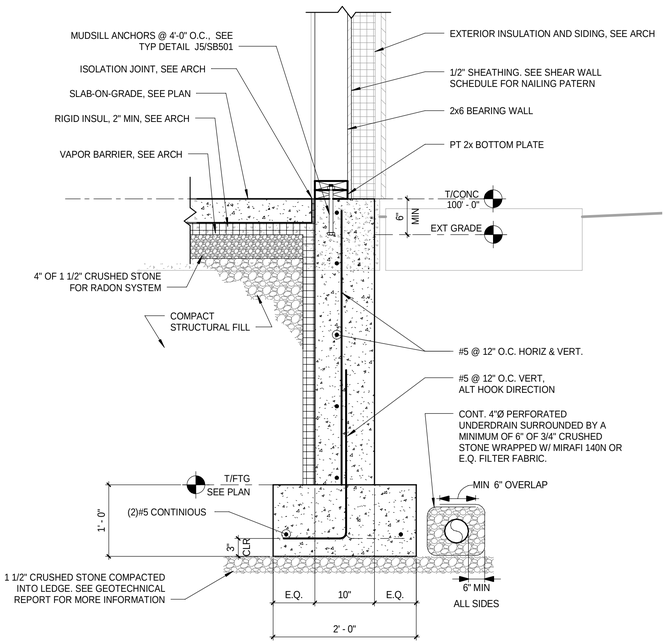
MAINE

FOUNDATION DETAILS
SHEET TITLE:

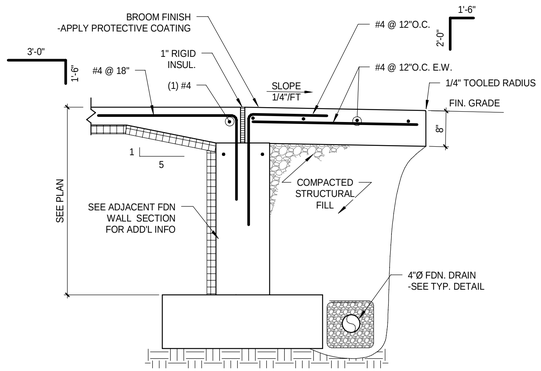
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		
DRAWN BY:	CJD		
SMRT FILE:	SB501-19176	SHEET No.	SB501

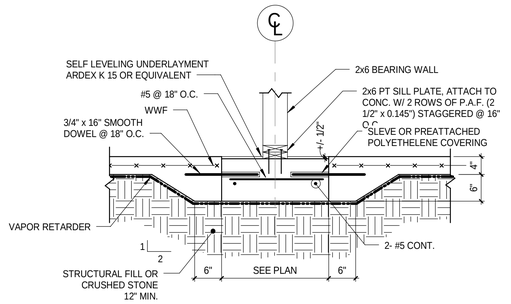
24x36



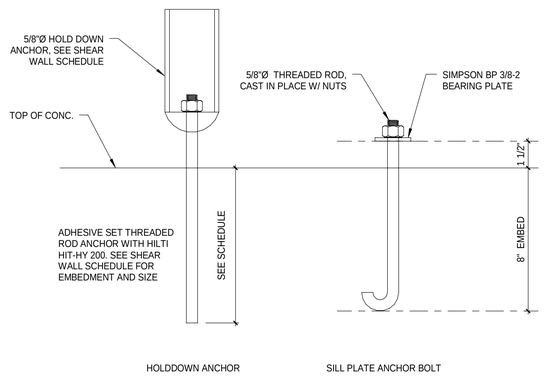
SECTION F11
1" = 1'-0"



TYPICAL SECTION @ DOOR H7
3/4" = 1'-0"



TYPICAL THICKENED SLAB AT BEARING WALL H3
3/4" = 1'-0"

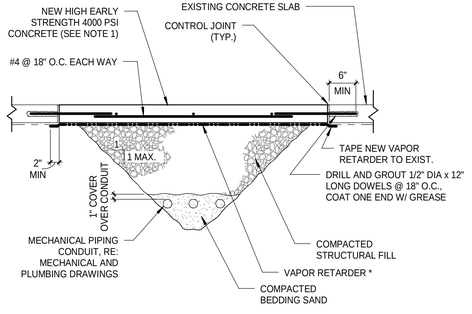


HOLDDOWN ANCHOR SILL PLATE ANCHOR BOLT

NOTES:

1. ALL RODS TO BE F1554 GR 36, ALL WASHERS A36.
2. HOLES IN PLATE WASHERS SHALL BE EQUAL TO ANCHOR ROD DIAMETER PLUS 1/16".

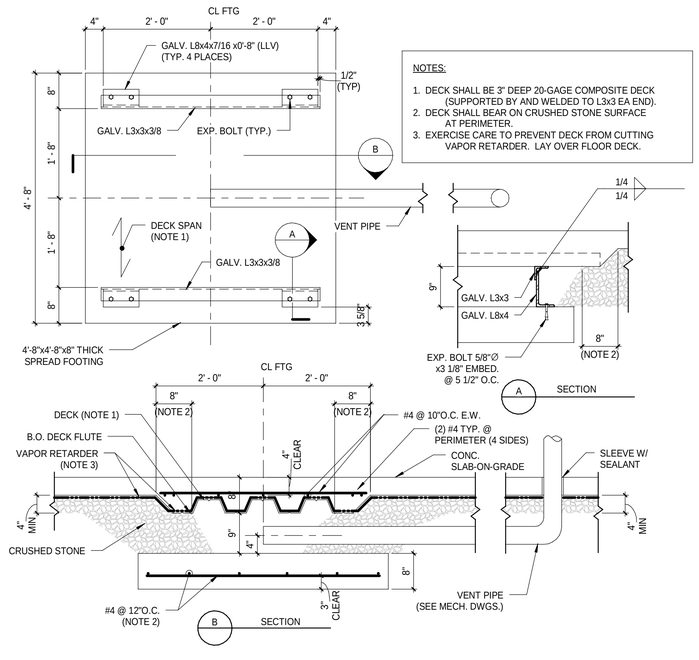
TYPICAL HOLDDOWN AND SILL PLATE ANCHORS A11
3" = 1'-0"



NOTES:

1. CONCRETE SHALL BE LOW SLUMP (<4"), HIGH EARLY STRENGTH WITH RAPID SETTING CEMENT BY CTS OR EQUAL.
2. NEW CONCRETE SLAB THICKNESS SHALL MATCH EXISTING.
3. PROVIDE TRANSVERSE SAW CUT CONTROL JOINTS THAT ARE 1/4 OF THE SLAB DEPTH AND ARE SPACED 1.5X THE TRENCH WIDTH.
4. PROVIDE CONTROL JOINTS AT INTERFACE BETWEEN NEW AND EXISTING CONCRETE.
5. WET CURE FOR 7 DAYS MINIMUM.
6. * VAPOR RETARDER REQUIRED ONLY IF THERE IS A VAPOR RETARDER UNDER EXISTING LAB.

TYPICAL SLAB TRENCHING DETAIL A7
3/4" = 1'-0"



NOTES:

1. DECK SHALL BE 3" DEEP 20-GAGE COMPOSITE DECK (SUPPORTED BY AND WELDED TO L3x3 EA END).
2. DECK SHALL BEAR ON CRUSHED STONE SURFACE AT PERIMETER.
3. EXERCISE CARE TO PREVENT DECK FROM CUTTING VAPOR RETARDER. LAY OVER FLOOR DECK.

TYPICAL RADON PIT A1
3/4" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE BRIAN T STEELE 15525 REGISTERED PROFESSIONAL ENGINEER

8-14-2020

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MAINE

FOUNDATION DETAILS

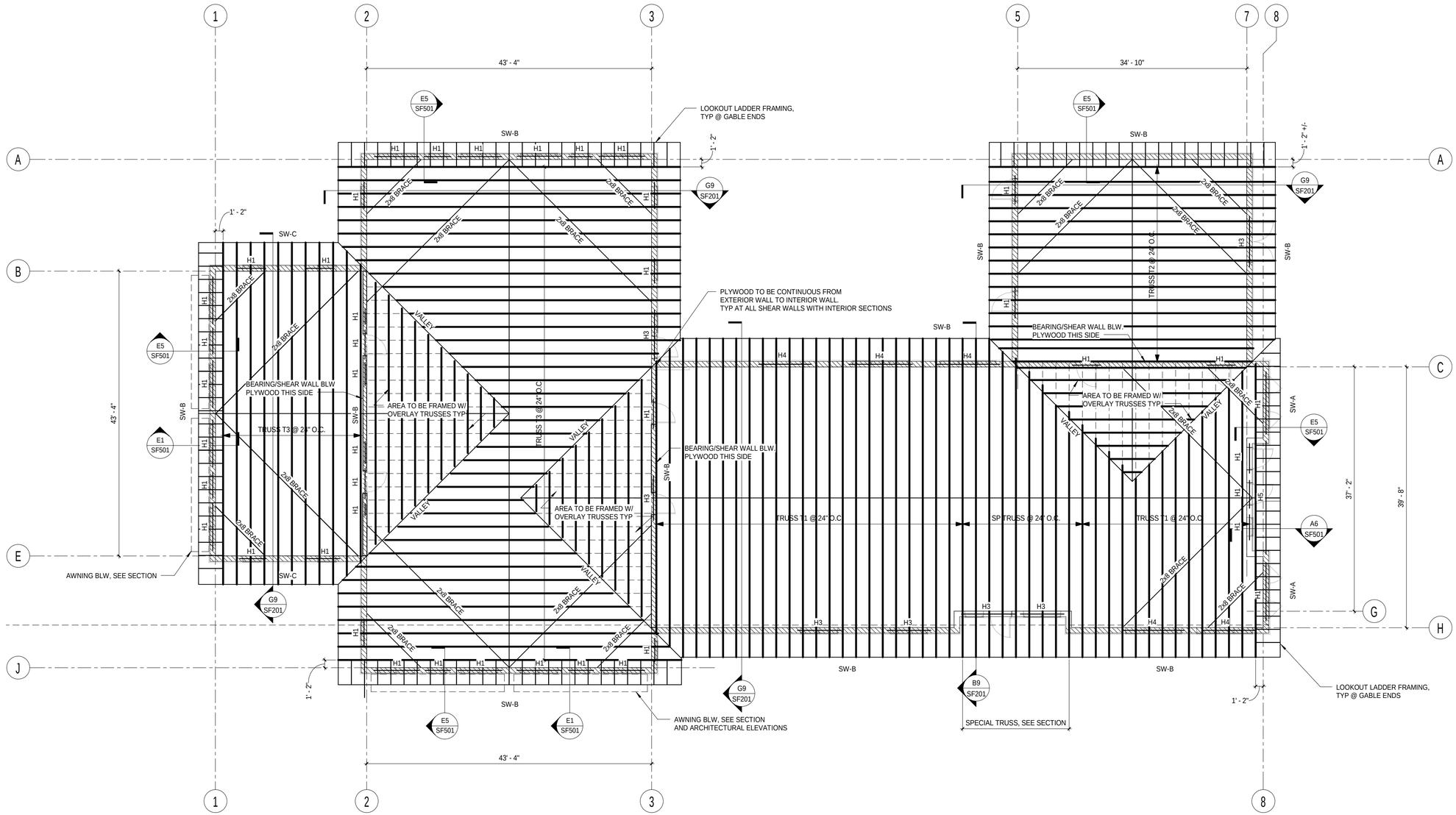
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	Checker		
JOB CAPTAIN:	XXX		SB502
DRAWN BY:	Author		
SMRT FILE:	SB502-19176	SHEET No.	

24x36



HEADER SCHEDULE			
LABEL	MEMBER	COLUMN	COMMENTS
H1	(3)2x10 SPF	(3)2x6	(2)JACK, (1) KING
H2	(3)2x12 SPF	(3)2x6	(2)JACK, (1) KING
H3	(3)1 3/4x9 1/2 LVL	(3)2x6	(2)JACK, (1) KING
H4	(3)1 3/4x11 7/8 LVL	(3)2x6	(2)JACK, (1) KING
H5	(3)1 3/4x14 LVL	(3)2x6	(2)JACK, (1) KING

Framing Notes:

1. SEE S-001 FOR GENERAL NOTES
2. ALL GABLE END WALLS ARE TO BE STICK BUILT.
3. SHEAR WALLS ARE INDICATED AS SW-'X' AND ARE HATCHED . SEE A10/SF501 FOR SHEAR WALL SCHEDULE. ALL BEARING WALLS ARE SHEAR WALLS.
4. TRUSS FABRICATOR IS RESPONSIBLE FOR PROVIDING TRUSS BRACING PLAN WITH TRUSS SUBMITTAL.
5. WALL STUDS ARE TO MATCH TRUSS LAYOUT. TRUSSES ARE TO BEAR DIRECTLY OVER STUD.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20

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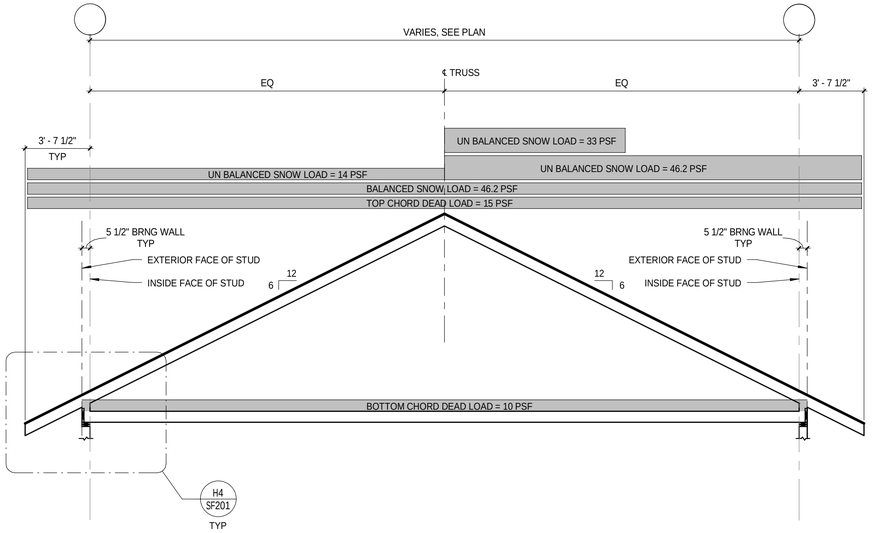
ROOF FRAMING PLAN

SHEET TITLE:

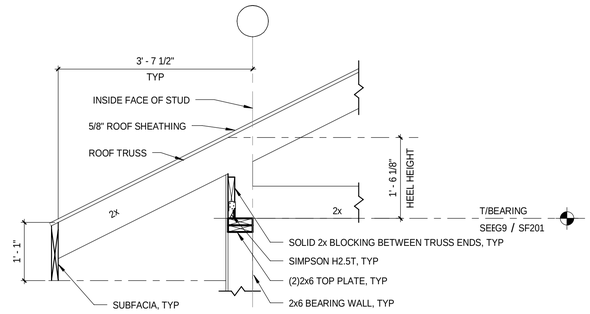
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		
DRAWN BY:	CJD		
SMRT FILE:	SF101-19176	SHEET No.	SF101

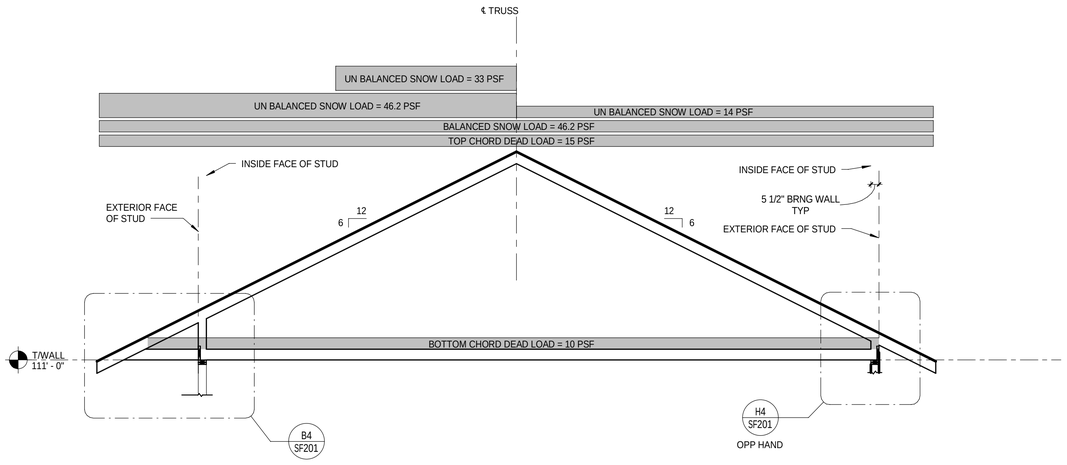
24x36



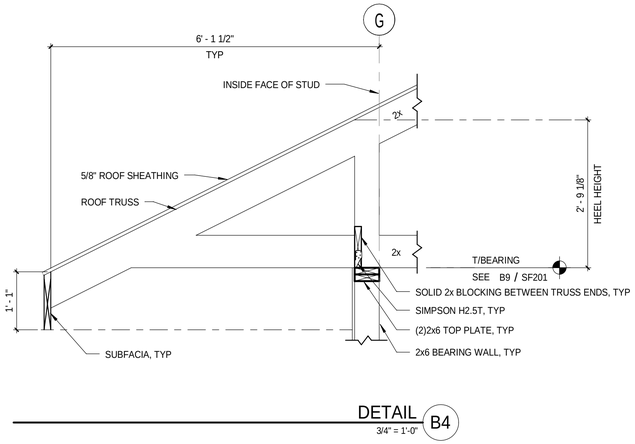
TRUSS T1-T3 LOADING DIAGRAM G9
1/4" = 1'-0"



DETAIL H4
3/4" = 1'-0"



SPECIAL TRUSS SP LOADING DIAGRAM B9
1/4" = 1'-0"



DETAIL B4
3/4" = 1'-0"

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FRAMING ELEVATIONS

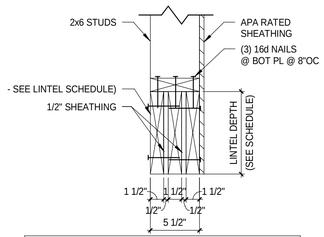
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

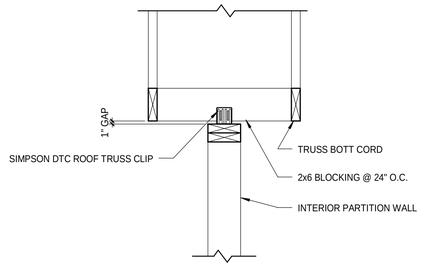
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		SF201
DRAWN BY:	CJD		
SMRT FILE:	SF201-19176	SHEET No.	

24x36

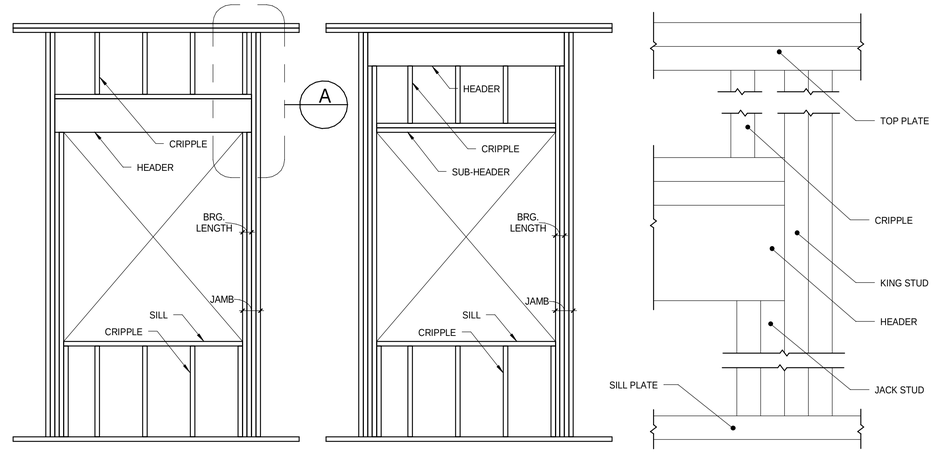


NOTE:
1. NAIL HEADER COMPONENTS TOGETER W/ (2) 16D NAILS @ ENDS & 12"OC, TYPICAL BOTH SIDES OF HEADER.

TYPICAL HEADER SECTION J12
1 1/2" = 1'-0"



DETAIL H8
1" = 1'-0"

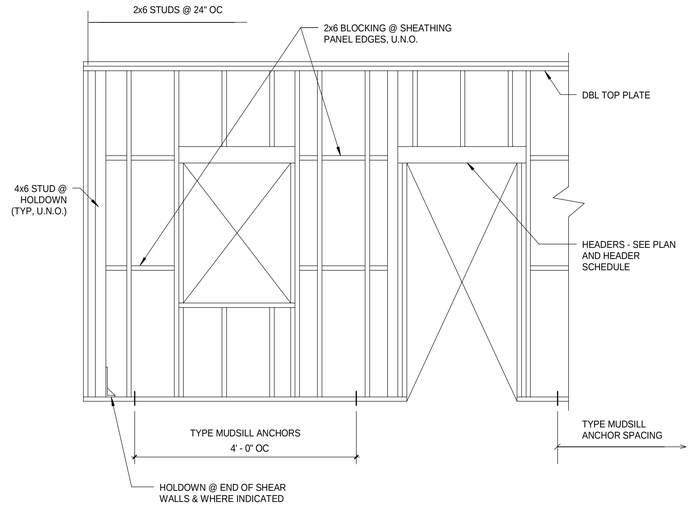


OPNG FRAME TYPE-A

OPNG FRAME TYPE-B

A

OPENING FRAME TYPES H1
1/2" = 1'-0"



TYP EXTERIOR SHEAR WALL ELEVATION D11
1/2" = 1'-0"

NOTES:

1) SHEAR WALLS ARE INDICATED AS SW-'X' ON THE FRAMING PLANS

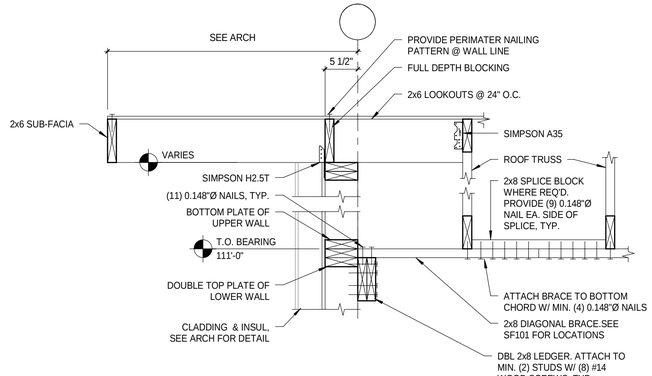
2) EDGE/FIELD O/C FASTENER SPACING REFERS TO THE PERIMETER AND FIELD NAILING FOR EACH SHEET OF PLYWOOD IN THE SHEAR WALL, INCLUDING THE BLOCKING AT SEAMS, TOP AND BOTTOM PLATES AS WELL AS THE END POSTS. DOUBLE STUDS AT ALL PLYWOOD SEAMS ARE REQUIRED FOR 2" OC EDGE FASTENING.

3) ALL ANCHORS ARE TO BE HILTI HAS-V-36 AND ADHESIVE SET WITH HILTI HIT-HY 200

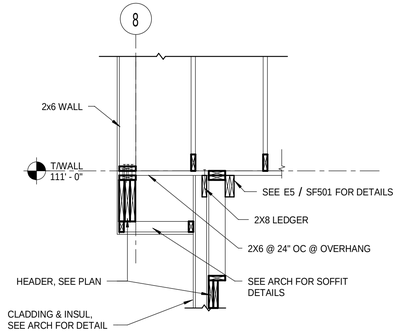
SHEAR WALL SCHEDULE

LABEL	SHEATHING (MIN)	PLYWOOD FASTENERS COMMON OR GALV. BOX	ANCHOR ROD EMBEDMENT INTO CONC.	DBL STUDS AND BLOCKING AT SEAMS	END POSTS (MIN)	HOLD DOWNS	EDGE / FIELD OC FASTENER SPACING
SW-A	15/32"	10d	8"	YES	3 1/2" x 5 1/2"	HDU14-SDS2.5	2" OC / 12" OC
SW-B	15/32"	10d	6"	YES	3" x 5 1/2"	HDU2-SDS2.5	6" OC / 12" OC
SW-C	15/32"	10d	6"	YES	3" x 5 1/2"	HDU4-SDS2.5	6" OC / 12" OC

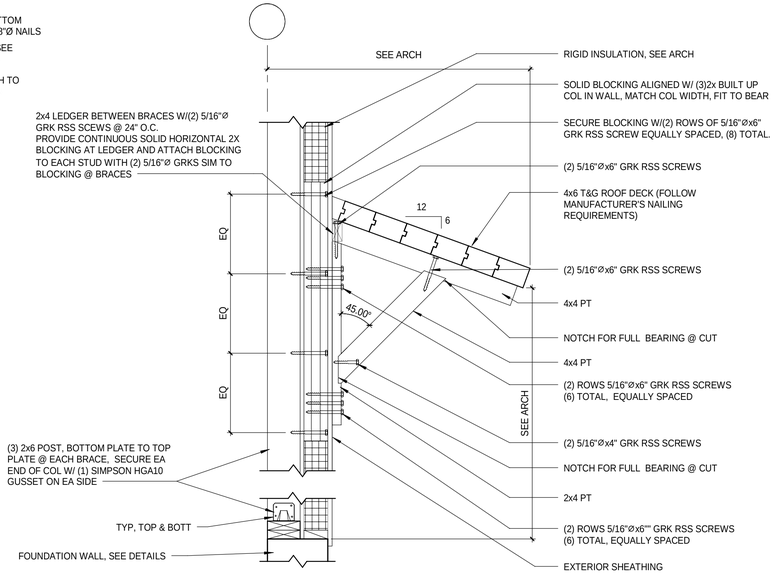
SHEAR WALL SCHEDULE A10
12" = 1'-0"



SECTION E5
1" = 1'-0"



SECTION A6
1/2" = 1'-0"



SECTION A1
1" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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CURRENT ISSUE STATUS:

STATE OF MAINE
BRIAN T STEELE
15525
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PROFESSIONAL ENGINEER
8-14-2020

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MAINE

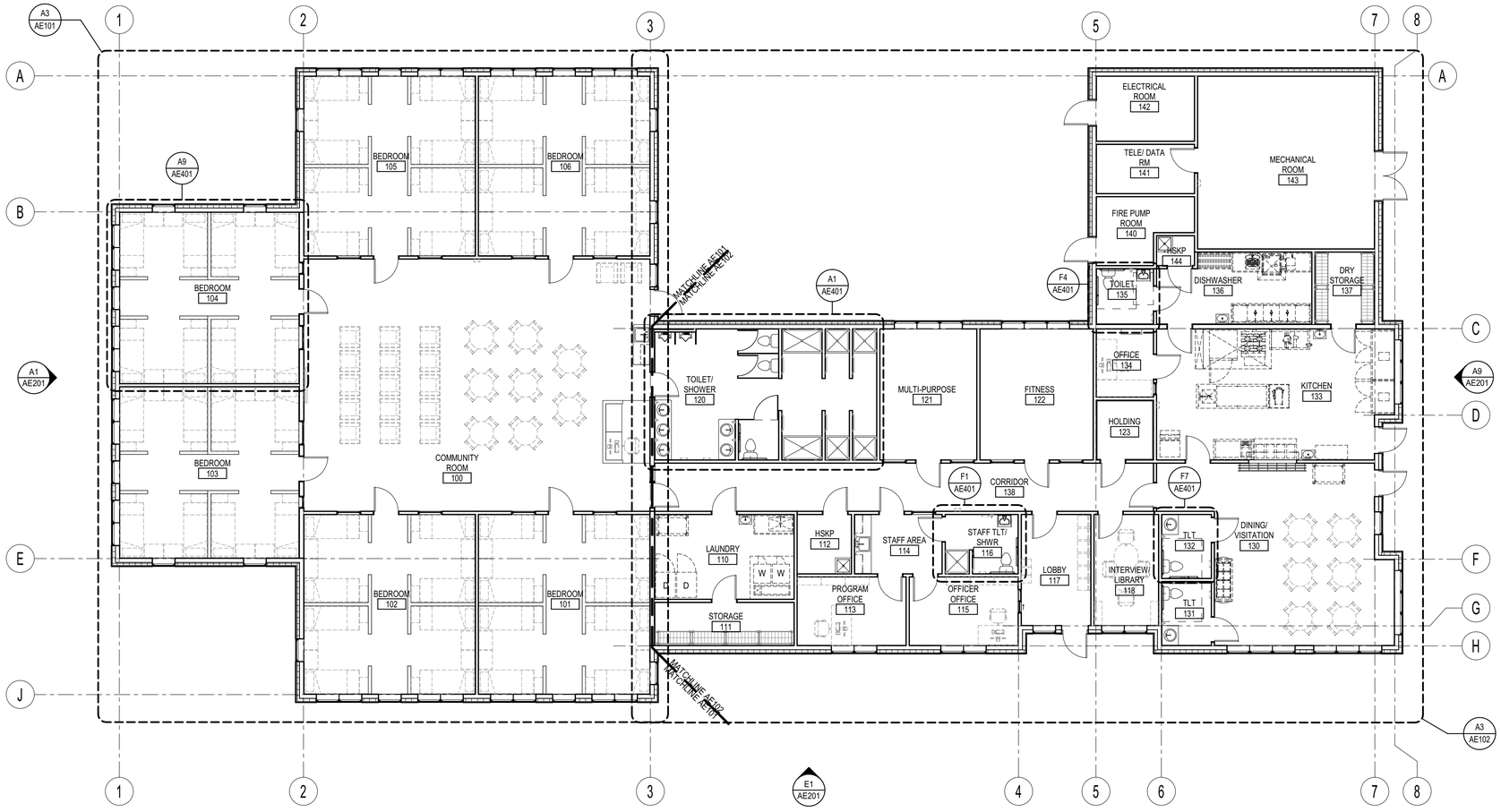
FRAMING SECTIONS AND DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	BTS		
JOB CAPTAIN:	CBM		
DRAWN BY:	CJD		
SMRT FILE:	SF501-19176	SHEET No.	SF501



FACILITY PLAN NOTES:

1. FURNITURE SHOWN FOR REFERENCE ONLY.

MEN'S REENTRY BUILDING - FACILITY PLAN A1
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER - FACILITY PLAN

SHEET TITLE:

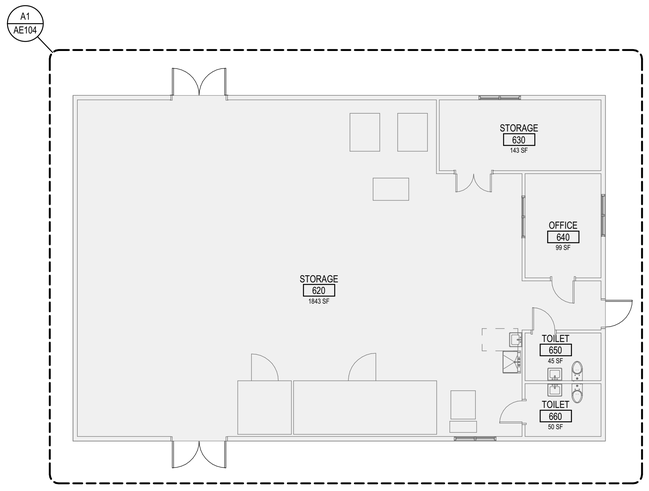
0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

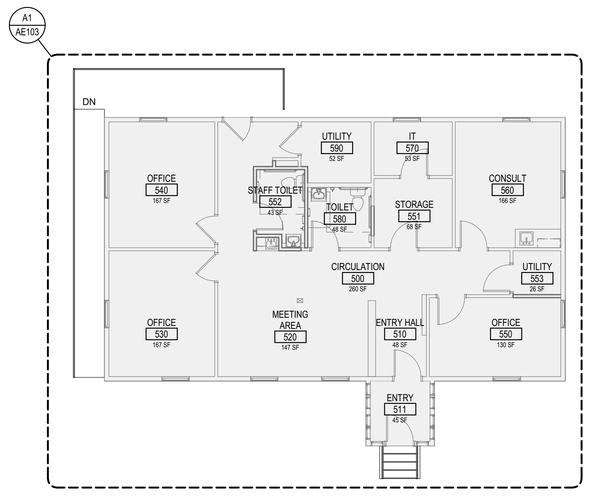
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	A-101-19176	SHEET No.	A-101

24x36

ALL ARCHITECTURAL WORK IN SHADED AREA TO BE BY OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION WITH OWNER. INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR WORK INCLUDED IN CONTRACTOR SCOPE.



STORAGE BUILDING FLOOR PLAN A9
1/8" = 1'-0"



ADMIN BUILDING FACILITY PLAN A2
1/8" = 1'-0"

FACILITY PLAN NOTES:

1. FURNITURE SHOWN FOR REFERENCE ONLY.

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0	ISSUED FOR CONSTRUCITON	08-14-20

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08-14-20

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ADMIN BUILDING AND STORAGE BUILDING - FACILITY PLANS

SHEET TITLE:

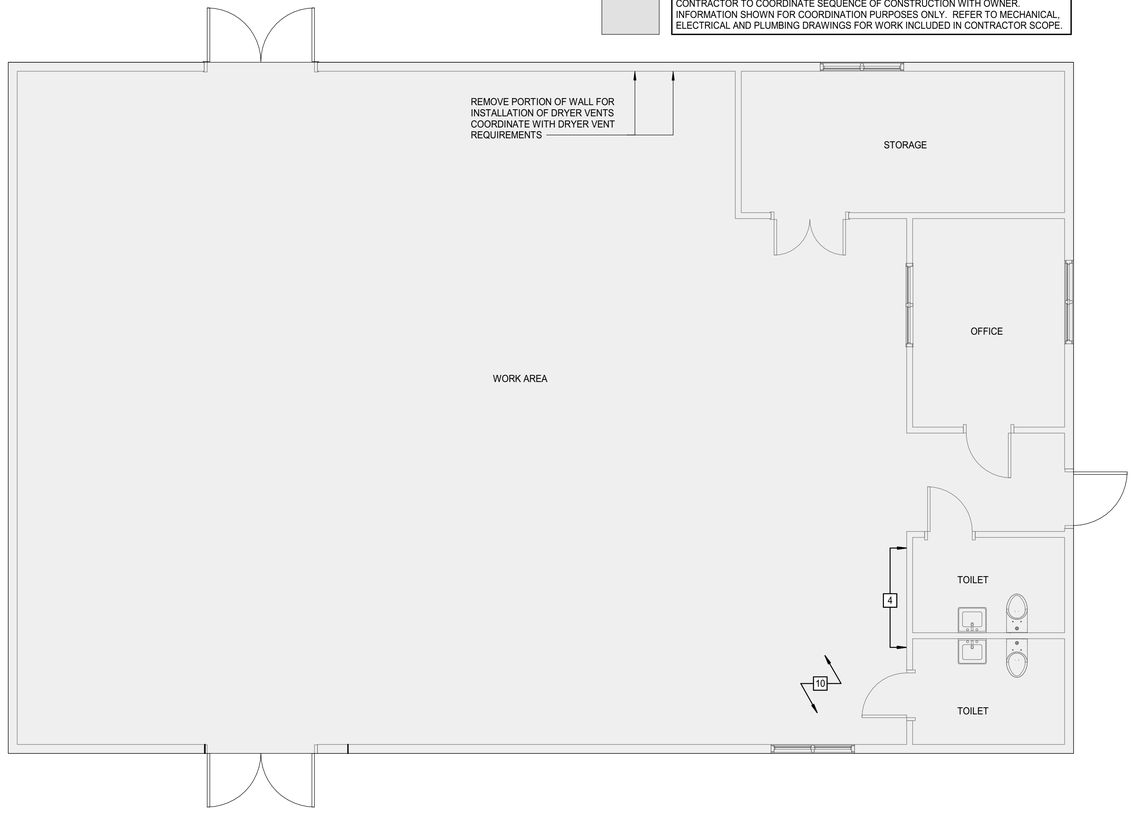
0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		A-102
DRAWN BY:	CAH/CBM		
SMRT FILE:	A-102-19176	SHEET No.	

24x36

ALL ARCHITECTURAL WORK IN SHADED AREA TO BE BY OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION WITH OWNER. INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR WORK INCLUDED IN CONTRACTOR SCOPE.



STORAGE BUILDING - DEMOLITION PLAN (A1)
1/4" = 1'-0"

DEMOLITION NOTES:

1. COORDINATE EXTENT OF DEMOLITION WITH LOCATIONS OF PARTITIONS DESCRIBED ON PLANS AND WITH LOCATIONS OF FINISHES NOTED AS EXISTING TO REMAIN.
2. ANY WALL, PARTITION OR SURFACE DISTURBED BECAUSE OF NEW WORK OR DEMOLITION SHALL BE PATCHED AND FINISHED CONTINUOUSLY TO THE NEAREST CORNER UNLESS NOTED OTHERWISE. MATCH EXISTING ADJACENT CONSTRUCTION FINISHES, CONTINUITY AND FIRE RATINGS UNLESS NOTED OTHERWISE.
3. PROTECT ALL FINISHES, MATERIALS AND EQUIPMENT NOTED AS EXISTING TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FINISHES, MATERIALS AND EQUIPMENT DAMAGED DURING CONSTRUCTION.
4. DIMENSIONS INDICATED +/- ARE EXISTING CONDITIONS DIMENSIONS TO BE VERIFIED IN THE FIELD.
5. COORDINATE THE REMOVAL OF MISC. ACCESSORIES (INCLUDING BATHROOM ACCESSORIES) TO BE SALVAGED FOR REUSE.
6. CLEARLY IDENTIFY AND TAG MECHANICAL, PLUMBING AND ELECTRICAL FIXTURES/EQUIPMENT THAT ARE STILL IN USE PRIOR TO DEMOLITION TO AVOID ACCIDENTAL REMOVAL.
7. WALLS INDICATED WITH A DASHED LINE ARE TO BE REMOVED COMPLETE. DETERMINE IF WALL IS BEARING PRIOR TO REMOVAL. IF SO, CONTACT ARCHITECT/ENGINEER IMMEDIATELY.
8. TEMPORARILY REMOVE EXISTING CEILING SYSTEMS AT LOCATIONS WHERE CEILING SYSTEMS ARE TO REMAIN FOR REMOVALS AND INSTALLATIONS OF MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS. REINSTALL CEILING SYSTEMS IN ORIGINAL LOCATION AND CONDITION WHEN WORK IS COMPLETE.
9. COORDINATE SLAB ON GRADE REMOVALS WITH PLUMBING PLANS.

DEMOLITION KEYED NOTES:

1. REMOVE EXISTING FLOORING SYSTEM COMPLETE.
2. REMOVE EXISTING CEILING SYSTEM.
3. REMOVE EXISTING WALL PANELS.
4. REMOVE PORTION OF WALL PARTITION AS REQUIRED FOR PLUMBING INSTALLATIONS. EXISTING WALL PARTITIONS TO BE PATCHED AND PAINTED TO MATCH EXISTING TO THE NEAREST CORNER.
5. REMOVE EXISTING CASEWORK COMPLETE.
6. REMOVE EXISTING WALL PARTITION.
7. REMOVE EXISTING DOOR COMPLETE.
8. REMOVE PORTION OF EXISTING WALL PARTITION FOR INSTALLATION OF DOOR. REFER TO NEW WORK FOR LOCATION.
9. REMOVE AND RELOCATE EXISTING DOOR, FRAME AND HARDWARE TO TOILET 580.
10. COORDINATE EXTENT OF SLAB REMOVAL WITH PLUMBING PLANS.
11. REMOVE PLUMBING FIXTURE, RE: PLUMBING.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

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Jessica G. Johnson
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STATE OF MAINE
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MACHIASPORT, MAINE

STORAGE BUILDING - DEMOLITION PLAN

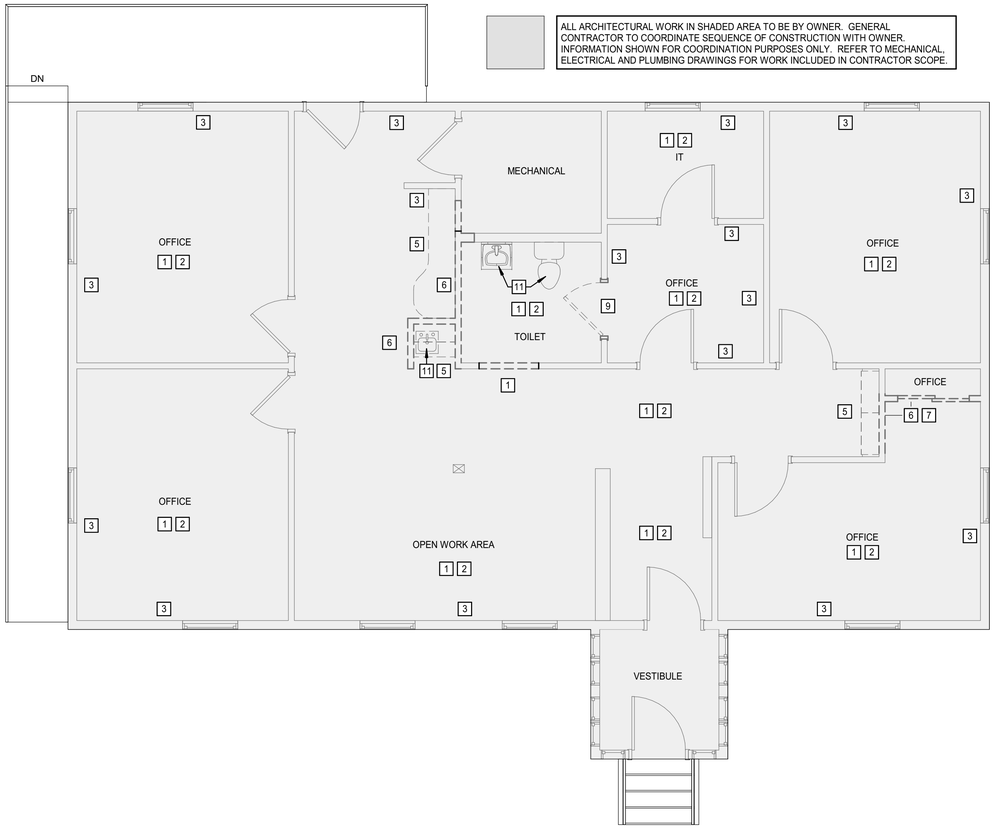
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AD101-19176	SHEET No.	AD101

24x36



ADMIN BUILDING - DEMOLITION PLAN
1/4" = 1'-0" A1

DEMOLITION NOTES:

1. COORDINATE EXTENT OF DEMOLITION WITH LOCATIONS OF PARTITIONS DESCRIBED ON PLANS AND WITH LOCATIONS OF FINISHES NOTED AS EXISTING TO REMAIN.
2. ANY WALL, PARTITION OR SURFACE DISTURBED BECAUSE OF NEW WORK OR DEMOLITION SHALL BE PATCHED AND FINISHED CONTINUOUSLY TO THE NEAREST CORNER UNLESS NOTED OTHERWISE. MATCH EXISTING ADJACENT CONSTRUCTION FINISHES, CONTINUITY AND FIRE RATINGS UNLESS NOTED OTHERWISE.
3. PROTECT ALL FINISHES, MATERIALS AND EQUIPMENT NOTED AS EXISTING TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FINISHES, MATERIALS AND EQUIPMENT DAMAGED DURING CONSTRUCTION.
4. DIMENSIONS INDICATED +/- ARE EXISTING CONDITIONS DIMENSIONS TO BE VERIFIED IN THE FIELD.
5. COORDINATE THE REMOVAL OF MISC. ACCESSORIES (INCLUDING BATHROOM ACCESSORIES) TO BE SALVAGED FOR REUSE.
6. CLEARLY IDENTIFY AND TAG MECHANICAL, PLUMBING AND ELECTRICAL FIXTURES/EQUIPMENT THAT ARE STILL IN USE PRIOR TO DEMOLITION TO AVOID ACCIDENTAL REMOVAL.
7. WALLS INDICATED WITH A DASHED LINE ARE TO BE REMOVED COMPLETE. DETERMINE IF WALL IS BEARING PRIOR TO REMOVAL. IF SO, CONTACT ARCHITECT/ENGINEER IMMEDIATELY.
8. TEMPORARILY REMOVE EXISTING CEILING SYSTEMS AT LOCATIONS WHERE CEILING SYSTEMS ARE TO REMAIN FOR REMOVALS AND INSTALLATIONS OF MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS. REINSTALL CEILING SYSTEMS IN ORIGINAL LOCATION AND CONDITION WHEN WORK IS COMPLETE.
9. COORDINATE SLAB ON GRADE REMOVALS WITH PLUMBING PLANS.

DEMOLITION KEYED NOTES:

1. REMOVE EXISTING FLOORING SYSTEM COMPLETE.
2. REMOVE EXISTING CEILING SYSTEM.
3. REMOVE EXISTING WALL PANELS.
4. REMOVE PORTION OF WALL PARTITION AS REQUIRED FOR PLUMBING INSTALLATIONS. EXISTING WALL PARTITIONS TO BE PATCHED AND PAINTED TO MATCH EXISTING TO THE NEAREST CORNER.
5. REMOVE EXISTING CASEWORK COMPLETE.
6. REMOVE EXISTING WALL PARTITION.
7. REMOVE EXISTING DOOR COMPLETE.
8. REMOVE PORTION OF EXISTING WALL PARTITION FOR INSTALLATION OF DOOR. REFER TO NEW WORK FOR LOCATION.
9. REMOVE AND RELOCATE EXISTING DOOR, FRAME AND HARDWARE TO TOILET 580.
10. COORDINATE EXTENT OF SLAB REMOVAL WITH PLUMBING PLANS.
11. REMOVE PLUMBING FIXTURE, RE: PLUMBING.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20
CURRENT ISSUE STATUS:

PROJECT NORTH:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MEN'S REENTRY CENTER

MACHIASPORT, MAINE

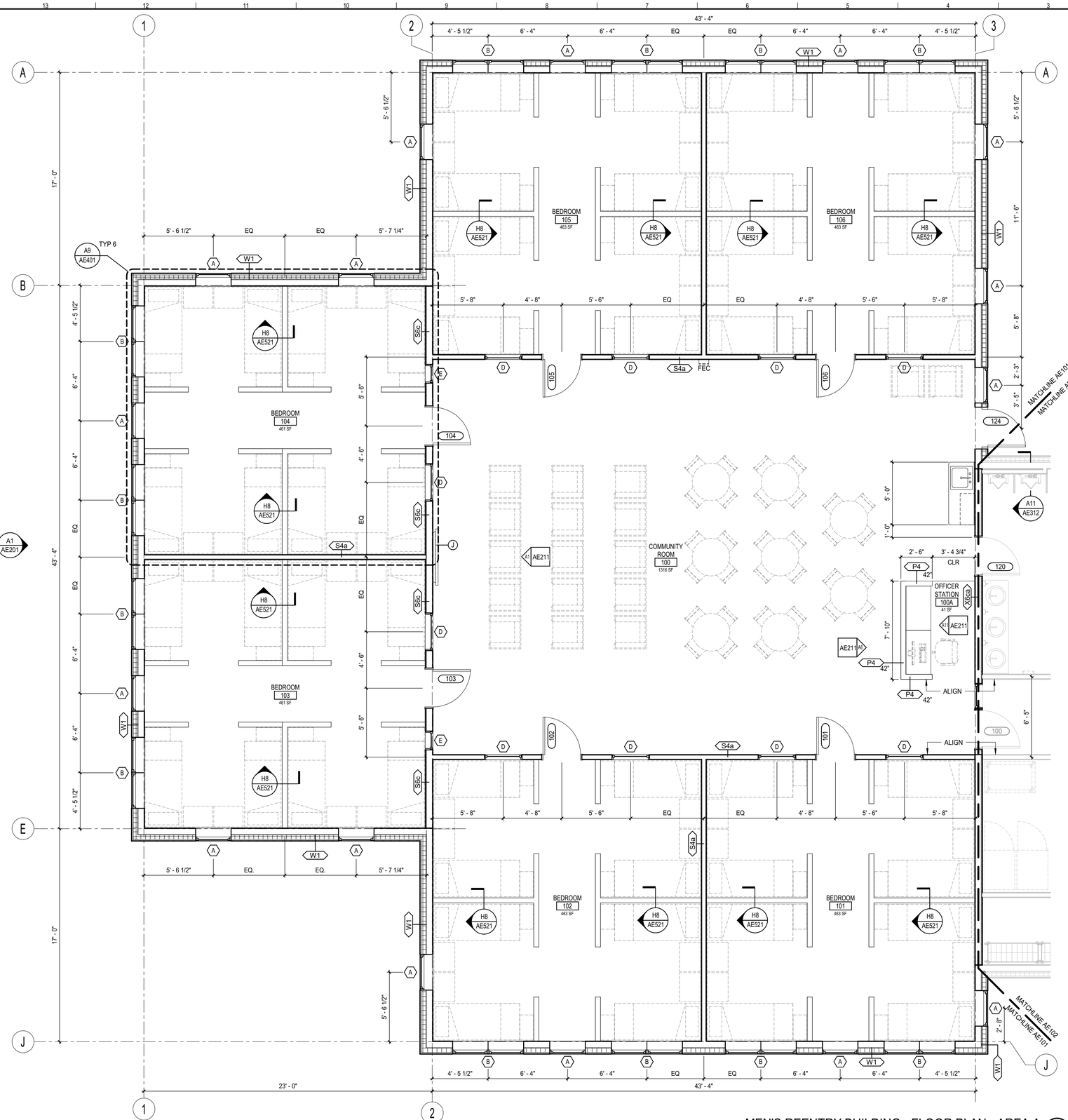
ADMIN BUILDING - DEMOLITION PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AD102-19176	SHEET No.	AD102

24x36



MEN'S REENTRY BUILDING - FLOOR PLAN - AREA A

1/4" = 1'-0" A3

ACCESSORY SCHEDULE

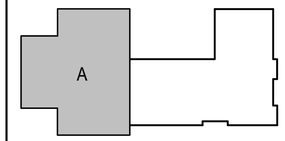
#	DESCRIPTION	PROVIDER
A	TOILET PAPER DISPENSER	O / C
B	SOAP DISPENSER	O / C
C	PAPER TOWER DISPENSER	O / C
D	24" X 36" MIRROR	C / C
E	42" GRAB BAR	C / C
F	36" GRAB BAR	C / C
G	18" VERTICAL GRAB BAR	C / C
H	ROBE HOOK, MOUNTED ON WALL AT 4'-0" UNLESS SPECIFIED OTHERWISE.	O / C
I	NOT USED	N/A
J	TV, WALL MOUNTED	C / C
K	BABY CHANGING STATION	C / C
L	SHOWER CURTAIN	O / C
M	MOP RACK AND SHELF	O / C
N	SANITARY NAPKIN DISPENSER	C / C
O	NOT USED	N/A
P	TOWEL BAR	C / C
Q	LOCKERS, DOUBLE STACKED	C / C

O / C = OWNER PROVIDED, CONTRACTOR INSTALLED
C / C = CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

PLAN NOTES:

1. SEE GI001 FOR GENERAL PROJECT NOTES.
2. SEE GI003 FOR GENERAL MOUNTING HEIGHTS, TOP OF WALL DETAILS AND PARTITION TYPES.
3. SEE GI004 FOR LEGENDS AND ABBREVIATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR REVIEWING CODE COMPLIANCE PLANS AND NOTIFYING THE ARCHITECT OF CONFLICTS BETWEEN WHAT IS IN THE FIELD AND ON THE CODE DOCUMENTS.
5. DIMENSIONS ARE FACE OF CONCRETE, FACE OF MASONRY AND CENTERLINE OF STUD, UNLESS NOTED OTHERWISE.
6. DOOR JAMBS (HINGE SIDE) SHALL BE 6" FROM CORNER IN STUD PARTITIONS AND 8" FROM CORNER IN MASONRY PARTITIONS UNLESS NOTED OTHERWISE.
7. REFER TO DETAILS FOR ADDITIONAL DIMENSIONING INFORMATION.
8. REFER TO ENLARGED PLANS FOR PARTITION TYPES AND DIMENSIONS IN AREAS WHICH ARE DETAILED AT A LARGER SCALE.
9. FURNITURE AND OWNER PROVIDED EQUIPMENT ARE INDICATED BY DASHED LINE TYPE.
10. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF OWNER PROVIDED EQUIPMENT INCLUDING BUT NOT LIMITED TO DIMENSIONAL INFORMATION, AND MECHANICAL, ELECTRICAL AND PLUMBING REQUIREMENTS.
11. TYPICAL WALL TYPE TO BE S4a UNLESS NOTED OTHERWISE.
12. REFER TO EQUIPMENT PLAN FOR KITCHEN AND LAUNDRY EQUIPMENT INFORMATION.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATIING REQUIRED BLOCKING FOR WALL MOUNTED ACCESSORIES AND EQUIPMENT.
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING MOUNTING HEIGHTS WITH OWNER SELECTED ACCESSORIES AND EQUIPMENT.

MENS RE-ENTRY BUILDING



KEY PLAN N.T.S. F0

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

LICENSED ARCHITECT Jessica G. Johnson 3177 STATE OF MAINE
08-14-20

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER FLOOR PLAN - AREA A

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE101
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE101-19176	SHEET No.	

24x36

ACCESSORY SCHEDULE

#	DESCRIPTION	PROVIDER
A	TOILET PAPER DISPENSER	O / C
B	SOAP DISPENSER	O / C
C	PAPER TOWER DISPENSER	O / C
D	24" X 36" MIRROR	C / C
E	42" GRAB BAR	C / C
F	36" GRAB BAR	C / C
G	18" VERTICAL GRAB BAR	C / C
H	ROBE HOOK, MOUNTED ON WALL AT 4'-0" UNLESS SPECIFIED OTHERWISE.	O / C
I	NOT USED	N/A
J	TV, WALL MOUNTED	C / C
K	BABY CHANGING STATION	C / C
L	SHOWER CURTAIN	O / C
M	MOP RACK AND SHELF	O / C
N	SANITARY NAPKIN DISPENSER	C / C
O	NOT USED	N/A
P	TOWEL BAR	C / C
Q	LOCKERS, DOUBLE STACKED	C / C

O / C = OWNER PROVIDED, CONTRACTOR INSTALLED
C / C = CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

PLAN NOTES:

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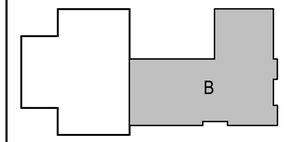
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING MOUNTING HEIGHTS WITH OWNER SELECTED ACCESSORIES AND EQUIPMENT.

MEN'S REENTRY BUILDING - FLOOR PLAN - AREA B (A3)
1/4" = 1'-0"

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

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PROJECT NORTH:

LICENSED ARCHITECT Jessica G. Johnson 3177 STATE OF MAINE
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MEN'S REENTRY CENTER FLOOR PLAN - AREA B

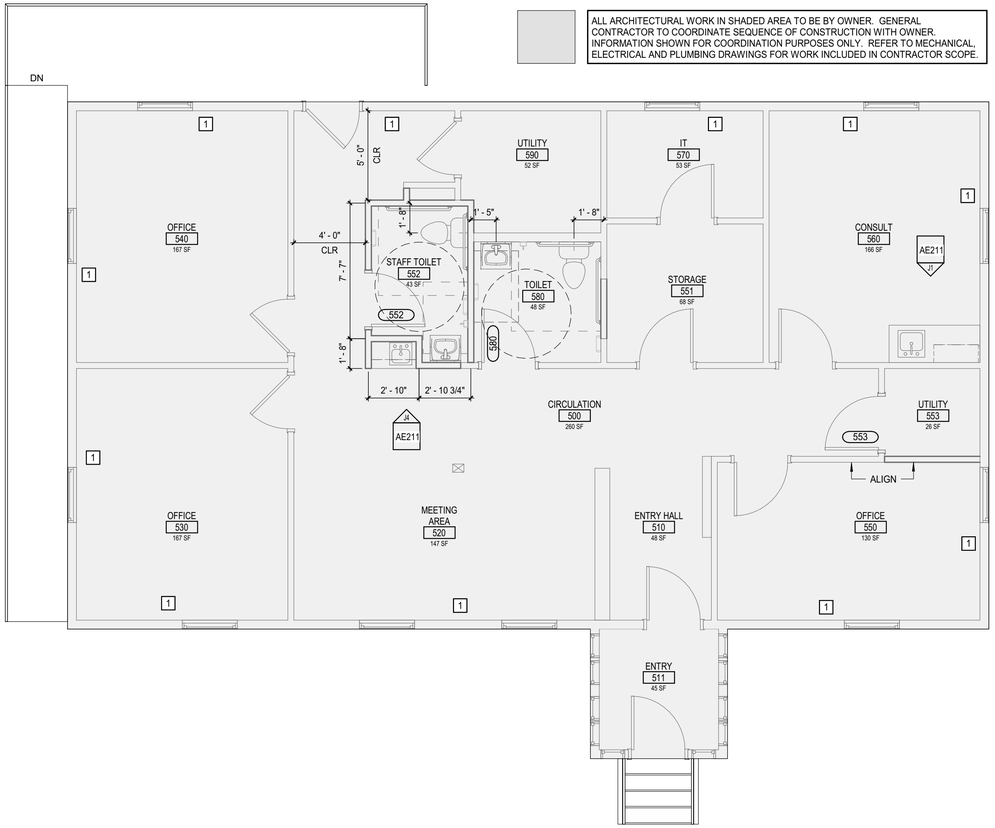
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM	AE102	
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE102-19176	SHEET No.	

24x36



ADMIN BUILDING FLOOR PLAN
1/4" = 1'-0" A1

PLAN NOTES:

1. SEE GI001 FOR GENERAL PROJECT NOTES.
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14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING MOUNTING HEIGHTS WITH OWNER SELECTED ACCESSORIES AND EQUIPMENT.

KEYNOTE ADMIN:

1 INSTALLATION OF GWB AT WALL PARTITIONS BY OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION WITH OWNER.

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CURRENT ISSUE STATUS:

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PROJECT NORTH:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE

08-14-20

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ADMIN BUILDING - FLOOR PLAN

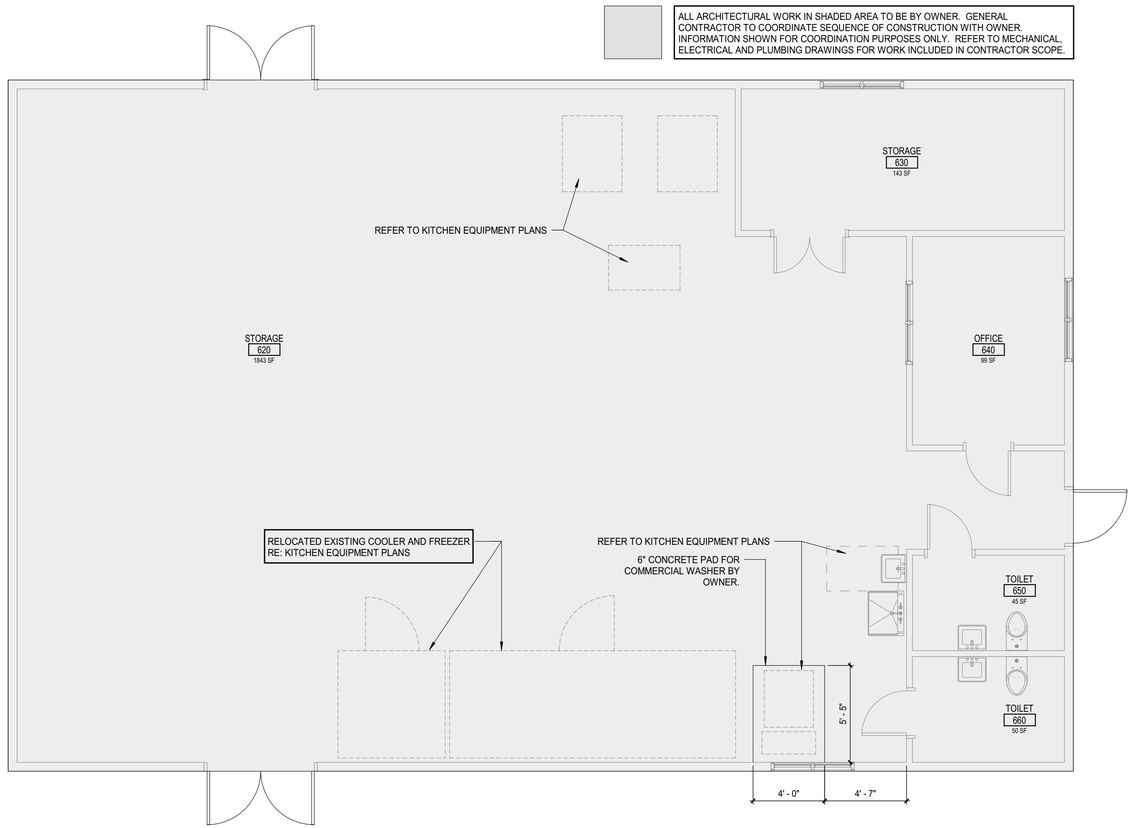
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE103-19176	SHEET No.	AE103

24x36



STORAGE BUILDING FLOOR PLAN (A1)
1/4" = 1'-0"

PLAN NOTES:

1. SEE GI001 FOR GENERAL PROJECT NOTES.
2. SEE GI003 FOR GENERAL MOUNTING HEIGHTS, TOP OF WALL DETAILS AND PARTITION TYPES.
3. SEE GI004 FOR LEGENDS AND ABBREVIATIONS.
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11. TYPICAL WALL TYPE TO BE S4a UNLESS NOTED OTHERWISE.
12. REFER TO EQUIPMENT PLAN FOR KITCHEN AND LAUNDRY EQUIPMENT INFORMATION.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATIING REQUIRED BLOCKING FOR WALL MOUNTED ACCESSORIES AND EQUIPMENT.
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING MOUNTING HEIGHTS WITH OWNER SELECTED ACCESSORIES AND EQUIPMENT.

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MACHIASPORT, MAINE

STORAGE BUILDING - FLOOR PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE104-19176	SHEET No.	AE104

24x36

MEN'S REENTRY BUILDING - REFLECTED CEILING PLAN - AREA A (A3)
1/4" = 1'-0"

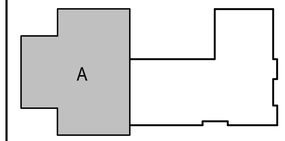
CEILING LEGEND:

- 2x2 CEILING TILE AND GRID
- 1X1 CEILING TILE
- GWB CEILING
- DOWN LIGHT
- 2x2 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- LINEAR DIFFUSER

CEILING NOTES:

1. SEE G-001 FOR GENERAL PROJECT NOTES.
2. SEE FINISH SCHEDULE FOR CEILING AND CEILING GRID TYPES.
3. EXCEPT WHERE INDICATED, CENTER CEILING GRIDS IN ROOMS. USE HALF TILES OF GREATER @ PERIMETERS WHEN POSSIBLE.
4. ALIGN CEILING ITEMS AS SHOWN, WITH COMMON CENTERLINES TYPICALLY. CENTER ITEMS IN CEILING, OR IN AREAS UNLESS INDICATED OTHERWISE.
5. WHERE TEGULAR OR BEVELED TILE IS USED, PAINT ALL CUT EDGES TO MATCH.
6. CAULK JOINT BETWEEN CEILING GRID (WALL ANGLE) AND WALL WHERE GAPS ARE LARGER THAN 1/8" OR GREATER.
7. PROVIDE ACCESS PANELS AS REQUIRED IN GWB CEILINGS FOR ACCESS AS REQUIRED BY ALL TRADES.
8. FIRE SPRINKLERS SHALL BE CENTERED IN CEILING TILE OR HALF TILE AS SHOWN. FIRE SPRINKLERS SHALL BE LOCATED IN ALIGNMENT WITH OTHER CEILING ITEMS AND SHALL BE PLACED IN COORDINATION WITH LIGHT FIXTURE POSITIONS INDICATED, TYPICAL.
9. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND FULLY CODE COMPLIANTE SYSTEM, INCLUDING HEADS NOT INDICATED IN THIS DRAWING. SIDEWALL MOUNT SPRINKLER HEADS UNDER BALCONIES ARE NOT SHOWN IN THE CEILING PLANS.
10. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. WHERE ARCHITECTURAL DRAWINGS DEPICT MECHANICAL OR ELECTRICAL ITEMS OR EQUIPMENT (LIGHTS, DIFFUSERS, ETC.) INSTALLATION OF SUCH ITEMS SHALL BE COORDINATED WITH EACH RESPECTIVE TRADE SUB-CONTRACTOR.
12. WHERE DRAWINGS DO NOT ACCESS INSTALLATION METHODOLOGY, THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS, AND STANDARD INDUSTRY STANDARDS.

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER - REFLECTED CEILING PLAN - AREA A
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE111
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE111-19176	SHEET No.	

24x36

MEN'S REENTRY BUILDING - REFLECTED CEILING PLAN - AREA B (A3)

1/4" = 1'-0"

CEILING LEGEND:

- 2x2 CEILING TILE AND GRID
- 1X1 CEILING TILE
- GWB CEILING
- DOWN LIGHT
- 2x2 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- LINEAR DIFFUSER

RCP KEYED NOTE - REENTRY:

1. 1 HOUR RATED HORIZONTAL ASSEMBLY AT B.O. TRUSS.

CEILING NOTES:

1. SEE G-001 FOR GENERAL PROJECT NOTES.
2. SEE FINISH SCHEDULE FOR CEILING AND CEILING GRID TYPES.
3. EXCEPT WHERE INDICATED, CENTER CEILING GRIDS IN ROOMS. USE HALF TILES OF GREATER @ PERIMETERS WHEN POSSIBLE.
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11. WHERE ARCHITECTURAL DRAWINGS DEPICT MECHANICAL OR ELECTRICAL ITEMS OR EQUIPMENT (LIGHTS, DIFFUSERS, ETC.) INSTALLATION OF SUCH ITEMS SHALL BE COORDINATED WITH EACH RESPECTIVE TRADE SUB-CONTRACTOR.
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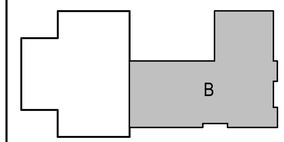
MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

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Portland, Maine 04101
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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - REFLECTED CEILING PLAN - AREA B

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE112-19176	SHEET No.	AE112

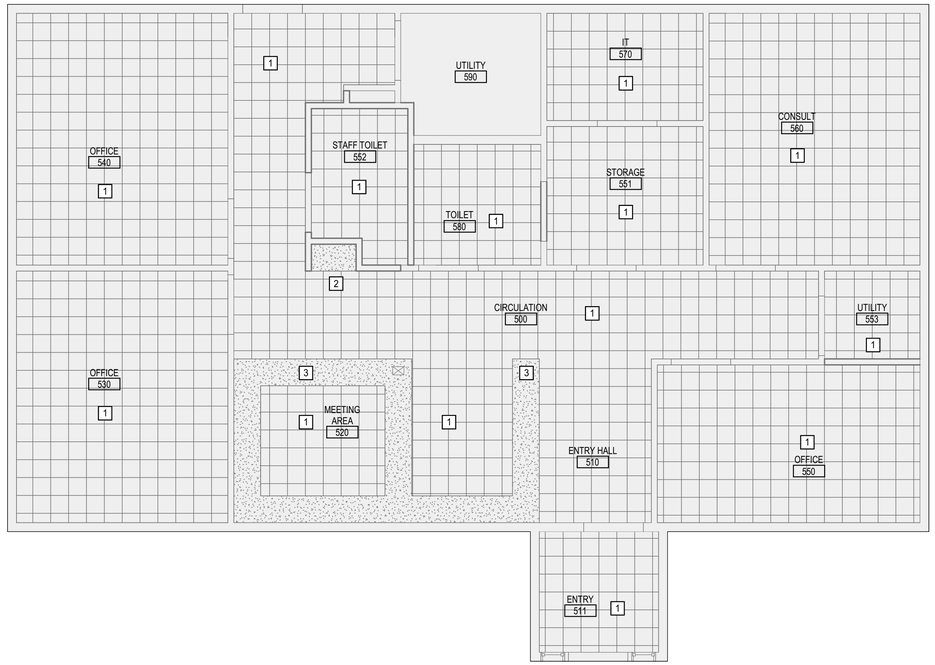
CEILING NOTES:

1. SEE G-001 FOR GENERAL PROJECT NOTES.
2. SEE FINISH SCHEDULE FOR CEILING AND CEILING GRID TYPES.
3. EXCEPT WHERE INDICATED, CENTER CEILING GRIDS IN ROOMS. USE HALF TILES OF GREATER @ PERIMETERS WHEN POSSIBLE.
4. ALIGN CEILING ITEMS AS SHOWN, WITH COMMON CENTERLINES TYPICALLY. CENTER ITEMS IN CEILING, OR IN AREAS UNLESS INDICATED OTHERWISE.
5. WHERE TEGULAR OR BEVELED TILE IS USED, PAINT ALL CUT EDGES TO MATCH.
6. CAULK JOINT BETWEEN CEILING GRID (WALL ANGLE) AND WALL WHERE GAPS ARE LARGER THAN 1/8" OR GREATER.
7. PROVIDE ACCESS PANELS AS REQUIRED IN GWB CEILINGS FOR ACCESS AS REQUIRED BY ALL TRADES.
8. FIRE SPRINKLERS SHALL BE CENTERED IN CEILING TILE OR HALF TILE AS SHOWN. FIRE SPRINKLERS SHALL BE LOCATED IN ALIGNMENT WITH OTHER CEILING ITEMS AND SHALL BE PLACED IN COORDINATION WITH LIGHT FIXTURE POSITIONS INDICATED, TYPICAL.
9. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND FULLY CODE COMPLIANTE SYSTEM, INCLUDING HEADS NOT INDICATED IN THIS DRAWING. SIDEWALL MOUNT SPRINKLER HEADS UNDER BALCONIES ARE NOT SHOWN IN THE CEILING PLANS.
10. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. WHERE ARCHITECTURAL DRAWINGS DEPICT MECHANICAL OR ELECTRICAL ITEMS OR EQUIPMENT (LIGHTS, DIFFUSERS, ETC.) INSTALLATION OF SUCH ITEMS SHALL BE COORDINATED WITH EACH RESPECTIVE TRADE SUB-CONTRACTOR.
12. WHERE DRAWINGS DO NOT ACCESS INSTALLATION METHODOLOGY, THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS, AND STANDARD INDUSTRY STANDARDS.

CEILING LEGEND:

- 2x2 CEILING TILE AND GRID
- 1X1 CEILING TILE
- GWB CEILING
- DOWN LIGHT
- 2x2 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- LINEAR DIFFUSER

ALL ARCHITECTURAL WORK IN SHADED AREA TO BE BY OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION WITH OWNER. INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR WORK INCLUDED IN CONTRACTOR SCOPE.



ADMIN. BUILDING - REFLECTED CEILING PLAN (A1)
1/4" = 1'-0"

RCP KEYED NOTES - ADMIN:

1. INSTALLATION OF CEILING SYSTEMS BY OWNER. GENERAL CONTRACTOR TO COORDINATE WITH OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION.
2. GWB SOFFIT FRAMING AND FINISH BY OWNER, GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION.
3. EXISTING GWB SOFFIT TO REMAIN, PAINTED BY OWNER, SEQUENCE OF CONSTRUCTION COORDINATED BY CONTRACTOR.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

TRUE NORTH

PROJECT NORTH:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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ADMIN BUILDING - REFLECTED CEILING PLAN

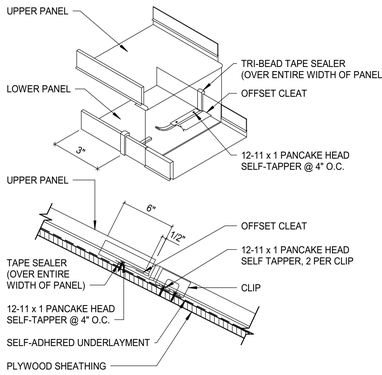
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

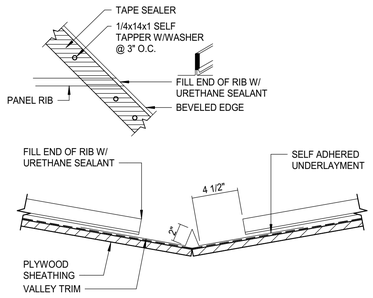
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE113-19176	SHEET No.	AE113

24x36



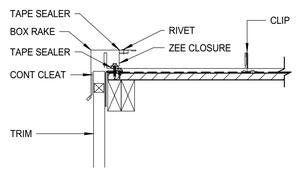
TYPICAL DETAIL, MANUFACTURERS REQUIREMENTS MAY VARY

END LAP H13
1 1/2" = 1'-0"



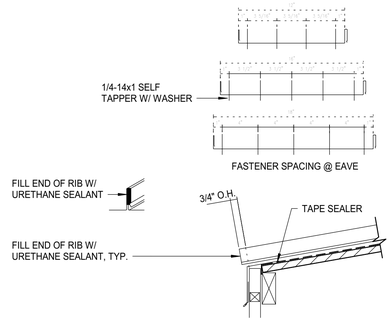
TYPICAL DETAIL, MANUFACTURERS REQUIREMENTS MAY VARY

VALLEY H10
1 1/2" = 1'-0"



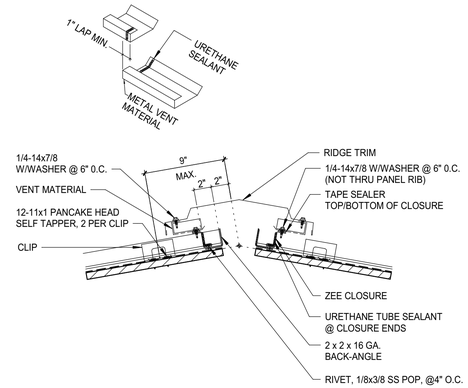
TYPICAL DETAIL, MANUFACTURERS REQUIREMENTS MAY VARY

RAKE BOX TRIM H7
1 1/2" = 1'-0"



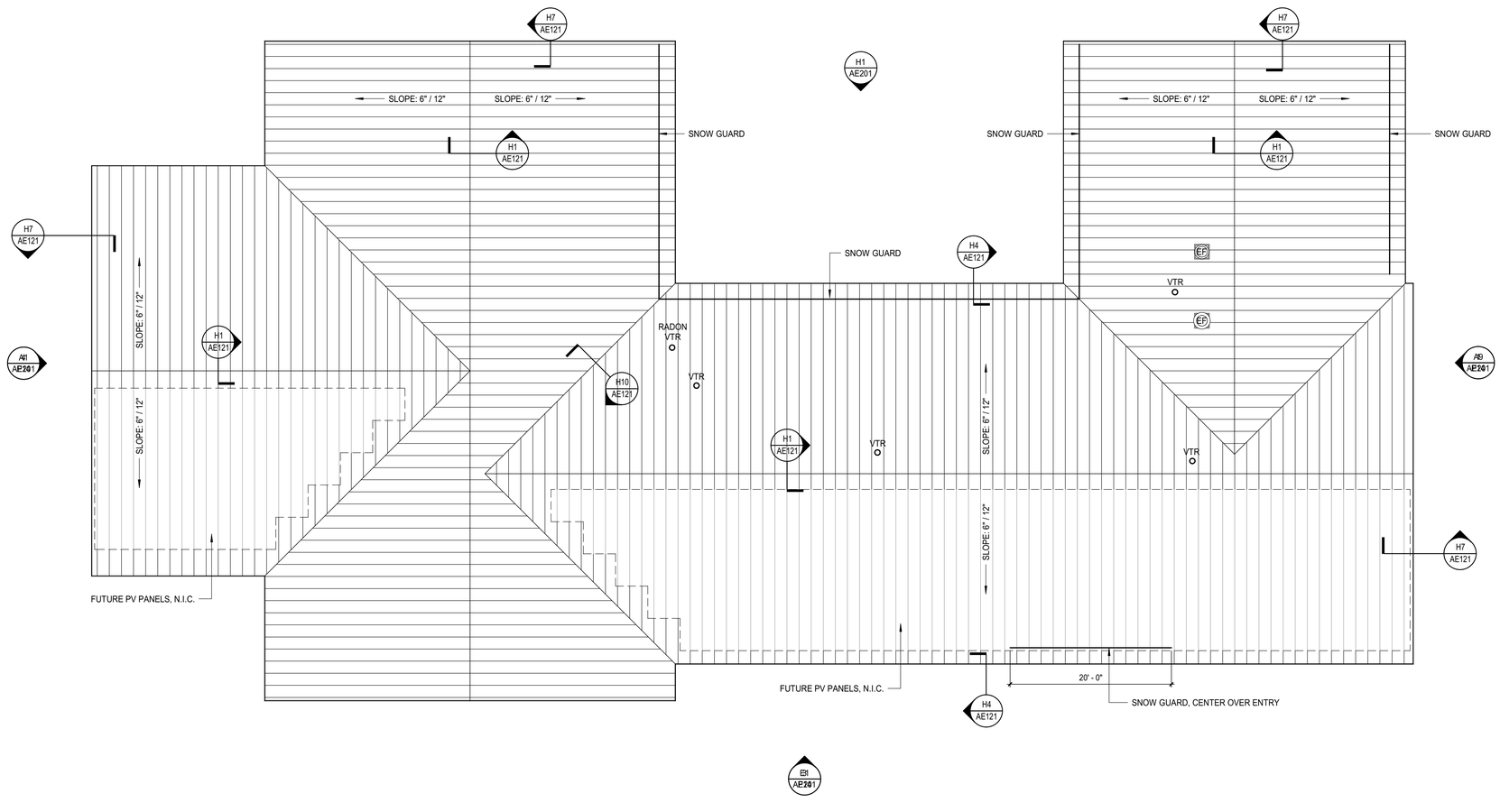
TYPICAL DETAIL, MANUFACTURERS REQUIREMENTS MAY VARY

EAVE H4
1 1/2" = 1'-0"



TYPICAL DETAIL, MANUFACTURERS REQUIREMENTS MAY VARY

RIDGE VENT H1
1 1/2" = 1'-0"



MEN'S REENTRY BUILDING - ROOF PLAN A1
1/8" = 1'-0"

ROOF PLAN NOTES:

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

LICENSED ARCHITECT Jessica G. Johnson 3177 STATE OF MAINE
08-14-20

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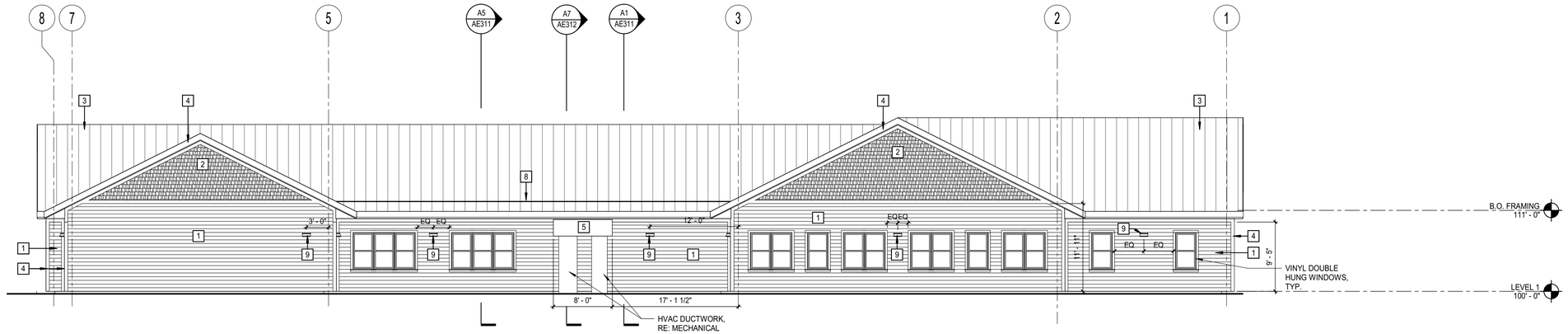
MEN'S REENTRY CENTER - ROOF PLAN

SHEET TITLE:

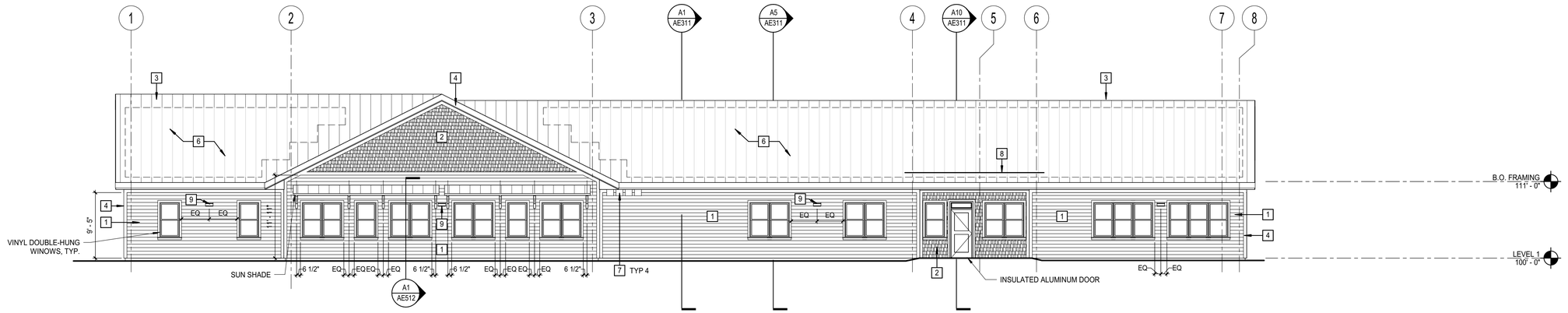
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE121-19176	SHEET No.	AE121

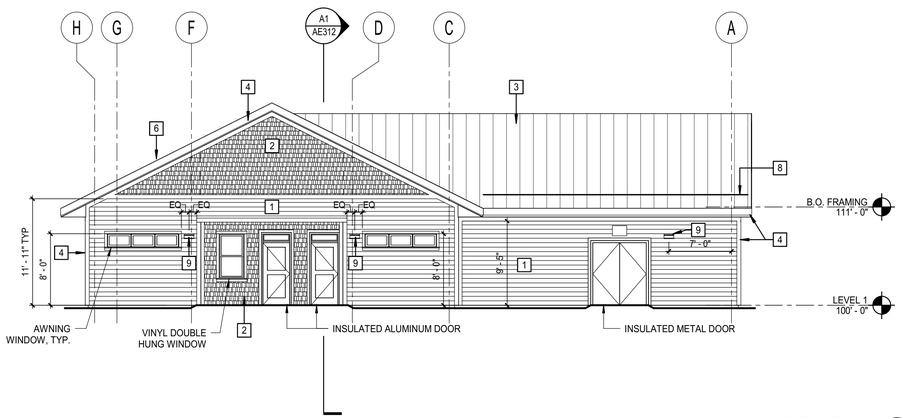
24x36



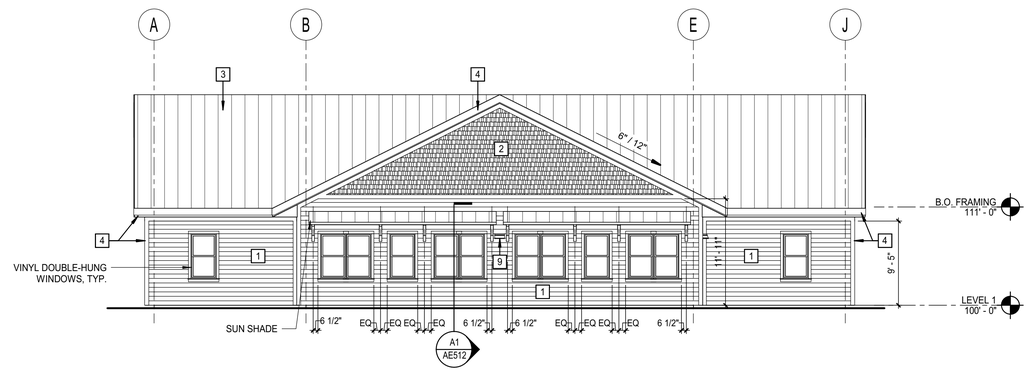
NORTH ELEVATION
1/8" = 1'-0" H1



SOUTH ELEVATION
1/8" = 1'-0" E1



EAST ELEVATION
1/8" = 1'-0" A9



WEST ELEVATION
1/8" = 1'-0" A1

EXTERIOR FINISH LEGEND:

1. BASIS OF DESIGN LP SMARTSIDE STRAND LAP SIDING, COLOR :TBD.
2. BASIS OF DESIGN LP SMARTSIDE FIBER CEDAR SHAKES, COLOR: TBD.
3. BASIS OF DESIGN MBCI LOKSEAM STANDING SEAM METAL ROOF, COLOR: TBD.
4. TRIM, BASIS OF DESIGN: LP SMARTSIDE
5. ENCLOSURE FOR HVAC DUCTWORK. RE: MECHANICAL BASIS OF DESIGN: LP SMARTSIDE
6. FUTURE PV PANELS, N.I.C.
7. 6" DRYER VENT, RE: MECHANICAL
8. SNOW GUARD
9. EXTERIOR LIGHT FIXTURE MOUNTED AT 8'-0", RE: ELECTRICAL
10. EXTERIOR LIGHT FIXTURE MOUNTED AT 9'-0", RE: ELECTRICAL

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
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EXTERIOR ELEVATIONS

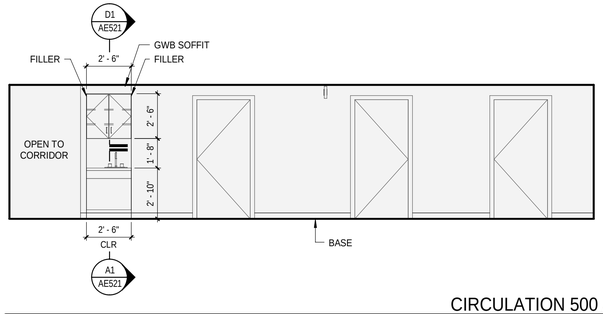
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

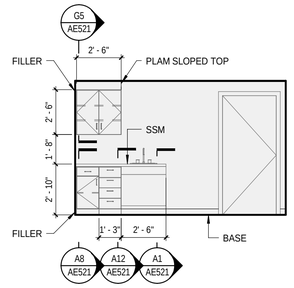
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE201-19176	SHEET No.	AE201

24x36



CIRCULATION 500 J4
1/4" = 1'-0"



CONSULT 560 J1
1/4" = 1'-0"

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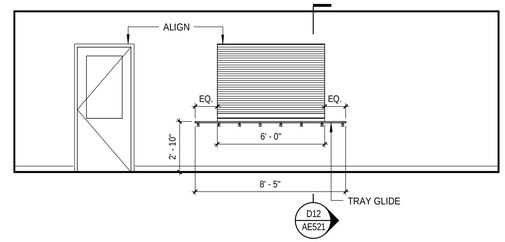
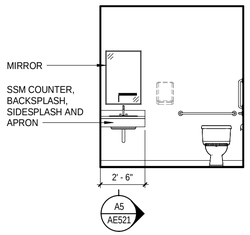
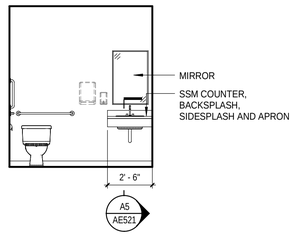


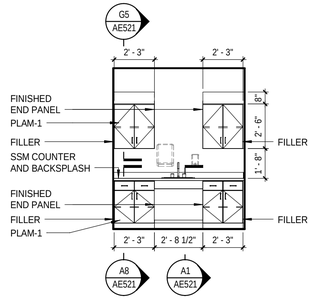
DINING VISITATION 130 F1
1/4" = 1'-0"



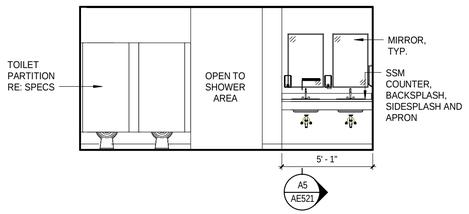
TOILET 131 D13
1/4" = 1'-0"



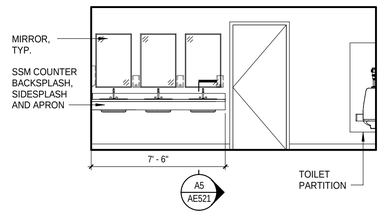
TOILET 132 D11
1/4" = 1'-0"



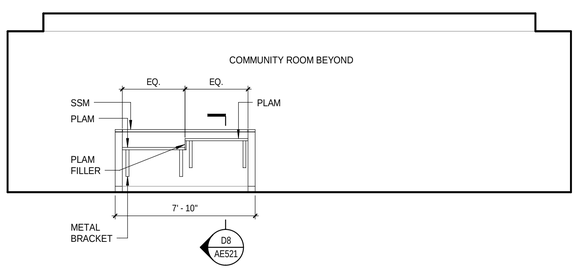
STAFF AREA 114 D7
1/4" = 1'-0"



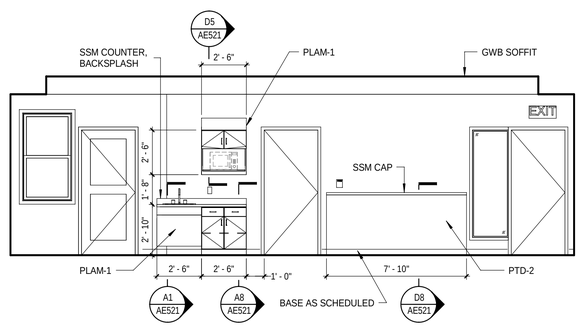
TOILET/SHOWER 120 D4
1/4" = 1'-0"



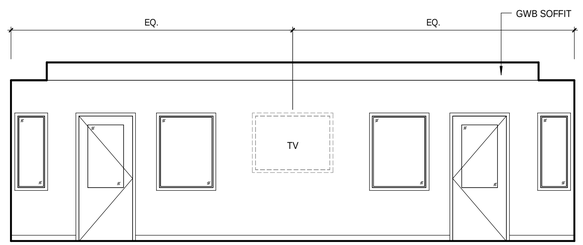
TOILET/SHOWER 120 D1
1/4" = 1'-0"



OFFICER STATION 100A A11
1/4" = 1'-0"



COMMUNITY ROOM 100 A6
1/4" = 1'-0"



COMMUNITY ROOM 100 A1
1/4" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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INTERIOR ELEVATIONS

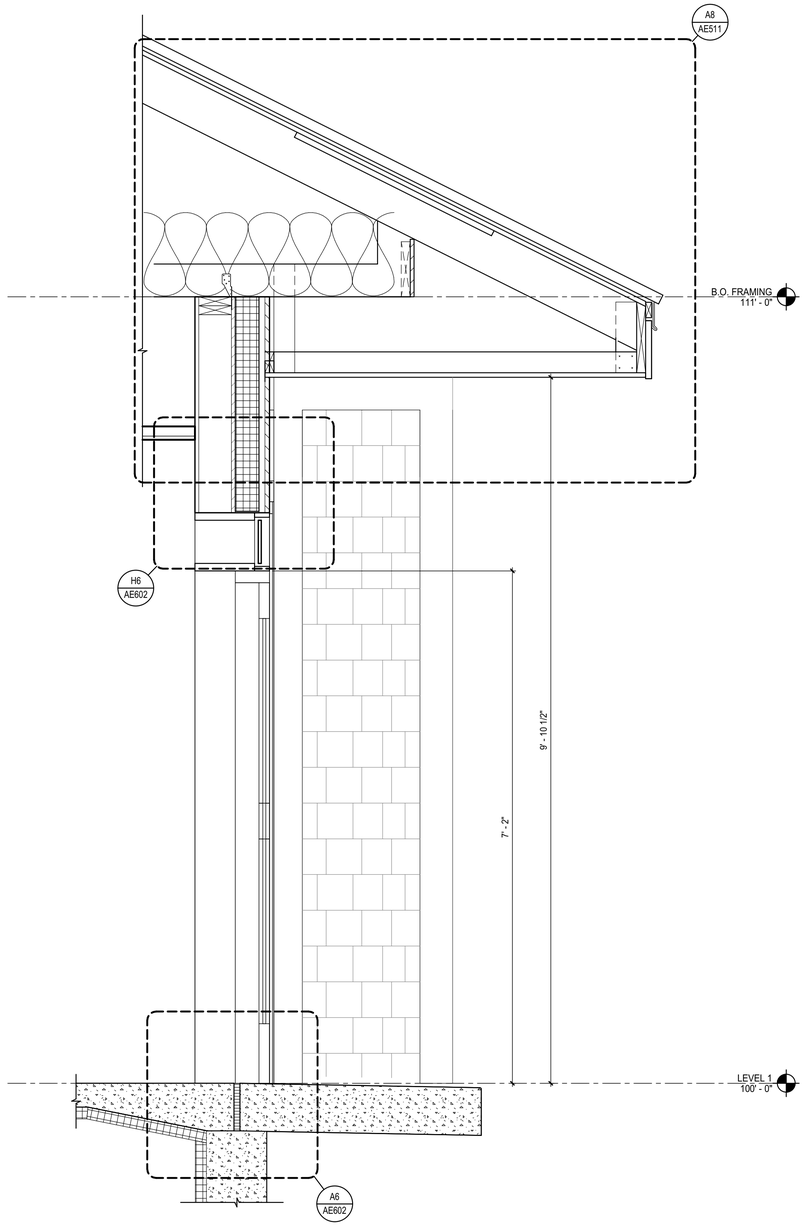
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

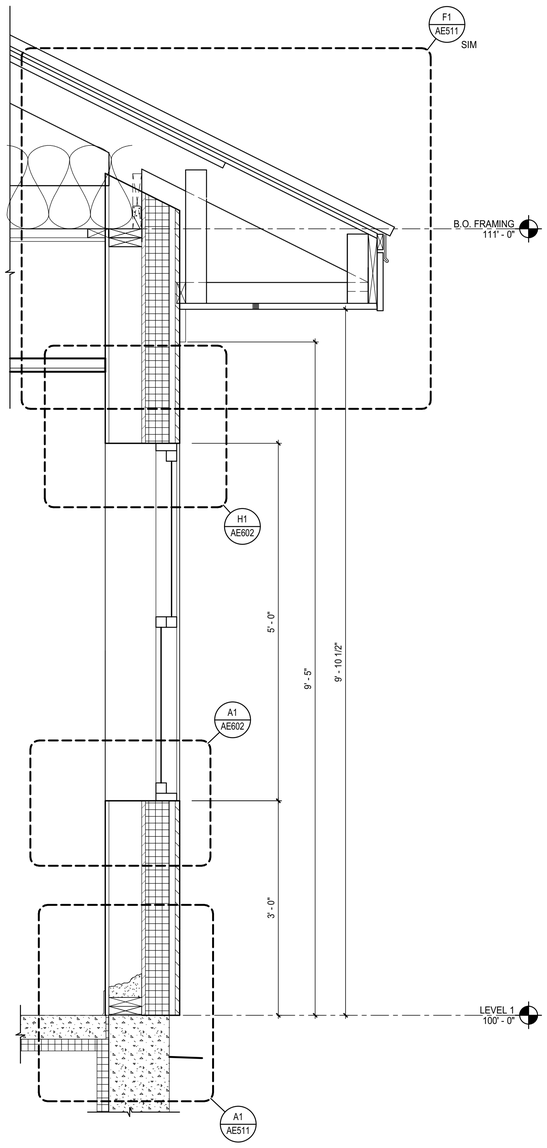
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE211-19176	SHEET No.	AE211

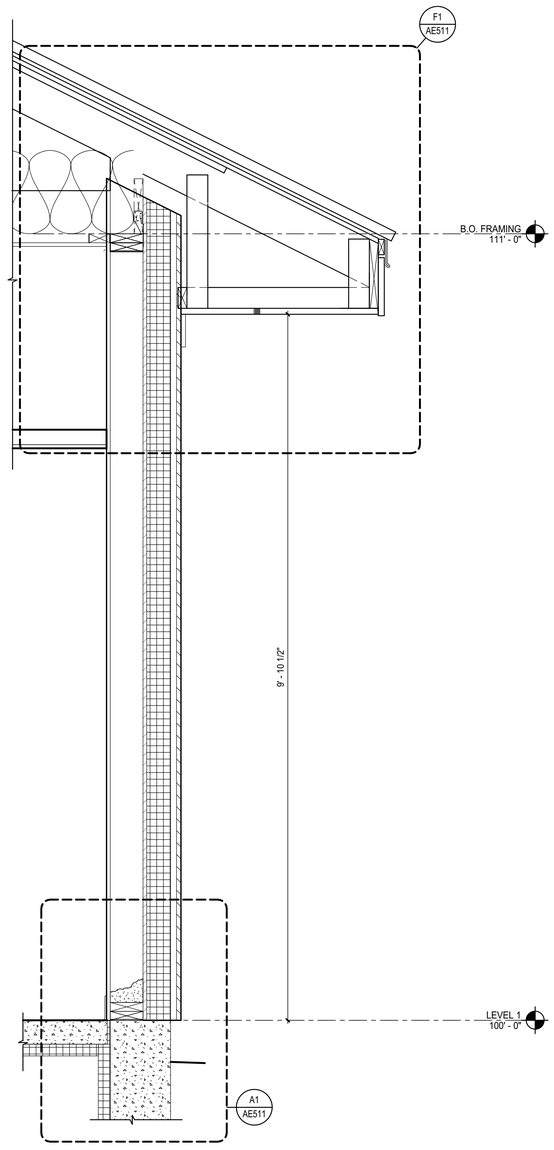
24x36



WALL SECTION A10
1" = 1'-0"



WALL SECTION A5
1" = 1'-0"



WALL SECTION A1
1" = 1'-0"

WALL SECTION NOTES:

1. SEE GI004 FOR LEGENDS AND ABBREVIATIONS.
2. SEE GI003 FOR WALL TYPES AND ROOF TYPES.
3. SEE AE511 AND AE512 FOR TOP OF WALL DETAILS.
4. PROVIDE ATTIC VENTALATION SYSTEM AS DETAILED. PROVIDE CONTINUOUS VENT STRIPS AT ROOF EDGES AND RIDGE; RE: SPECIFICATIONS.
5. PROVIDE METAL DRIP EDGE WITH HEMMED SUPPORT CLIPS AT ALL HORIZONTAL TRIM, WINDOW HEADS, WINDOW SILL AND TRANSITIONS OF MATERIALS UNLESS NOTED OTHERWISE.

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WALL SECTIONS

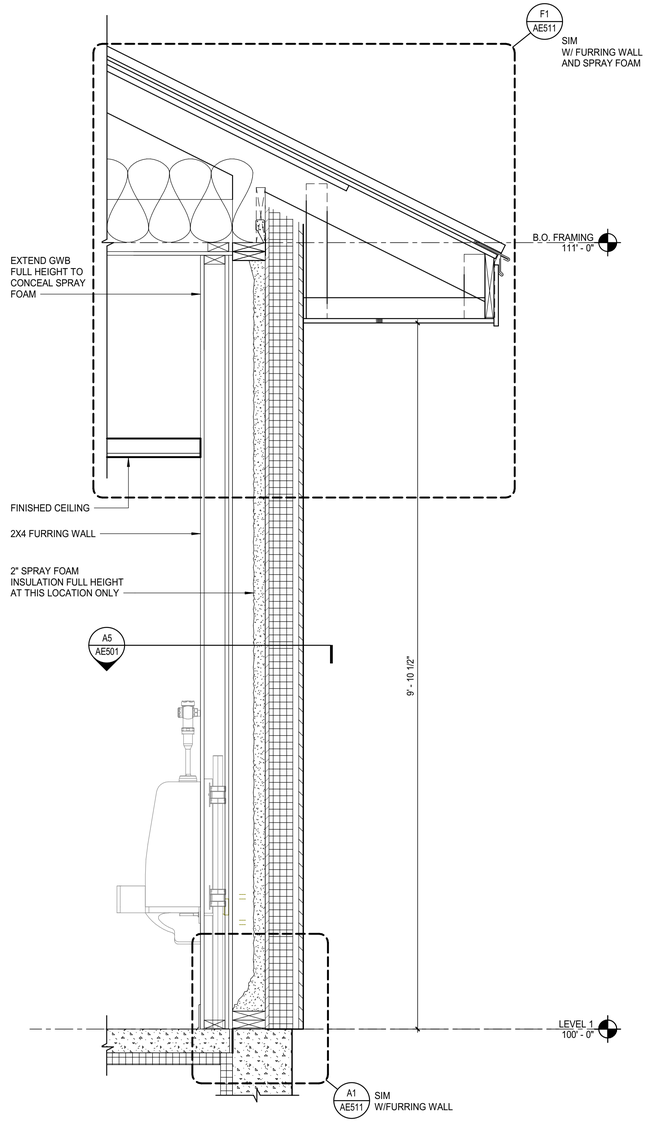
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

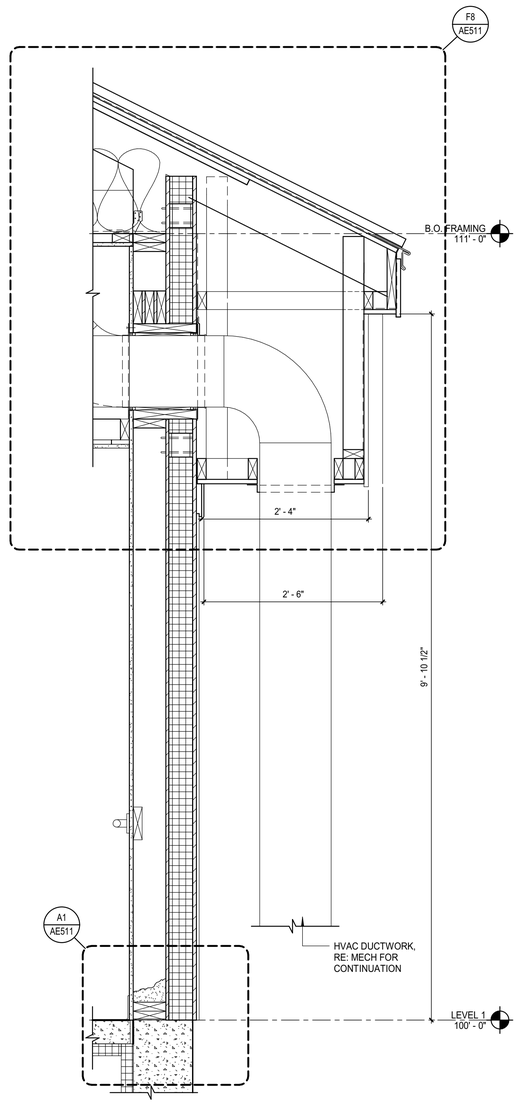
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE311-19176	SHEET No.	AE311

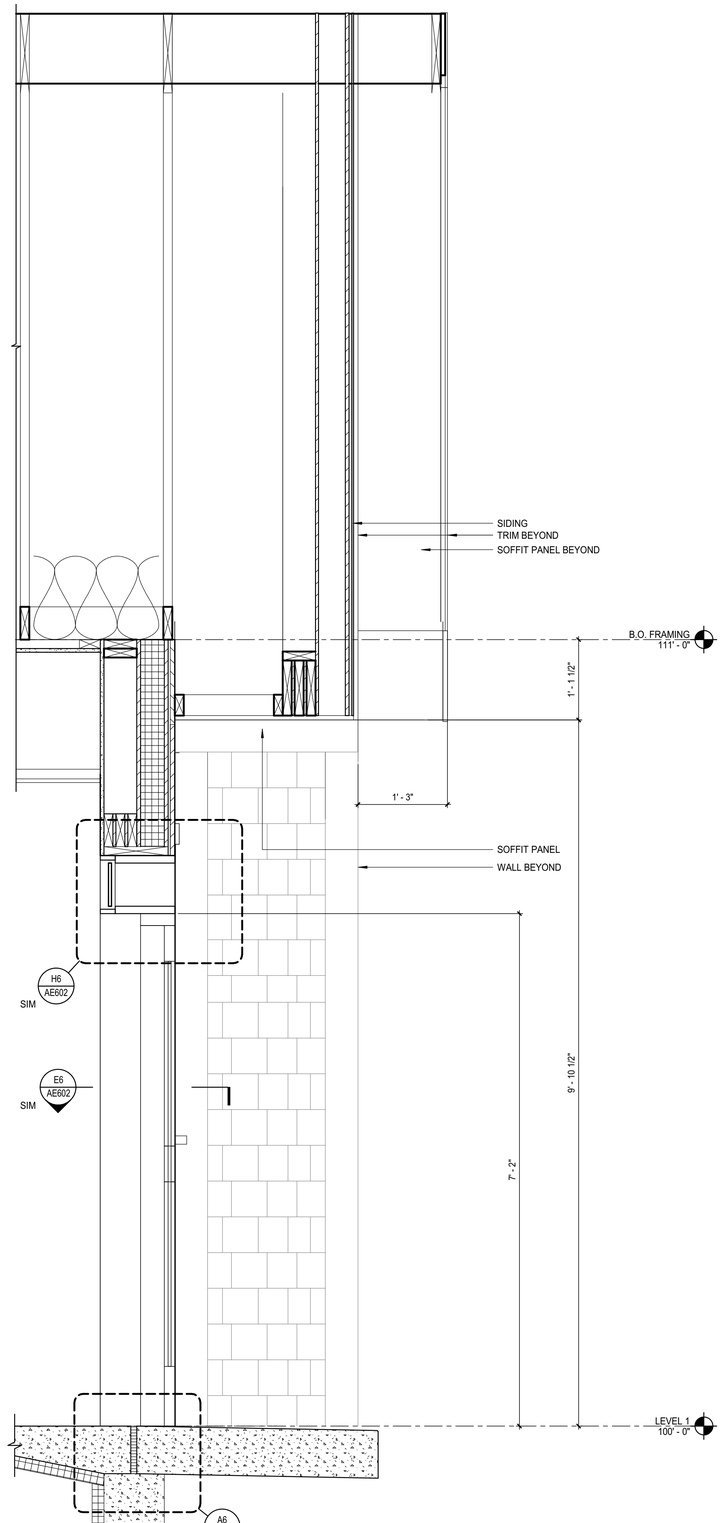
24x36



WALL SECTION A11
1" = 1'-0"



WALL SECTION A7
1" = 1'-0"



WALL SECTION A1
1" = 1'-0"

WALL SECTION NOTES:

1. SEE GI004 FOR LEGENDS AND ABBREVIATIONS.
2. SEE GI003 FOR WALL TYPES AND ROOF TYPES.
3. SEE AE511 AND AE512 FOR TOP OF WALL DETAILS.
4. PROVIDE ATTIC VENTALATION SYSTEM AS DETAILED. PROVIDE CONTINUOUS VENT STRIPS AT ROOF EDGES AND RIDGE; RE: SPECIFICATIONS.
5. PROVIDE METAL DRIP EDGE WITH HEMMED SUPPORT CLIPS AT ALL HORIZONTAL TRIM, WINDOW HEADS, WINDOW SILL AND TRANSITIONS OF MATERIALS UNLESS NOTED OTHERWISE.

REV	DESCRIPTION	DATE
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CURRENT ISSUE STATUS:

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MACHIASPORT, MAINE

WALL SECTIONS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE312-19176	SHEET No.	AE312

24x36

ACCESSORY SCHEDULE

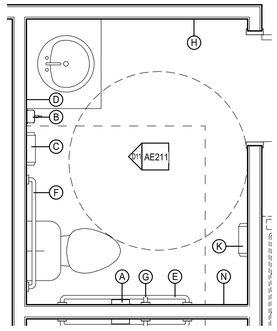
#	DESCRIPTION	PROVIDER
A	TOILET PAPER DISPENSER	O / C
B	SOAP DISPENSER	O / C
C	PAPER TOWER DISPENSER	O / C
D	24" X 36" MIRROR	C / C
E	42" GRAB BAR	C / C
F	36" GRAB BAR	C / C
G	18" VERTICAL GRAB BAR	C / C
H	ROBE HOOK, MOUNTED ON WALL AT 4'-0" UNLESS SPECIFIED OTHERWISE.	O / C
I	NOT USED	N/A
J	TV, WALL MOUNTED	C / C
K	BABY CHANGING STATION	C / C
L	SHOWER CURTAIN	O / C
M	MOP RACK AND SHELF	O / C
N	SANITARY NAPKIN DISPENSER	C / C
O	NOT USED	N/A
P	TOWEL BAR	C / C
Q	LOCKERS, DOUBLE STACKED	C / C

O / C = OWNER PROVIDED, CONTRACTOR INSTALLED
C / C = CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

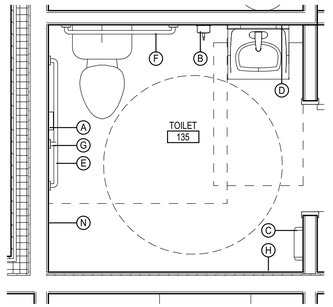
ENLARGED PLAN KEYED NOTES:

1 PAINTED WOOD WALL CAP, TYP AT BEDROOM PARTIAL HEIGHT WALL LOCATIONS.

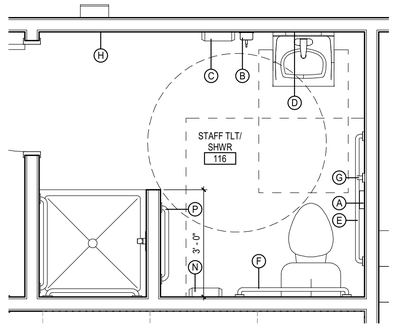
2 TOILET PARTITION, RE: SPECS.



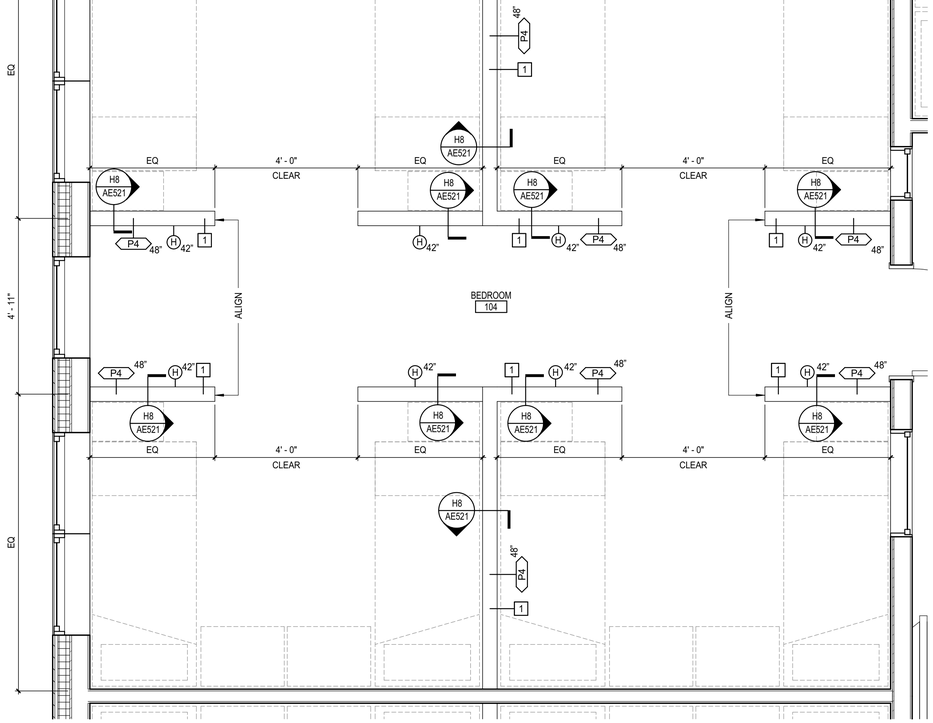
TOILET 132 (F7)
1/2" = 1'-0"



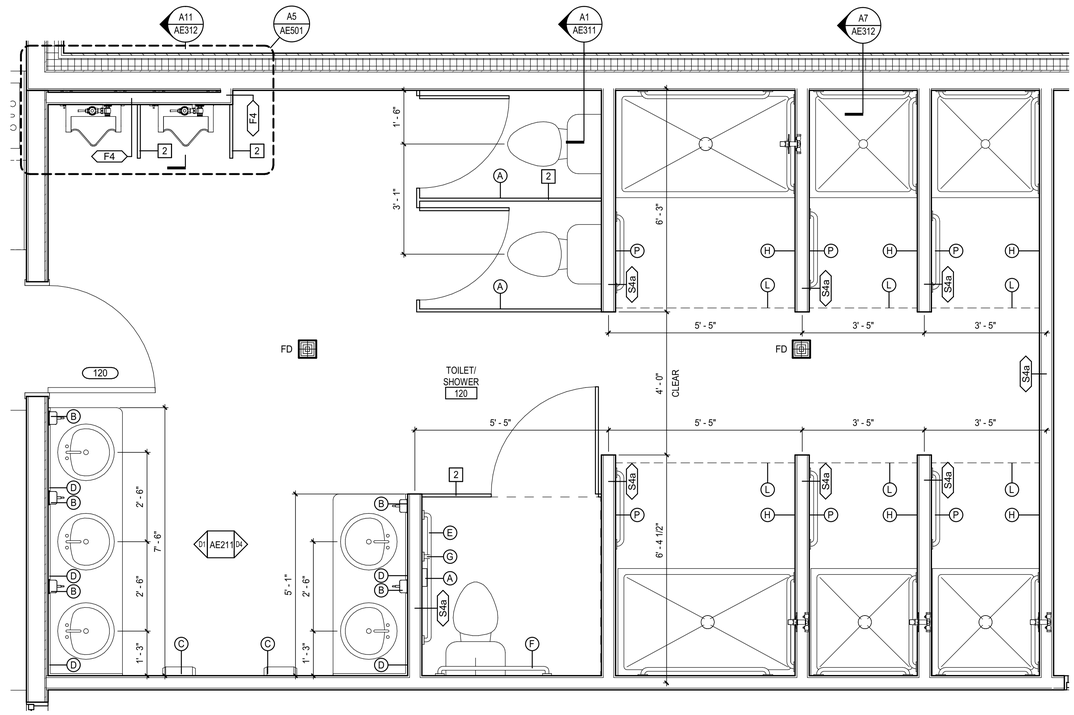
TOILET 135 (F4)
1/2" = 1'-0"



L1 - ENLARGED PLAN - TOILET 116 (F1)
1/2" = 1'-0"



TYPICAL BEDROOM (A9)
1/2" = 1'-0"



L1 - ENLARGED PLAN - TOILET/SHOWER 120 (A1)
1/2" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MACHIASPORT, MAINE

ENLARGED PLANS

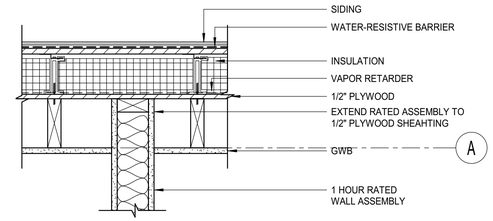
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

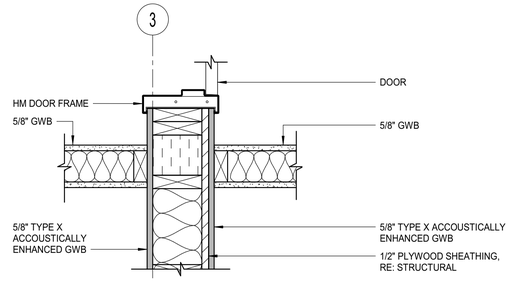
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE401-19176	SHEET No.	AE401

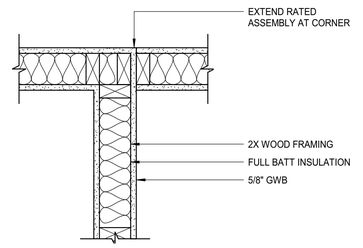
24x36



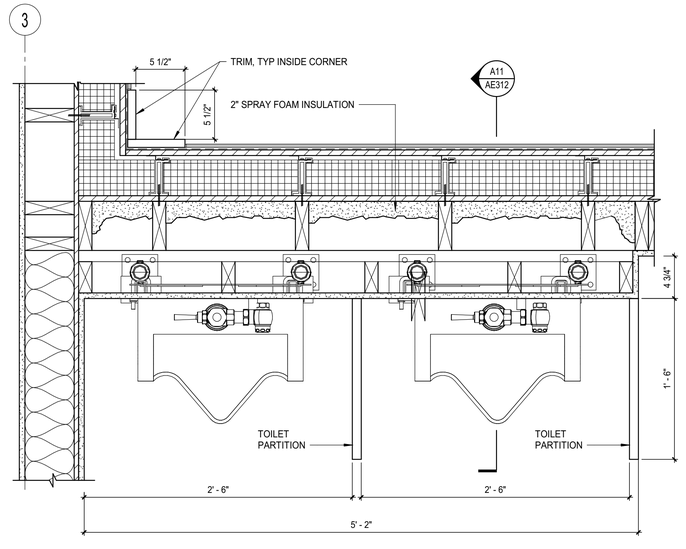
PLAN DETAIL J1
1 1/2" = 1'-0"



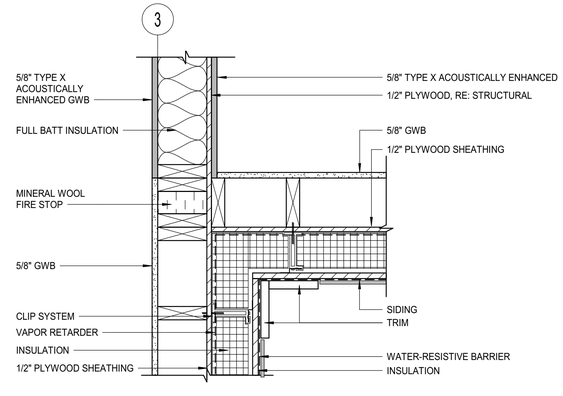
PLAN DETAIL F1
1 1/2" = 1'-0"



PLAN DETAIL D1
1 1/2" = 1'-0"



PLAN DETAIL A5
1 1/2" = 1'-0"



PLAN DETAIL A1
1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

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MACHIASPORT, MAINE

PLAN DETAILS

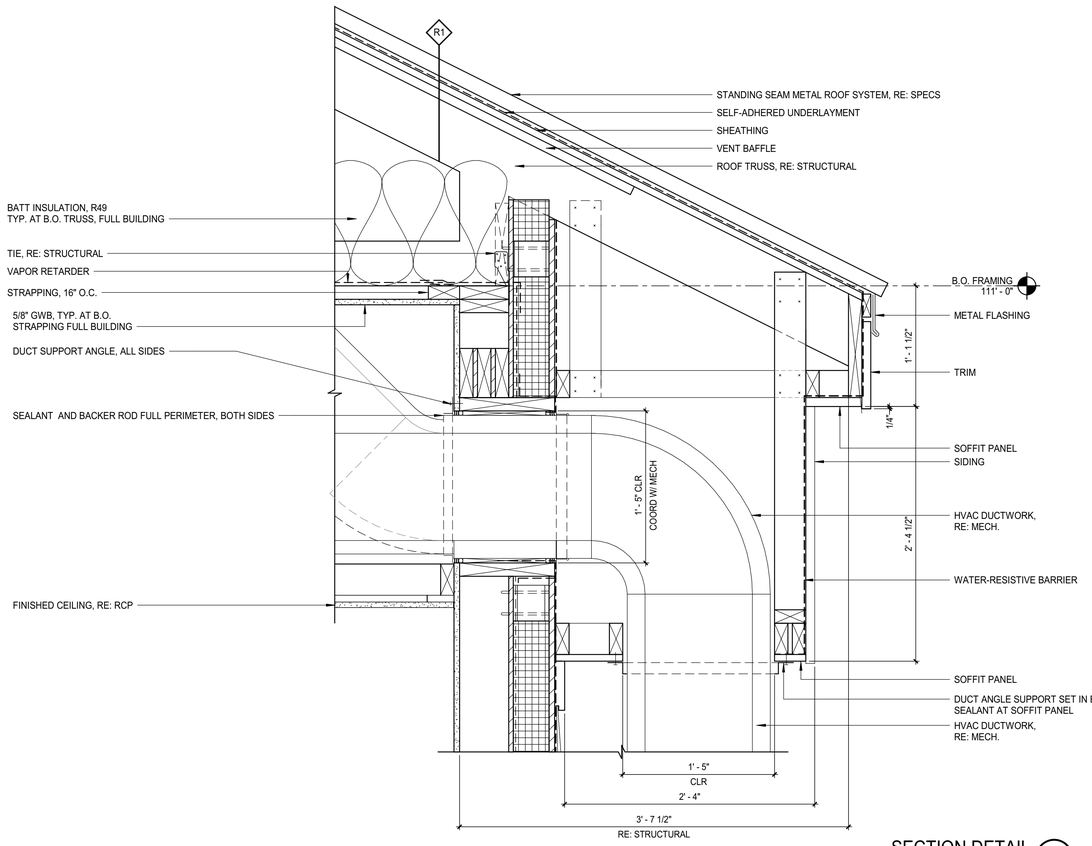
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

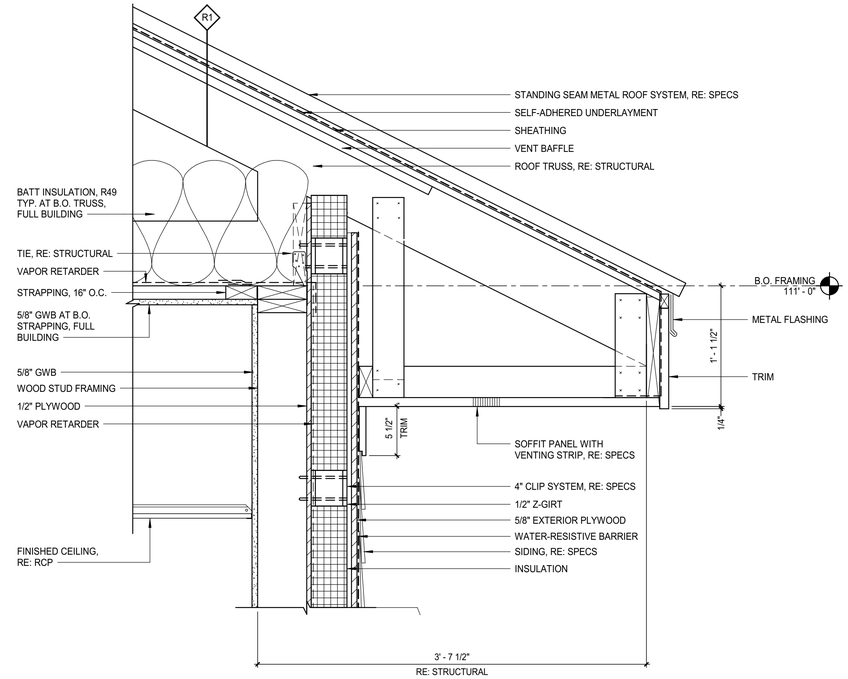
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE501
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE501-19176	SHEET No.	

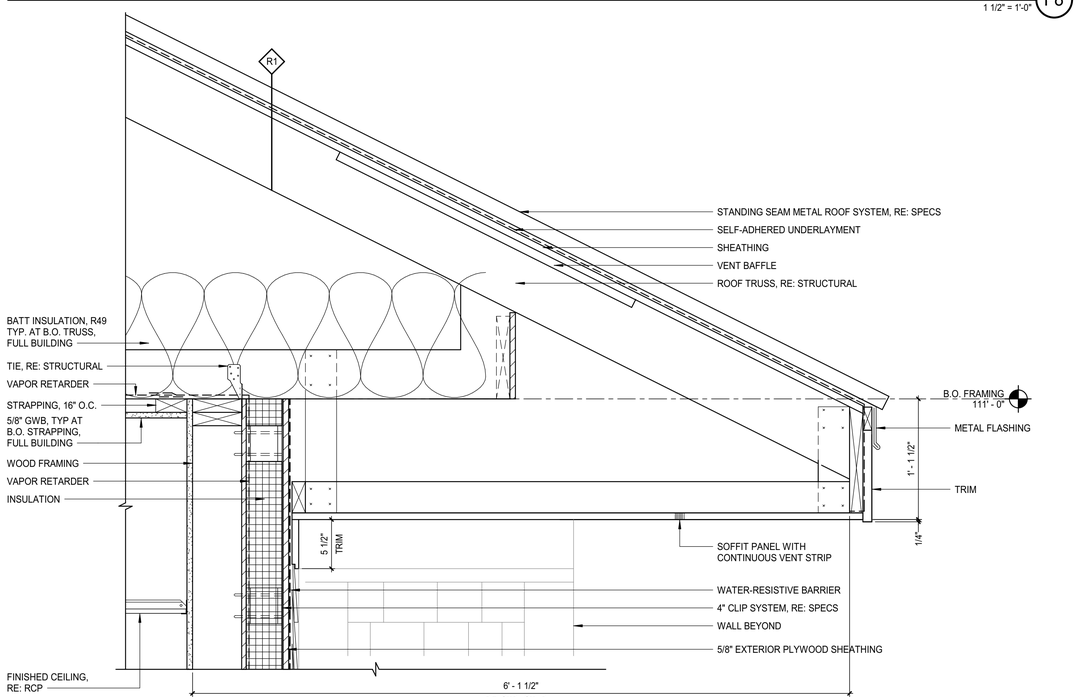
24x36



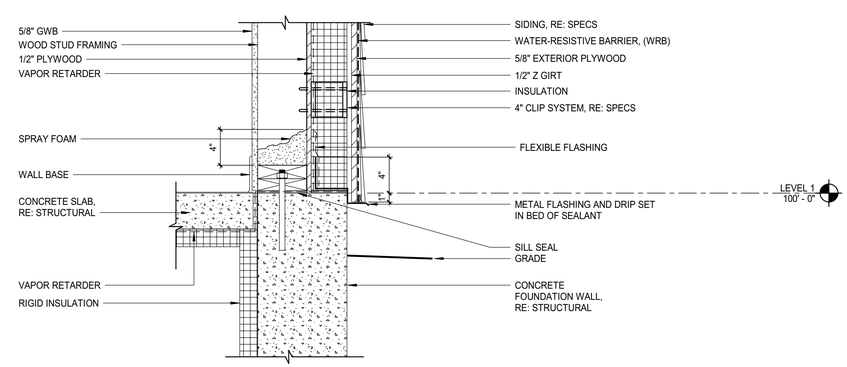
SECTION DETAIL F8
1 1/2" = 1'-0"



SECTION DETAIL F1
1 1/2" = 1'-0"



SECTION DETAIL A8
1 1/2" = 1'-0"



SECTION DETAIL A1
1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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08-14-20

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MACHIASPORT, MAINE

SECTION DETAILS

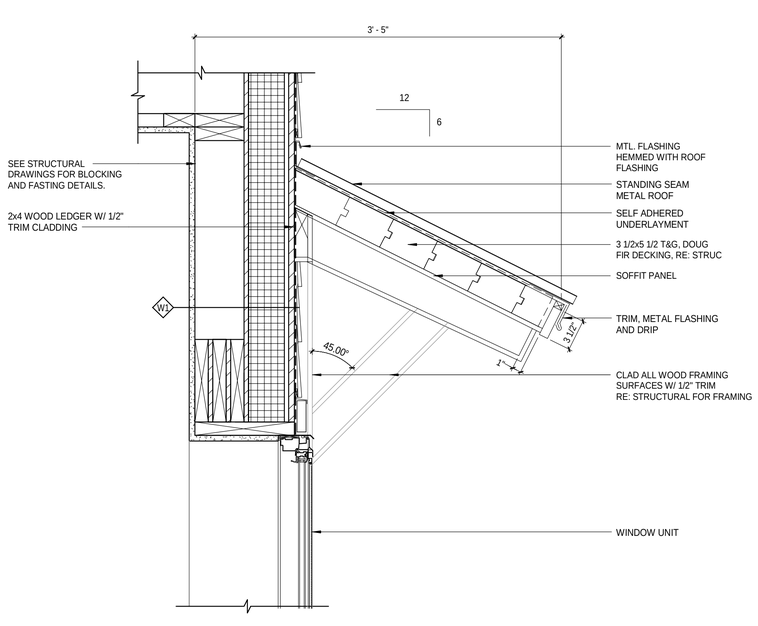
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE511
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE511-19176	SHEET No.	

24x36



SECTION DETAIL - SUN SHADE A1

1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

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SECTION DETAILS

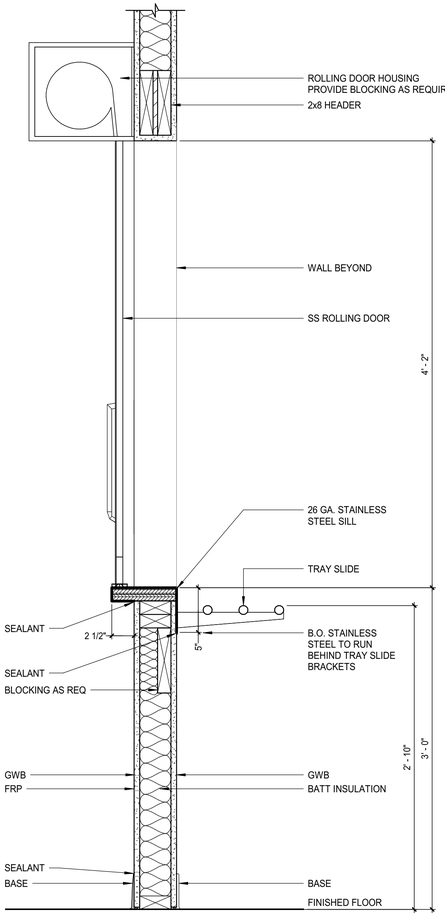
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

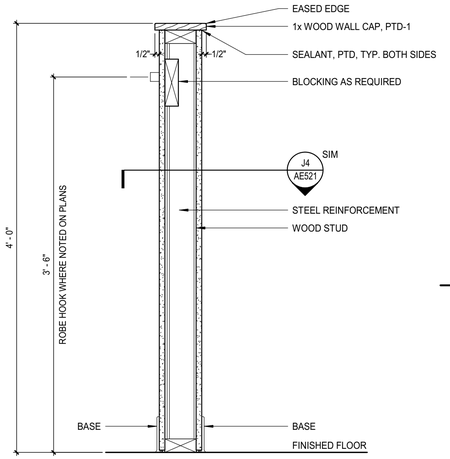
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE512
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE512-19176	SHEET No.	

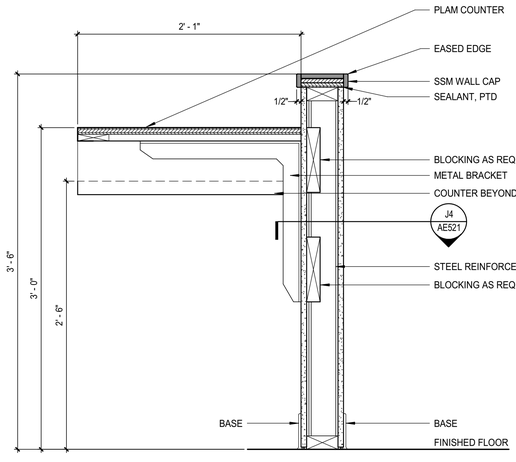
24x36



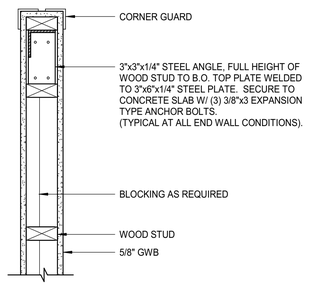
SECTION DETAIL D12
1 1/2" = 1'-0"

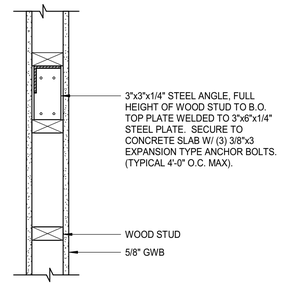


SECTION DETAIL H8
1 1/2" = 1'-0"

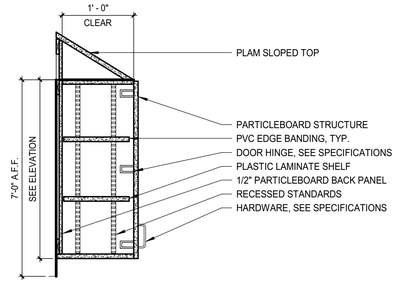


SECTION DETAIL D8
1 1/2" = 1'-0"



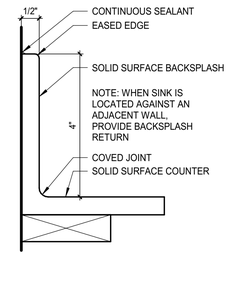


PLAN DETAIL J4
1 1/2" = 1'-0"

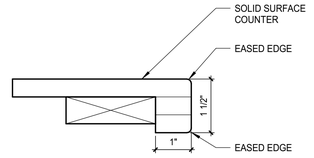


SECTION DETAIL G5
1" = 1'-0"

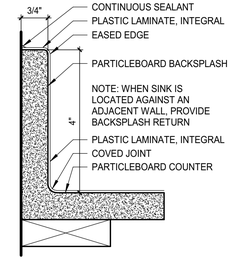
SECTION DETAIL D5
1" = 1'-0"



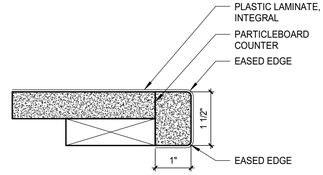
BACKSPLASH DETAIL - SOLID SURFACE J1
6" = 1'-0"



EDGE DETAIL - SOLID SURFACE J0
6" = 1'-0"



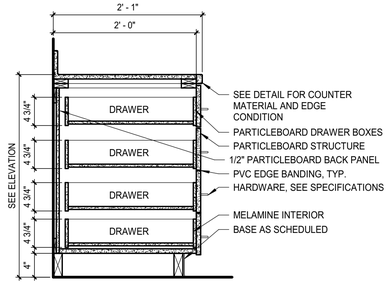
BACKSPLASH DETAIL - PLAM F1
6" = 1'-0"



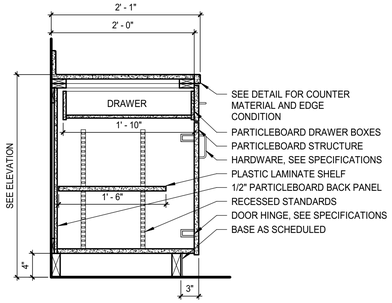
CSWK_EDGE_PLAM_INTEGRAL F0
6" = 1'-0"

SECTION DETAIL D5
1" = 1'-0"

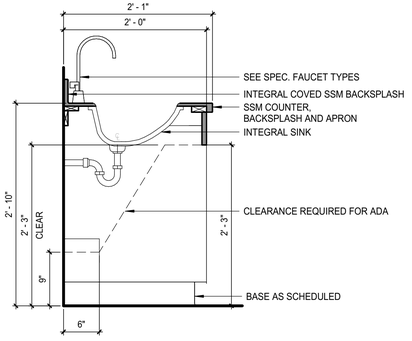
SECTION DETAIL D1
1" = 1'-0"



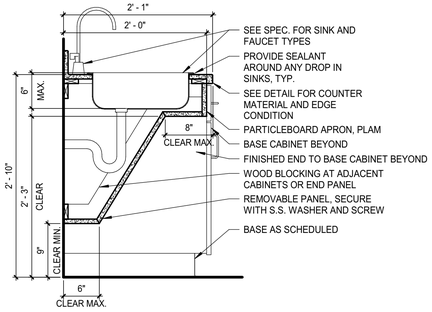
SECTION DETAIL A12
1" = 1'-0"



SECTION DETAIL A8
1" = 1'-0"



SECTION DETAIL A5
1" = 1'-0"



SECTION DETAIL A1
1" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

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MACHIASPORT, MAINE

CASEWORK DETAILS

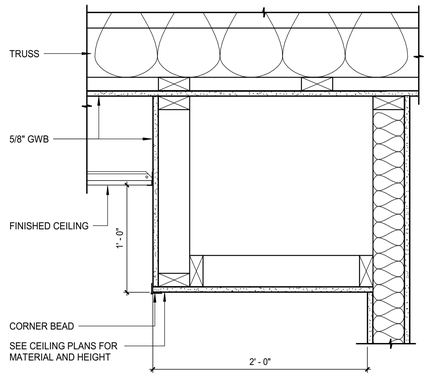
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

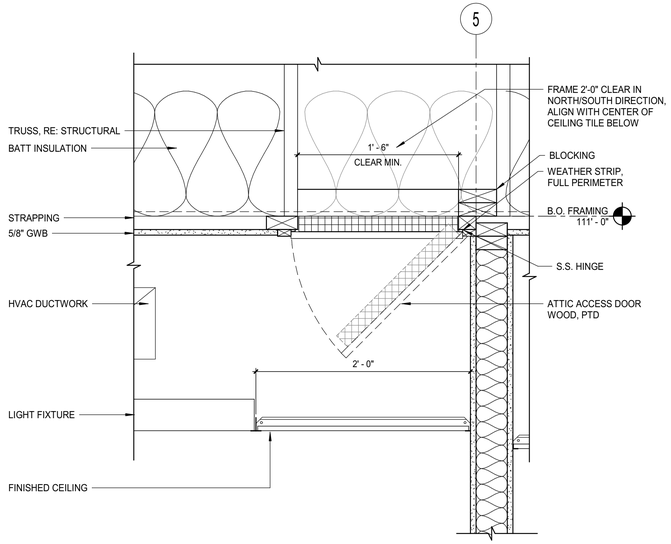
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE521-19176	SHEET No.	AE521

24x36



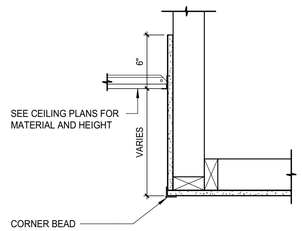
SOFFIT DETAIL J1

1 1/2" = 1'-0"



ATTIC ACCESS D1

1 1/2" = 1'-0"



SOFFIT DETAIL A1

1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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MACHIASPORT, MAINE

DETAILS - INTERIOR

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		AE531
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE531-19176	SHEET No.	

24x36

DOOR SCHEDULE

DOOR NUMBER	DOOR						FRAME						NOTES			DOOR NUMBER
	WIDTH	HEIGHT	THICKNESS	LEAF TYPE	MATERIAL	GLAZING	TYPE	MATERIAL	HEAD DTL	JAMB DTL	SILL DTL	GLASS	HARDWARE	FIRE RATING	REMARKS	
100	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F3	HM	A13/AE601	A11/AE601	-	TEMP	10	-		100
101	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		101
102	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		102
103	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		103
104	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		104
105	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		105
106	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	8	-		106
110	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	TEMP	10	45		110
111	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	6	-		111
112	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	6a	-	CARD READER	112
113	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	7	-		113
114	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	114
115	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	7	-		115
116	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	9	-		116
117A	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	2	-	CARD READER	117A
117B	3' - 0"	7' - 0"	1 3/4"	HG2	ALUM	INSUL/TEMP	F1	AL	H6/AE602	E6/AE602	-	-	1	-	CARD READER	117B
118	3' - 0"	7' - 0"	1 3/4"	HG	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	118
120	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	15	-		120
121	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	121
122	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	122
123	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	11	-	CARD READER	123
124	3' - 0"	7' - 0"	1 3/4"	HG2	ALUM	TEMP	F1	AL	H6/AE602	E6/AE602	-	-	3	-	CARD READER	124
130A	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	130A
130B	3' - 0"	7' - 0"	1 3/4"	HG2	ALUM	TEMP	F1	AL	H6/AE602	E6/AE602	-	-	3	-	CARD READER	130B
131	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	5	-		131
132	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	5	-		132
133A	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	10	-		133A
133B	3' - 0"	7' - 0"	1 3/4"	HG2	ALUM	TEMP	F1	AL	H6/AE602	E6/AE602	-	-	3	-	CARD READER	133B
134	3' - 0"	7' - 0"	1 3/4"	HG2	WD	TEMP	F1	HM	A13/AE601	A11/AE601	-	-	4	-	CARD READER	134
135	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	9	-		135
136	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	4a	-	CARD READER	136
137	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	6	-		137
140	3' - 0"	7' - 0"	1 3/4"	F	INSUL HM	-	F1	HM	H11/AE602	E11/AE602	-	-	13	45		140
141	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	14	45		141
142	3' - 0"	7' - 0"	1 3/4"	F	INSUL HM	-	F1	HM	H11/AE602	E11/AE602	-	-	13	-		142
143	6' - 0"	7' - 0"	1 3/4"	F,F	INSUL HM	-	F1	HM	H11/AE602	E11/AE602	-	-	12	45		143
144	3' - 0"	7' - 0"	1 3/4"	HG	WD	-	F1	HM	A13/AE601	A11/AE601	-	-	6	-		144

DOOR NOTES:

1. ALL SWINGING DOORS TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE.
2. ALL DOORS SHALL BE 3/4" UNDERCUT (TYPICAL) EXCEPT WHEN THERE IS A BOTTOM FRAME/THRESHOLD OR SPECIFICALLY NOTED OTHERWISE.
3. ALL DOORS WITH BOTTOM FRAMES OR SILL THRESHOLDS SHALL HAVE MANUFACTURERS RECOMMENDED STANDARD UNDERCUT.
4. GLAZING NOTED ON DOOR SCHEDULE IS FOR THE DOOR AND BORROWED LIGHT IN THE FRAME TYPICAL.
5. SEE SPECIFICATIONS FOR GLAZING TYPES AND INFORMATION.
6. GLAZING TO BE FREE OF STAMPS, MARKINGS, ETC. UNLESS REQUIRED BY CODE TO IDENTIFY A RATING.
7. GLAZING STOPS ON BORROWED LIGHTS SHALL BE LOCATED ON THE ROOM SIDE OF FRAME. BUTT JOINT ALL GLAZING STOP TIGHT TO FRAME FOR A CLEAN, FINISHED APPEARANCE.
8. CAULK PERIMETER OF DOOR AND WINDOW FRAMES TO THE WALL. MATCH FRAME COLOR.
9. CAULK EDGES AND VOIDS ALONG WINDOW STOPS OF HOLLOW METAL FRAMES PRIOR TO PAINTING TO PROVIDE A CLEAN FINISHED APPEARANCE.
10. ALL LABELS ON RATED DOORS TO BE FREE OF PAINT AND CLEARLY VISIBLE UPON INSPECTION.

DOOR ABBREVIATIONS:

AL	ALUMINUM
FG	FIBERGLASS
HM	HOLLOW METAL
IN	INSULATED
SF	STOREFRONT
SS	STAINLESS STEEL
TEMP	TEMPERED GLASS
WIRE	WIRED GLASS

DOOR HARDWARE TYPES:

1. CLASSROOM
LOCKABLE FROM OUTSIDE,
ALWAYS UNLOCKED FROM INSIDE.

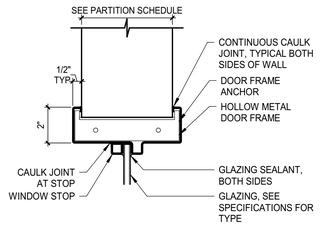
2. PASSAGE
NO LOCKS

3. PRIVACY
LOCKABLE FROM INSIDE,
EMERGENCY UNLOCKABLE FROM OUTSIDE

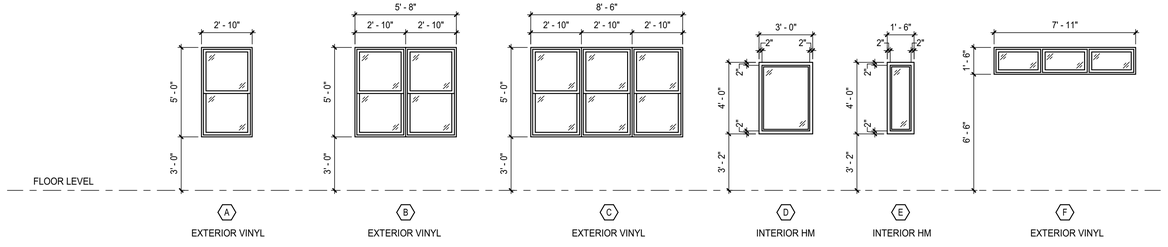
4. EGRESS
LOCKABLE FROM INSIDE LIMITING INGRESS,
NOT LOCKABLE TO EGRESS,
ALARMED.

5. OFFICE / STORAGE
ALWAYS LOCKED FROM OUTSIDE,
KEYED ACCESS,
ALWAYS UNLOCKED FROM INSIDE.

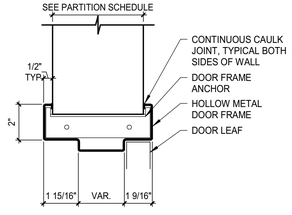
6. HOLDING
LOCKABLE FROM OUTSIDE NOT PERMITTING EGRESS FROM WITHIN.



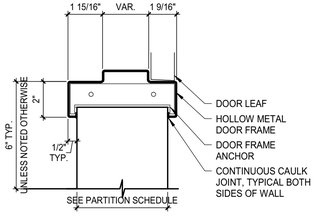
WINDOW HEAD DETAIL C11
3" = 1'-0"



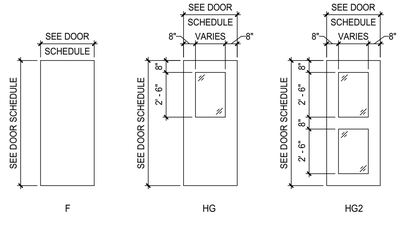
ELEV_WINDOW FRAMES C1
1/4" = 1'-0"



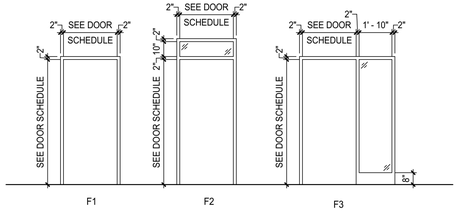
DOOR HEAD DETAIL A13
3" = 1'-0"



DOOR JAMB DETAIL A11
3" = 1'-0"



ELEV_DOOR LEAVES A4
1/4" = 1'-0"



ELEV_DOOR FRAMES A1
1/4" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

DOOR AND WINDOW SCHEDULES

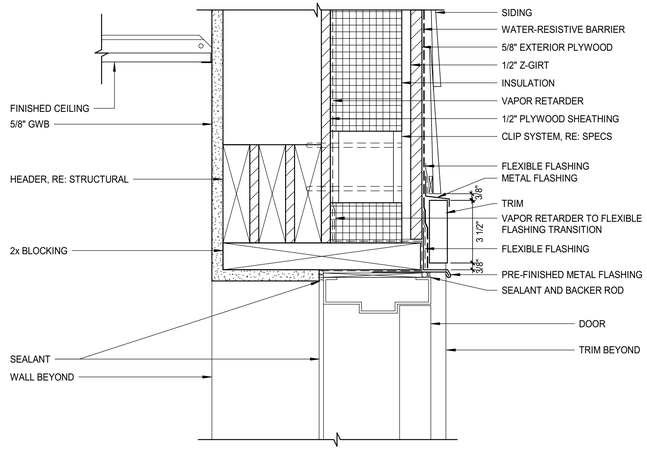
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

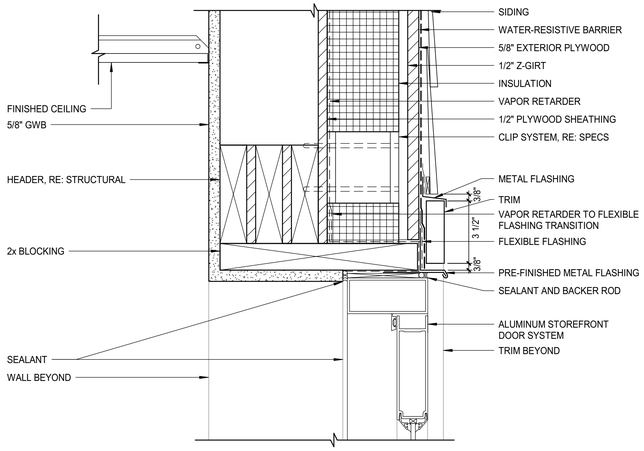
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM	AE601	
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE601-19176	SHEET No.	

24x36



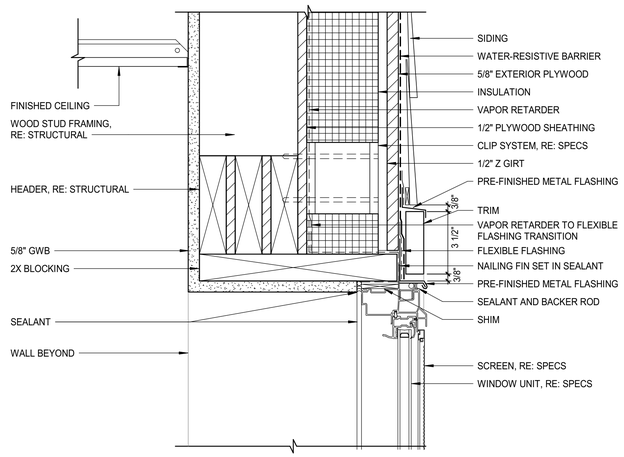
SECTION DETAIL - HM EXTERIOR DOOR HEAD H11

3" = 1'-0"



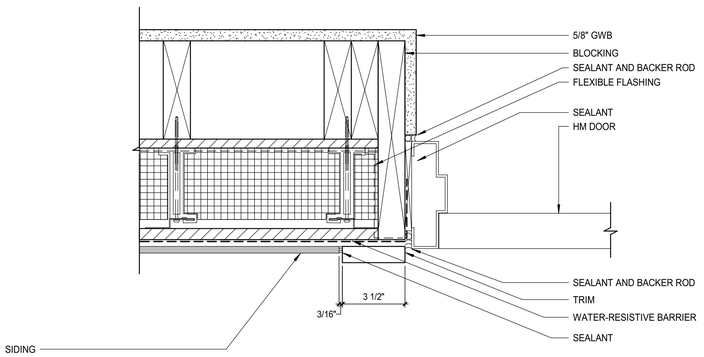
SECTION DETAIL - ALUM EXTERIOR DOOR HEAD H6

3" = 1'-0"



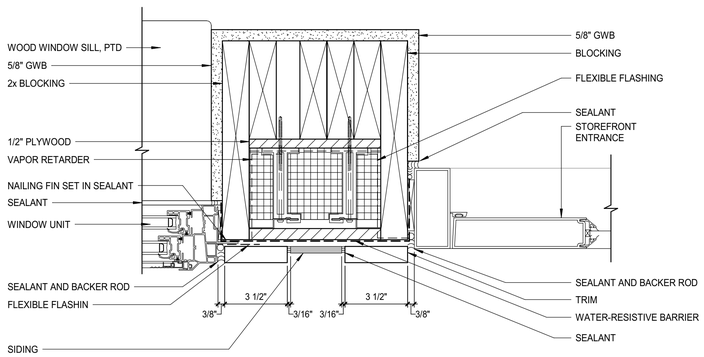
SECTION DETAIL - EXTERIOR WINDOW HEAD H1

3" = 1'-0"



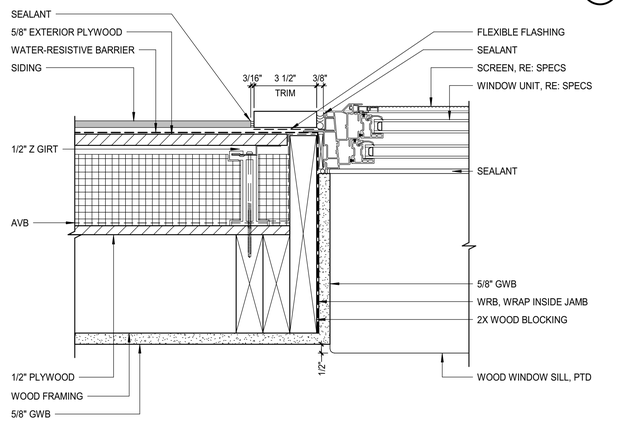
PLAN DETAIL - HM EXTERIOR DOOR JAMB E11

3" = 1'-0"



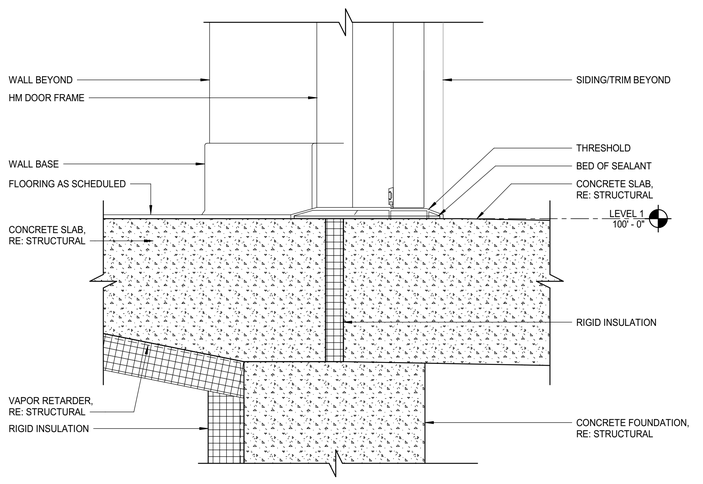
PLAN DETAIL - ALUM EXTERIOR DOOR JAMB E6

3" = 1'-0"



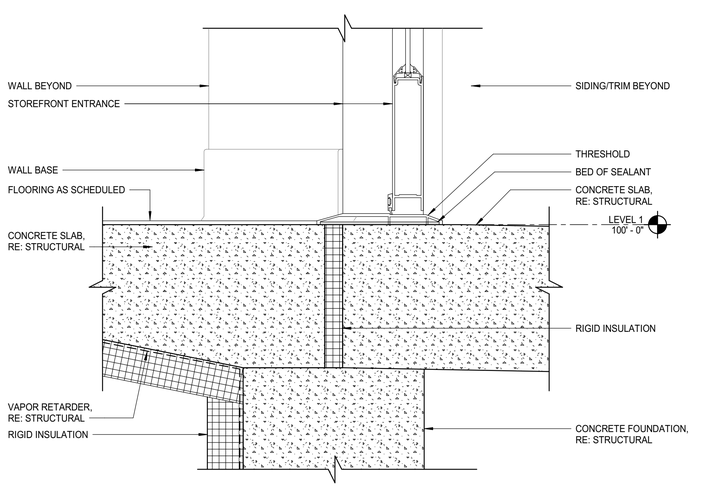
PLAN DETAIL - EXTERIOR WINDOW JAMB E1

3" = 1'-0"



SECTION DETAIL - HM EXTERIOR DOOR SILL A11

3" = 1'-0"



SECTION DETAIL - ALUM EXTERIOR DOOR SILL A6

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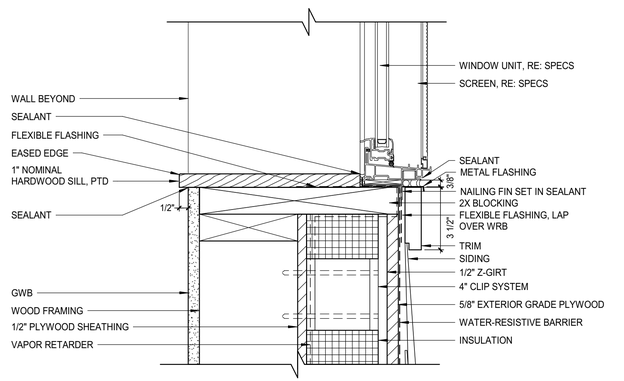

SECTION DETAIL - EXTERIOR WINDOW SILL A1

3" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20

CURRENT ISSUE STATUS:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

OPENING DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	CAH/CBM		
SMRT FILE:	AE602-19176	SHEET No.	AE602

24x36

MEN'S REENTRY BUILDING - FINISH PLAN - AREA A (A3)
1/4" = 1'-0"

WALL FINISH NOTES:

1. REFER TO THE ROOM FINISH SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING TYPE AND LOCATION OF FINISHES.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATION OF FLOOR FINISHES AND FLOOR FINISH PATTERNS.
3. REFER TO INTERIOR ELEVATIONS (*AE210*) FOR ADDITIONAL INFORMATION REGARDING WALL FINISHES AND WALL TILE PATTERNS.
4. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING SPECIFIED PAINT FINISHES (SHEEN).
5. HVAC GRILLES OR DIFFUSERS MOUNTED ON GWB SHALL BE FIELD PAINTED TO MATCH COLOR OF WALL.
6. ELECTRICAL PANELS LOCATED OUTSIDE OF ELECTRICAL ROOMS OR CLOSETS, SHALL BE FIELD PAINTED TO MATCH THE COLOR OF THE WALL ON WHICH IT IS MOUNTED.
7. ALL WALLS NOT INDICATED TO RECEIVE AN ACCENT COLOR SHALL BE PTD-1.
8. ALL HM DOORS TO BE PTD-2, UNLESS NOTED OTHERWISE.
9. ALL HM FRAMES, TRIM AND RAILINGS TO BE PTD-2, UNLESS NOTED OTHERWISE.
10. ALL GWB CEILINGS AND UNDERSIDE OF SOFFITS SHALL BE PTD-1, UNLESS NOTED OTHERWISE. REFER TO RCP (*AE111-AE112*) FOR ADDITIONAL INFORMATION REGARDING LOCATION OF SOFFITS.

FINISH LEGEND:

ACOUSTIC CEILING TILE
- ACT-1: ARMSTRONG CEILING SOLUTIONS, METALWORKS VECTOR, SIZE: 24X24-INCH, COLOR: GUN METAL GREY. INSTALL WITH MICRO-PERFORATED FLEECE BACKING.
- ACT-2: ARMSTRONG CEILING SOLUTIONS, DUNE, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM, FINISH: FINE TEXTURED, COLOR: WHITE.
- ACT-3: ARMSTRONG CEILING SOLUTIONS, CLEAN ROOM FL, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM, COLOR: WHITE.

CARPET TILE
- CPT-1: INTERFACE, 9.845X39.38-INCH PLANK, STYLE: DRIFTWOOD, COLOR: LEYLAND. INSTALLATION METHOD: ASHLAR.

CERAMIC TILE
- CT-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GRAY SPECKLE D208

CERAMIC TILE BASE
- CTB-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GRAY SPECKLE D208

EPOXY FLOORING
- EP-1: SHERWIN WILLIAMS, FASTOP MULTI TOP FLOOR SL45. COLOR: MID GRAY.

*EPOXY BASE TO 6"H, FINISHED WITH BRUSHED STEEL CAP

FIBERGLASS REINFORCED PLASTIC
- FRP: CRANE, GLASBORD, SMOOTH FINISH. COLOR: WHITE.

PAINT
- PTD-1: SHERWIN WILLIAMS, COLOR: EXTRA WHITE SW7006.
- PTD-2: SHERWIN WILLIAMS, COLOR: MARCH WIND SW7668.
- PTD-3: SHERWIN WILLIAMS, COLOR: LABRADORITE SW7619.
- PTD-4: SHERWIN WILLIAMS, COLOR: BREEZY SW7616.

PLASTIC LAMINATE
- PLAM-1 WILSONART, BEIGEWOOD 7850-60 (VERTICAL SURFACES - GRAIN TO RUN VERTICALLY)
- PLAM-2 WILSONART, LINEN D427-60 (HORIZONTAL SURFACES - COUNTERTOPS WITHOUT SINKS)

RESILIENT BASE
- RB-1: TARKETT, 4"H TRADITIONAL BASE WITH TOE, COLOR: PEWTER 48.

RUBBER FLOORING TILE
- RUB-1: NORA, GRANO, 39.53X39.53-INCH TILE, COLOR: BLACK PEPPER 5304. NTX BACKING.

SHEET VINYL
- SV-1: ALTRO, STYLE: ADHESIVE-FREE WOOD, COLOR: URBAN CHERRY.

SOLID SURFACE
- SSM-1 CORIAN, MODERN WHITE (COUNTERTOPS WITH SINKS)

VINYL COMPOSITION TILE
- VCT-1: ARMSTRONG, STYLE: STANDARD EXCELON, COLOR: 51904 STERLING.

WALK-OFF MAT
- WOM-1: TARKETT, ABRASIVE ACTION II, 24X24-INCH TILE, COLOR: CHARCOAL.

FLOOR FINISH NOTES:

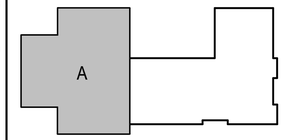
1. REFER TO THIS SHEET FOR LAYOUT OF FLOOR FINISH MATERIALS, REFER TO THE FINISH LEGEND ON THIS SHEET FOR ACTUAL MATERIALS USED.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATIONS OF PAINTED ACCENT WALLS AND OTHER WALL APPLIED FINISHES.
3. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING RESILIENT TRANSITIONS, THRESHOLDS, METAL EDGE STRIPS AND OTHER FLOORING ACCESSORIES.
4. FLOORING TO RUN BENEATH CASEWORK, UNLESS NOTED OTHERWISE.
5. CARPET INSTALLATION METHOD: ASHLAR

FINISH SYMBOL LEGEND:

REFER TO PAINT LEGEND AND ROOM FINISH TAG ON THIS SHEET FOR MATERIAL DESIGNATION NUMBERS AND PRODUCT INFORMATION.

(#) ACCENT PAINT DISTRIBUTION SYMBOL
(#) PAINT COLOR CODE
SV-1

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20
CURRENT ISSUE STATUS:

PROJECT NORTH:

LICENSED ARCHITECT
Jessica G. Johnson
3177
STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

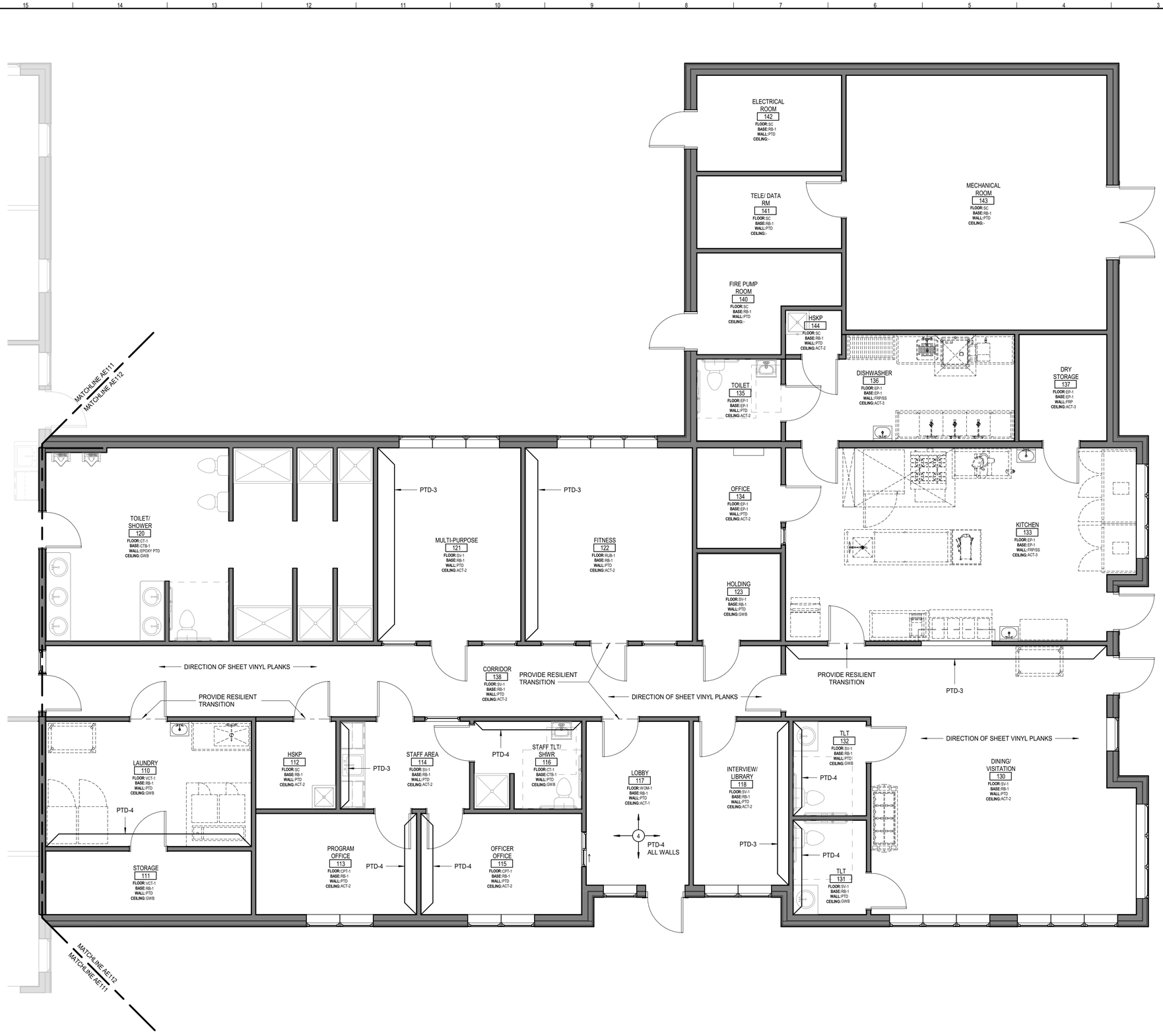
MEN'S REENTRY CENTER FINISH PLAN - AREA A

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		ID101
DRAWN BY:	LMS		
SMRT FILE:	ID101-19176	SHEET No.	

24x36



MEN'S REENTRY BUILDING - FINISH PLAN - AREA B (A3)
1/4" = 1'-0"

WALL FINISH NOTES:

1. REFER TO THE ROOM FINISH SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING TYPE AND LOCATION OF FINISHES.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATION OF FLOOR FINISHES AND FLOOR FINISH PATTERNS.
3. REFER TO INTERIOR ELEVATIONS (*AE210*) FOR ADDITIONAL INFORMATION REGARDING WALL FINISHES AND WALL TILE PATTERNS.
4. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING SPECIFIED PAINT FINISHES (SHEEN).
5. HVAC GRILLES OR DIFFUSERS MOUNTED ON GWB SHALL BE FIELD PAINTED TO MATCH COLOR OF WALL.
6. ELECTRICAL PANELS LOCATED OUTSIDE OF ELECTRICAL ROOMS OR CLOSETS, SHALL BE FIELD PAINTED TO MATCH THE COLOR OF THE WALL ON WHICH IT IS MOUNTED.
7. ALL WALLS NOT INDICATED TO RECEIVE AN ACCENT COLOR SHALL BE PTD-1.
8. ALL HM DOORS TO BE PTD-2, UNLESS NOTED OTHERWISE.
9. ALL HM FRAMES, TRIM AND RAILINGS TO BE PTD-2, UNLESS NOTED OTHERWISE.
10. ALL GWB CEILINGS AND UNDERSIDE OF SOFFITS SHALL BE PTD-1, UNLESS NOTED OTHERWISE. REFER TO RCP (*AE111-AE112*) FOR ADDITIONAL INFORMATION REGARDING LOCATION OF SOFFITS.

FINISH LEGEND:

ACOUSTIC CEILING TILE
- ACT-1: ARMSTRONG CEILING SOLUTIONS, METALWORKS VECTOR, SIZE: 24X24-INCH, COLOR: GUN METAL GREY. INSTALL WITH MICRO-PERFORATED FLEECE BACKING.
- ACT-2: ARMSTRONG CEILING SOLUTIONS, DUNE, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM, FINISH: FINE TEXTURED, COLOR: WHITE.
- ACT-3: ARMSTRONG CEILING SOLUTIONS, CLEAN ROOM FL, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM, COLOR: WHITE.

CARPET TILE
- CPT-1: INTERFACE, 9.845X39.38-INCH PLANK, STYLE: DRIFTWOOD, COLOR: LEYLAND. INSTALLATION METHOD: ASHLAR.

CERAMIC TILE
- CT-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GRAY SPECKLE D208

CERAMIC TILE BASE
- CTB-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GRAY SPECKLE D208

EPOXY FLOORING
- EP-1: SHERWIN WILLIAMS, FASTOP MULTI TOP FLOOR SL45, COLOR: MID GRAY.

*EPOXY BASE TO 6"H, FINISHED WITH BRUSHED STEEL CAP

FIBERGLASS REINFORCED PLASTIC
- FRP: CRANE, GLASBORD, SMOOTH FINISH. COLOR: WHITE.

PAINT
- PTD-1: SHERWIN WILLIAMS, COLOR: EXTRA WHITE SW7006.
- PTD-2: SHERWIN WILLIAMS, COLOR: MARCH WIND SW7668.
- PTD-3: SHERWIN WILLIAMS, COLOR: LABRADORITE SW7619.
- PTD-4: SHERWIN WILLIAMS, COLOR: BREEZY SW7616.

PLASTIC LAMINATE
- PLAM-1 WILSONART, BEIGEWOOD 7850-60 (VERTICAL SURFACES - GRAIN TO RUN VERTICALLY)
- PLAM-2 WILSONART, LINEN D427-60 (HORIZONTAL SURFACES - COUNTERTOPS WITHOUT SINKS)

RESILIENT BASE
- RB-1: TARKETT, 4"H TRADITIONAL BASE WITH TOE, COLOR: PEWTER 48.

RUBBER FLOORING TILE
- RUB-1: NORA, GRANO, 39.53X39.53-INCH TILE, COLOR: BLACK PEPPER 5304. NTX BACKING.

SHEET VINYL
- SV-1: ALTRO, STYLE: ADHESIVE-FREE WOOD, COLOR: URBAN CHERRY.

SOLID SURFACE
- SSM-1 CORIAN, MODERN WHITE (COUNTERTOPS WITH SINKS)

VINYL COMPOSITION TILE
- VCT-1: ARMSTRONG, STYLE: STANDARD EXCELON, COLOR: 51904 STERLING.

WALK-OFF MAT
- WOM-1: TARKETT, ABRASIVE ACTION II, 24X24-INCH TILE, COLOR: CHARCOAL.

FLOOR FINISH NOTES:

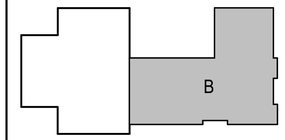
1. REFER TO THIS SHEET FOR LAYOUT OF FLOOR FINISH MATERIALS, REFER TO THE FINISH LEGEND ON THIS SHEET FOR ACTUAL MATERIALS USED.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATIONS OF PAINTED ACCENT WALLS AND OTHER WALL APPLIED FINISHES.
3. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING RESILIENT TRANSITIONS, THRESHOLDS, METAL EDGE STRIPS AND OTHER FLOORING ACCESSORIES.
4. FLOORING TO RUN BENEATH CASEWORK, UNLESS NOTED OTHERWISE.
5. CARPET INSTALLATION METHOD: ASHLAR

FINISH SYMBOL LEGEND:

REFER TO PAINT LEGEND AND ROOM FINISH TAG ON THIS SHEET FOR MATERIAL DESIGNATION NUMBERS AND PRODUCT INFORMATION.

ACCENT PAINT DISTRIBUTION SYMBOL
(#) PAINT COLOR CODE
SV-1

MENS RE-ENTRY BUILDING



KEY PLAN N.T.S. F0

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

ISSUED FOR CONSTRUCITON
08-14-20
CURRENT ISSUE STATUS:

PROJECT NORTH: TRUE NORTH

LICENSED ARCHITECT Jessica G. Johnson 3177 STATE OF MAINE
08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

MEN'S REENTRY CENTER FINISH PLAN - AREA B

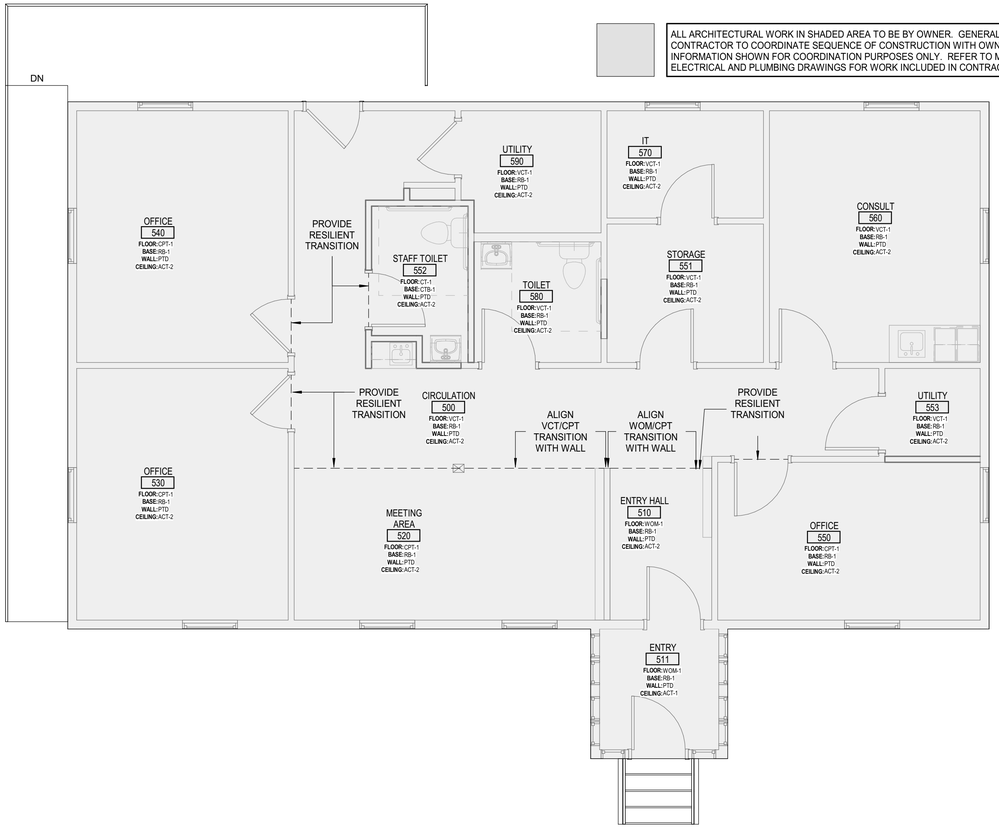
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	LMS		
SMRT FILE:	ID102-19176	SHEET No.	ID102

24x36



ALL ARCHITECTURAL WORK IN SHADED AREA TO BE BY OWNER. GENERAL CONTRACTOR TO COORDINATE SEQUENCE OF CONSTRUCTION WITH OWNER. INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR WORK INCLUDED IN CONTRACTOR SCOPE.

LEVEL 1 FLOOR PLAN A3
1/4" = 1'-0"

WALL FINISH NOTES:

1. REFER TO THE ROOM FINISH SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING TYPE AND LOCATION OF FINISHES.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATION OF FLOOR FINISHES AND FLOOR FINISH PATTERNS.
3. REFER TO INTERIOR ELEVATIONS (*AE210*) FOR ADDITIONAL INFORMATION REGARDING WALL FINISHES AND WALL TILE PATTERNS.
4. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING SPECIFIED PAINT FINISHES (SHEEN).
5. HVAC GRILLES OR DIFFUSERS MOUNTED ON GWB SHALL BE FIELD PAINTED TO MATCH COLOR OF WALL.
6. ELECTRICAL PANELS LOCATED OUTSIDE OF ELECTRICAL ROOMS OR CLOSETS, SHALL BE FIELD PAINTED TO MATCH THE COLOR OF THE WALL ON WHICH IT IS MOUNTED.
7. ALL WALLS NOT INDICATED TO RECEIVE AN ACCENT COLOR SHALL BE PTD-1.
8. ALL HM DOORS TO BE PTD-2, UNLESS NOTED OTHERWISE.
9. ALL HM FRAMES, TRIM AND RAILINGS TO BE PTD-2, UNLESS NOTED OTHERWISE.
10. ALL GWB CEILINGS AND UNDERSIDE OF SOFFITS SHALL BE PTD-1, UNLESS NOTED OTHERWISE. REFER TO RCP (*AE111-AE112*) FOR ADDITIONAL INFORMATION REGARDING LOCATION OF SOFFITS.

FINISH LEGEND:

ACOUSTIC CEILING TILE
- ACT-1: ARMSTRONG CEILING SOLUTIONS, METALWORKS VECTOR, SIZE: 24X24-INCH, COLOR: TBD. INSTALL WITH MICRO-PERFORATED FLEECE BACKING.
- ACT-2: ARMSTRONG CEILING SOLUTIONS, DUNE, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM, FINISH: FINE TEXTURED, COLOR: WHITE
- ACT-3: ARMSTRONG CEILING SOLUTIONS, CLEAN ROOM FL, 24X24-INCH TILE SQUARE LAY-IN, 15/16-INCH MTL GRID SYSTEM. COLOR: WHITE.

CARPET TILE
- CPT-1: INTERFACE, 9.845X39.38-INCH PLANK, COLLECTION: DRIFTWOOD, COLOR: LEYLAND 104852. INSTALLATION METHOD: ASHLAR.

CERAMIC TILE
- CT-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GREY SPECKLE D208.

CERAMIC TILE BASE
- CTB-1: DALTILE, 2X2-INCH MOSAIC TILE, COLLECTION: KEYSTONES, COLOR: SUEDE GREY SPECKLE D208.

PAINT
- PTD-1: SHERWIN WILLIAMS, COLOR: EXTRA WHITE SW7006.
- PTD-2: SHERWIN WILLIAMS, COLOR: MARCH WIND SW7668.
- PTD-3: SHERWIN WILLIAMS, COLOR: LABRADORITE SW7619.
- PTD-4: SHERWIN WILLIAMS, COLOR: BREEZY SW7616.

PLASTIC LAMINATE
- PL-1 WILSONART, COLOR: BEIGEWOOD 7850-60 (VERTICAL SURFACES - GRAIN TO RUN VERTICALLY)
- PL-2 PIONITE, TBD (HORIZONTAL SURFACES - COUNTERTOPS WITHOUT SINKS)

RESILIENT BASE
- RB-1: TARKETT, 4"H TRADITIONAL BASE WITH TOE, COLOR: PEWTER 38.

RUBBER FLOORING TILE
- RUB-1: NORA, GRANO, 39.53X39.53-INCH TILE, COLOR: BLACK PEPPER 5304. NTX BACKING.

SHEET VINYL
- SV-1: ALTRO, STYLE: WOOD ADHESIVE FREE, COLOR: URBAN CHERRY.

SOLID SURFACE
- SSM-1 CORIAN, COLOR: MODERN WHITE (COUNTERTOPS WITH SINKS)

VINYL COMPOSITION TILE
- VCT-1: ARMSTRONG, STYLE: STANDARD EXCELON, COLOR: 51904 STERLING.

WALK-OFF MAT
- WOM-1: TARKETT, ABRASIVE ACTION II, 24X24-INCH TILE, COLOR: CHARCOAL.

FLOOR FINISH NOTES:

1. REFER TO THIS SHEET FOR LAYOUT OF FLOOR FINISH MATERIALS, REFER TO THE FINISH LEGEND ON THIS SHEET FOR ACTUAL MATERIALS USED.
2. REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATIONS OF PAINTED ACCENT WALLS AND OTHER WALL APPLIED FINISHES.
3. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING RESILIENT TRANSITIONS, THRESHOLDS, METAL EDGE STRIPS AND OTHER FLOORING ACCESSORIES.
4. FLOORING TO RUN BENEATH CASEWORK, UNLESS NOTED OTHERWISE.
5. CARPET INSTALLATION METHOD: ASHLAR

FINISH SYMBOL LEGEND:

REFER TO PAINT LEGEND AND ROOM FINISH TAG ON THIS SHEET FOR MATERIAL DESIGNATION NUMBERS AND PRODUCT INFORMATION.

ACCENT PAINT DISTRIBUTION SYMBOL

PAINT COLOR CODE

SV-1

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCITON	08-14-20

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08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

TRUE NORTH

LICENSED ARCHITECT Jessica G. Johnson 3177 STATE OF MAINE

08-14-20

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

ADMIN BUILDING FINISH PLAN

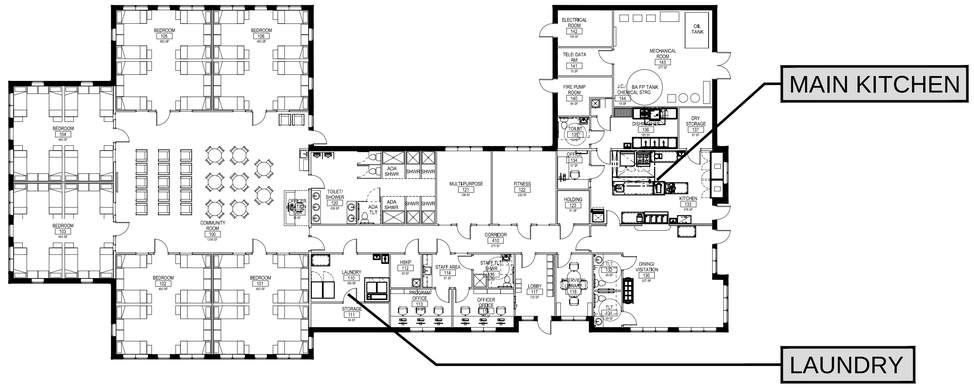
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

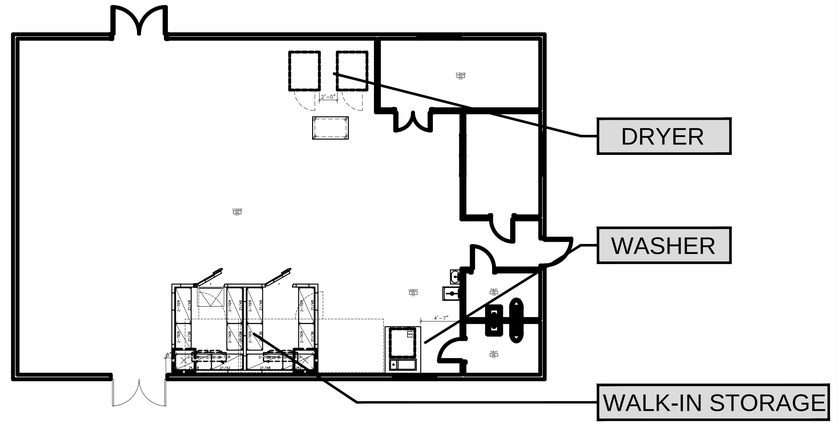
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	LMS		
SMRT FILE:	ID103-19176	SHEET No.	ID103

24x36



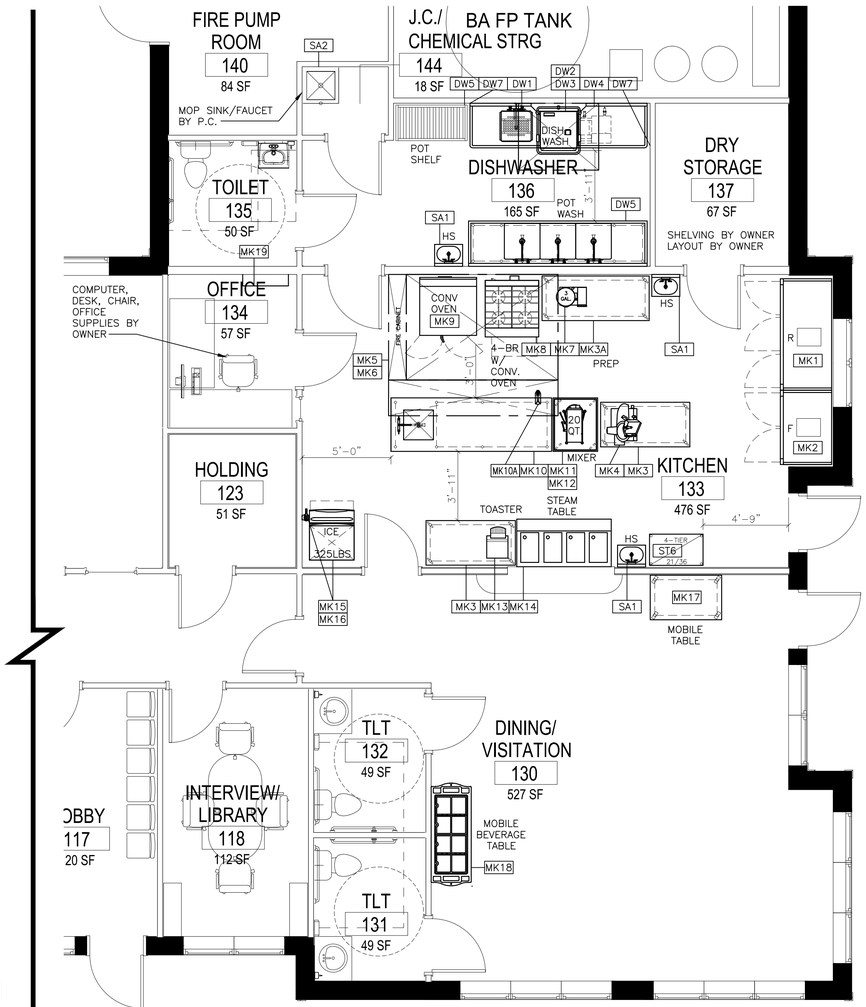
M1 MASTER PLAN

Scale: 1/16" = 1'–0"



M2 MASTER PLAN – STORAGE BUILDING

Scale: 1/8" = 1'–0"

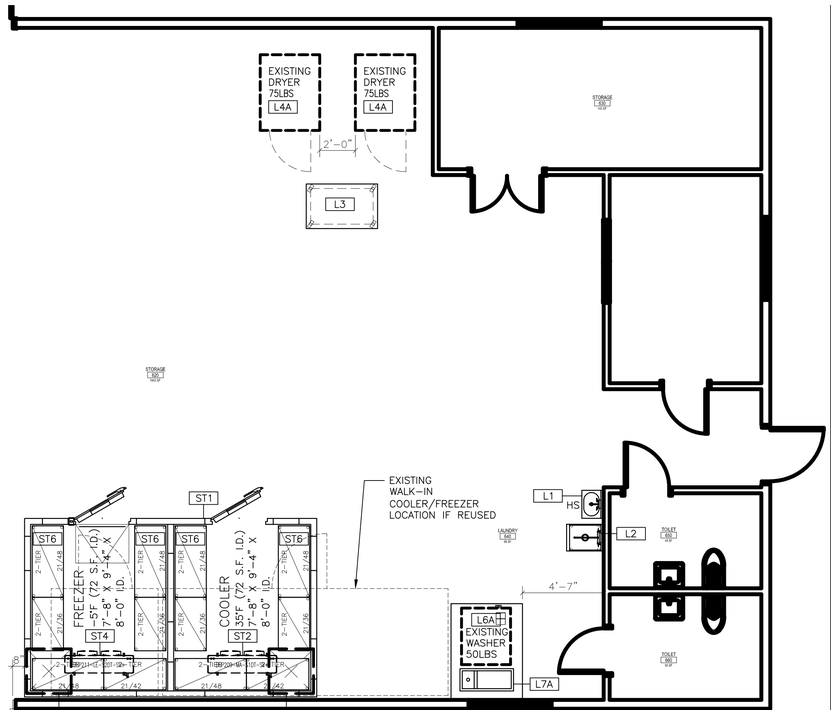


1 EQUIPMENT PLAN

Scale: 1/4" = 1'–0"

2 EQUIPMENT PLAN

Scale: 1/4" = 1'–0"



3 EQUIPMENT PLAN

Scale: 1/4" = 1'–0"

DISCLAIMER

THIS DRAWING IS PREPARED FOR THE USE OF THE DESIGN TEAM IN PREPARING THEIR RESPECTIVE DOCUMENTS; AND FOR BIDDING OF THE FOOD SERVICE EQUIPMENT. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION AND FOR ROUGHING IN OF SERVICES. DIMENSIONED ROUGHING IN DRAWINGS WILL BE PREPARED BY THE KITCHEN EQUIPMENT CONTRACTOR.

MDOC - Men's Re-Entry Center

Main Kitchen and Laundry

Food Service
S1 Food Service
231 Homewood Drive
Bolingbrook, IL 60440
630.783.9232 tel

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

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MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - EQUIPMENT PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		FS-1.0
DRAWN BY:	LS		
SMRT FILE:	FS-1.0-19176	SHEET No.	

24x36

EQUIPMENT SCHEDULE

Rev	Item No.	Qty.	Description	Manufacturer	Model No	Equipment Remarks	Equipment Size	Plumbing requirements: Water Rough-in Hot	Water Rough-in Cold	Water Rough-in AFF	Waste Rough-in Dir	Waste Rough-in Indir	Waste Rough-in AFF	Propane Gas Rough-in Size	Propane Gas Rough-in MBTU	Propane Gas Rough-in AFF	Plumbing Remarks	Electrical requirements: Load Volts	Load Phase	Load Amp	Load Kw	Load HP	Rough-in Direct	Rough-in Plug	Rough-in NEMA	Rough-in AFF	Electrical Remarks	Item No.
			STORAGE AND REFRIGERATION																									
	ST1	1	WALK-IN COOLER / FREEZER	BALLY	CUSTOM	2-COMPARTMENT												120	1	20.0			X			CLG	SEE SHOP DWG.	ST1
	ST2	1	EVAPORATOR COIL - COOLER	BALLY	BLP209MA-S1DT-SV+	SEE SHOP DRAWING						3/4"					SEE SHOP DWG.	115	1	2.0			X			CLG	SEE SHOP DWG.	ST2
	ST3	1	CONDENSER, COOLER	BALLY	BEZA007-H8-HT3DB	SEE SHOP DRAWING; AIR-COOLED												208-230	3	5.8			X			CLG	SEE SHOP DWG.	ST3
	ST4	1	EVAPORATOR COIL - FREEZER	BALLY	BLP211LE-S2DT-SV+	SEE SHOP DRAWING						3/4"					SEE SHOP DWG.	208-230	1	8.2			X			CLG	SEE SHOP DWG.	ST4
	ST5	1	CONDENSER, FREEZER	BALLY	BEZA025-L8-HT3DB	SEE SHOP DRAWING; AIR-COOLED												208-230	3	10.7			X			CLG	SEE SHOP DWG.	ST5
	ST6	12	SHELVING, WELDED	NEW AGE	TB SERIES	SIZED PER PLAN																						ST6
			SANITATION																									
	SA1	3	HAND SINK, WALL MOUNT	EAGLE GROUP	HSA-10			1/2"	1/2"	+18"	1-1/2"		+20"															SA1
	SA2	1	MOP SINK			BY PLUMBING CONTRACTOR		1/2"	1/2"	+36"	2"		-2"				VERIFY REQUIREMENTS											SA2
			MAIN KITCHEN																									
	MK1	1	REFRIGERATOR, REACH-IN (3-DOOR)	UTILITY REFRIGERATOR	R-75-SS-3S-D													115	1	19.5		1/2		X	5-20P	+80"		MK1
	MK2	1	FREEZER, REACH-IN (2-DOOR)	UTILITY REFRIGERATOR	F-50-SS-2S-D													115	1	12.8		1/2		X	5-20P	+80"		MK2
	MK3	2	WORKTABLE, MOBILE	EAGLE GROUP	CUSTOM	W/ FIXED UNDERSHELF	60"L X 30"W X 36"H																					MK3
	MK3A	1	WORKTABLE, MOBILE	EAGLE GROUP	CUSTOM	W/ FIXED UNDERSHELF	72"L X 30"W X 36"H																					MK3A
	MK4	1	SLICER	GLOBE	G12													115	1	6.0		1/2		X			PLUG TO TABLE MOUNTED FIXTURE	MK4
	MK5	1	EXHAUST HOOD	HALTON	KVE	SEE SHOP DRAWINGS												120	1	20.0			X			CLG.	SEE SHOP DWG.	MK5
	MK6	1	FIRE EXTINGUISHING SYSTEM	ANSUL	R-102	SEE SHOP DRAWINGS												120	1	20.0			X			CLG.	SEE SHOP DWG.	MK6
	MK7	1	KETTLE, ELECTRIC, TABLETOP	CLEVELAND	KET-3-T													208	1	19.7	4.1			X		+48"		MK7
	MK8	1	4-BURNER RANGE W/ CONVECTION OVEN	JADE PRODUCTS	JTRH-4-36C									3/4"	170	+30"		120	1	4.0		1/3		X	5-15P	+18"		MK8
	MK9	1	CONVECTION OVEN, DOUBLE	MONTAGUE	2-115A									(2) 3/4"	115 ea	+30"/60"		(2) 115	1	7.4		3/4		X	5-15P	+18"		MK9
	MK10	1	WORKTABLE WITH SINK	EAGLE GROUP	CUSTOM	W/ FAUCET & FIXED UNDERSHELF	108"L X 36"W X 36"H	1/2"	1/2"	SU.		1-1/2"																MK10
	MK10A	1	CAN OPENER	EDLUND	S-11																							MK10A
	MK11	1	STAND, MOBILE	EAGLE GROUP	CUSTOM	W/ FIXED UNDERSHELF	30"L X 24"W X 24"H																					MK11
	MK12	1	MIXER, 20 QT.	VARIMIXER	V20													115	1	10.9		1/2		X	5-15P		PLUG TO TABLE MOUNTED FIXTURE	MK12
	MK13	1	TOASTER, CONVEYOR	STAR	QCS1-350													120	1	13.8	1.6			X	5-15P	+48"		MK13
	MK14	1	HOT FOOD TABLE	EAGLE GROUP	SHT4-208							3/4"						208	1	13.7	2.86			X	6-20P	+18"		MK14
	MK15	1	ICE MAKER W/ BIN	MANITOWOC ICE	IYF0300A	AIR-COOLED			1/2"	+96"		1/2"					TEE CW FROM FILTER	115	1	10.8			X			+84"		MK15
	MK16	1	FILTER SYSTEM, ICE MAKER	3M PURIFICATION	ICE165-S				1/2"	+96"																		MK16
	MK17	1	WORKTABLE, MOBILE	EAGLE GROUP	CUSTOM	W/ FIXED UNDERSHELF	48"L X 30"W X 36"H			z e																		MK17
	MK18	1	BEVERAGE COUNTER, MOBILE	CAMBRO	VBRT5110																							MK18
	MK19	1	KNIFE CABINET	PERFECTION	ESC-UT-1-25																							MK19
			DISHWASHING																									
	DW1	1	DISHTABLE, SOILED	EAGLE GROUP	CUSTOM	W/ PRE-RINSE SPRAY AND SCRAPPING SINK	48"L X 30"W	1/2"	1/2"			1-1/2"																DW1
	DW2	1	DISHWASHER, SINGLE TANK	STERO	SD3	W/ BOOSTER HEATER		3/4"		+18"		1-1/2"					348 GPH; 110 DEGREE REQ.	208-240	3	45.4			X			+18"	MIN. 60.0 AMPS CIRCUIT; SINGLE POINT	DW2
	DW3	1	CONDENSATE HOOD	HALTON	CH	SEE SHOP DRAWING																						DW3
	DW4	1	DISHTABLE, CLEAN	EAGLE GROUP	CUSTOM		48"L X 30"W																					DW4
	DW5	1	3-COMPARTMENT SINK	EAGLE GROUP	CUSTOM	W/ FAUCETS	120"L X 30"W	(2) 1/2"	(2) 1/2"	+18"		1-1/2"																DW5
	DW6	1	POT AND PAN RACK	NEW AGE	1066TB																							DW6
	DW7	LOT	S/S WALL SHEATHING		CUSTOM																							DW7
			LAUNDRY																									
	L1	2	HAND SINK, WALL MOUNT - ADA	EAGLE GROUP	HSAP-14-FW			1/2"	1/2"	+18"	1-1/2"		+24"															L1
	L2	2	1-COMPARTMENT SINK	EAGLE GROUP	2118-1-16/4	W/ FAUCET	18"L X 28"W	1/2"	1/2"	+18"		1-1/2"																L2
	L3	2	FOLDING TABLE	EAGLE GROUP	T3048E	MOBILE	48"L X 30"W X 36"H																					L3
	L4	2	DRYER, STACKED	ADC LAUNDRY	AD-330	30 LB. CAPACITY; ELECTRIC			(2) 3/4"	+48"							6" DIA. @ 400 CFM	(2) 208	3	46.4			X			+36"/+60"	70.0 AMP CIRCUIT	L4
	L4A	2	DRYER (STORAGE BUILDING)	HUEBSCH	HT075LQTB1G2W01	75 LB. CAPACITY; ELECTRIC; OWNER SUPPLIED; EXISTING TO BE RELOCATED								3/4"	165	+30"	8" DIA. @ 450 CFM	120	1	13.8			X			+36"/+60"	20.0 AMP CIRCUIT	L4A
	L5	2	LINT COLLECTOR	CLEAN CYCLE	LL-8-10	NOT SHOWN ON PLAN; CONTRACTOR SUPPLIED, INSTALLED BY OTHERS			1/2"	+48"								120	1	15.0			X			+36"	INTERCONNECT TO AIR COMPRESSOR	L5
	L6	2	WASHER	WASCOMAT	WLD720	20 LB. CAPACITY		3/4"	3/4"	+48"		3"					DUMP DRAIN TO TROUGH	208-240	3	2.4			X			+36"	15.0 AMP CIRCUIT	L6
	L6A	1	WASHER (STORAGE BUILDING)	ELECTROLUX	W4250S	50 LB. CAPACITY; OWNER SUPPLIED; EXISTING TO BE RELOCATED		3/4"	3/4"	+48"		3"					DUMP DRAIN TO TROUGH	208-240	1	7.6			X			+36"	15.0 AMP CIRCUIT	L6A
	L7	1	TROUGH LINT TRAP		CUSTOM		54"L X 15"W				3"		-2"															L7
	L7A	1	TROUGH LINT TRAP		CUSTOM		36"L X 15"W				3"		-2"															L7A
			MISCELLANEOUS EQUIPMENT																									
	M1	LOT	CORNER GUARD		CUSTOM																							M1
			END OF SCHEDULE																									

Food Service
S1 Food Service
231 Homewood Drive
Bolingbrook, IL 60440
630.783.9232 tel

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
08-14-20
CURRENT ISSUE STATUS:

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MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - EQUIPMENT SCHEDULE

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		FS-1.1
DRAWN BY:	LS		
SMRT FILE:	FS-1.1-19176	SHEET No.	

24x36

ELECTRICAL SYMBOLS

$	SWITCH
$3	3 WAY SWITCH
	SINGLE OUTLET 110 V.
	DUPLEX OUTLET 110 V.
	DOUBLE DUPLEX OUTLET 110 V.
	CEILING MOUNT FIXTURE
J	JUNCTION BOX
	PHONE OUTLET
	DATA OUTLET
	POWER FEED JUMPER
	FLOURECENT LIGHT (SIZE OF FIXTURE VARIES)

REFER TO SHEET FS-1.1 FOR ELECTRICAL FOODSERVICE LOAD SCHEDULE

NOTE: E.C. TO RE-USE EXISTING UTILITIES WHERE POSSIBLE WITH NEW DESIGN

DISCLAIMER

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FIRE EXTINGUISHING SYSTEM NOTES - ELECTRIC

A. INTERCONNECT SHUNT TRIP CONTROL AND MICRO SWITCH TO SHUT OFF POWER TO EQUIPMENT UNDER THE EXHAUST HOOD.

B. INTERCONNECT MICRO SWITCH TO REMOTE NOTIFICATION LOCATION (CENTRAL ALARM, FIRE HOUSE, ETC) PER NFPA 96.

FIRE EXTINGUISHING SYSTEM NOTES - ELECTRIC

A. INTERCONNECT SHUNT TRIP CONTROL AND MICRO SWITCH TO SHUT OFF POWER TO EQUIPMENT UNDER THE EXHAUST HOOD.

B. INTERCONNECT MICRO SWITCH TO REMOTE NOTIFICATION LOCATION (CENTRAL ALARM, FIRE HOUSE, ETC) PER NFPA 96.

REFRIGERATION NOTES - ELECTRICAL

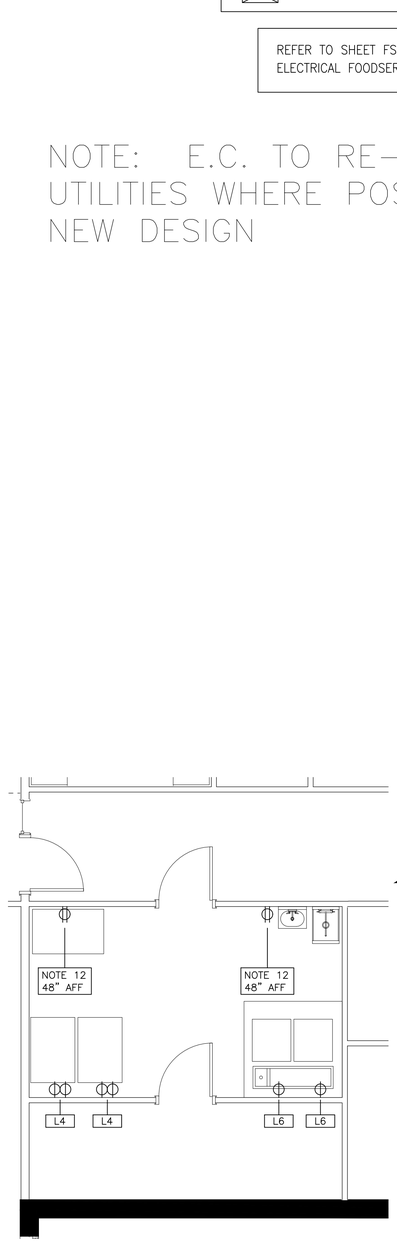
NOTE A: PROVIDE FIVE (5) #12 THHN WIRES FROM THE COMPRESSOR LOCATION TO THE EVAPORATOR COIL. (FREEZER SYSTEMS ONLY)

NOTE B: PROVIDE WIRING CONCEALED IN CONDUIT TO CONNECTION ON EVAPORATOR COIL.

ELECTRICAL NOTES

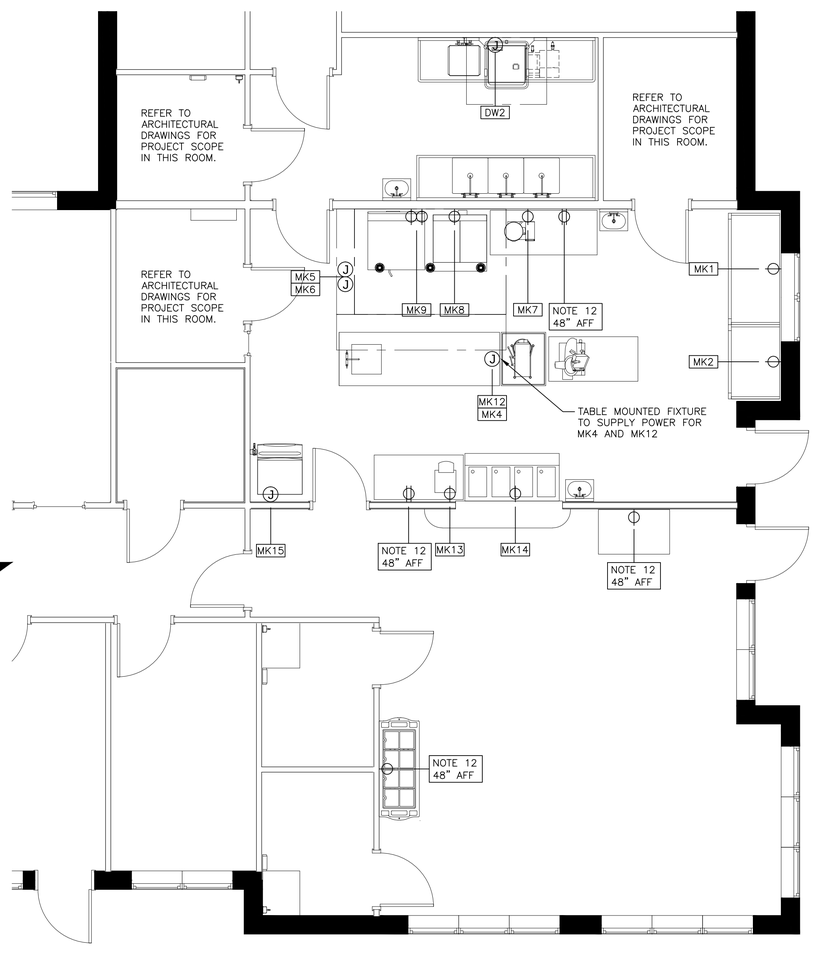
TO BE PROVIDED BY ELECTRICAL CONTRACTOR, DIVISION 26

1. DRAWING SHOWS CONNECTION POINTS ON EQUIPMENT. ROUGH-IN POINTS ARE NOT THE SAME AND ALLOWANCES SHALL BE MADE FOR DISCONNECTS, ACCESS, ETC. ALL ROUGH-INS AND CONNECTIONS SHALL BE PER APPLICABLE CODE.
2. DRAWING SHOWS REQUIREMENTS FOR FOOD SERVICE EQUIPMENT ONLY; SEE DIVISION 26 DRAWINGS FOR ADDITIONAL INFORMATION.
3. ALL CONDUITS, BOXES, ETC. SHALL BE CONCEALED WITHIN WALLS AND STUBBED OUT AS CLOSE AS POSSIBLE TO THE CONNECTION POINT. DO NOT RUN EXPOSED ON THE WALL.
4. CONDUIT EXPOSED ABOVE THE WORKING SURFACE OF THE EQUIPMENT SHALL BE STAINLESS STEEL, CHROME PLATED, OR SHROUDED IN A STAINLESS STEEL COVER.
5. ALL ELECTRICAL SERVICES UNDER A TYPE I EXHAUST HOOD MUST BE FED FROM A BREAKER PANEL WITH SHUNT TRIP PROTECTION INTERWIRED WITH THE EXTINGUISHING SYSTEM.
6. THE EXTINGUISHING SYSTEM REQUIRES AN EMPTY J-BOX AT THE EXIT FROM THE HAZARD AREA FOR INSTALLATION OF THE REMOTE PULL. REMOTE PULL TO BE FURNISHED AND INSTALLED AS PART OF THE EXTINGUISHING SYSTEM PACKAGE.
7. INTERCONNECT EXTINGUISHING SYSTEM TO SHUNT TRIP BREAKERS AND REMOTE NOTIFICATION, PER REQUIREMENTS OF NFPA 96.
8. PROVIDE FIVE (5) #12 THHN WIRES FROM THE COMPRESSOR LOCATION TO THE EVAPORATOR COIL. (FREEZER SYSTEMS ONLY)
9. NOT USED
10. NOT USED
11. PROVIDE DOUBLE DUPLEX CONVENIENCE OUTLET, 120/1, AT HEIGHT INDICATED.
12. PROVIDE DUPLEX CONVENIENCE OUTLET (DCO), 120/1, 20 AMPS AT HEIGHT INDICATED.
13. PROVIDE PENDANT RECEPTACLE, 208/3, 30 AMPS, AT 78" ABOVE THE FINISHED FLOOR.



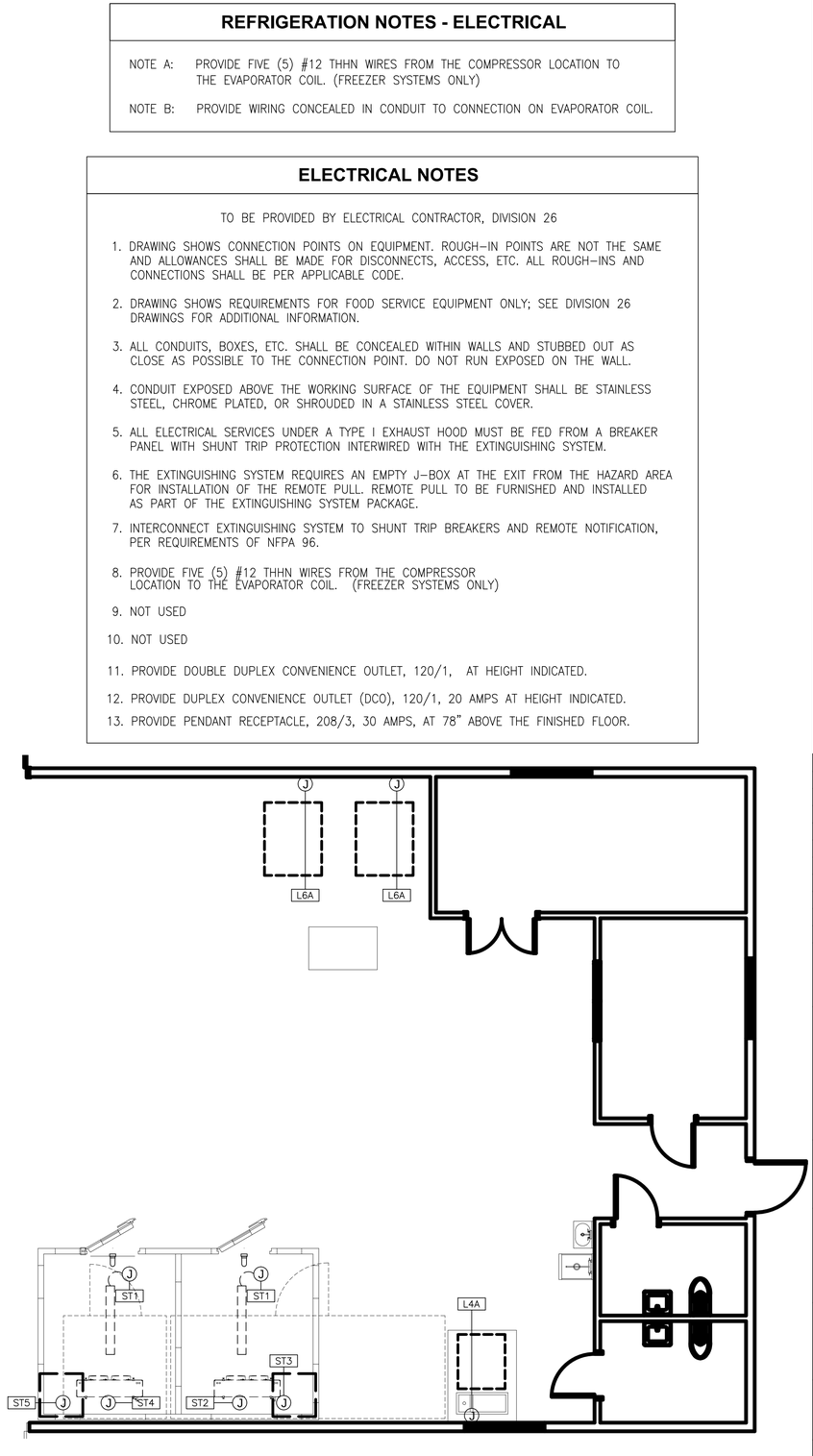
1 ELECTRICAL PLAN

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



2 ELECTRICAL PLAN

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



3 ELECTRICAL PLAN

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

S1 FOOD SERVICE CONSULTING

Food Service
S1 Food Service
231 Homewood Drive
Bolingbrook, IL 60440
630.783.9232 tel

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

SMRT Architects and Engineers
75 Washington Ave - Suite 3A
Portland, Maine 04101
1.877.700.7678
www.smrtinc.com

MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - ELECTRICAL PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER: JGJ	PROJECT NO: 19176
A/E OF RECORD: JGJ	
JOB CAPTAIN: CBM	FS-1.2
DRAWN BY: LS	
SMRT FILE: FS-1.2-19176	SHEET No.

24x36

MECHANICAL SYMBOLS

- HOT WATER
- COLD WATER
- INDIRECT WASTE
- DIRECT WASTE
- GAS CONNECTION
- COOLING WATER TOWER
- COOLING WATER TOWER RETURN
- STEAM SUPPLY
- CONDENSATE RETURN
- FLOOR SINK
- FUNNEL FLOOR DRAIN
- AREA FLOOR DRAIN
- COMPRESSED AIR
- REFRIGERATION LINE
- EXHAUST DUCT
- SUPPLY DUCT
- WATER FILTER INTERCONNECT

REFER TO SHEET FS-1.1 FOR MECHANICAL FOODSERVICE LOAD SCHEDULE

EXHAUST HOOD ROOF FANS NOT IN KITCHEN EQUIPMENT CONTRACT

DISCLAIMER

THIS DRAWING IS PREPARED FOR THE USE OF THE DESIGN TEAM IN PREPARING THEIR RESPECTIVE DOCUMENTS; AND FOR BIDDING OF THE FOOD SERVICE EQUIPMENT. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION AND FOR ROUGHING IN OF SERVICES. DIMENSIONED ROUGHING IN DRAWINGS WILL BE PREPARED BY THE KITCHEN EQUIPMENT CONTRACTOR.

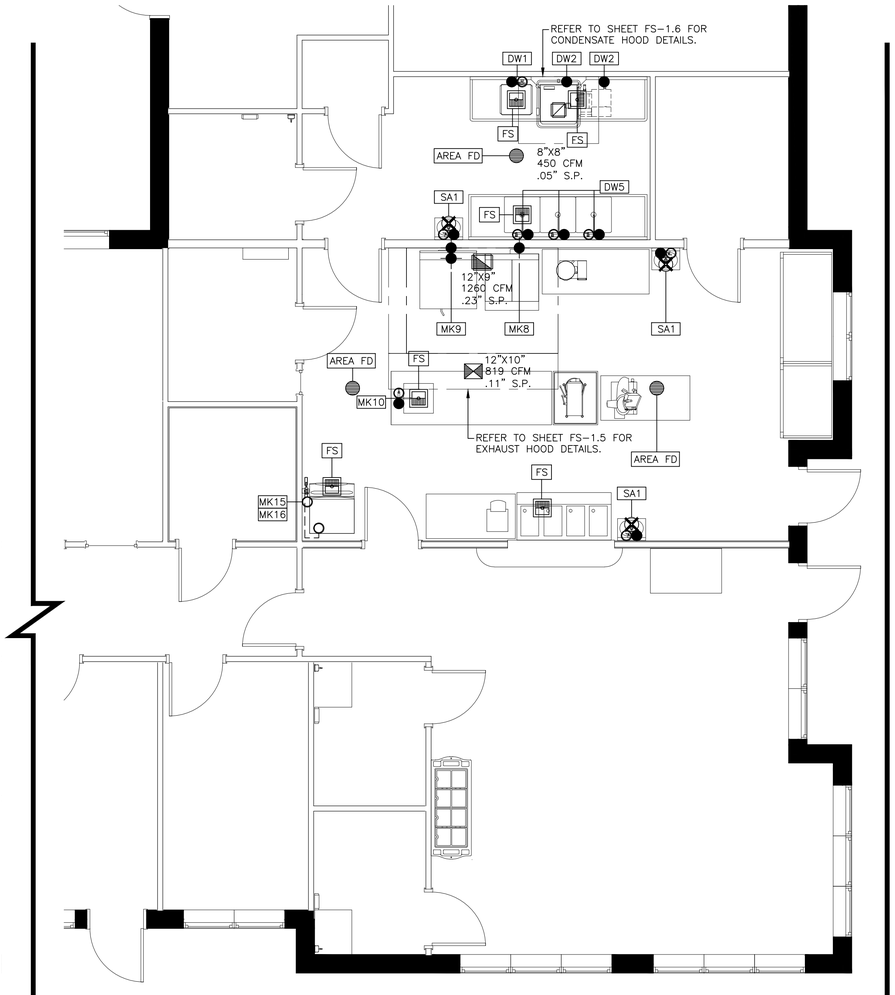
NOTE: P.C. TO RE-USE EXISTING UTILITIES WHERE POSSIBLE WITH NEW DESIGN

MECHANICAL NOTES

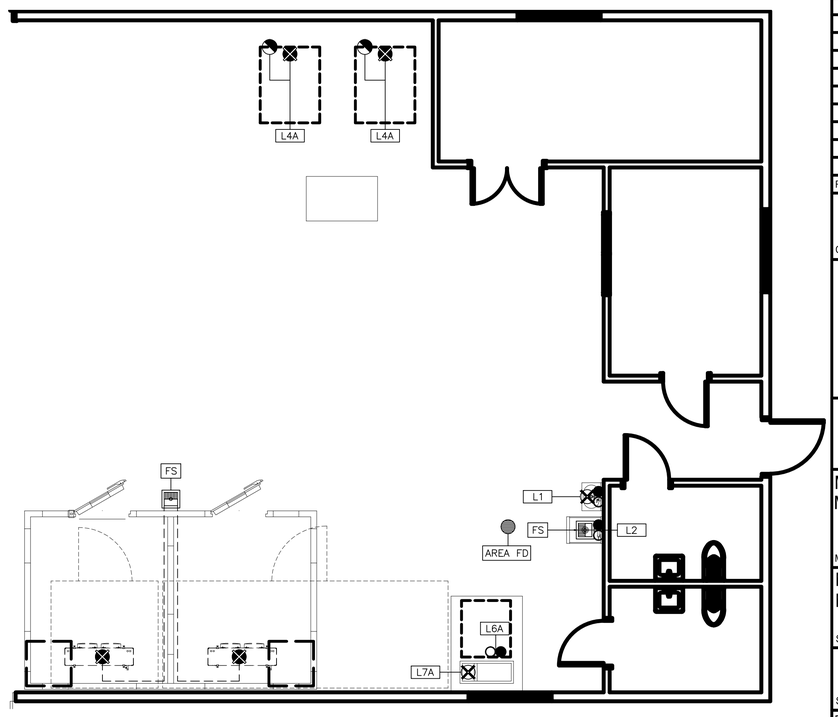
THESE NOTES APPLY TO THE WORK OF THE TRADES IN DIVISIONS 14 AND 15.

1. DRAWING SHOWS CONNECTION POINTS ON EQUIPMENT. ROUGH-IN POINTS ARE NOT THE SAME AND ALLOWANCES SHALL BE MADE FOR VALVES, STOPS, ACCESS, ETC. ALL ROUGH-INS AND CONNECTIONS SHALL BE PER APPLICABLE CODE.
2. DRAWING SHOWS REQUIREMENTS FOR FOOD SERVICE EQUIPMENT ONLY; SEE DIVISION 14 AND 15 DRAWINGS FOR ADDITIONAL INFORMATION.
3. ALL PIPE, FITTINGS, ETC. SHALL BE CONCEALED WITHIN WALLS AND STUBBED OUT AS CLOSE AS POSSIBLE TO THE CONNECTION POINT. DO NOT RUN EXPOSED ON THE WALL.
4. PIPING EXPOSED ABOVE THE WORKING SURFACE OF THE EQUIPMENT SHALL BE STAINLESS STEEL, CHROME PLATED, OR SHROUDED IN A STAINLESS STEEL COVER.
5. ALL PIPING SHALL BE AT LEAST 6" ABOVE THE FLOOR TO ALLOW FOR EASE OF CLEANING.
6. TYPE I HOODS REQUIRE WELDED DUCTWORK PER CODE.
7. TYPE II HOODS AND VENTS ABOVE DISHWASHERS AND OTHER STEAM AND VAPPOR PRODUCING EQUIPMENT SHALL BE PROVIDED WITH DUCTWORK PER APPLICABLE CODE.
8. TYPE I DUCTS SHALL BE PROVIDED WITH FIRE EXTINGUISHING PER CODE.
9. KITCHEN EQUIPMENT CONTRACTOR WILL FURNISH MECHANICAL OR ELECTRICAL SOLENOID GAS VALVES LOOSE FOR FIELD INSTALLATION.
10. WE RECOMMEND CENTRAL GREASE TRAPS EXTERNAL OF THE BUILDING OR FOOD SERVICE SPACE. IF THIS IS NOT POSSIBLE, THEN RECESSED, POINT-OF-USE GREASE TRAPS ARE PERMITTED; COORDINATE LOCATION WIT KITCHEN DESIGNER.
11. REFRIGERATED EQUIPMENT IS DESIGNED FOR OPERATION IN AN AMBIENT TEMPERATURE NOT EXCEEDING 100 DEGREES FAHRENHEIT. AIR COOLED EQUIPMENT REQUIRES VENTILATION AT 1,000 CFM PER HORSEPOWER; WATER-COOLED EQUIPMENT REQUIRES COOLING WATER AT 70 DEGREES FAHRENHEIT AT THE RATE OF 1.5 GPM PER HORSEPOWER.
12. SOME EQUIPMENT MAY REQUIRE COMPRESSED AIR. INTERCONNECT FROM THE AIR COMPRESSOSR TO THIS EQUIPMENT.
13. AREA FLOOR DRAINS ARE SHOWN IN SUGGESTED LOCATIONS. PLUMBING CONTRACTORS WILL NEED TO DETERMINE LOCATIONS PER LOCAL CODES.

1 MECHANICAL PLAN
Scale: 1/4" = 1'-0"



2 MECHANICAL PLAN
Scale: 1/4" = 1'-0"



3 MECHANICAL PLAN
Scale: 1/4" = 1'-0"

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S1 Food Service
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630.783.9232 tel

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1.877.700.7678
www.smrtinc.com
Architecture • Engineering • Planning

MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - MECHANICAL PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	LS		
SMRT FILE:	FS-1.3-19176	SHEET No.	FS-1.3

24x36

DISCLAIMER

THIS DRAWING IS PREPARED FOR THE USE OF THE DESIGN TEAM IN PREPARING THEIR RESPECTIVE DOCUMENTS; AND FOR BIDDING OF THE FOOD SERVICE EQUIPMENT. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION AND FOR ROUGHING IN OF SERVICES. DIMENSIONED ROUGHING IN DRAWINGS WILL BE PREPARED BY THE KITCHEN EQUIPMENT CONTRACTOR.

SPECIAL CONDITIONS NOTES

A. REINFORCE WALLS AND CEILING AS REQUIRED TO SUPPORT EQUIPMENT (DOES NOT APPLY TO MASONRY WALLS).

B. DEPRESS AND INSULATE SLAB AT WALKIN COOLERS

C. DEPRESS AND/OR BLOCK OUT SLAB FOR TROUGH DRAINS. SLOPE THE FLOOR 1/8" = 1'-0" TO EDGE OF TROUGH FROM 3'-0" FROM EDGE IN ALL DIRECTIONS.

D. PITCH FLOOR TO FLOOR DRAIN MINIMUM 1/8" PER FOOT.

E. NOT USED

F. NOT USED

G. NOT USED

H. NOT USED

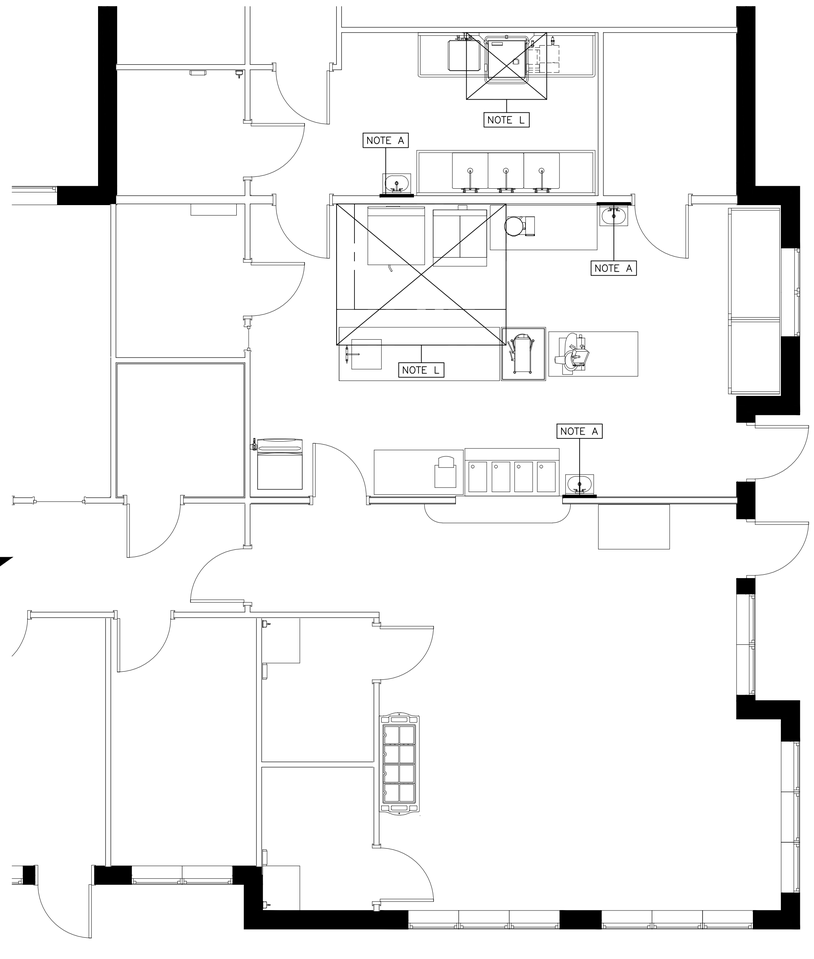
I. PROVIDE REMOVABLE LOUVERED PANELS TO ALLOW FOR ADEQUATE VENTILATION OF EQUIPMENT.

J. NOT USED

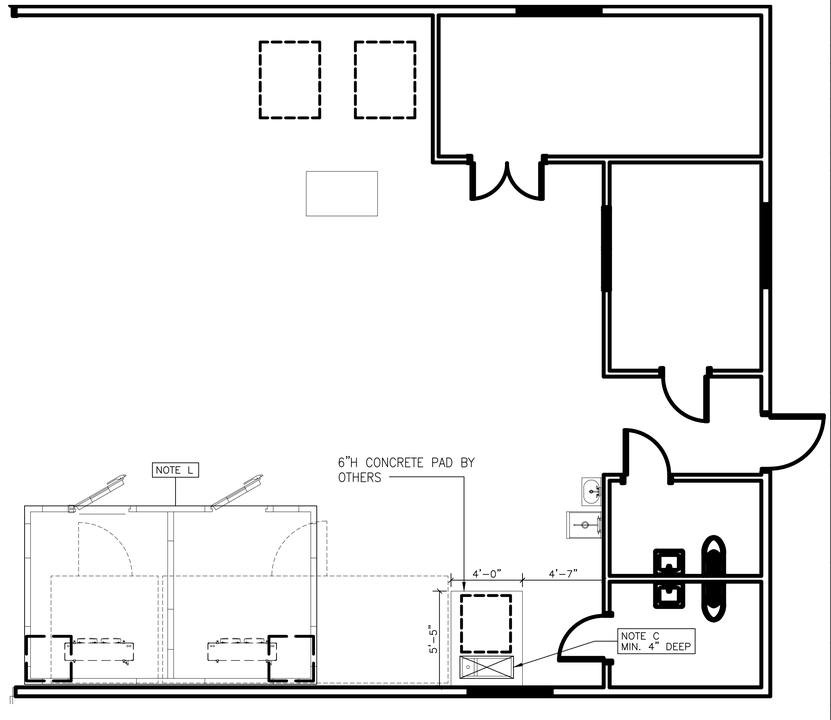
K. OMIT FINISHED FLOOR BELOW WALKIN.

L. OMIT FINISHED CEILING AT EXHAUST HOODS AND OVER WALKINS.

1 SPECIAL CONDITIONS PLAN
Scale: 1/4" = 1'-0"



2 SPECIAL CONDITIONS PLAN
Scale: 1/4" = 1'-0"



3 SPECIAL CONDITIONS PLAN
Scale: 1/4" = 1'-0"

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630.783.9232 tel

REV	DESCRIPTION	DATE

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MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER -
SPECIAL CONDITIONS PLAN

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		
DRAWN BY:	LS		
SMRT FILE:	FS-1.4-19176	SHEET No.	FS-1.4

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	T.A.B. PORT STATIC PRESSURE	TOTAL HOOD STATIC PRESSURE	EXHAUST COLLAR QTY.	EXHAUST COLLAR LENGTH	EXHAUST COLLAR WIDTH	GREASE EXTRACTOR QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)	SUPPLY AIR REQUIREMENTS: SUPPLY CFM	SUPPLY STATIC PRESSURE	SUPPLY COLLAR QTY.	SUPPLY COLLAR LENGTH	SUPPLY COLLAR WIDTH	PLENUM WEIGHT (LBS)
MK5	KVE	1260	0.13"	0.23"	1	12"	9"	5	20"	13"	KSA	ALL 18 GA. 304 S.S.	801	819	0.11"	1	12"	10"	170
								-	11"	13"									
TOTAL EXH. CFM =		1260										TOTAL SUPPLY CFM =		819					

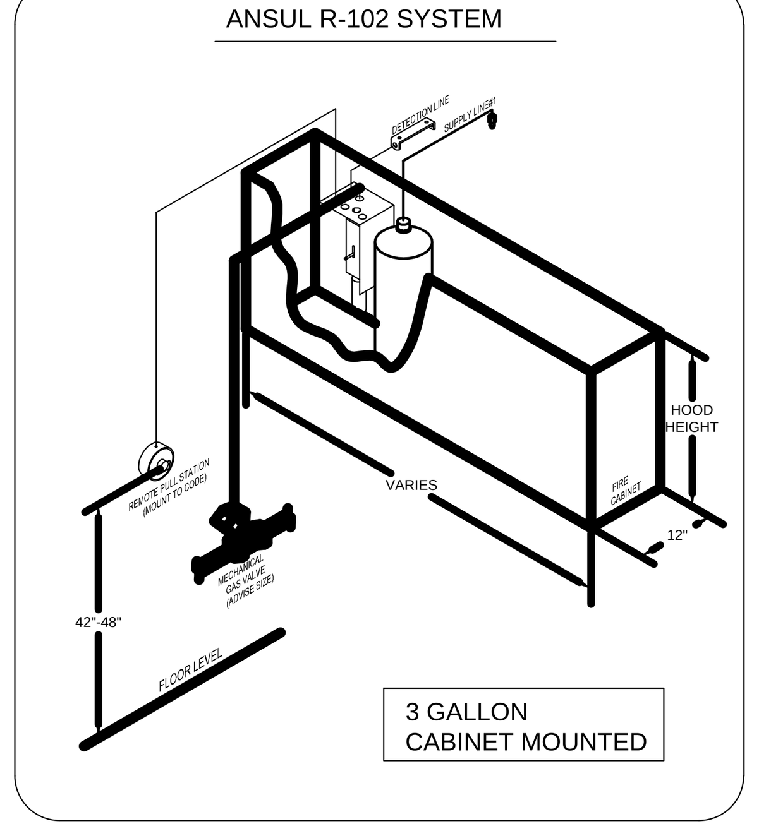
ELECTRICAL CONNECTION SCHEDULE

CONNECTION #	CONNECTION DESCRIPTION	FROM	TO
E1-H	120V, 15AMP - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD MK5

NOTE

THE HOOD SHOWN ON THIS DRAWING IS DESIGNED AS THOUGH A SINGLE EXHAUST FAN WILL BE USED FOR HOOD MK5. ONE TIMER PANEL IS REQUIRED PER EXHAUST FAN. IT IS THE RESPONSIBILITY OF THE F.S.E.C. TO INFORM HALTON OF THE NUMBER OF EXHAUST FANS BEING UTILIZED ON THIS PROJECT.

FS MK6

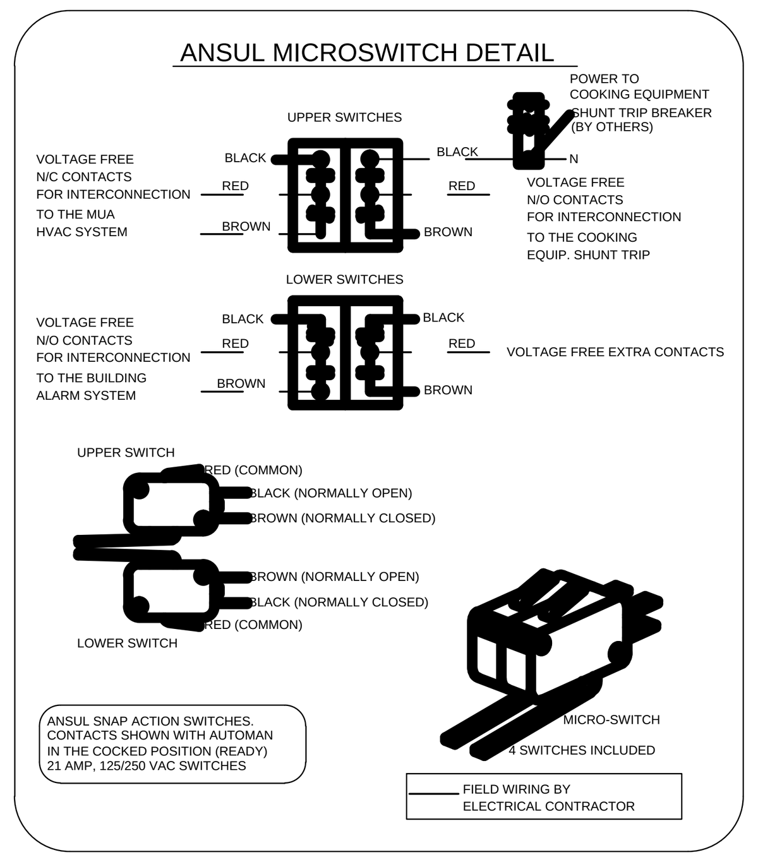


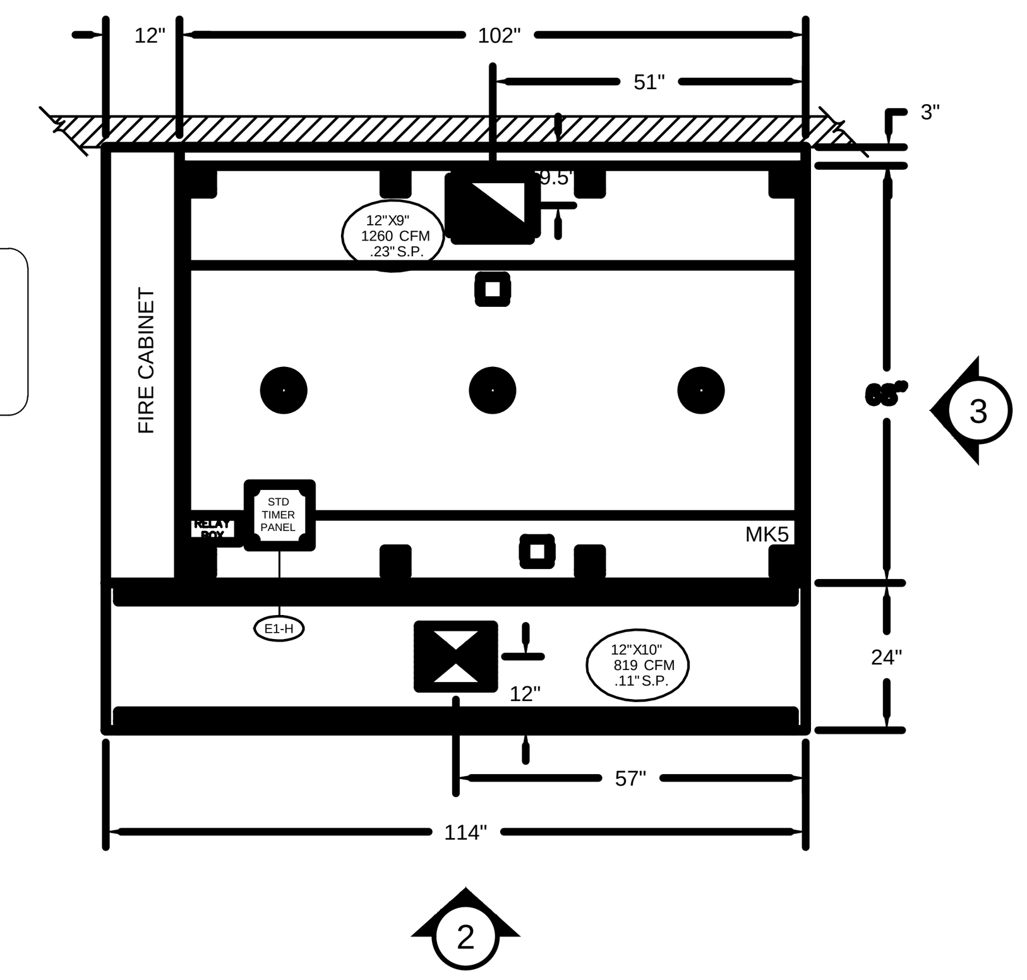
FS MK6

ANSUL R-102 SYSTEM

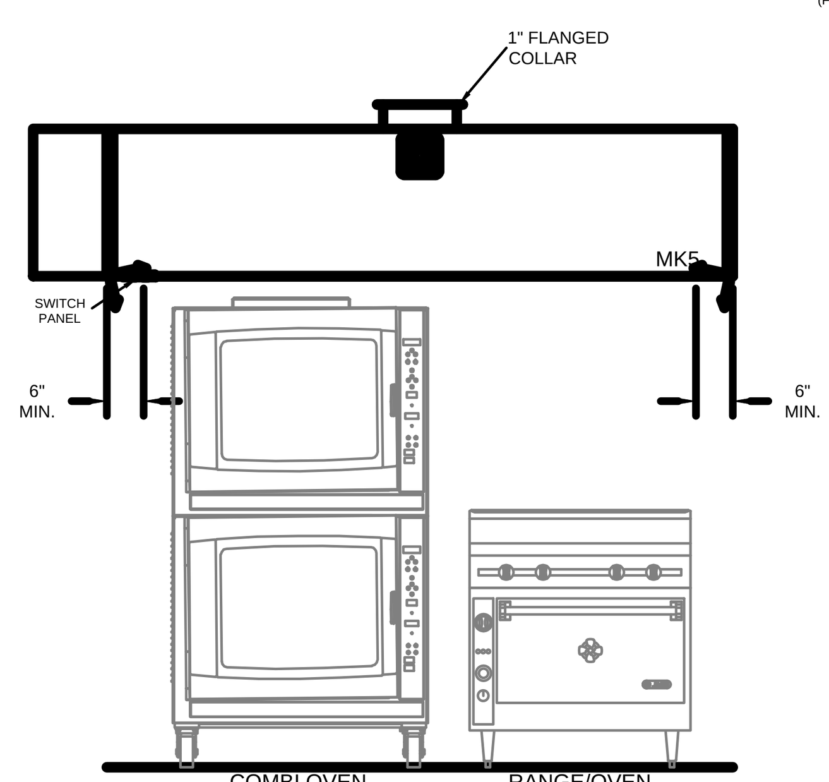
MOUNTED IN FIRE CABINET:

(1) OEM REGULATED RELEASE
(1) 3 GALLON TANK





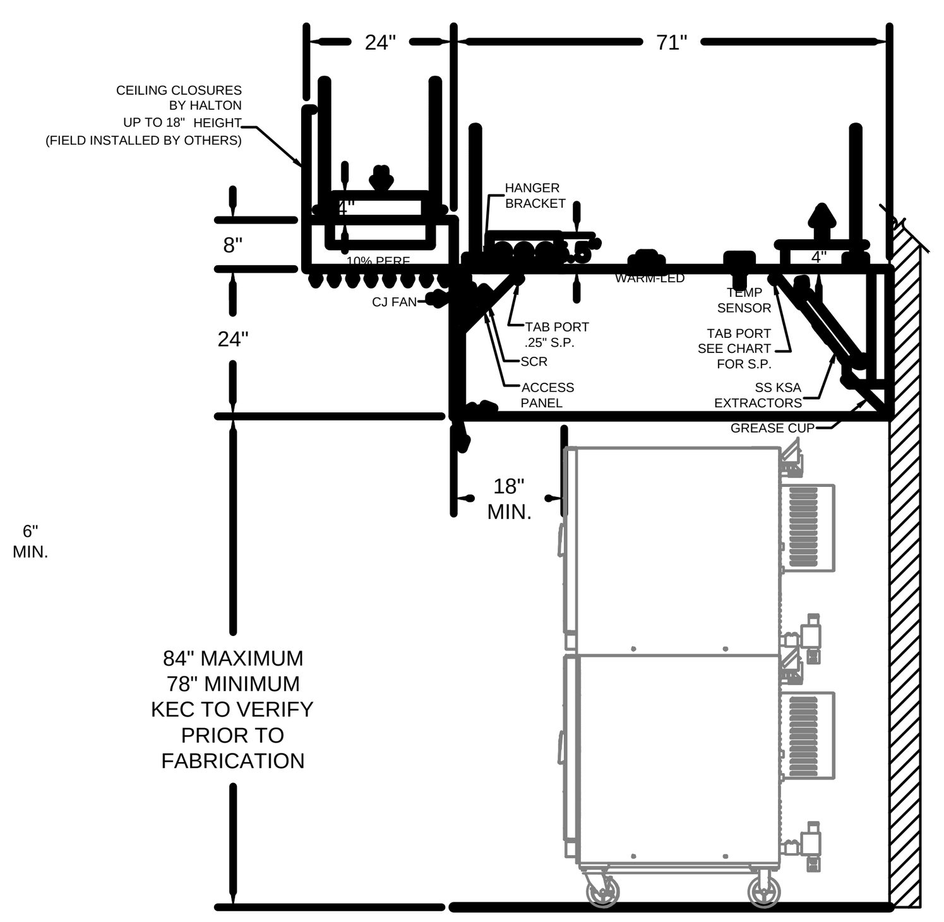
1 ITEM # MK5 PLAN VIEW



84" MAXIMUM
78" MINIMUM
KEC TO VERIFY
PRIOR TO
FABRICATION

2 ITEM # MK5 ELEVATION VIEW

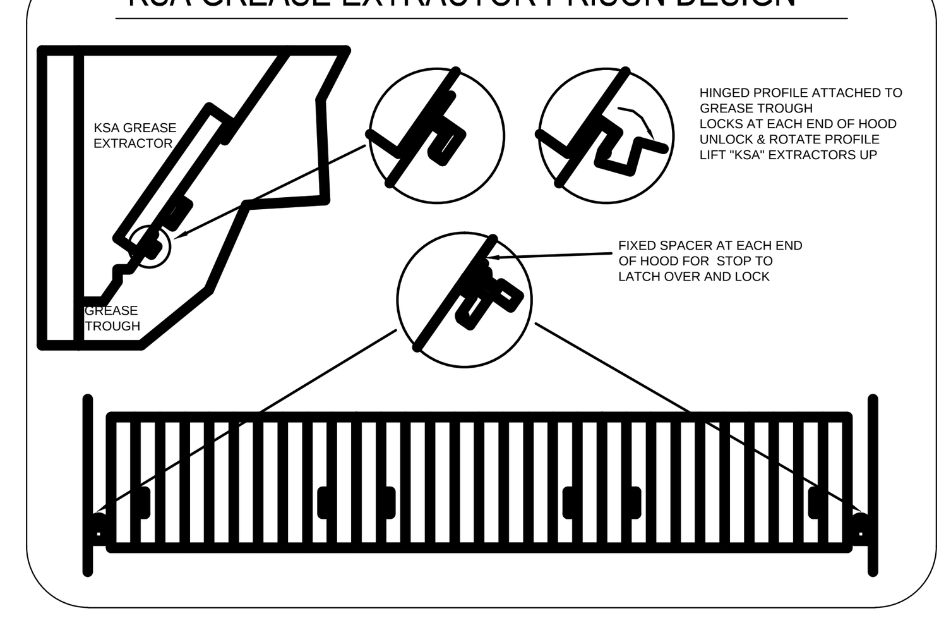
NOTE
T-STAT IS FACTORY PRE-SET FOR 95 DEGREES, IF SPACE CONDITIONS EXCEED 95 DEGREES WITHOUT COOKING TAKING PLACE, THEN A FIELD ADJUSTMENT OF THE T-STAT WILL BE REQUIRED BY PERSONNEL OTHER THAN HALTON. T-STAT IS A SAFETY INTERLOCK ONLY. IT IS NOT INTENDED AS A PRIMARY MEANS OF ENGAGING THE EXHAUST FAN.



3 ITEM # MK5 SECTION VIEW

1) ANSUL R-102 FIRE SYSTEM
2) ONE TANK SYSTEM (3 GALLON)
3) 3/8" BLACK IRON PIPING (CONCEALED)
3/8" S.S. APPLIANCE DROPS (EXPOSED)
4) MECHANICAL GAS VALVE = (ADVISE SIZE)

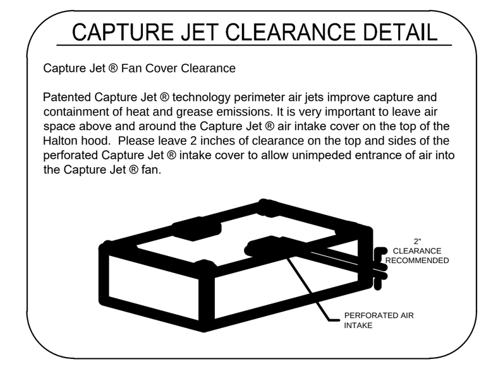
KSA GREASE EXTRACTOR PRISON DESIGN



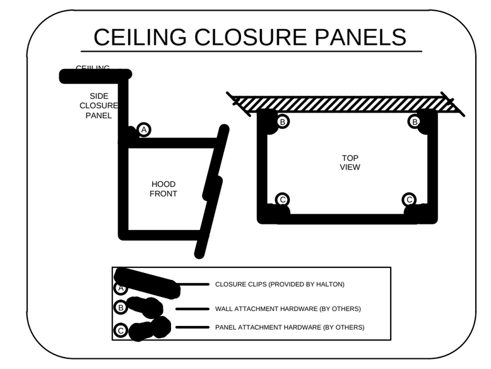
NOTE - PRISON PACKAGE

- SPECIAL LOCKING KSA GREASE EXTRACTORS
- TAMPER PROOF SCREWS IN LIGHT FIXTURES, ANSUL COMPONENTS, & ANY OTHER EXPOSED SCREWS.
- SECURE GREASE CUPS
- HOOD MUST BE MARKED WITH LABEL STATING "INTENDED FOR USE ONLY IN ENVIRONMENTS WHERE SECURITY IS A CONCERN"

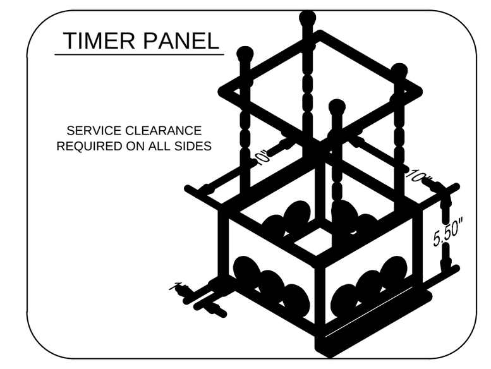
CAPTURE JET CLEARANCE DETAIL



CEILING CLOSURE PANELS



TIMER PANEL



GENERAL SPECIFICATIONS

1- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96 AND UL 710 STANDARD.

2- HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001

3- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.

4- THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.

5- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.

6- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.

7- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.

2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.

3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.

4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.

5- IF HALTON MANUAL EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.

6- IF HALTON MODEL KVL BACKSHELF STYLE HOODS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE-JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE
40 WATT MAX BULB= .67 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE
150 WATT MAX BULB= 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE
100 WATT MAX BULB= .83 AMP EA.

LED LIGHT FIXTURES= .30 AMP EA.

CAPTURE JET FAN= .72 AMP EA

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

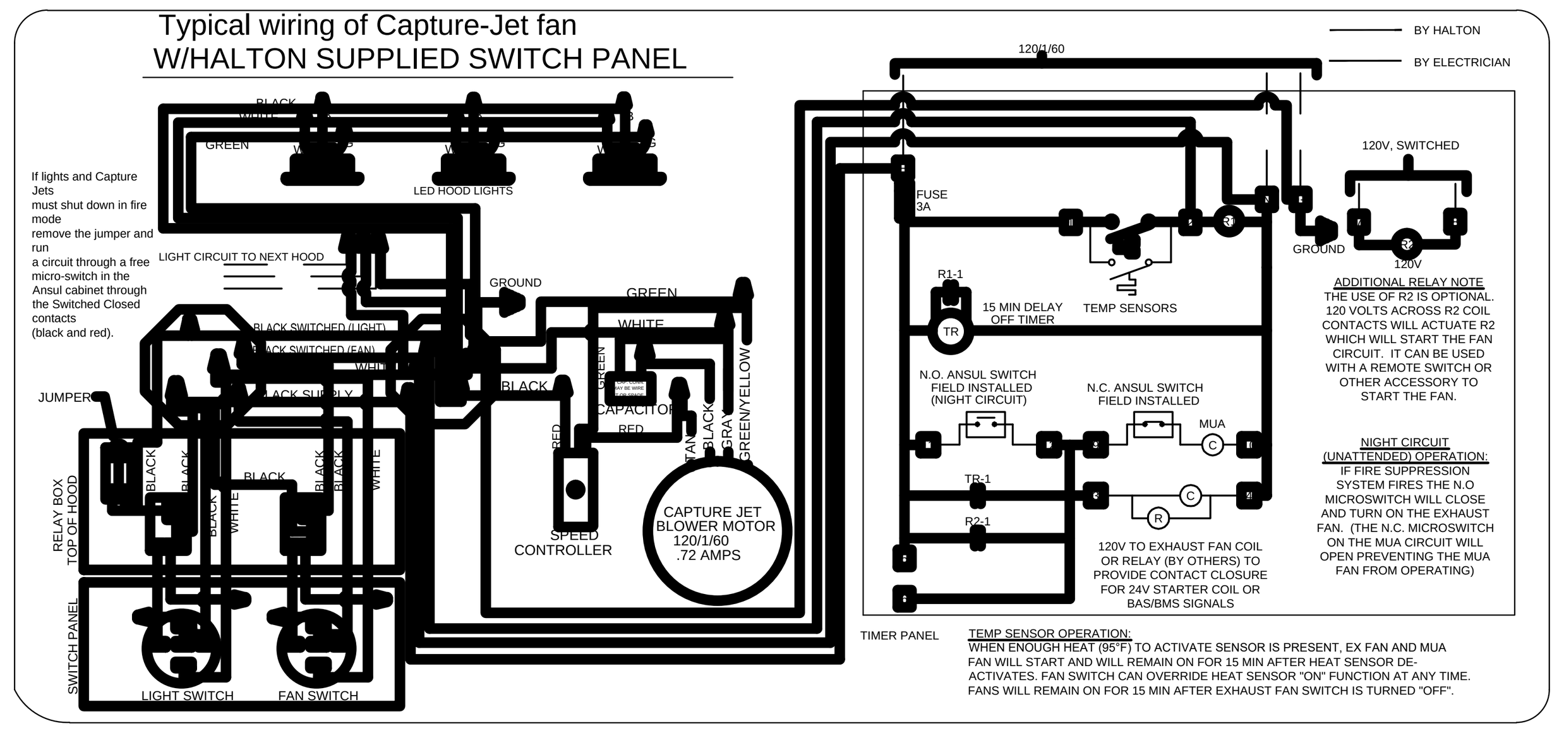
LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

CEILING HEIGHT NOTE

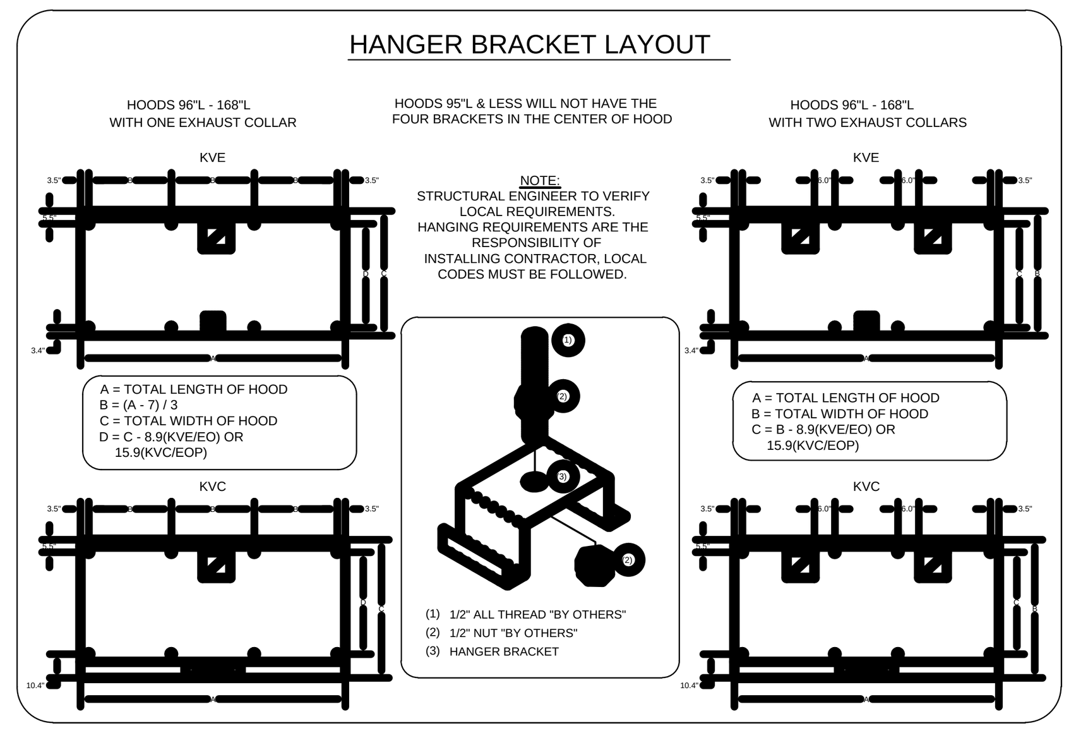
IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: ____________

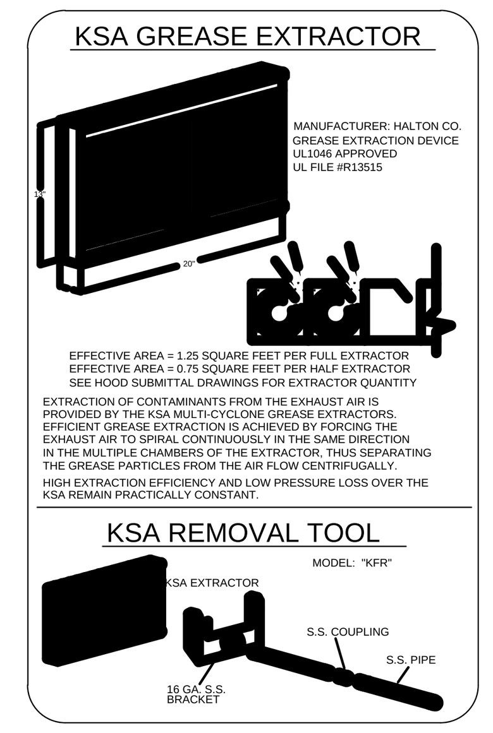
Typical wiring of Capture-Jet fan W/HALTON SUPPLIED SWITCH PANEL



HANGER BRACKET LAYOUT



KSA GREASE EXTRACTOR



PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT BENEATH THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE "TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT." DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

HALTON CO. (CANADA)
1021 BREVIK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSVILLE, KY 42164
1-270-237-5600

WEBSITE: www.halton.com

REV.	REVISION DESCRIPTION	BY	DATE

PROJECT: MDOC MEN'S RE-ENTRY CENTER
LOCATION: MACHIASPORT, ME
DRAWN BY: SKM DATE: 07.09.20
SCALE: NOT TO SCALE
CONSULTANT: S1

Halton

DRAWING TITLE: HOOD DETAILS
DRAWING No.: U20-582
REV. NO.: 0 SHEET NO.: 1 of 2

Food Service
S1 Food Service
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Bolingbrook, IL 60440
630.783.9232 tel

REV	DESCRIPTION	DATE

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MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - EXHAUST HOOD SHOP DRAWING

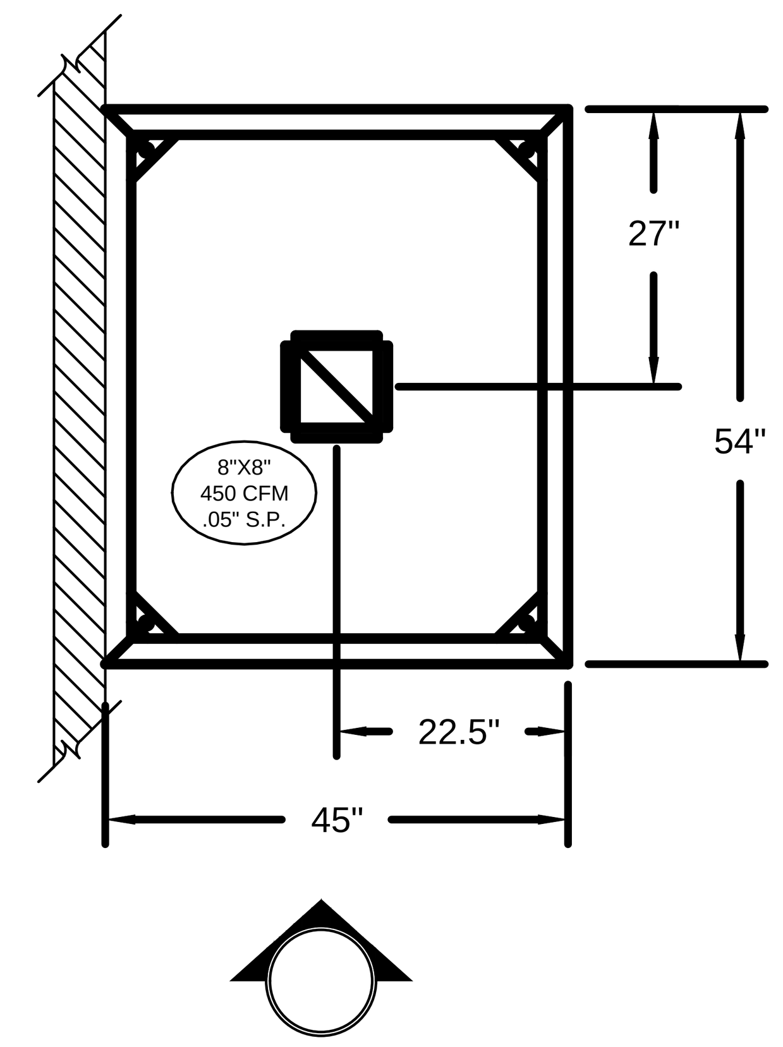
SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM		FS-1.5
DRAWN BY:	LS		
SMRT FILE:	FS-1.5-19176	SHEET No.	

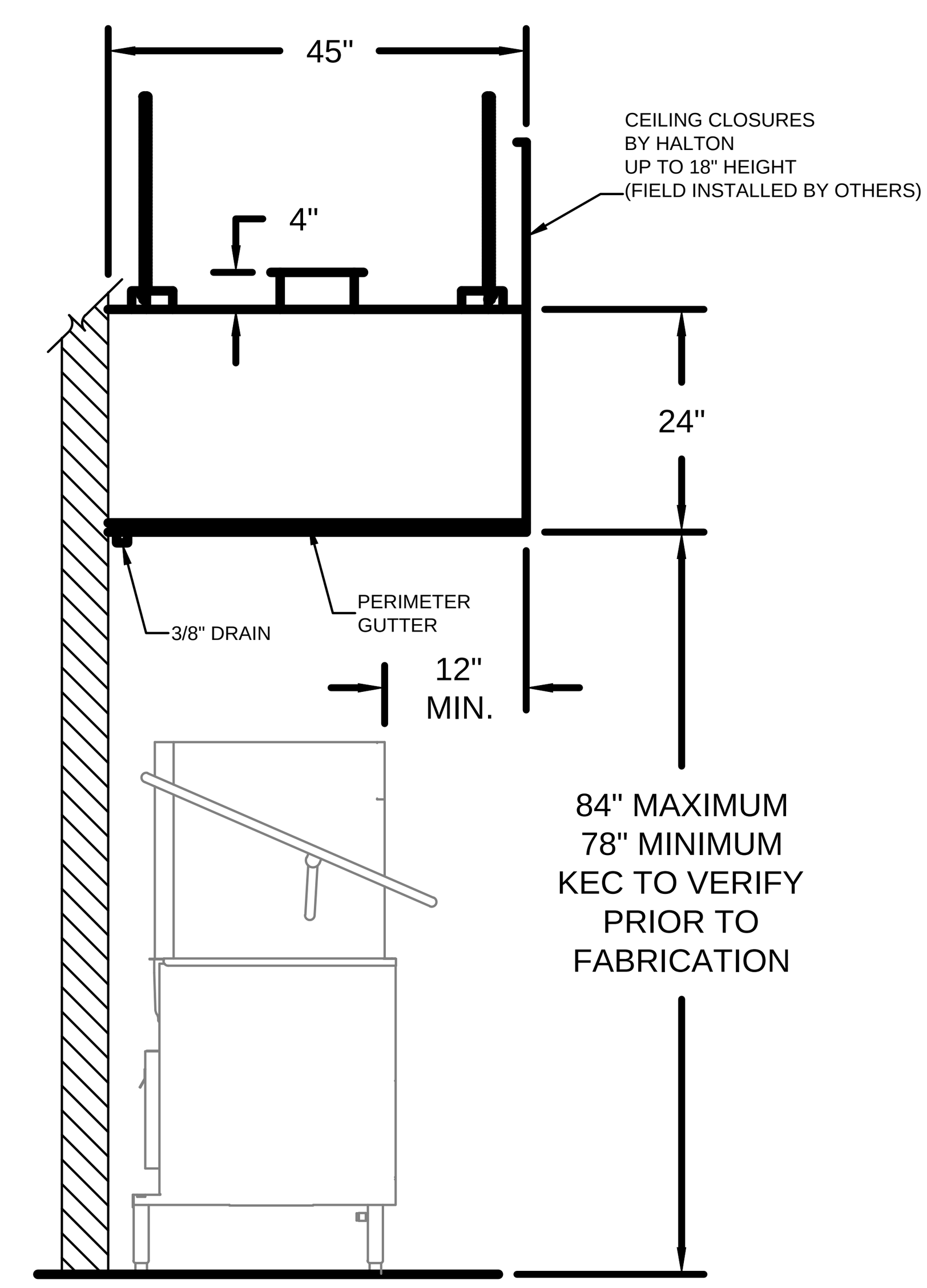
HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS						GREASE EXTRACTOR				HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
		EXHAUST CFM	T.A.B. PORT STATIC PRESSURE	TOTAL HOOD STATIC PRESSURE	EXHAUST COLLAR			QTY.	SIZE		TYPE		
					QTY.	LENGTH	WIDTH		L	H			
DW3	CH	450		0.05"	1	8"	8"					ALL 18 GA. 304 S.S.	202
TOTAL EXH. CFM =		450											



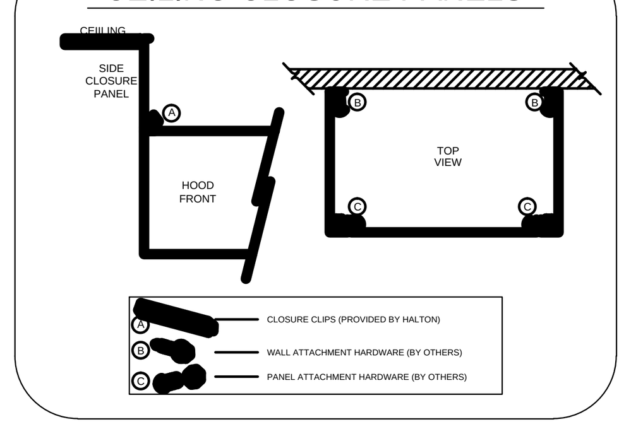
1 ITEM # DW3
PLAN VIEW

CONTINUOUS WELDED CORNERS



2 ITEM # DW3
ELEVATION VIEW

CEILING CLOSURE PANELS



GENERAL SPECIFICATIONS

1- HOOD IS NSF LISTED.

2- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.

3- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.

4- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.

5- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.

2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.

3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.

4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.

5- IF HALTON EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE
40 WATT MAX BULB= .67 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE
150 WATT MAX BULB= 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE
100 WATT MAX BULB= .83 AMP EA.

LED LIGHT FIXTURES= .30 AMP EA.

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: ____________

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

☐ REVISE AND RESUBMIT
APPROVED FOR FABRICATION:
☐ WITH NO CHANGES
☐ WITH CHANGES AS NOTED

APPROVED BY

DATE

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

☐ HALTON CO. (CANADA)
1021 BREVIK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

☒ HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSVILLE, KY 42164
1-270-237-5600

WEBSITE: www.halton.com

REV.	REVISION DESCRIPTION	BY	DATE

PROJECT: MDOC MEN'S RE-ENTRY CENTER
LOCATION: MACHIASPORT, ME
DRAWN BY: SKM DATE: 07.09.20
SCALE: NOT TO SCALE
CONSULTANT: S1

Halton

DRAWING TITLE: HOOD DETAILS

DRAWING No.: U20-582

REV. NO.: 0 SHEET NO.: 2 of 2

Food Service
S1 Food Service
231 Homewood Drive
Bolingbrook, IL 60440
630.783.9232 tel

REV	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

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MDOC - DCF
MEN'S REENTRY BUILDING

MACHIASPORT, MAINE

MEN'S REENTRY CENTER -
EXHAUST HOOD SHOP DRAWING

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	JGJ		
JOB CAPTAIN:	CBM	FS-1.6	
DRAWN BY:	LS		
SMRT FILE:	FS-1.6-19176	SHEET No.	

24x36

PIPING SYMBOLS

- UNION
- FLANGE
- GROOVED COUPLING
- PIPE ANCHOR
- PIPE GUIDE OR SLEEVE
- PIPE ELBOW TURNED DOWN
- PIPE ELBOW TURNED UP
- PIPING TEE-DOWN
- PIPING TEE-UP
- PIPE RISER
- CLEANOUT
- PIPE PITCHES DOWN
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE (MANUAL)
- CHECK VALVE
- GLOBE VALVE
- BACKFLOW PREVENTER
- PRESSURE RELIEF VALVE
- STRAINER
- STRAINER W/ BLOWDOWN
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- TS — VALVE WITH TAMPER SWITCH
- PG — PRESSURE GAUGE AND COCK
- HOSE END DRAIN VALVE WITH CAP
- CONCENTRIC REDUCER/INCREASER
- ECCENTRIC REDUCER/INCREASER
- DIRECTION OF FLOW

- SIAMESE FIRE DEPARTMENT CONNECTION
- S — STORZ FIRE DEPARTMENT CONNECTION
- WATER MOTOR GONG
- E — ELECTRIC BELL
- FIRE PUMP TEST HEADER
- FREE-STANDING FIRE PUMP TEST HEADER
- FIRE DEPARTMENT VALVE
- FIRE DEPARTMENT VALVE CABINET
- FHC — FIRE HOSE CABINET
- FHCC — COMBINATION FIRE HOSE/VALVE CABINET
- FLOOR CONTROL VALVE ASSEMBLY
- ALARM CHECK VALVE
- PENDENT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- EC — UPRIGHT SPRINKLER HEAD - EXTENDED COVERAGE
- CONCEALED SPRINKLER HEAD
- RECESSED SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- EC — SIDEWALL SPRINKLER HEAD - EXTENDED COVERAGE
- DS — DRY SIDEWALL SPRINKLER HEAD
- W — VERTICAL PENDENT SIDEWALL WINDOW SPRINKLER HEAD
- DP — DRY PENDENT SPRINKLER HEAD
- 1234 — HYDRAULIC REFERENCE POINT
- HYDRANT

PIPING SYSTEMS

- CA — CLEAN AGENT
- D — DRY PIPE SPRINKLER
- DR — DRAIN
- F — FIRE SERVICE
- FP — COMBINATION FIRE PROTECTION
- G — DELUGE SPRINKLER
- PA — PRE-ACTION SPRINKLER
- SPK (X) — WET-PIPE SPRINKLER (ZONE X)
- SP — STAND PIPE

ABBREVIATIONS

AD	ACCESS DOOR
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOP	BOTTOM OF PIPE
CA	CLEAN AGENT
CFF	CAPPED FOR FUTURE
CLG	CEILING
CONT	CONTINUATION
COORD	COORDINATION
CTE	CONNECT TO EXISTING
CU	COPPER
CW	COLD WATER
DACV	DRY PIPE ALARM CHECK VALVE
DIA	DIAMETER
DIC	DOWN IN CHASE
DIW	DOWN IN WALL
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DN	DOWN
DR	DRAIN
DS	DOWNSPOUT
DT	DROP AND TRANSITION
DWG	DRAWING
ENC	ENCLOSURE
(E)	EXISTING
EXIST.	EXISTING
FBO	FURNISHED BY OWNER
FC	FLEXIBLE CONNECTION
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FDVC	FIRE DEPARTMENT VALVE CABINET
FEX	FIRE EXTINGUISHER
FH	FIRE HOSE
FHC	FIRE HOSE CABINET
FM	FACTORY MUTUAL
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
I.T.S.	INSPECTOR'S TEST STATION
LFPC	LIMIT OF FIRE PROTECTION CONTRACT
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NTS	NOT TO SCALE
PACV	PRE-ACTION ALARM CHECK VALVE
PC	(FIRE DEPARTMENT) PUMPER CONNECTION
PIV	POST INDICATING VALVE
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
(R)	REMOVE
(REL.)	RELOCATED
RM	ROOM
RPZ	REDUCED PRESSURE ZONE BFP
RV	RELIEF VALVE
SACV	(WET PIPE) SPRINKLER ALARM CHECK VALVE
SD	SMOKE DETECTOR
SP	STAND PIPE
SPK	SPRINKLER
TH	(FIRE DEPARTMENT) TEST HEADER
TOP	TOP OF PIPE
TS	TAMPERS SWITCH
TTS	TIGHT TO STEEL
TYP	TYPICAL
UIC	UP IN CHASE
UIW	UP IN WALL
UL	UNDERWRITER'S LABORATORY
VCFF	VALVED AND CAPPED FOR FUTURE
W/	WITH
WIV	WALL INDICATING VALVE
WMG	WATER MOTOR GONG

FIRE PROTECTION GENERAL NOTES:

1. ALL SPRINKLER GENERAL NOTES, SYMBOLS LISTS & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL SPRINKLER DRAWINGS FOR THIS PROJECT.
2. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEMS. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
3. IF REQUIRED THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
4. COORDINATE REMOVALS AND RELOCATIONS INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL CONTRACTORS.
5. MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE PENETRATIONS TO BE SEALED, SEE ARCHITECTURAL DRAWINGS FOR PARTITION HEIGHTS. UTILITIES SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.
6. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT CONDITION.
7. FIRE PROTECTION SYSTEM AS SHOWN IS DIAGRAMMATIC AND FOR REFERENCE. CONTRACTOR MAY ALTER PIPING AND HEAD LOCATION WITH APPROVAL OF OWNER.
8. FIRE PROTECTION CONTRACTOR SHALL ENSURE PROPOSED FIRE PROTECTION SYSTEM DESIGN MEETS ALL REQUIREMENTS OF NFPA-13 AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
9. SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED BY SPRINKLER CONTRACTOR TO PROVIDE MINIMUM FLOW RATES AT HYDRAULICALLY MOST REMOTE AREA AS REQUIRED BY OWNER'S INSURANCE UNDERWRITER AND OWNER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A HYDRANT FLOW TEST TO OBTAIN CURRENT FLOW DATA FOR THEIR USE IN THE DESIGN. PROVIDE COPIES OF TEST RESULTS TO THE OWNER AND ENGINEER.
11. SPRINKLER CRITERIA:
    A. WET SYSTEM PER NFPA-13.
    B. NFPA-101 LIFE SAFETY CODE.
    C. INTERNATIONAL BUILDING CODE.
12. REFER TO PERFORMANCE SPECIFICATIONS.
13. TAMPER SWITCHES ON SHUT-OFF VALVES SHALL REPORT 'TROUBLE' SIGNAL TO FIRE ALARM PANEL.
14. INSPECTION/TEST DRAIN ASSEMBLES SHALL BE PIPED TO GRADE. COORDINATE LOCATIONS WITH THE ARCHITECT.
15. ALL PIPE PENETRATIONS THRU FIRE RATED FLOOR/CEILING ASSEMBLIES SHALL BE FIRE PROOFED BY THE SPRINKLER CONTRACTOR AS REQUIRED TO MEET RATING.
16. DO NOT ORDER SPRINKLER HEADS UNTIL APPROVAL IS RECEIVED FROM ARCHITECT FOR ALL AREAS AND APPLICATIONS. REFER TO ARCHITECTURAL PLANS, DETAILS, AND SPECIFICATIONS FOR COMPLETE BUILDING DEFINITION.
17. MANUFACTURERS NAME & MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY & ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED.
18. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
19. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SPRINKLER SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURERS LITERATURE.
20. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS. ANCHORS & GUIDES AS NECESSARY TO PREVENT UNDUE STRAIN ON PIPING.
21. PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
22. SEE DETAILS, PIPING DIAGRAMS AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL VALVES & FITTINGS NECESSARY FOR COMPLETE PIPING SYSTEM.
23. SPRINKLER CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES. SPRINKLER CONTRACTOR SHALL SUBMIT A COORDINATION DRAWING WITH PIPING ELEVATIONS SHOWN TO PREVENT CONSTRUCTION AND OPERATING INTERFERENCE.
24. INFILL ALL NEW FLOOR SLAB PENETRATIONS WITH GROUT, FILL THICKNESS OF SLAB. MAINTAIN FIRE RATING. ALL EXISTING CONCRETE FLOORS AND CHASES ARE 2 HOUR FIRE RATED.
25. FILL AND PATCH ALL OPENINGS IN WALLS WHERE CONDUITS, PIPES, ETC. ARE OR HAVE BEEN REMOVED WITH UL LISTED FIRE ASSEMBLY APPROVED BY THE ARCHITECT. MAINTAIN 2HR FIRE RATING IF APPLICABLE.
26. TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON FIELD CONDITIONS.
27. SPRINKLER CONTRACTOR SHALL PROVIDE STAMPED DRAWINGS AS REQUIRED BY STATE AND SPECIFICATIONS.
28. LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

STATE OF MAINE
KERRY D. DINEEN
13991
LICENSED
PROFESSIONAL ENGINEER

08-14-2020

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MEN'S REENTRY CENTER

MACHIASPORT, MAINE

FIRE PROTECTION LEGEND AND ABBREVIATIONS

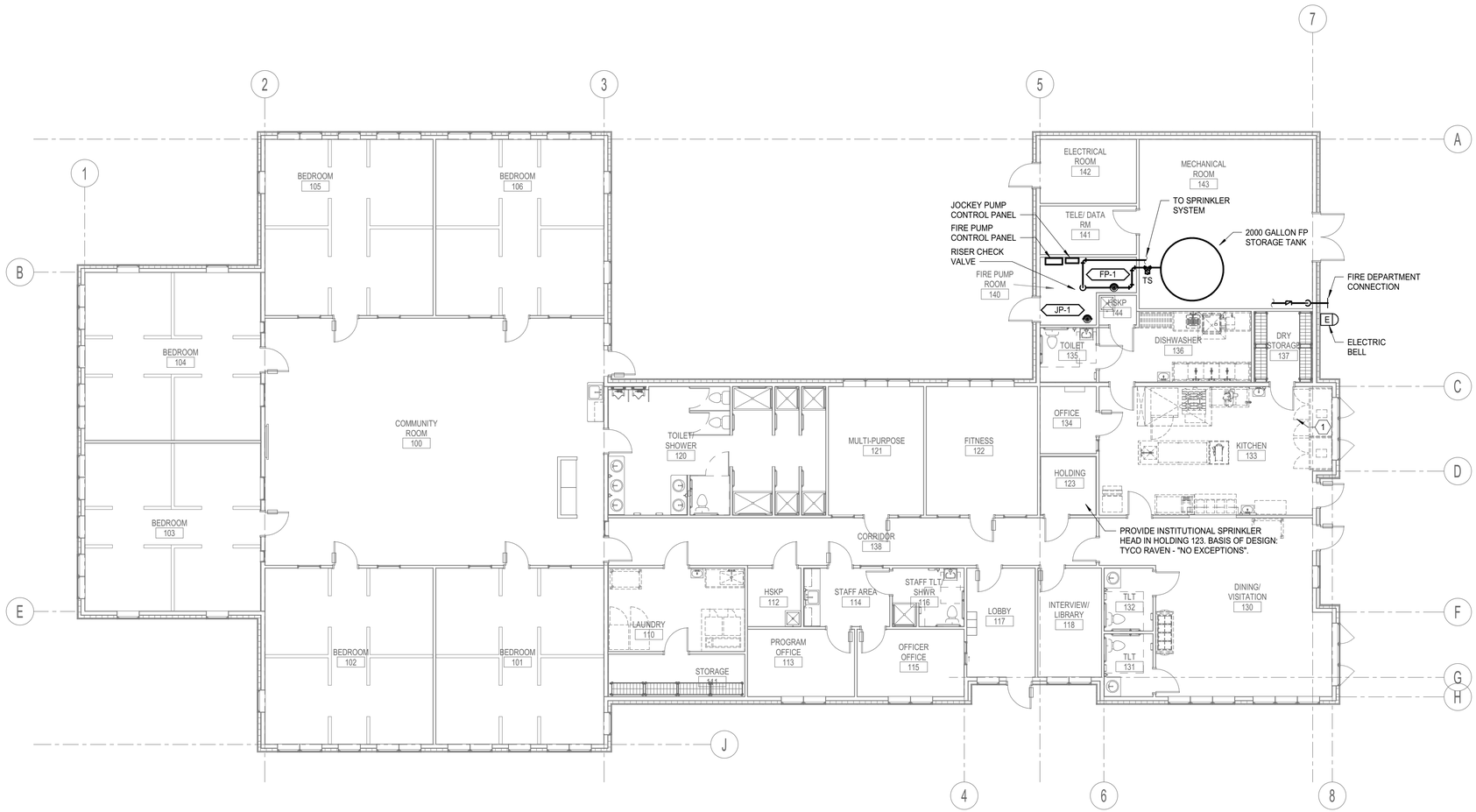
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	KDD		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	FP001-19176	SHEET No.	FP001

24x36



MEN'S RE-ENTRY BUILDING FIRE PROTECTION PLAN A1

1/8" = 1'-0"

NOTES:

1. SEE SHEET FP001 FOR LEGEND AND ABBREVIATIONS.
2. BUILDING TO BE PROVIDED WITH AUTOMATIC SPRINKLER PROTECTION THROUGHOUT IN ACCORDANCE WITH NFPA 13R.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	PROVIDE KITCHEN WITH WET CHEMICAL EXTINGUISHING SYSTEM (ANSUL R-102). COORDINATE SYSTEM REQUIREMENTS WITH FOOD SERVICE DRAWINGS AND SELECTED HOOD MANUFACTURER.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE KERRY D. DINEEN 13801 LICENSED PROFESSIONAL ENGINEER

08-14-2020

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MEN'S REENTRY CENTER

MACHIASPORT, MAINE

MEN'S RE-ENTRY CENTER - FIRE PROTECTION PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

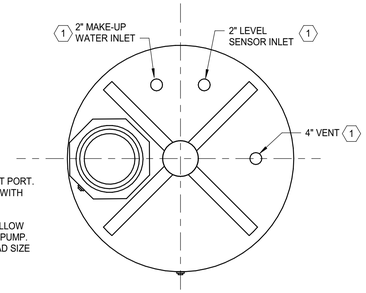
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	KDD		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	FP101-19176	SHEET No.	FP101

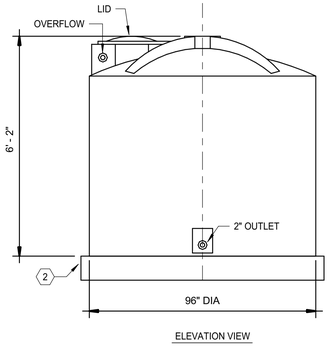
24x36

KEYED NOTES:

1. FIELD FABRICATE INLET AND VENT PORT. COORDINATE EXACT LOACTIONS WITH FIELD CONDITIONS.
2. ELEVATE TANK AS REQIRED TO ALLOW TANK TO FULLY DRAIN INTO FIRE PUMP. COORDINATE HOUSE KEEPING PAD SIZE ANS LOCATION WITH APPROVED SUBMITTAL (RE: STRUCTURAL).

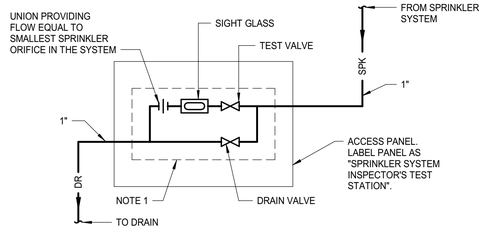


PLAN VIEW



ELEVATION VIEW

TANK DETAIL D9
NOT TO SCALE



NOTE:

1. COMBINATION DRAIN AND TEST VALVE IS ACCEPTABLE IN LIEU OF INDIVIDUAL COMPONENTS, VICTAULIC STYLE 718 OR EQUAL.

INSPECTOR'S TEST STATION J1
NOT TO SCALE

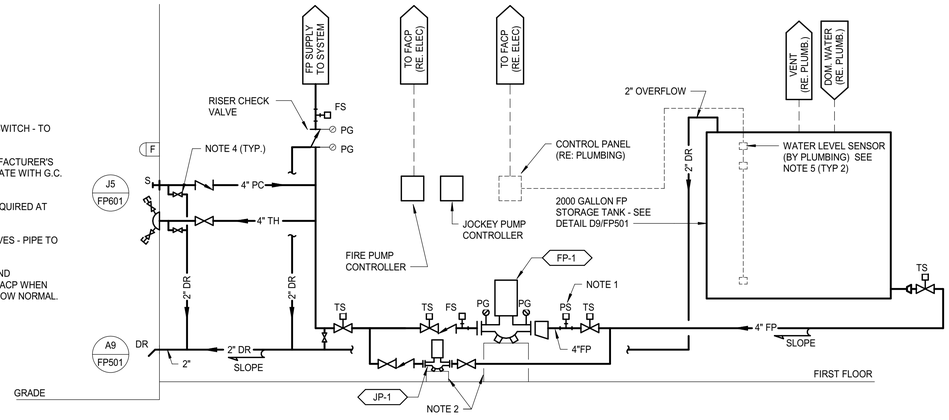
FIRE PUMP SCHEDULE

TAG	LOCATION	DESCRIPTION	GPM	HD (PSI)	ELECTRICAL				TYPICAL UNIT MFG & MODEL NO.	NOTES:
					HP	RPM	VOLTS/PH	HZ		
FP-1	FIRE PUMP ROOM	FIRE PUMP	65	60	7.5	3500	208/3	60	AC-FIRE PUMP 1580 SERIES	1
JP-1	FIRE PUMP ROOM	JOCKEY PUMP	10	70	3/4	3500	208/3	60	AC FIRE PUMP 1SV SERIES	1

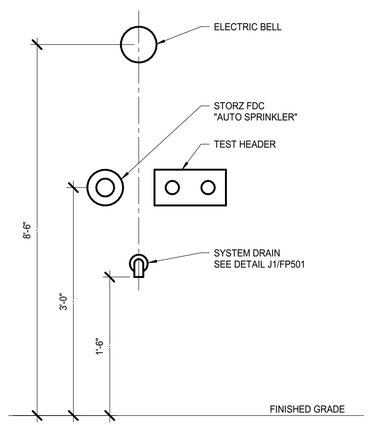
NOTES: 1 PUMPS SCHEDULED ARE FOR BIDDING AND INITIAL PURPOSES ONLY. THE INSTALLING CONTRACTOR SHALL VERIFY REQUIRED PUMP SIZES VIA SYSTEM HYDRAULIC CALCULATIONS AND PROVIDE REQUIRED PUMPS AT NO ADDITIONAL COSTS.

NOTES:

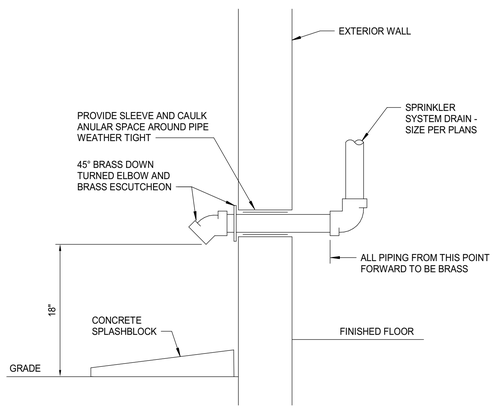
1. LOW SUCTION PRESSURE SWITCH - TO FACP.
2. SUPPORT PUMP PER MANUFACTURER'S REQUIREMENTS. COORDINATE WITH G.C. FOR CONCRETE BASES.
3. PROVIDE REDUCERS AS REQUIRED AT PUMP CONNECTIONS.
4. AUTOMATIC BALL DRIP VALVES - PIPE TO SYSTEM MAIN DRAIN.
5. CONTROL PANEL SHALL SEND SUPERVISORY SIGNAL TO FACP WHEN TANK LEVEL DROPS 12" BELOW NORMAL.



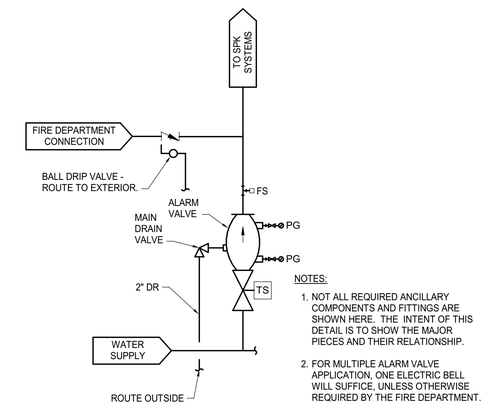
FIRE PUMP SCHEMATIC D1
NOT TO SCALE



FIRE APPURTANANCE ELEVATION A9
NOT TO SCALE



SPRINKLER DRAIN DETAIL A5
NOT TO SCALE



NOTES:

1. NOT ALL REQUIRED ANCILLARY COMPONENTS AND FITTINGS ARE SHOWN HERE. THE INTENT OF THIS DETAIL IS TO SHOW THE MAJOR PIECES AND THEIR RELATIONSHIP.
2. FOR MULTIPLE ALARM VALVE APPLICATION, ONE ELECTRIC BELL WILL SUFFICE, UNLESS OTHERWISE REQUIRED BY THE FIRE DEPARTMENT.

WET SPRINKLER ALARM CHECK VALVE RISER DIAGRAM A1
NOT TO SCALE

NOTES:

1. SEE SHEET FP001 FOR LEGEND AND ABBREVIATIONS.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

STATE OF MAINE
KERRY D. DINEEN
13801
LICENSED
PROFESSIONAL ENGINEER
08-14-2020

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MDOC - DCF
MEN'S REENTRY CENTER

MACHIASPORT, MAINE

FIRE PROTECTION DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	KDD		
JOB CAPTAIN:	CBM		FP501
DRAWN BY:	KPB		
SMRT FILE:	FP501-19176	SHEET No.	

24x36

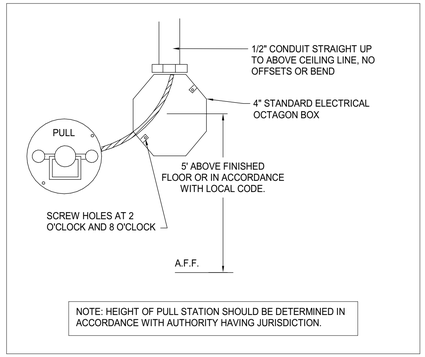
SPECIFICATIONS

THE KITCHEN FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

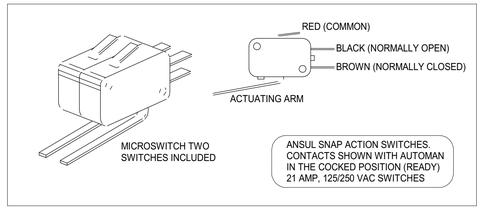
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.



ANSUL PULL STATION DETAIL

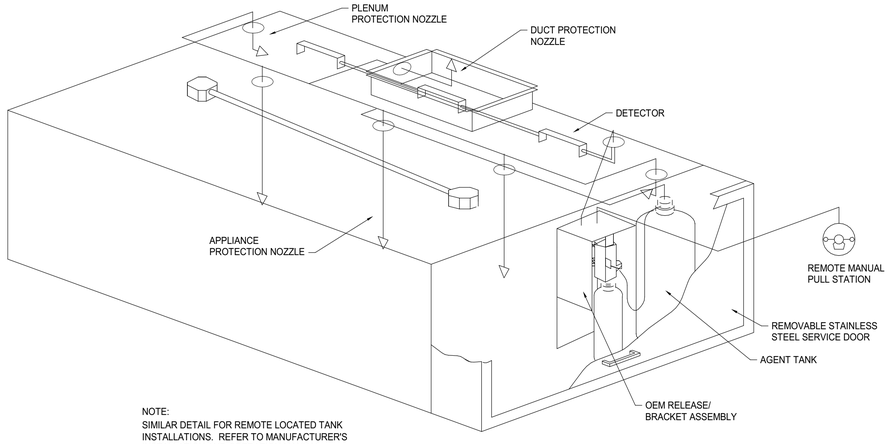


ANSUL MICROSWITCH DETAIL

HOOD AND ANSUL SYSTEM SEQUENCE OF OPERATION

THE HOOD WILL BE EQUIPPED WITH AN ANSUL R-102 SYSTEM THAT HAS USEABLE LINKS FOR AUTOMATIC DETECTION OF A FIRE. THESE LINKS ARE SET TO MELT AT A PREDETERMINED TEMPERATURE AND WILL ACTIVATE THE ANSUL SYSTEM ONCE THAT TEMPERATURE IS EXCEEDED. THE ANSUL SYSTEM CAN ALSO BE ACTIVATED BY PULLING THE REMOTE PULL STATION HANDLE. ONCE ONE OF THESE TWO EVENTS HAVE OCCURRED, THE FOLLOWING SEQUENCE WILL TAKE PLACE.

1. TENSION IN THE WIRE CABLE THAT CONNECTS THE FUSEABLE LINKS, REMOTE PULL STATION, AND THE MECHANICAL GAS VALVE TO THE ANSUL REGULATED RELEASE ASSEMBLY WILL BE RELEASED. AT THIS TIME THE FOLLOWING WILL TAKE PLACE.
   - A. THE GAS VALVE WILL SHUT OFF THE FLOW OF GAS TO THE COOKING APPLIANCES. SHUNT TRIP BREAKER WILL SHUT OFF POWER TO ELECTRIC COOKING APPLIANCES.
   - B. THE REGULATED RELEASE ASSEMBLY WILL ALLOW THE SYSTEM TO START SPRAYING THE ANSULEX LOW PH LIQUID FIRE SUPPRESSANT INTO THE PLENUM AREA, THE FILTERS, COOKING SURFACE, AND THE EXHAUST DUCT SYSTEM AT A PREDETERMINED FLOW RATE TO SUPPRESS THE FIRE.
   - C. THE REGULATED RELEASE ASSEMBLY WILL CHANGE THE STATE OF A SET OF MICRO SWITCHES THAT ARE WIRED TO THE HOODS ELECTRICAL CONTROL PACKAGE.
2. ONCE THE MICRO SWITCHES CHANGE STATE THE FOLLOWING EVENTS WILL TAKE PLACE.
   - A. THE EXHAUST FAN WILL TURN ON IF IT WAS OFF OR REMAIN RUNNING IF IT WAS ON AT THE TIME THE FIRE OCCURRED.
   - B. THE MAKE UP AIR FAN WILL SHUT DOWN
   - C. THE SHUNT TRIP DEVICE WIRED TO THE ELECTRICAL CONTROL PACKAGE WILL RECEIVE A SIGNAL TO SHUT DOWN THE APPLIANCES WIRED TO IT SO THAT THERE IS NO ELECTRICAL APPLIANCE UNDER THE HOOD RECEIVING POWER FROM THE BUILDING.
   - D. ADDITIONAL EVENTS MAY ALSO OCCUR AT THIS TIME DEPENDING ON LOCAL CODES SUCH AS A SIGNAL BEING SENT TO ACTIVATE THE BUILDING ALARM OR THE LIGHTS IN THE HOOD WILL TURN OFF.



NOTE:
SIMILAR DETAIL FOR REMOTE LOCATED TANK INSTALLATIONS. REFER TO MANUFACTURER'S INSTALLATION AND OPERATION MANUAL.

ANSUL R-102 SYSTEM LAYOUT (A1)
NOT TO SCALE

NOTES:

1. SEE SHEET FP001 FOR LEGEND AND ABBREVIATIONS.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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CURRENT ISSUE STATUS:

STATE OF MAINE
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FIRE PROTECTION DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	KDD		
JOB CAPTAIN:	CBM		FP502
DRAWN BY:	KPB		
SMRT FILE:	FP502-19176	SHEET No.	

24x36

PIPING SYMBOLS

- UNION
- FLANGE
- PIPE ANCHOR
- PIPE GUIDE OR SLEEVES
- PIPE ELBOW TURNED DOWN
- PIPE ELBOW TURNED UP
- PIPING TEE-DOWN
- PIPING TEE-UP
- PIPE RISER
- FCO — FLOOR CLEAN OUT
- CO — CLEAN OUT
- WCO — WALL CLEAN OUT
- PIPE PITCHES DOWN
- GENERIC VALVE, SEE SPECIFICATIONS FOR TYPE
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE (MANUAL)
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- BALANCING VALVE (CIRCUIT SETTER)
- CHECK VALVE
- PLUG VALVE
- GLOBE VALVE
- NEEDLE VALVE
- BACK FLOW PREVENTER
- [S] — SOLENOID VALVE
- PRESSURE REDUCING OR REGULATING VALVE
- PRESSURE RELIEF VALVE
- STRAINER
- STRAINER W/BLOWDOWN
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- PG — PRESSURE GAUGE AND COCK
- THERMOMETER AND WELL
- TEMPERATURE & PRESSURE TAP (PETE'S PLUG)
- HOSE END DRAIN VALVE WITH CAP
- PIPE ELBOW TURNED DOWN - VALVE IN VERTICAL
- PIPE ELBOW TURNED UP - VALVE IN VERTICAL
- ORIFICE FLOWMETER
- FLEXIBLE PIPE CONNECTOR
- EXPANSION JOINT
- CONCENTRIC REDUCER/INCREASER
- ECCENTRIC REDUCER/INCREASER
- HB — HOSE BIBB
- WH — WALL HYDRANT
- DIRECTION OF FLOW
- FIRE DEPARTMENT CONNECTION
- PUMP
- WATER HAMMER SUPPRESSER
- H — HUMIDIFIER
- DP — DIFFERENTIAL PRESSURE TRANSMITTER
- SPRINKLER HEAD
- GAS TURRET
- MEDICAL OXYGEN OUTLET
- MEDICAL VACUUM INLET
- MEDICAL AIR OUTLET
- NITROUS OXIDE OUTLET
- NITROGEN OUTLET
- WASTE ANESTHESIA GAS DISPOSAL INLET
- CARBON DIOXIDE OUTLET
- INSTRUMENT AIR OUTLET
- DISS TYPE OXYGEN OUTLET
- DISS TYPE VACUUM INLET
- DISS TYPE MEDICAL AIR OUTLET
- DISS TYPE NITROUS OXIDE OUTLET
- DISS TYPE NITROGEN OUTLET
- DISS TYPE WASTE ANESTHESIA GAS DISPOSAL INLET
- DISS TYPE CARBON DIOXIDE OUTLET
- DISS TYPE INSTRUMENT AIR OUTLET

GENERAL SYMBOLS

- LIMITS OF DEMOLITION
- CONNECT TO EXISTING
- EQUIPMENT ABBREVIATION (DWH=DOMESTIC WATER HEATER)
- EQUIPMENT NO.
- DWH-1 — EQUIPMENT TAG
- A1 / PL501 — DETAIL NO. / SHEET NO. WHERE DETAIL IS LOCATED
- 1 — KEYED NOTE

PIPING SYSTEMS

- AV — ACID VENT
- AD — ACID DRAIN
- AD — ACID DRAIN (BELOW SLAB)
- BA — BREATHING AIR
- CA — COMPRESSED AIR / SERVICE AIR
- (FM) CD — FORCED MAIN CONDENSATE DRAIN
- CD — CONDENSATE DRAIN
- CDA — COMPRESSED CLEAN DRY AIR
- CO2 — CARBON DIOXIDE
- DB — DISTRIBUTION VALVE BOX
- DIS — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- ECWS — EMERGENCY CITY WATER SUPPLY
- ECWR — EMERGENCY CITY WATER RETURN
- EKCD — EKC DRAIN
- ESEW — EYEWASH
- FW — FLUORIDE WASTE
- FWV — FLUORIDE WASTE VENT
- GLY — GLYCOL
- GV — GAS VENT
- GWS — GRAY WATER SUPPLY
- GWR — GRAY WATER RETURN
- H — HYDROGEN
- H202 — HYDROGEN PEROXIDE
- HCV — HOUSE CLEAN VACUUM
- HCVE — HOUSE CLEAN VACUUM EXHAUST
- IA — INSTRUMENT AIR
- IAD — ISOPROPYL ALCOHOL DRAIN
- INW — INDUSTRIAL WASTE
- INWV — INDUSTRIAL WASTE VENT
- LN2 — LIQUIFIED NITROGEN
- LP — LIQUID PROPANE GAS
- LP (# PSIG) — HIGH PRESSURE LIQUID PROPANE GAS
- MA — MEDICAL AIR
- MV — MEDICAL VACUUM
- MVE — MEDICAL VACUUM EXHAUST
- N2NP — NON-PROCESS NITROGEN
- N2 — NITROGEN
- NG — NATURAL GAS
- NG (# PSIG) — HIGH PRESSURE NATURAL GAS
- NO2 — NITROUS OXIDE
- NEG. SOLV. — NEGATIVE SOLVENT DRAIN
- NPW — NON POTABLE COLD WATER
- O2 — OXYGEN
- OFA — OIL FREE COMPRESSED AIR
- PD — PUMPED DISCHARGE
- PCWS — PROCESS COOLING WATER SUPPLY
- PCWR — PROCESS COOLING WATER RETURN
- PHWS — PROCESS HOT WATER SUPPLY
- PHWR — PROCESS HOT WATER RETURN
- POS SOLV — POSITIVE SOLVENT DRAIN
- PW — POTABLE WATER
- R — RELIEF LINE
- SLD — MIXED SOLVENT DRAIN
- SV — SOLVENT VENT
- SW — SOLVENT WASTE
- SPK — SPRINKLER
- VAC — VACUUM
- VACE — VACUUM EXHAUST
- WAGD — WASTE ANESTHESIA GAS DISPOSAL
- WAGDE — WASTE ANESTHESIA GAS DISPOSAL EXHAUST
- ZB — ZONE VALVE BOX
- INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.
- HW (# DEG F) — DOMESTIC HOT WATER (TEMP DEG F)
- RHW (# DEG F) — RECIRC. DOMESTIC HOT WATER (TEMP DEG F)
- TW — TEPID WATER (65 - 80 DEG F)
- CW — DOMESTIC COLD WATER
- HW — DOMESTIC HOT WATER
- RHW — RECIRCULATED DOMESTIC HOT WATER
- (FM) S, W, IW or KW — FORCED MAIN SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE
- S, W, IW or KW — SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE
- S, W, IW or KW — SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE (EXIST.)
- S, W or KW — SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
- S, W or KW — SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
- SD — STORM DRAIN
- SD — STORM DRAIN (EXIST.)
- SD — STORM DRAIN (BELOW SLAB)
- SD — STORM DRAIN (BELOW SLAB-EXIST.)
- V — SANITARY VENT
- V — SANITARY VENT (EXIST.)
- V — SANITARY VENT (BELOW SLAB)
- V — SANITARY VENT (BELOW SLAB-EXIST.)

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	CW-P	DOUBLE CONTAINED	H	HUMIDIFIER	N2G	NITROGEN GENERATORS
AC	AIR CONDITIONING UNIT	DC	CITY WATER-PROCESS	HC	HEALTH CARE / HAND WASH SINK	P	PUMP
ACM	AIR COMPRESSOR	DCO	DANDY CLEANOUT	HB	HOSE BIB	PAS	PROCESS AIR SEPARATOR
AD	ACCESS DOOR	DDC	DIRECT DIGITAL CONTROL	HP	HEAT PUMP	PCH	PROCESS CHILLER
AFF	ABOVE FINISHED FLOOR	DF	DRINKING FOUNTAIN	HRU	HEAT RECOVERY UNIT	PET	THERMAL EXPANSION TANK
AHU	AIR HANDLING UNIT	DIA	DIAMETER	HTR	HEATER	PF	PROCESS FILTER
ATC	AUTOMATIC TEMPERATURE CONTROL	DIC	DOWN IN CHASE	H & V	HEATING AND VENTILATION	PP	PROCESS PUMP
AV	AIR VENT	DIRO	DIALYSIS PURIFIED WATER	HVAC	HEATING, VENTILATING AND AIR COND	PPE	PRE PURCHASED EQUIPMENT
BA	BREATHING COMPRESSED AIR	DIW	DOWN IN WALL	HW	HOT WATER	PRS	PRESSURE REDUCING STATION
BFP	BACKFLOW PREVENTER	DN	DOWN	HX	HEAT EXCHANGER	PRV	PRESSURE REDUCING VALVE
BLDG	BUILDING	DS	DOWNSPOUT	IAC	INSTRUMENT AIR CONTROL PANEL	PSIG	POUNDS PER SQUARE INCH (PRESSURE)
BOD	BOTTOM OF DUCT	DT	DROP AND TRANSITION	IE	ION EXCHANGE UNIT	PWS	POWER WASHING UNIT
BOP	BOTTOM OF PIPE	DTV	DRAIN TEMPERING VALVE	INT	INTERCEPTOR	RAH	RECIRCULATING AIR HANDLING UNIT
BP	BOOSTER PUMP	DWG	DRAWING	IN WG	INCHES WATER GAUGE	(R)	REMOVE
BT	BATHING TUB	DWH	DOMESTIC WATER HEATER	LAV	LAVATORY	(REL)	RELOCATED
BTU	BRITISH THERMAL UNIT	DWV	DRAINAGE, WASTE & VENT	MAC	MEDICAL AIR COMPRESSOR	RD	ROOF DRAIN
BW	BOOT WASH	EE	EMERGENCY EQUIPMENT	MAU	MAKE UP AIR UNIT	RHC	REHEAT COIL
CAD	COMPRESSED AIR DRYER	ENC	ENCLOSURE	MAX	MAXIMUM	RM	ROOM
CAF	COMPRESSED AIR FILTER	(E)	EXISTING	MBH	1000 BTU/HR.	RO	REVERSE OSMOSIS UNIT
CC	COOLING COIL	ESP	ELEVATOR SUMP PUMP	ME	MECHANICAL ENGINEER	RP	RECIRCULATING PUMP
CFF	CAPPED FOR FUTURE	EXIST.	EXISTING	MFR	MANUFACTURER	RPZ	REDUCED PRESSURE ZONE BFP
CFH	CUBIC FEET PER HOUR	EWC	ELECTRIC WATER COOLER	MGAP	MEDICAL GAS ALARM PANEL	RTU	ROOF TOP AIR HANDLING UNIT
CH	CHILLER	F	FILTER	MIN	MINIMUM	RV	RELIEF VALVE
CLG	CEILING	FBO	FURNISHED BY OWNER	MP	MACERATING SANITARY EJECTOR PUM	RWP	RAIN WATER PUMP
CO	CLEANOUT	FC	FLEXIBLE CONNECTION	MPV	MULTI-PURPOSE VALVE	SCV	SELF CONTAINED VALVE
CONT	CONTINUATION	FCO	FLOOR CLEANOUT	MR	MOP RECEPTOR	SG	STEAM GENERATOR
COORD	COORDINATE	FCU	FAN COIL UNIT	MTD	MOUNTED	SH	SHOWER
CP	CONDENSATE PUMP	FD	FLOOR DRAIN	MUA	MAKE-UP AIR UNIT	SK	SINK
CSRO	CENTRAL STERILE PROCESS WATER	FG	FIBERGLASS	MUA	MAKE UP AIR	SOLC	SOLAR COLLECTOR PANEL
CTE	CONNECT TO EXISTING	FRHB	FREEZE RESISTANT HOSE BIBB	MV	MIXING VALVE	SOLDT	SOLAR DRAIN-BACK TANK
CT	COOLING TOWER	FS	FLOOR SINK	MVP	MEDICAL VACUUM	SOLP	SOLAR WATER PUMP
CU	COPPER	GC	GENERAL CONTRACTOR	NCP	NITROGEN CONTROL PANEL	SOLPET	SOLAR THERMAL EXPANSION TANK
CV	CONTROL VALVE	GPM	GALLONS PER MINUTE	NPW	NON-POTABLE WATER	SOLT	SOLAR STORAGE TANK
CW	COLD WATER	GT	GREASE TRAP / INTERCEPTOR	NTS	NOT TO SCALE	SOLWH	SOLAR HOT WATER HEATER
						SP	SUMP PUMP
						SS	STAINLESS STEEL
						SSK	SOILED SERVICE SINK
						ST	STORAGE TANK
						T	TANK
						TD	TRENCH DRAIN
						TE	TEMPERATURIZED ELEMENT (SENSOR)
						TOP	TOP OF PIPE
						TTS	TIGHT TO STEEL
						TYP	TYPICAL
						UIC	UP IN CHASE
						UIW	UP IN WALL
						UR	URINAL
						UV	ULTRAVIOLET FILTER
						VB	VACUUM BREAKER
						VAC	VACUUM PUMP
						VTR	VENT THRU ROOF
						VCFF	VALVED AND CAPPED FOR FUTURE
						VFD	VARIABLE FREQUENCY DRIVE
						VOC	VOLATILE ORGANIC COMPOUNDS
						W/	WITH
						WAGD	WASTE ANESTHESIA GAS DISPOSAL PUMP
						WB	WALL BOX
						WC	WATER CLOSET
						WC/LAV	COMBINATION WATER CLOSET AND LAVATORY UNIT
						WCO	WALL CLEANOUT
						WP	SANITARY WASTE EJECTOR PUMP
						W&T	WASTE AND TRAP
						WH	WALL HYDRANT
						WS	WATER SOFTENER
						ZVB	ZONE VALVE BOX

PROCESS INSTRUMENTATION SYMBOLS

- PRV — PRESSURE REGULATING VALVE
- PSV — PRESSURE SUSTAINING VALVE
- PRESSURE REGULATING VALVE W/ INLET/OUTLET GAUGES
- ROTAMETER / FLOWMETER
- TAG — FIELD MOUNT INSTRUMENT
- TAG — PANEL OR PANEL MOUNT INSTRUMENT
- PI — PRESSURE INDICATOR (GAUGE)
- VI — VACUUM INDICATOR (GAUGE)
- TI — TEMPERATURE INDICATOR (GAUGE)
- FI — FLOW INDICATOR (GAUGE)
- GAUGE ISOLATOR

VALVE TAG KEY

AW — UTILITY
A01 — BRANCH VALVE
AREA

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

MOTORPOOL BUILDING

ALL FLOOR DRAINS SHALL BE PLUGGED. CONTRACTOR SHALL REMOVED EXISTING FLOOR DRAINS AND PLUG. PATCH FLOOR TO MATCH EXISTING.
CONTRACTOR SHALL PROVIDE NEW BACKFLOW PREVENTER PER LOCAL PLUMBING CODE. BACKFLOW SHALL BE LOCATED DOWN STREAM OF WATER METER
BACKFLOW MODEL NUMBER: WATTS SERIES 007
WATER METER: NEPTUNE T-10

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20
CURRENT ISSUE STATUS:

STATE OF MAINE — DAVID R. VASHON — No. 6103 — LICENSED PROFESSIONAL ENGINEER — 08-14-2020

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MACHIASPORT, MAINE

PLUMBING LEGEND AND ABBREVIATIONS

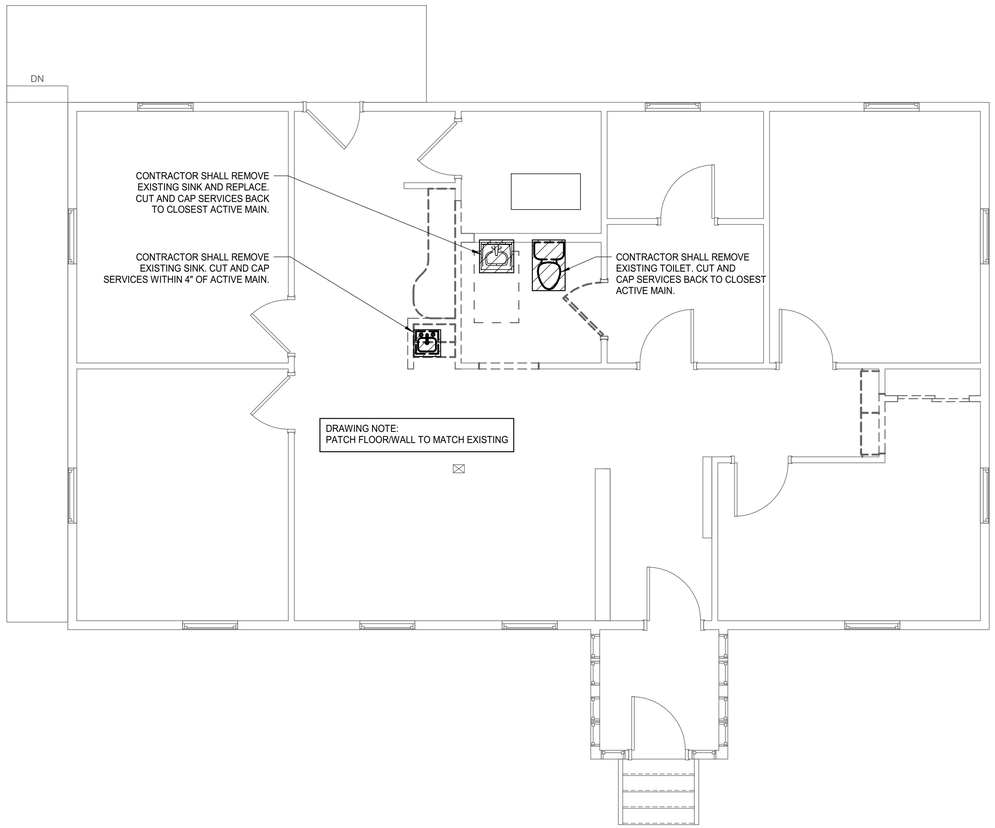
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	PL001-19176	SHEET No.	PL001

24x36



ADMIN BUILDING PLUMBING DEMOLITION PLAN (A1)
1/4" = 1'-0"

NOTES:
1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION

REV	DESCRIPTION	DATE
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ADMIN BUILDING - PLUMBING DEMOLTION PLAN

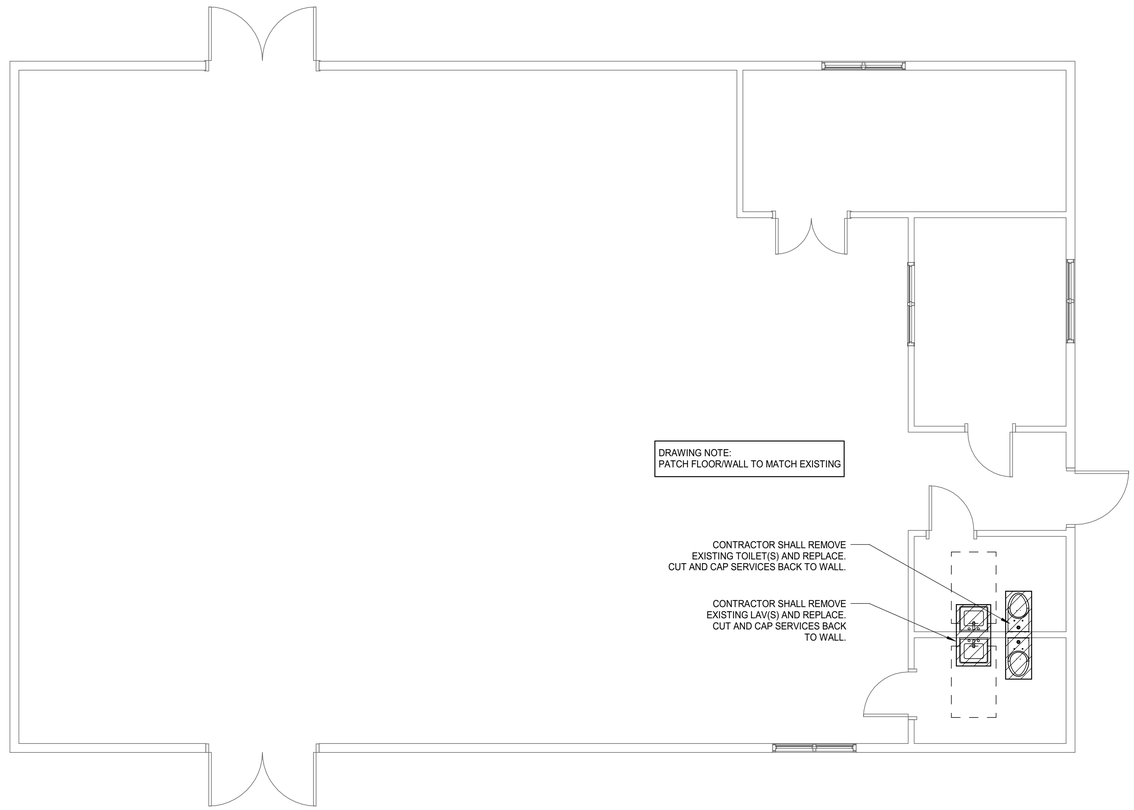
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		PD101
DRAWN BY:	JMW		
SMRT FILE:	PD101-19176	SHEET No.	

24x36



STORAGE - 0 - FIRST FLOOR PLUMBING DEMOLITION PLAN (A1)
1/4" = 1'-0"

REV	DESCRIPTION	DATE
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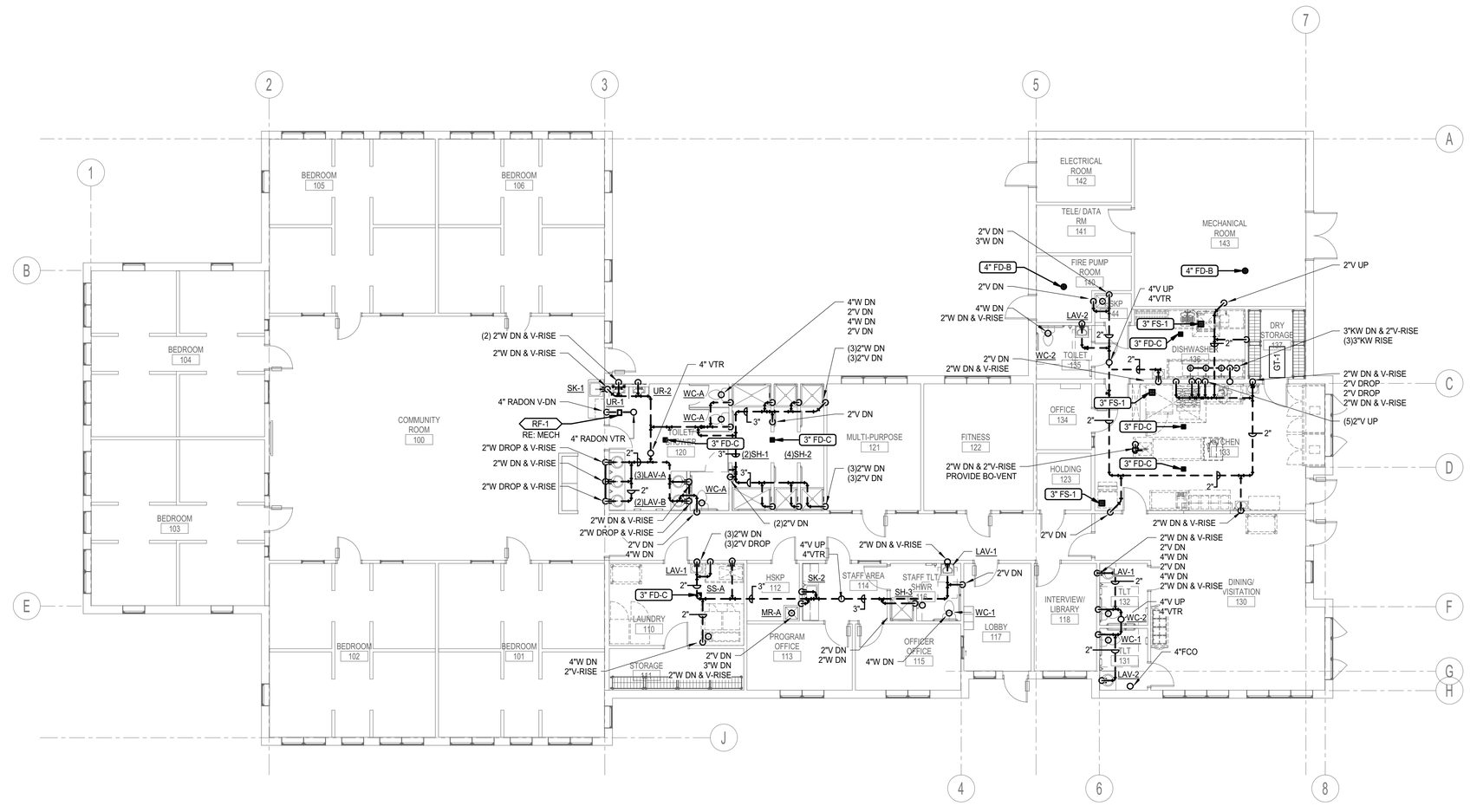
STORAGE BUILDING - FIRST FLOOR DEMOLITION PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PD102-19176	SHEET No.	PD102

24x36



MENS'S RE-ENTRY BUILDING DWV PIPING PLAN (A1)
1/8" = 1'-0"

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.
2. SEE PLUMBING CONNECTION SCHEDULE ON PL601 FOR ALL PIPE TERMINATIONS TO FIXTURES AND SPECIALTIES.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION

REV	DESCRIPTION	DATE
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08-14-20
CURRENT ISSUE STATUS:

PROJECT NORTH:

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MEN'S RE-ENTRY CENTER - DWV PIPING PLAN

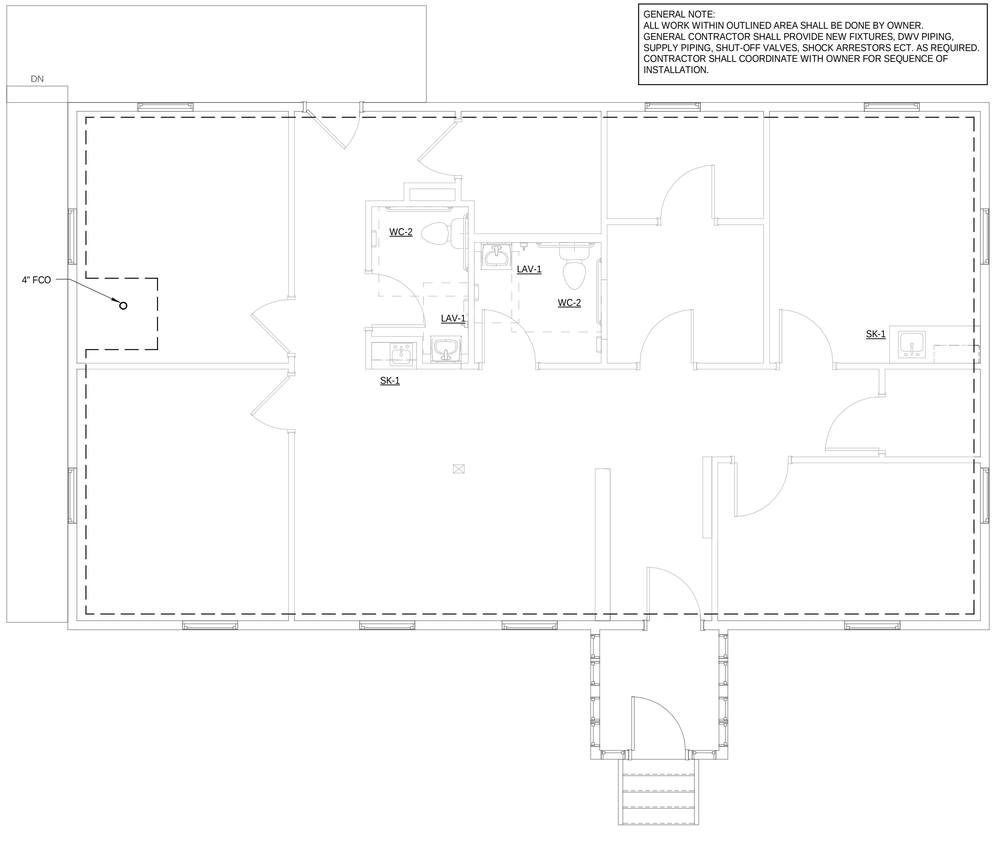
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		PL101
DRAWN BY:	JMW		
SMRT FILE:	PL101-19176	SHEET No.	

GENERAL NOTE:
ALL WORK WITHIN OUTLINED AREA SHALL BE DONE BY OWNER.
GENERAL CONTRACTOR SHALL PROVIDE NEW FIXTURES, DWV PIPING, SUPPLY PIPING, SHUT-OFF VALVES, SHOCK ARRESTORS ECT. AS REQUIRED.
CONTRACTOR SHALL COORDINATE WITH OWNER FOR SEQUENCE OF INSTALLATION.



ADMIN BUILDING PLUMBING DWV PIPING PLAN A1
1/4" = 1'-0"

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.
2. SEE PLUMBING CONNECTION SCHEDULE ON PL601 FOR ALL PIPE TERMINATIONS TO FIXTURES AND SPECIALTIES.

KEYNOTES

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MACHIASPORT, MAINE

ADMIN BUILDING - DWV PIPING PLAN

SHEET TITLE:

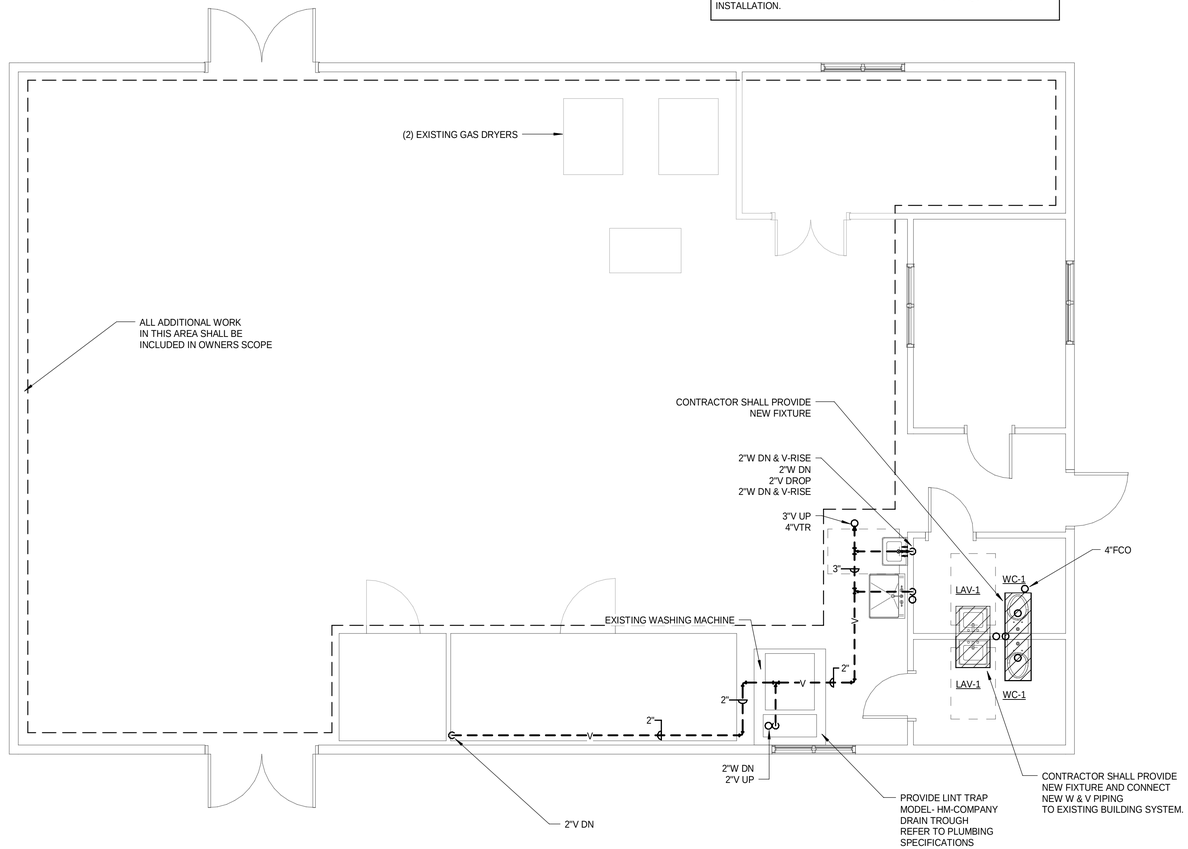
0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PL102-19176	SHEET No.	PL102

24x36

GENERAL NOTE:
ALL WORK WITHIN OUTLINED AREA SHALL BE DONE BY OWNER.
GENERAL CONTRACTOR SHALL PROVIDE NEW FIXTURES, DWV PIPING, SUPPLY PIPING, SHUT-OFF VALVES, SHOCK ARRESTORS ECT. AS REQUIRED.
CONTRACTOR SHALL COORDINATE WITH OWNER FOR SEQUENCE OF INSTALLATION.



STORAGE - 1 - FIRST FLOOR DWV PIPING PLAN A1
1/4" = 1'-0"

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.
2. SEE PLUMBING CONNECTION SCHEDULE ON PL601 FOR PIPE TERMINATIONS TO FIXTURES AND SPECIALTIES. REFER TO PLUMBING SCHEMATICS ON PL651 FOR CONNECTIONS TO EQUIPMENT.
3. PROVIDE ISOLATION VALVES FOR ALL CW, HW AND RHW RUNOUTS TO EVERY INDIVIDUAL FIXTURE, EQUIPMENT, SPECIALTY ETC. VALVES SHALL BE LOCATED AT THE TOP-OF-DROPS IN AN ACCESSIBLE LOCATION WITH THE CEILING GRID MARKED FOR MAINTENANCE.
4. PROVIDE SERVICE VALVES FOR ALL CW, HW AND RHW MAINS AND BRANCH RUNNOUTS. LOCATE VALVES AT ALL FIRE/SMOKE PARTITIONS,BRANCH LOCATIONS AND RISERS. VALVES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH THE CEILING GRID MARKED FOR MAINTENANCE.
5. LOCATE AND COORDINATE WITH THE GENERAL CONTRACTOR THE INSTALLATION OF ACCESS PANELS FOR ALL CONCEALED VALVES INCLUDING BUT NOT LIMITED TO VALVES ABOVE HARD CEILINGS AND WITHIN SOFFITS.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20
CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE
DAVID R. VASHON
No. 6103
LICENSED PROFESSIONAL ENGINEER
08/14/2020

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Portland, Maine 04101
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MACHIASPORT, MAINE

STORAGE BUILDING - FIRST FLOOR DWV PIPING PLAN

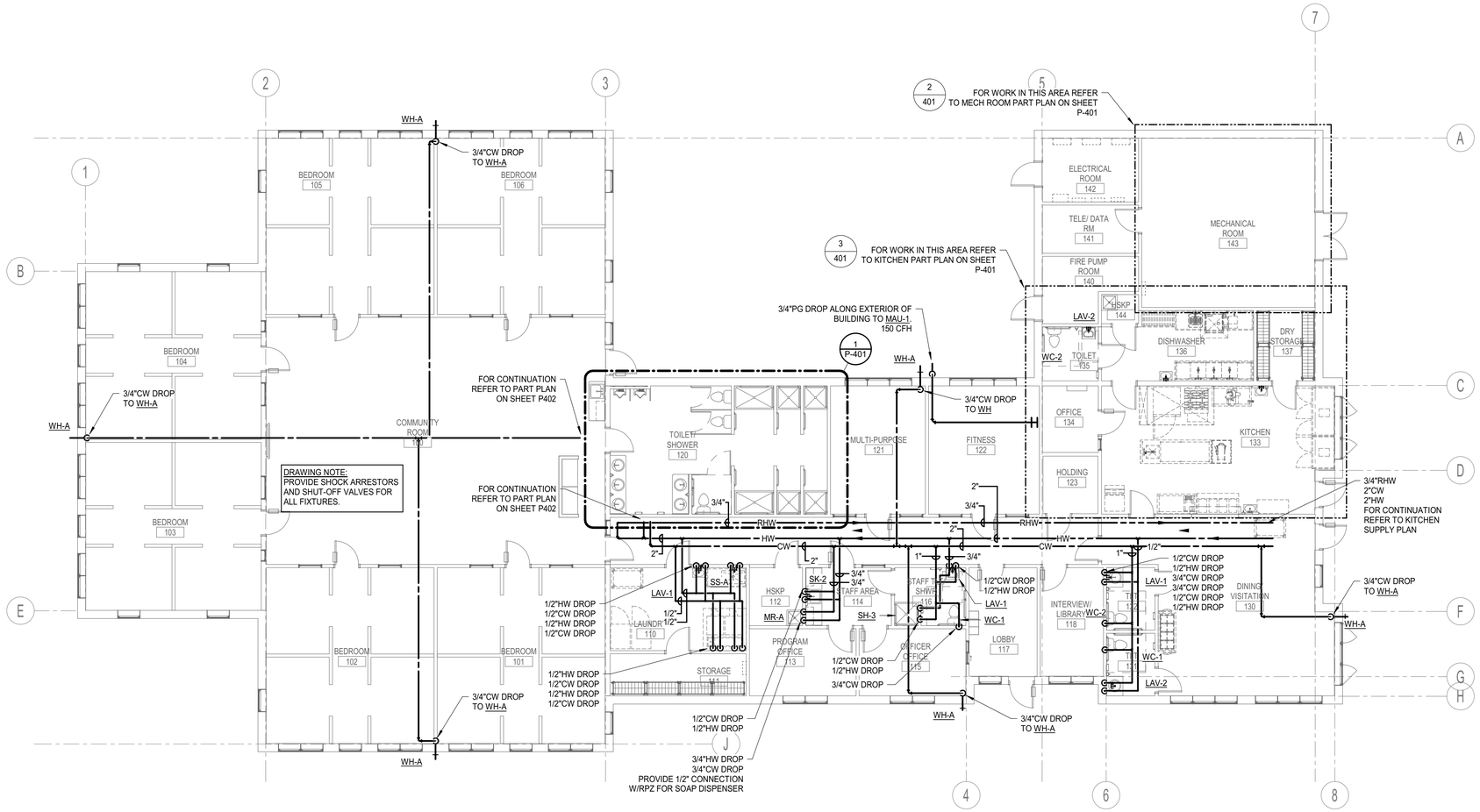
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PL103-19176	SHEET No.	PL103

24x36



MENS'S RE-ENTRY BUILDING SUPPLY PIPING PLAN (A1)
1/8" = 1'-0"

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.
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5. LOCATE AND COORDINATE WITH THE GENERAL CONTRACTOR THE INSTALLATION OF ACCESS PANELS FOR ALL CONCEALED VALVES INCLUDING BUT NOT LIMITED TO VALVES ABOVE HARD CEILINGS AND WITHIN SOFFITS.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION

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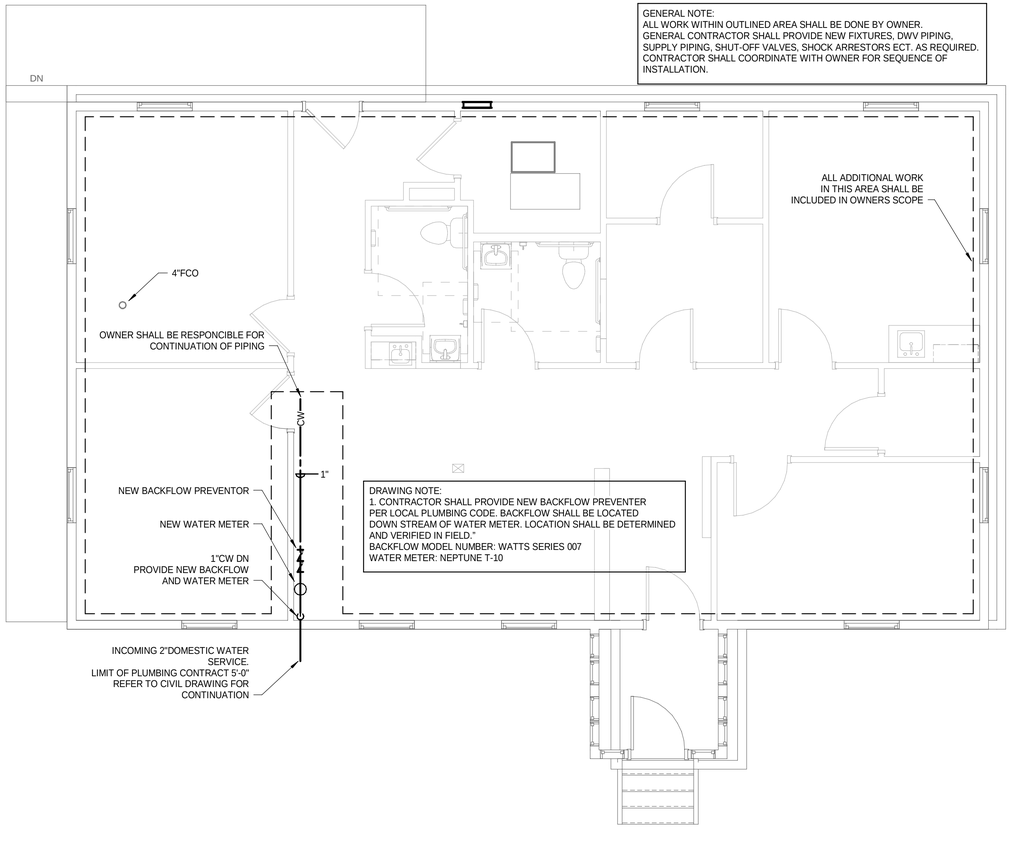
MEN'S RE-ENTRY CENTER - SUPPLY PIPING PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PP101-19176	SHEET No.	PP101

24x36



ADMIN BUILDING PLUMBING SUPPLY PIPING PLAN
1/4" = 1'-0"
A1

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.
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KEYNOTES

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ADMIN BUILDING - SUPPLY PIPING PLAN

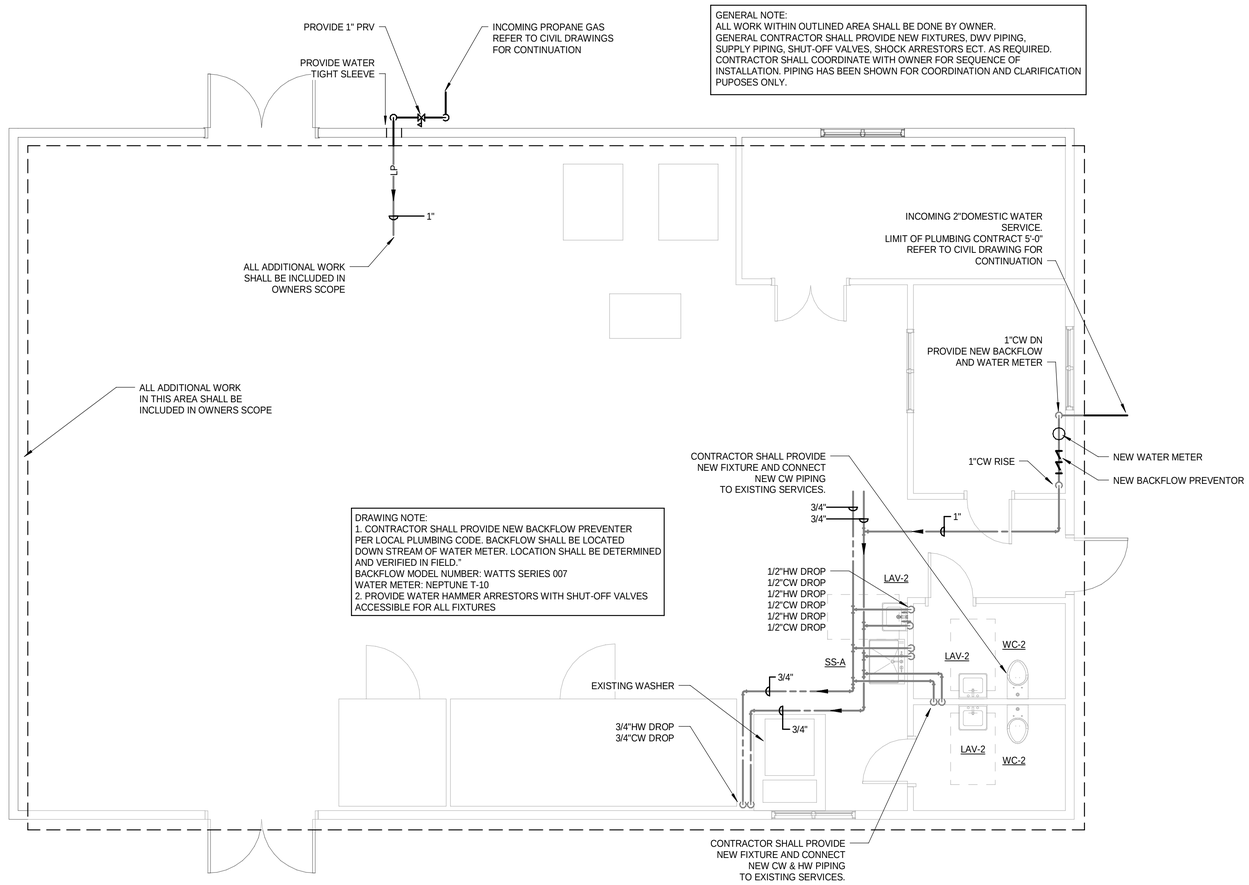
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM	PP102	
DRAWN BY:	JMW		
SMRT FILE:	PP102-19176	SHEET No.	

24x36



GENERAL NOTE:
ALL WORK WITHIN OUTLINED AREA SHALL BE DONE BY OWNER.
GENERAL CONTRACTOR SHALL PROVIDE NEW FIXTURES, DWV PIPING, SUPPLY PIPING, SHUT-OFF VALVES, SHOCK ARRESTORS ECT. AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH OWNER FOR SEQUENCE OF INSTALLATION. PIPING HAS BEEN SHOWN FOR COORDINATION AND CLARIFICATION PUPOSES ONLY.

DRAWING NOTE:
1. CONTRACTOR SHALL PROVIDE NEW BACKFLOW PREVENTER PER LOCAL PLUMBING CODE. BACKFLOW SHALL BE LOCATED DOWN STREAM OF WATER METER. LOCATION SHALL BE DETERMINED AND VERIFIED IN FIELD."
BACKFLOW MODEL NUMBER: WATTS SERIES 007
WATER METER: NEPTUNE T-10
2. PROVIDE WATER HAMMER ARRESTORS WITH SHUT-OFF VALVES ACCESSIBLE FOR ALL FIXTURES

STORAGE - 1 - FIRST FLOOR SUPPLY PIPING PLAN (A1)

1/4" = 1'-0"

NOTES:

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2. SEE PLUMBING CONNECTION SCHEDULE ON PL601 FOR PIPE TERMINATIONS TO FIXTURES AND SPECIALTIES. REFER TO PLUMBING SCHEMATICS ON PL651 FOR CONNECTIONS TO EQUIPMENT.
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MACHIASPORT, MAINE

STORAGE BUILDING FIRST FLOOR - SUPPLY PIPING PLAN

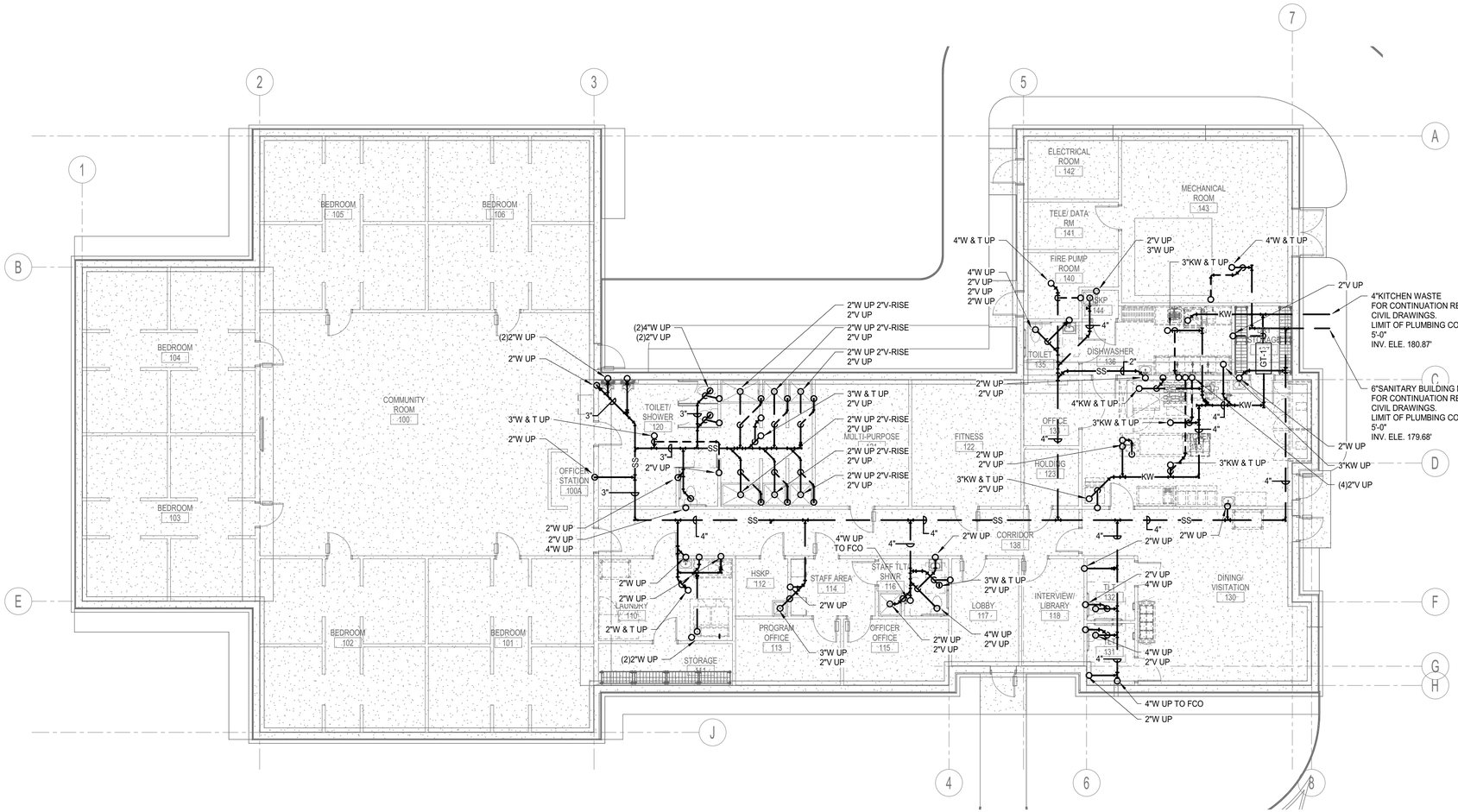
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PP103-19176	SHEET No.	PP103

24x36



MENS'S RE-ENTRY BUILDING UNDERSLAB DWV PIPING PLAN (A1)
1/8" = 1'-0"

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.

KEYNOTES

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MEN'S RE-ENTRY CENTER - UNDERSLAB DWV PIPING PLAN

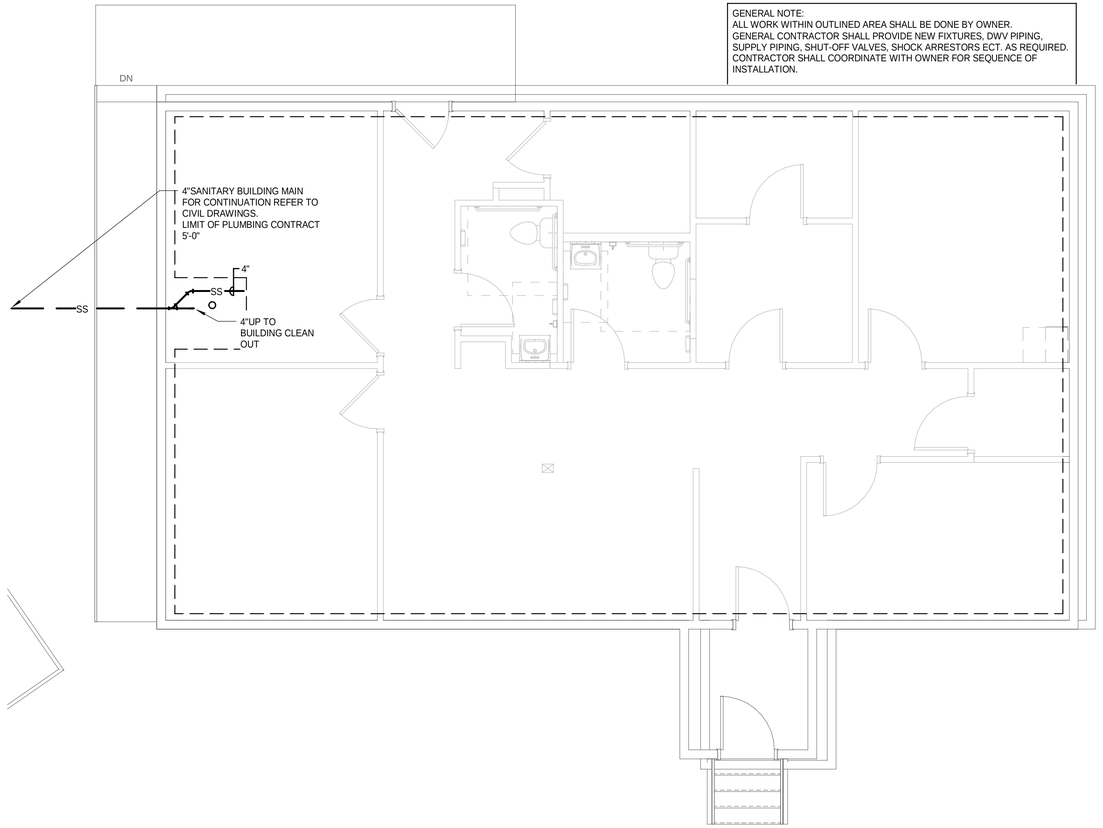
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PU101-19176	SHEET No.	PU101

24x36

GENERAL NOTE:
ALL WORK WITHIN OUTLINED AREA SHALL BE DONE BY OWNER.
GENERAL CONTRACTOR SHALL PROVIDE NEW FIXTURES, DWV PIPING, SUPPLY PIPING, SHUT-OFF VALVES, SHOCK ARRESTORS ECT. AS REQUIRED.
CONTRACTOR SHALL COORDINATE WITH OWNER FOR SEQUENCE OF INSTALLATION.



ADMIN BUILDING PLUMBING UNDERSLAB PIPING PLAN A1
1/4" = 1'-0"

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ADMIN BUILDING - PLUMBING UNDERSLAB PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PU102-19176	SHEET No.	PU102

24x36

GENERAL NOTE:
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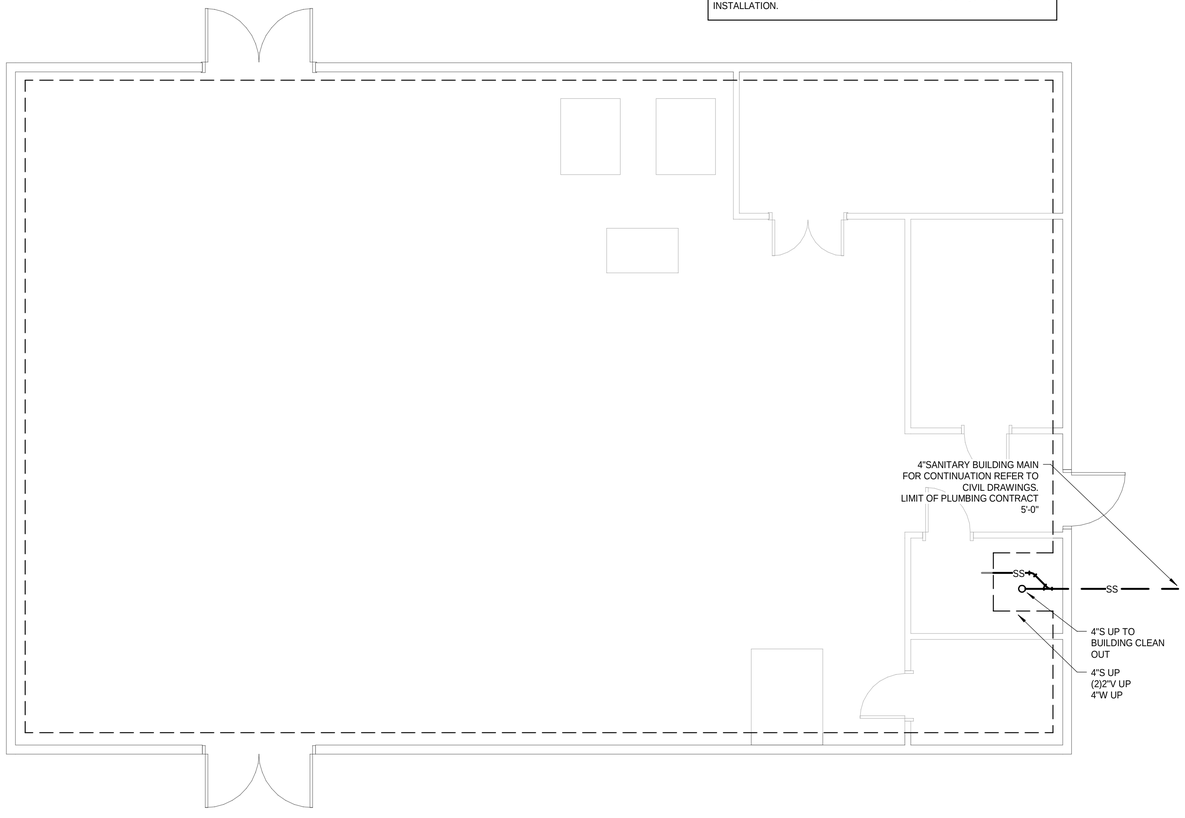

STORAGE - 1 - FIRST FLOOR UNDERSLAB PLAN (A1)
1/4" = 1'-0"

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STORAGE BUILDING - FIRST FLOOR UNDERSLAB PLAN

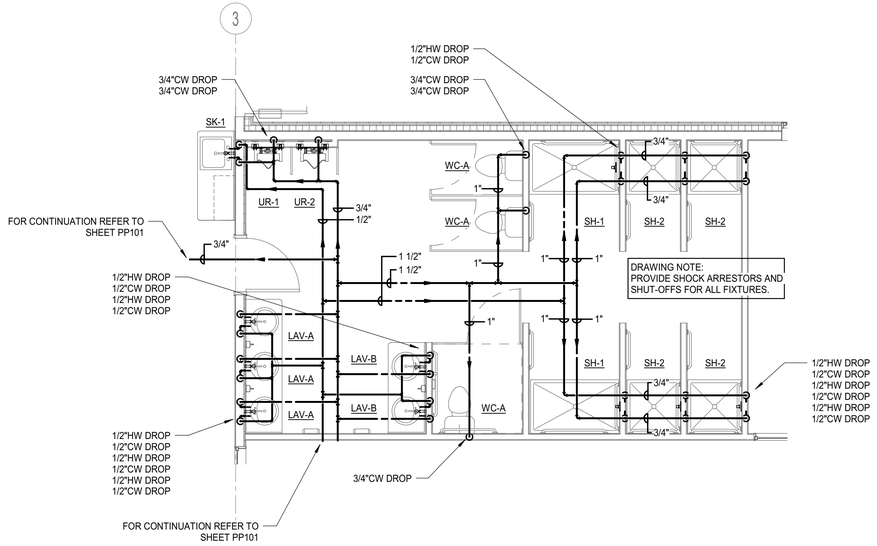
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

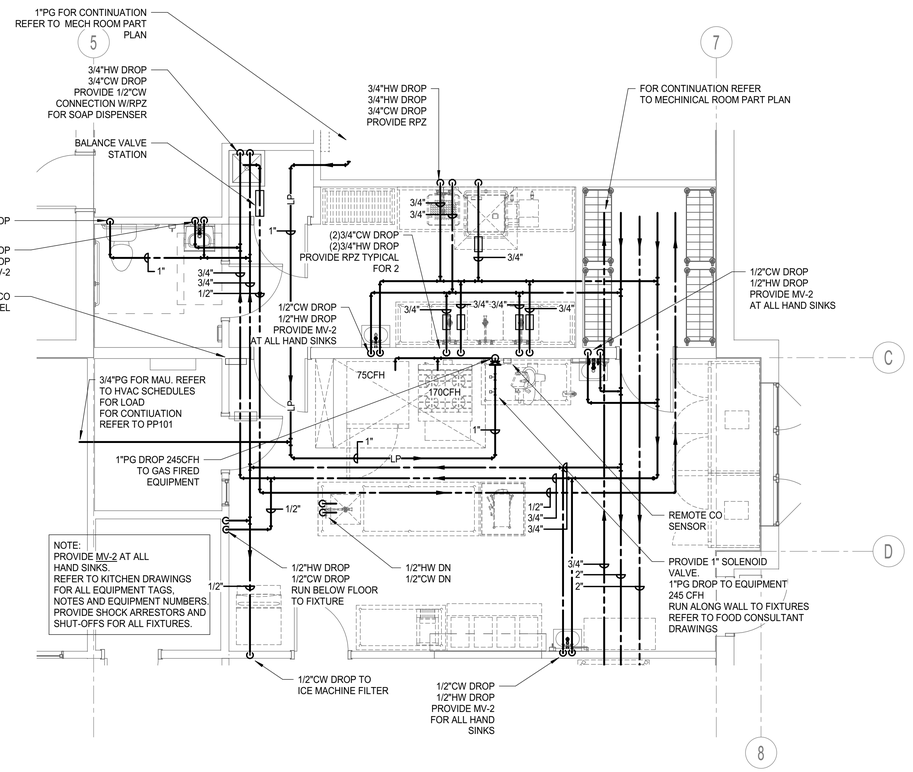
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	PU103-19176	SHEET No.	PU103

24x36



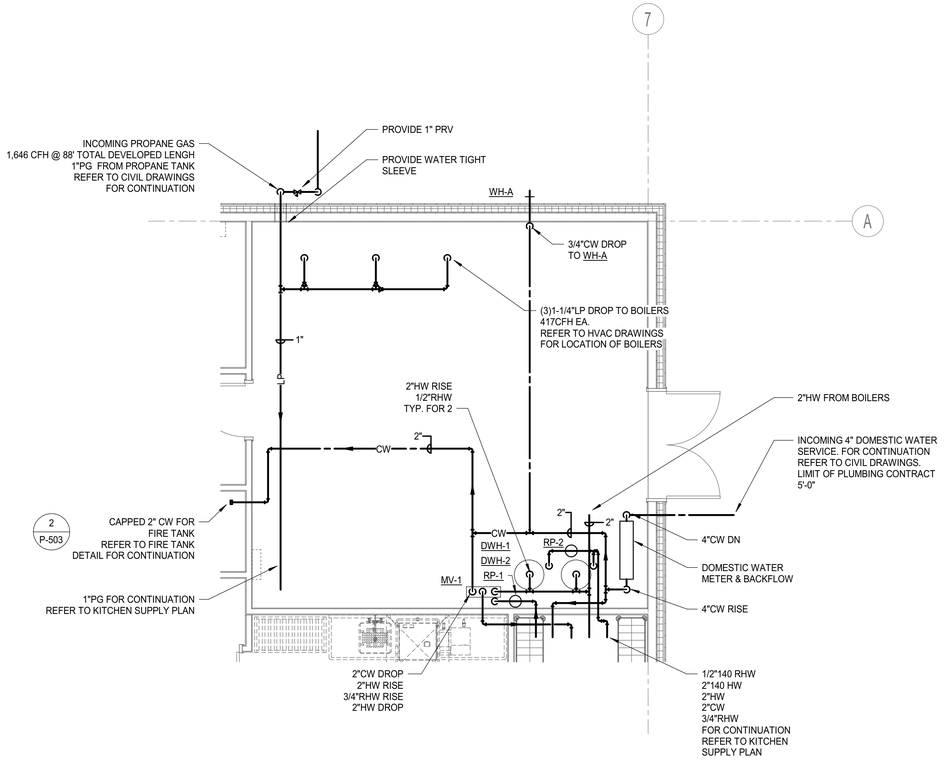
MENS'S RE-ENTRY BUILDING RESTROOM SUPPLY PART PLAN

1/4" = 1'-0" (1)



MENS'S RE-ENTRY BUILDING KITCHEN SUPPLY PLAN

1/4" = 1'-0" (3)



MENS'S RE-ENTRY BUILDING MECH ROOM PART PLAN

1/4" = 1'-0" (2)

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MENS'S RE-ENTRY CENTER -
PART PLANS

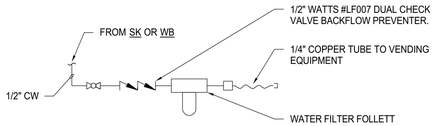
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

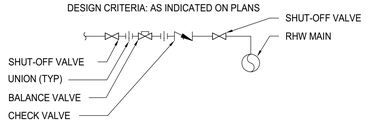
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	P-401-19176	SHEET No.	P-401

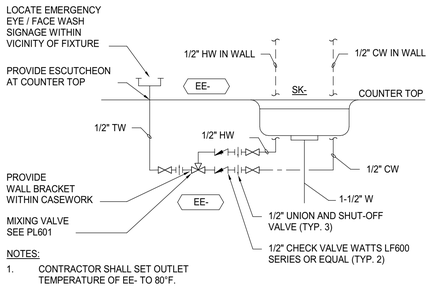
24x36



COFFEE/ICEMAKER CONNECTION DETAIL 4
NOT TO SCALE



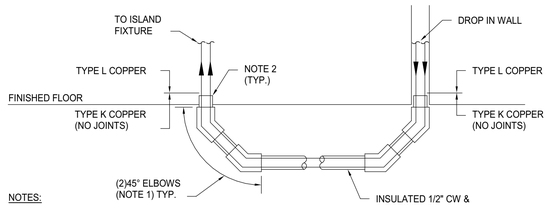
TYPICAL BALANCING STATION DETAIL 5
NOT TO SCALE



NOTES:

1. CONTRACTOR SHALL SET OUTLET TEMPERATURE OF EE- TO 80°F.

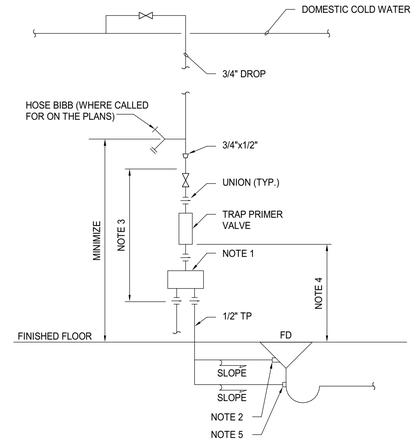
EMERGENCY EYE/FACE WASH COUNTER MOUNTED DETAIL 3
NOT TO SCALE



NOTES:

1. OTHER ACCEPTABLE OPTIONS INCLUDE USING LONG SWEEP ELECTRICAL CONDUIT 90° ELBOW OR TWO PIECE SPLIT 90° ELBOWS, (GEORGE FISCHER "CONTAIN IT" PRODUCT LINE, OR EQUAL).
2. TERMINATE PVC 1" ABOVE FINISHED FLOOR. CAULK ANNULAR SPACE BETWEEN WATER LINE INSULATION AND PVC LIQUID TIGHT.

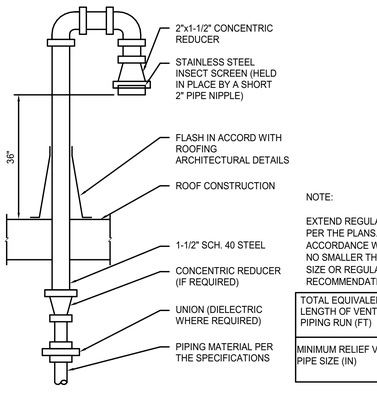
ISLAND SUPPLY PIPING DETAIL 2
NOT TO SCALE



NOTES:

1. FOR MULTIPLE TRAP PRIMER APPLICATION. GROUP PRIMERS TOGETHER WHEREVER POSSIBLE.
2. PROVIDE 3/4"x1/2" THREAD AND SWEAT FITTING WHERE DRAIN BODY REQUIRES.
3. WHERE PIPING DROP IS NOT EXPOSED, PROVIDE ACCESS PANEL.
4. INSTALL VALVE AT A MINIMUM DISTANCE ABOVE THE FLOOR AS REQUIRED BY TRAP PRIMER MANUFACTURER, BUT NO LOWER THAN 1 FOOT AFF FOR EACH 20 FEET OF TRAP PRIMER PIPING.
5. TRAP PRIMER PIPING TO BE INSTALLED BELOW SLAB SLOPED TO DRAIN. PROVIDE A P-TRAP WITH 1/2" PRIMER TAP WHEN FLOOR DRAIN PRIMER PORT IS BURIED WITHIN THE SLAB.

MECHANICAL TRAP PRIMER DETAIL 1
NOT TO SCALE

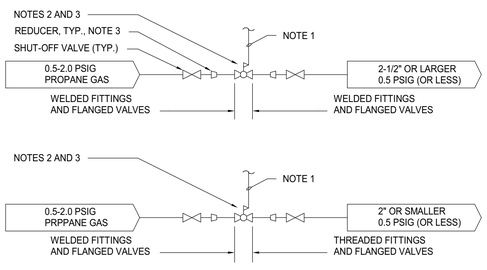


NOTE:

EXTEND REGULATOR VENT PIPING OUT-OF-DOORS PER THE PLANS. VENT PIPE SIZE SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, BUT NO SMALLER THAN THE REGULATOR RELIEF PORT SIZE OR REGULATOR MANUFACTURER RECOMMENDATIONS.

TOTAL EQUIVALENT LENGTH OF VENT PIPING RUN (FT)	0-40	0-100	0-200
MINIMUM RELIEF VENT PIPE SIZE (IN)	3/4"	1"	1-1/2"

GAS VENT THRU ROOF DETAIL 9
NOT TO SCALE



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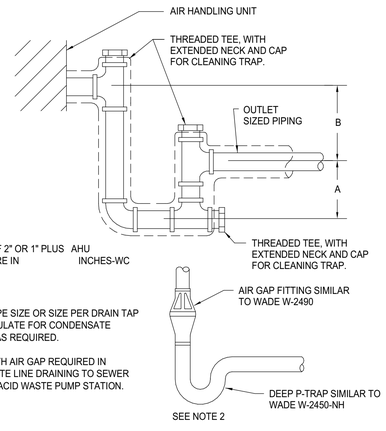
TOTAL EQUIVALENT LENGTH OF VENT PIPING RUN (FT)	0-40	0-100	0-200
MINIMUM RELIEF VENT PIPE SIZE (IN)	3/4"	1"	1-1/2"

2. FLANGED END PRESSURE REGULATORS ARE ACCEPTABLE FOR ALL SIZES. THREADED END REGULATORS ARE ACCEPTABLE FOR 2" AND SMALL SIZES ONLY IF THE THREADED JOINTS ARE FULLY BACK WELDED.
3. REDUCERS AND REGULATOR SIZES ARE PER REGULATOR MANUFACTURER RECOMMENDATIONS.

GAS REGULATOR DETAIL 8
NOT TO SCALE

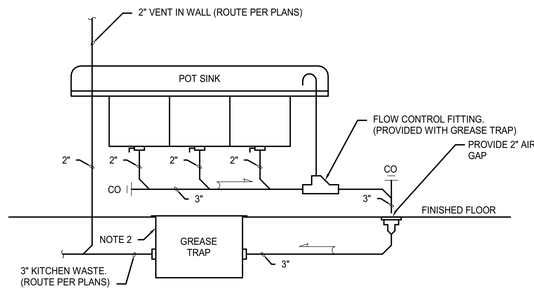


DRAWTHRU
A = 1/2 B
B = GREATER OF 2" OR 1" PLUS TOTAL PRESSURE IN AHU INCHES-WC

NOTES:

1. 1" MIN. PIPE SIZE OR SIZE PER DRAIN TAP IN AHU INSULATE FOR CONDENSATE CONTROL AS REQUIRED.
2. P-TRAP WITH AIR GAP REQUIRED IN CONDENSATE LINE DRAINING TO SEWER VENTS OR ACID WASTE PUMP STATION.

CONDENSATE DRAIN TRAP DETAIL 7
NOT TO SCALE



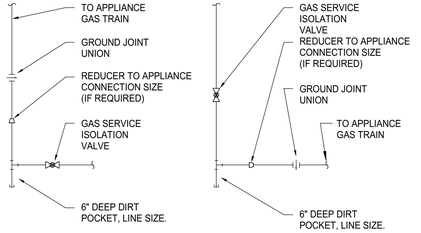
NOTES:

1. TERMINATE AIR INTAKE ABOVE FLOOD RIM LEVEL OF SINK, BEHIND BACKSPLASH. RUN PIPING FULL SIZE OF FLOW CONTROL FITTING TAPPING.
2. PROVIDE EXTENSION COLLAR - LENGTH AS REQUIRED.

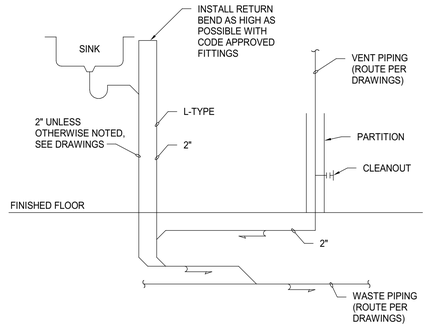
KITCHEN WASTE AT POT SINK DETAIL 6
NOT TO SCALE

NOTE:

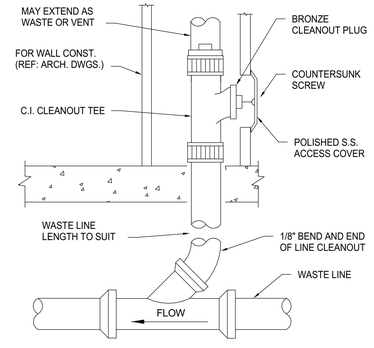
APPLIANCES WITH REGULATORS:
LOCATE PIPING SHOWN HEREIN UPSTREAM OF THE APPLIANCE REGULATOR. PROVIDE A TEST PLUG DOWNSTREAM OF THE APPLIANCE REGULATOR. DO NOT INSTALL ISOLATION VALVES ABOVE CEILINGS OR IN CONFINED AREAS.



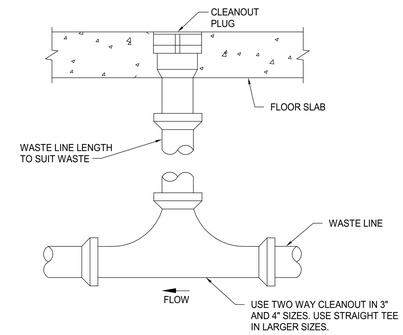
GAS PIPING CONNECTION DETAIL 14
NOT TO SCALE



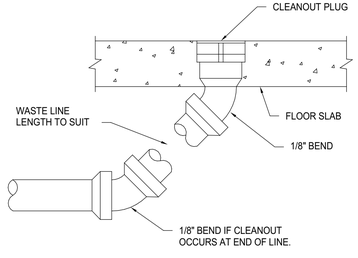
BOW (ISLAND) VENT DETAIL 13
NOT TO SCALE



WALL CLEANOUT DETAIL 12
NOT TO SCALE



2 WAY FLOOR CLEANOUT DETAIL 11
NOT TO SCALE



1 WAY FLOOR CLEANOUT DETAIL 10
NOT TO SCALE

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20
CURRENT ISSUE STATUS:

STATE OF MAINE DAVID R. VASHON No. 6103 LICENSED PROFESSIONAL ENGINEER 08/14/2020

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MACHIASPORT, MAINE

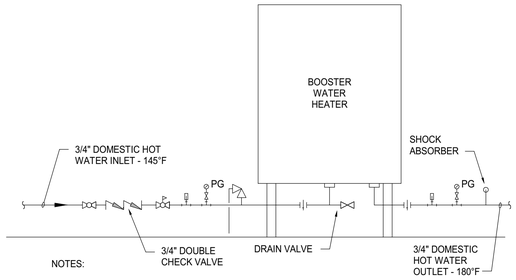
PLUMBING DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	P-501-19176	SHEET No.	P-501

24x36

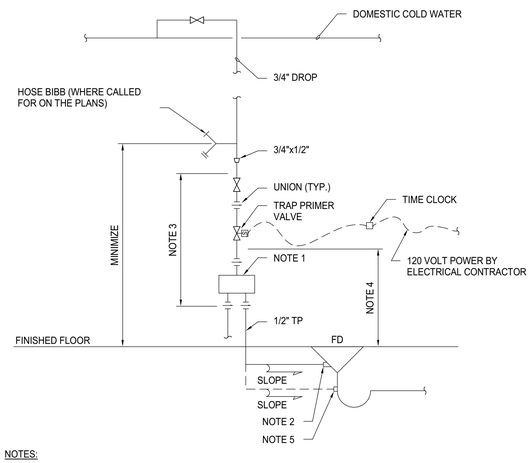


NOTES:

1. BOOSTER HEATER PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR.
2. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PIPE LINE ITEMS INDICATED.

BOOSTER HEATER CONNECTION DETAIL 17

NOT TO SCALE

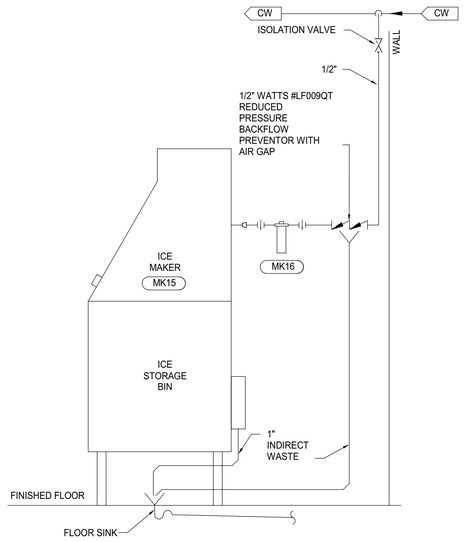


NOTES:

1. FOR MULTIPLE TRAP PRIMER APPLICATION. GROUP PRIMERS TOGETHER WHEREVER POSSIBLE.
2. PROVIDE 3/4"x1/2" THREAD AND SWEAT FITTING WHERE DRAIN BODY REQUIRES.
3. WHERE PIPING DROP IS NOT EXPOSED, PROVIDE ACCESS PANEL.
4. INSTALL VALVE AT A MINIMUM DISTANCE ABOVE THE FLOOR AS REQUIRED BY TRAP PRIMER MANUFACTURER, BUT NO LOWER THAN 1 FOOT AFF FOR EACH 20 FEET OF TRAP PRIMER PIPING.
5. TRAP PRIMER PIPING TO BE INSTALLED BELOW SLAB SLOPED TO DRAIN. PROVIDE A P-TRAP WITH 1/2" PRIMER TAP WHEN FLOOR DRAIN PRIMER PORT IS BURIED WITHIN THE SLAB.

ELECTRIC TRAP PRIMER DETAIL 16

NOT TO SCALE



NOTES:

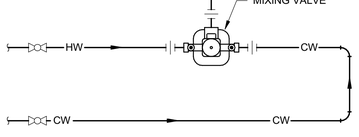
1. ICE MAKER/BIN/FILTER SYSTEM PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR.
2. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PIPE LINE ITEMS INDICATED.

ICE MAKER DETAIL 15

NOT TO SCALE

NOTES:

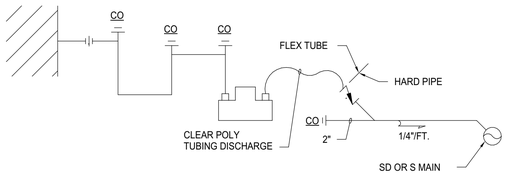
1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.



NOTE: PIPE SIZES AS INDICATED ON DRAWINGS.

SHOWER MIXING VALVE PIPING DETAIL 21

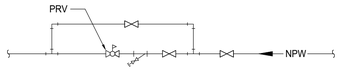
NOT TO SCALE



CONDENSATE PUMP DETAIL 20

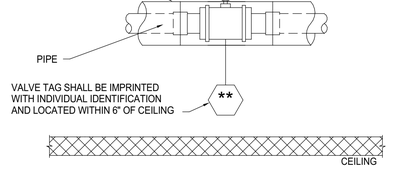
NOT TO SCALE

MAKE-UP SIZE (d)		
TOTAL SYSTEM PUMP FLOW (GPM)	d (INCHES)	PRV. MIN. FLOW (GPM)
UP TO 200	1/2	3
201-500	3/4	5
501-1200	1	10
1201-3000	1-1/4	20
3001-5000	1-1/2	30
5001-12000	2	60



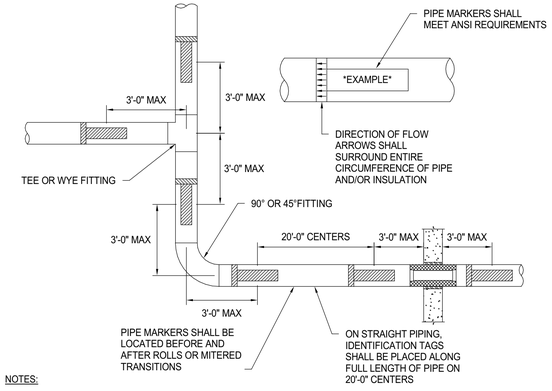
MAKE UP WATER DETAIL 19

NOT TO SCALE



VALVE TAG DETAIL 18

NOT TO SCALE

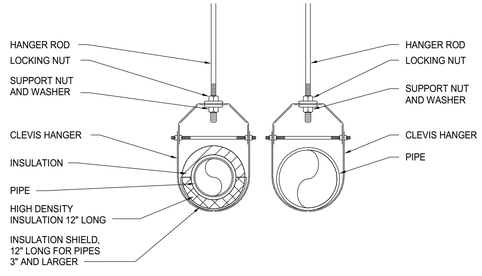


NOTES:

1. IDENTIFICATION PARAMETERS FOR USE IN BOTH PLUMBING AND MECHANICAL PIPING SYSTEMS.
2. CONTRACTOR SHALL PLACE MINIMUM OF ONE TAG PER ROOM OR HALLWAY.
3. SEE DRAWINGS FOR PIPE TYPES.
4. SEE LEGEND AND ABBREVIATIONS FOR MORE INFORMATION.

PIPE IDENTIFICATION DETAIL 24

NOT TO SCALE

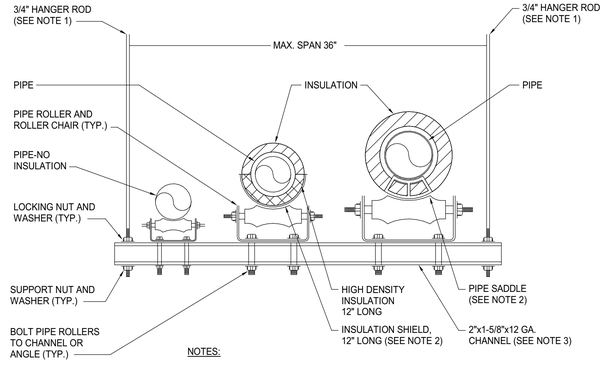


HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE		
	COPPER	STEEL	PP-RCT
UP TO 2"	3/8" DIA.	3/8" DIA.	3/8" DIA.
2 1/2" THRU 3"	1/2" DIA.	1/2" DIA.	1/2" DIA.

HANGER ROD SPACING			
PIPE SIZE	MAX. ALLOWABLE SPACING		
	COPPER	STEEL	PP-RCT
3/4"	5'	7'	2'-8"
1"	6'	7'	2'-8"
1 1/4"	7'	7'	4'
1 1/2"	8'	9'	4'
2"	8'	10'	4'
2 1/2"	9'	11'	4'
3"	10'	12'	4'

CLEVIS PIPE HANGER DETAIL 23

NOT TO SCALE



NOTES:

1. REFER TO "TYPICAL METHOD OF SECURING HANGER RODS DETAIL" FOR ATTACHING HANGERS TO THE STRUCTURE.
2. PROVIDE INSULATION SHIELD OR PIPE SADDLE BASED ON THE PIPING SYSTEM AND PIPE SIZE AS INDICATED IN THE SPECIFICATIONS.
3. TRAPEZE TYPE HANGER SHALL BE USED FOR A MAXIMUM 1000 LB. UNIFORM LOAD.

TRAPEZE HANGER DETAIL 22

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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DAVID R. VASHON
No. 6103
LICENSED
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MACHIASPORT, MAINE

PLUMBING DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	JMW		
SMRT FILE:	P-502-19176	SHEET No.	P-502

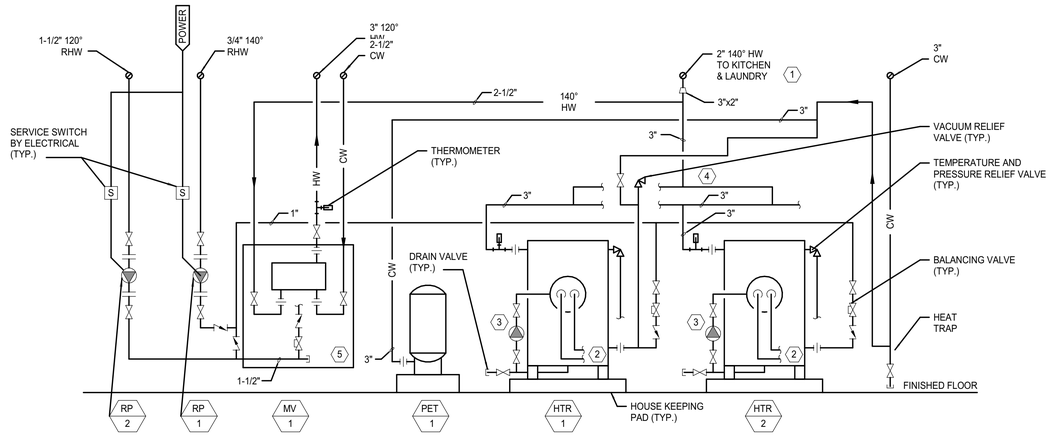
24x36

KEYED NOTES:

1. LOCAL BOOSTER HEATER TO PROVIDE 180° WATER TO DISHWASHER.
2. BOILER WATER SUPPLY AND RETURN (SEE HVAC DRAWING.)
3. INTRA-TANK CIRCULATOR, (FURNISHED WITH HEATER.)
4. COLD WATER & HOT WATER PIPING TO WATER HEATERS SHALL BE EQUALLY SPACED TO PROVIDE A BALANCED FLOW.
5. PIPE THE RECIRCULATED HOT WATER CONNECTION IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR MASTER MIXING EQUIPMENTATION.

EQUIPMENT TAGS

RP	RECIRCULATION PUMP
HTR	DOMESTIC WATER HEATER
PET	PLUMBING EXPANSION TANK
MV	MIXING VALVE

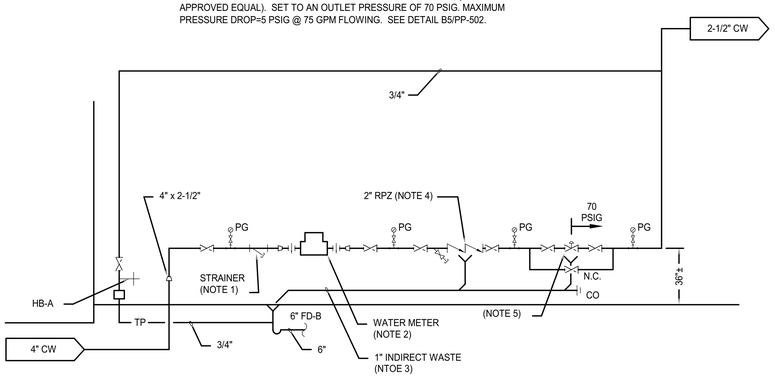


WATER HEATER DETAIL 25

NOT TO SCALE

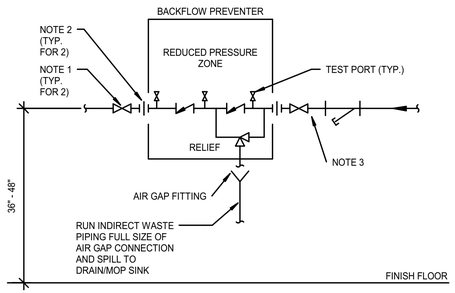
NOTES:

1. PROVIDE STRAINER INTEGRAL WITH METER,UNLESS NOT ALLOWED BY THE AHJ.
2. PROVIDE VALVED BYPASS AROUND METER IF REQUIRED BY AHJ.
3. PIPE IW TO WITHIN 2" OF FLOOR DRAIN AND SPILL.
4. PROVIDE 2-1/2" WATTS #909OSY-S-FDA RPZ. PIPE VENT TO 2" ABOVE FLOOR DRAIN AND SPILL. SEE DETAIL B2/PL501.
5. PROVIDE 2-1/2" WATTS #N223-BS PRESSURE REDUCING VALVE, (OR APPROVED EQUAL). SET TO AN OUTLET PRESSURE OF 70 PSIG. MAXIMUM PRESSURE DROP=5 PSIG @ 75 GPM FLOWING. SEE DETAIL B5/PP-502.



WATER HEATER SERVICE ENTRANCE DETAIL 28

NOT TO SCALE

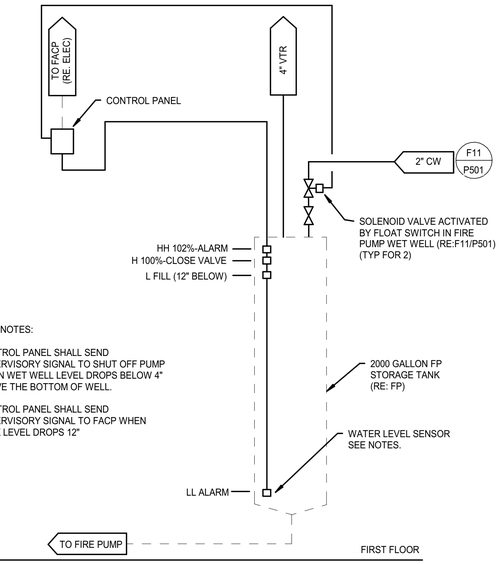


NOTES:

1. SHUT-OFF VALVE PROVIDED WITH DEVICE, BALL OR GATE STYLE.
2. FOR NON-FLANGED DEVICES, DISASSEMBLE AND INSTALL UNIONS WHERE SHOWN.
3. PROVIDE 3/4" BALL VALVE AND MALE HOSE THREAD END FOR STRAINERS 2-1/2" AND LARGER. STRAINER NOT REQUIRED FOR UNITS INSTALLED IMMEDIATELY DOWNSTREAM OF METERS WHICH INCORPORATE STRAINERS.
4. PROVIDE A MINIMUM CLEARANCE OF 12" BEHIND DEVICE. PROVIDE 36" CLEAR FLOOR SPACE IN FRONT OF DEVICE, FOR ACCESS AND TESTING.
5. SUPPORT DEVICE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SUPPORTS SHALL IN NO MANNER INTERFERE WITH THE OPERATION, TESTING AND SERVICING OF THE DEVICE, INCLUDING THE RELIEF VALVE AND DRAIN. AT A MINIMUM, SUPPORTS SHALL CONSIST OF:
   - -(2) FLOOR SUPPORTED PIPE STANDS OR WALL MOUNT STRUT WITH ANGLE BRACES FOR DEVICES 2-1/2" AND LARGER.
   - (2) SPLIT RING TYPE, WALL MOUNT PIPE CLAMP ASSEMBLIES FOR DEVICES 2" AND SMALLER.

RPZ DETAIL 27

NOT TO SCALE



NOTES:

CONTROL PANEL SHALL SEND SUPERVISORY SIGNAL TO SHUT OFF PUMP WHEN WET WELL LEVEL DROPS BELOW 4" ABOVE THE BOTTOM OF WELL.

CONTROL PANEL SHALL SEND SUPERVISORY SIGNAL TO FACP WHEN TANK LEVEL DROPS 12"

CONTROL PANEL

CERUS / FRANKLIN CONTROLS #C4/CRLXXXXXX-D-31 (120V/1/60)

- 4 FLOAT PANEL LOW / FILL / HIGH / OVERFLOW
- LEVEL CONTACTS TO CUSTOMER SCADA SYSTEM
- POWER ON INDICATE LIGHT
- LOW / FILL / HIGH / OVERFLOW INDICATOR LIGHTS
- NEMA 4 ENCLOSURE

FLOATS

FRANKLIN ELECTRIC #599321 WIDE ACTION FLOAT SWITCHES.

FIRE PROTECTION FILL TANK DETAIL 26

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE DAVID R. VASHON No. 6103 LICENSED PROFESSIONAL ENGINEER 08-14-2020

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MACHIASPORT, MAINE

PLUMBING DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		P-503
DRAWN BY:	JMW		
SMRT FILE:	P-503-19176	SHEET No.	

24x36

WATER HEATER SCHEDULE

TAG	LOCATION	FUEL	BOILER INPUT	RECOVERY RATE GPH 40 - 140 F	STORAGE TANK SIZE/GAL.	ELECTRICAL DATA		INLET/OUTLET	OPERATING WEIGHT(lbs.)	TYPICAL UNIT MFG AND MODEL NO.	NOTES:
						Hz	VOLTS/PH				
DWH-1	MECHANICAL ROOM	INDIRECT	40 GPM	950	119	60	120/1	2"	-	PVI 1900-L-150A-QWD	1
DWH-2	MECHANICAL ROOM	INDIRECT	40 GPM	950	119	60	120/1	2"	-	PVI 1900-L-150A-QWD	1

NOTES: 1. PROVIDE DOUBLE-WALL PLATE AND FRAME HEAT EXCHANGER. PROVIDE 2-WAY BOILER WATER CONTROL VALVE. PROVIDE CONTACTS FOR REMOTE START/STOP AND MONITORING FROM BAS. BOILER WATER TEMPERATURE IS 160 DEG. F ENTERING AND 120 DEG. F LEAVING.

MIXING VALVE SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER & MODEL NUMBER	MIN. FLOW (GP...	DESIGN FLOW (GPM)	OUTLET TEMP. SET POINT DEG. F	MAX. PRESS. DROP @ DESIGN FLOW (PSI)	INLETS (IN)	OUTLETS (IN)	TYPICAL UNIT MFG AND MODEL NO.	NOTES:
MV-1	MECHANICAL ROOM	DOM. HOT WATER	LEONARD NV-150-LF	0.5	72	140	10	1.5"	1.5"	LEONARD	1,2
MV-2	ALL HAND SINKS	POINT OF USE	WATTS	0.5	-	120	-	1/2"	1/2"	WATTS	-

NOTES: 1. CENTRAL WATER HEATING APPLICATION
2. 3/4" RHW CONNECTION AS WELL AS HW AND CW

PLUMBING PUMP SCHEDULE

TAG	LOCATION	SERVICE	GPM	HD(FT.)	ELECTRICAL DATA				TYPICAL UNIT MFG AND MODEL NO.	NOTES:
					HP	RPM	VOLTS/ PH	AMP		
RP-1	MECHANICAL ROOM	DOMESTIC HW 120 DEG. F	5	10	1/25	3250	120/1	<3	TACO 0011-SF3	1
RP-2	MECHANICAL ROOM	DOMESTIC HW 140 DEG. F	5	10	1/25	3250	120/1	<3	TACO 0011-SF3	1

NOTES: 1. ALL BRONZE OR STAINLESS STEEL CONSTRUCTION

EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVED	ACCEPT. GAL.	DIA (IN.)	HEIGHT (IN.)	MAX OPERATING TEMP (DEGREES)	TYPICAL UNIT MFG AND MODEL NO.	NOTES:
PET-1	MECHANICAL ROOM	DOMESTIC HOT WATER	11	16"	45"	200	AMTROL THERM-X-TROL ST-70VC	1

NOTES: 1. PROVIDE ASME RATED SHELL AND NSF RATED BLADDER

PLUMBING SPECIALTIES SCHEDULE

TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES
GI-A	GREASE INTERCEPTOR	SCHIRER GB-75	75-GPM, 86-LB. GREASE CAPACITY, ACID RESISTANT COATED STEEL, EXTENSION, ANCHOR FLANGE	1

NOTES: 1. PROVIDE WITH 4" INLET/OUTLET

PLUMBING SPECIALTIES SCHEDULE

TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES
GI-A	GREASE INTERCEPTOR	SCHIRER GB-75	75-GPM, 86-LB. GREASE CAPACITY, ACID RESISTANT COATED STEEL, EXTENSION, ANCHOR FLANGE	1

NOTES: 1. PROVIDE WITH 4" INLET/OUTLET

SHOCK ABSORBER SCHEDULE

TYPE	FIXTURE UNIT RATING	BASIS OF DESIGN	
		MANUF.	FIGURE NO.
A'	1-10	ZURN	100
B'	12-32	ZURN	200
C'	33-60	ZURN	300
D'	61-113	ZURN	400
E'	114-154	ZURN	500
F'	155-330	ZURN	600

NOTES:

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	BRANCH SIZES				NOTES
		CW	HW	VENT	WASTE	
WC-A	ADA WATER CLOSET, OFFENDER	1"	-	2"	4"	
WC-1	ADA WATER CLOSET, STAFF	1"	-	2"	4"	
WC-2	WATER CLOSET, STAFF	1"	-	2"	4"	
UR-1	ADA URINAL, OFFENDER	3/4"	-	2"	2"	
UR-2	URINAL, OFFENDER	3/4"	-	2"	2"	
LAV-A	ADA LAVATORY, WALL HUNG - OFFENDER	1/2"	1/2"	2"	2"	
LAV-B	ADA LAVATORY, WALL HUNG - OFFENDER	1/2"	1/2"	2"	2"	
LAV-1	LAVATORY, WALL HUNG - STAFF	1/2"	1/2"	2"	2"	
LAV-B	ADA LAVATORY, WALL HUNG - STAFF	1/2"	1/2"	2"	2"	
SK-1	SINK, COUNTER MOUNTED BREAK ROOM	1/2"	1/2"	2"	2"	
SK-2	SINK, COUNTER MOUNTED GENERAL PURPOSE	1/2"	1/2"	2"	2"	
SH-1	ADA SHOWER, OFFENDER	1/2"	1/2"	2"	2"	
SH-2	SHOWER, OFFENDER	1/2"	1/2"	2"	2"	
SH-3	SHOWER, STAFF	1/2"	1/2"	2"	2"	
MR-A	MOP SERVICE BASIN - OFFENDER	3/4"	3/4"	2"	3"	
SS-A	SERVICE SINK - STAFF	3/4"	3/4"	2"	2"	
HB-A	HOSE BIBB (INTERIOR)	3/4"	-	-	-	
WH-A	WALL HYDRANT	3/4"	-	-	-	
WB-A	ICEMAKER WALL BOX	1/2"	-	-	-	
EWC-2	ELECTRIC WATER COOLER	1/2"	-	2"	1-1/2"	
FD-A	FLOOR DRAIN, UNFINISHED EQUIPMENT SPACES	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FD-B	FLOOR DRAIN, KITCHEN	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FD-C	FLOOR DRAIN, FINISHED SPACES	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FD-D	FLOOR DRAIN, OFENDER FINISHED SPACES	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FD-E	LAUNDRY TRENCH - 4"	-	-	2"	4"	ROOF DRAIN - LAUNDRY APPLICATION. W/ TRAP PRIMER CONNECTION. BRONZE DOME AND BRONZE MESH SCREEN.
FS-A	FLOOR SINK, KITCHEN 1/2 GRATE	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FS-B	FLOOR SINK, KITCHEN FULL GRATE	-	-	2"	3" OR 4"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE
FT-A	FLOOR TROUGH, CART WASH TRENCH	-	-	2"	3"	W/ TRAP PRIMER CONNECTION. REFER TO DRAWINGS FOR WASTE CONNECTION SIZE

NOTES:

NOTES:

1. SEE SHEET PL001 FOR LEGEND AND ABBREVIATIONS.

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PLUMBING SCHEDULES

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

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A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		P-601
DRAWN BY:	JMW		
SMRT FILE:	P-601-19176	SHEET No.	

24x36

AIR DISTRIBUTION SYMBOLS

- 12x16 — RECTANGULAR DUCT. (FIRST NUMBER IS SIDE SHOWN) DIMENSIONS IN INCHES
- 12" Ø — 12 INCH ROUND DUCT
- MOTORIZED DAMPER
- FLEXIBLE DUCT
- DUCT FLEXIBLE CONNECTOR (FC)
- D R — DUCT DROPS AND RISES IN DIRECTION OF AIR FLOW
- RETURN DUCT TURNED UP OR DOWN (DASHED)
- SUPPLY DUCT TURNED UP OR DOWN (DASHED)
- EXHAUST DUCT TURNED UP OR DOWN (DASHED)
- ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA)
- ROUND DUCT ELBOW DOWN
- ROUND DUCT ELBOW UP
- TRANSITION
- CAP (DUCT AND/OR PIPE)
- INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.
- EA — EXHAUST AIR
- RA — RETURN AIR
- SA — SUPPLY AIR
- VOLUME DAMPER
- F — FIRE DAMPER
- S — SMOKE DAMPER
- C — COMBINATION FIRE/SMOKE DAMPER
- RECTANGULAR ELBOW W/TURNING VANES
- DIRECTION OF AIR FLOW (IN)
- DIRECTION OF AIR FLOW (OUT)
- H — HUMIDISTAT OR HUMIDITY SENSOR
- T — THERMOSTAT (T'STAT) OR TEMP. SENSOR
- SD — SMOKE DETECTOR
- S-3 / 300 / TYP. 3 — AIR TERMINAL I.D. / DIFFUSER, REGISTER OR GRILLE TAG / CFM AIR FLOW / QUANTITY

PIPING SYMBOLS

- UNION
- FLANGE
- PIPE ANCHOR
- PIPE GUIDE OR SLEEVE
- PIPE ELBOW TURNED DOWN
- PIPE ELBOW TURNED UP
- PIPING TEE-DOWN
- PIPING TEE-UP
- PIPE RISER
- PIPE PITCHES DOWN
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE (MANUAL)
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- BALANCING VALVE (CIRCUIT SETTER)
- CHECK VALVE
- PLUG VALVE
- GLOBE VALVE
- NEEDLE VALVE
- BACKFLOW PREVENTER
- S — SOLENOID VALVE
- PRESSURE REGULATING VALVE
- PRESSURE RELIEF VALVE
- STRAINER
- STRAINER W/ BLOWDOWN
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- TS — VALVE WITH TAMPER SWITCH
- PG — PRESSURE GAUGE AND COCK
- THERMOMETER AND WELL
- TEMPERATURE AND PRESSURE TAP (PETE'S PLUG)
- HOSE END DRAIN VALVE WITH CAP
- ORIFICE FLOWMETER
- FLEXIBLE CONNECTOR
- EXPANSION JOINT
- F&T — STEAM TRAP (FLOAT AND THERMOSTATIC INDICATED T.T. THERMOSTAT, B.T. BUCKET TRAP, T.D. THERMODYNAMIC TRAP)
- CONCENTRIC REDUCER/INCREASER
- ECCENTRIC REDUCER/INCREASER
- DIRECTION OF FLOW
- PUMP
- FINNED TUBE BASEBOARD
- HUMIDIFIER
- DP — DIFFERENTIAL PRESSURE TRANSMITTER
- FTR-1 / 10'-0" / 2 GPM — FINNED TUBE I.D. / FINNED TUBE RADIATION TAG / LENGTH OF FINNED ELEMENT / FLOW

GENERAL SYMBOLS

- A1 / MH401 — DETAIL I.D. / DETAIL TAG / SHEET NO. WHERE DETAIL IS LOCATED
- 1 — KEYED NOTE
- EF-1 — MECHANICAL EQUIPMENT TAG
- LIMIT OF DEMOLITION
- CONNECTION OF NEW WORK TO EXISTING

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
ACC	AIR COOLED CONDENSER
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AE	ACID EXHAUST
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL
AV	AIR VENT
BB	BASEBOARD
BDD	BACKDRAFT DAMPER
BG	BLAST GATE
BLDG	BUILDING
B	BOILER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CBD	COUNTER BALANCED DAMPER
CD	CEILING DIFFUSER
CFF	CAPPED FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONT	CONTINUATION
COORD	COORDINATION
CT	COOLING TOWER
CTE	CONNECT TO EXISTING
CU	COPPER
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
CW	COLD WATER
DC	DOUBLE CONTAINED
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DH	DISHWASHER HOOD
DIC	DOWN IN CHASE
DIW	DOWN IN WALL
DN	DOWN
DT	DROP AND TRANSITION
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
EA	EXHAUST AIR
EF	EXHAUST FAN
ENC	ENCLOSURE
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ER	EXHAUST REGISTER
ET	EXPANSION TANK
(E)	EXISTING
EXIST.	EXISTING
FBO	FURNISHED BY OWNER
FBP	FACE AND BYPASS
FC	FLEXIBLE CONNECTOR
FD	FIRE DAMPER
FG	FIBERGLASS
F&T	FLOAT AND THERMOSTATIC
FO	FLAT OVAL
FTR	FINNED TUBE RADIATION
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
H	HUMIDIFIER
HB	HOSE BIBB
HRU	HEAT RECOVERY UNIT
HTR	HEATER
H & V	HEATING AND VENTILATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HX	HEAT EXCHANGER
IN WG	INCHES WATER GAUGE
KH	KITCHEN HOOD
MAU	MAKEUP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU/HR
MD	MOTORIZED DAMPER
ME	MECHANICAL ENGINEER
MFR	MANUFACTURER
MIN	MINIMUM
MPV	MULTI-PURPOSE VALVE
MTD	MOUNTED
MUA	MAKE UP AIR
L	LOUVER
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OED	OPEN ENDED DUCT
PAE	PROCESS ACID EXHAUST
PHE	PROCESS HEAT EXHAUST
PSE	PROCESS SOLVENT EXHAUST
PP	POLY-PROPYLENE
PPE	PREPURCHASED EQUIPMENT
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PVD	PNEUMATIC VOLUME DAMPER
P	PUMP
(R)	REMOVE
RA	RETURN AIR
(REL.)	RELOCATED
RF	RETURN FAN
RG	RETURN GRILLE
RHC	REHEAT COIL
RM	ROOM
RR	RETURN REGISTER
RV	RELIEF VALVE
SA	SUPPLY AIR
SCV	SELF CONTAINED VALVE
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
SS	STAINLESS STEEL
TE	TEMPERATURIZED ELEMENT (SENSOR)
TG	TRANSFER GRILLE
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TTS	TIGHT TO STEEL
TV	TURNING VANE(S)
TYP	TYPICAL
UH	UNIT HEATER
UIC	UP IN CHASE
UIW	UP IN WALL
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME BOX
VB	VACUUM BREAKER
VCFF	VALVED AND CAPPED FOR FUTURE
VD	MANUAL VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VOC	VOLITILE ORGANIC COMPOUND
VTR	VENT THROUGH ROOF
W/	WITH

PIPING -SYSTEMS

CD	CONDENSATE DRAIN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
DB	DISTRIBUTION VALVE BOX
FCS	FREE COOLING SUPPLY
FCR	FREE COOLING RETURN
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
GCR	GRAVITY STEAM CONDENSATE RETURN
GLY	GLYCOL
HCR	HOT/CHILLED WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HG	HOT GAS
HPS	HIGH PRESSURE STEAM
HPR	HIGH PRESSURE CONDENSATE RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
LPS	LOW PRESSURE STEAM
LPR	LOW PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MPR	MEDIUM PRESSURE RETURN
NPW	NON POTABLE COLD WATER
PCWR	PROCESS COOLING WATER RETURN
PC	PUMPED STEAM CONDENSATE
PD	PUMPED DISCHARGE
PW	POTABLE WATER
R	RELIEF LINE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
TWS	TEMPERED CHILLED WATER SUPPLY
TWR	TEMPERED CHILLED WATER RETURN
ZB	ZONE VALVE BOX

GENERAL NOTE:

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL MECHANICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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MACHIASPORT, MAINE

MECHANICAL LEGEND AND ABBREVIATIONS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	M-001-19176	SHEET No.	M-001

24x36

RD &G DUCT RUNOUT SIZE SCHEDULE

DUCT SIZE ROUND	DUCT SIZE RECTANGULAR	CFM RANGE
4"Ø.	-	TYPICALLY NOT USED
6"Ø	6"x6" OR 8"x4"	0 ≤ CFM ≤ 100
8"Ø	8"x8" or 10"x6"	105 ≤ CFM ≤ 215
10"Ø	10"x10" or 12"x8"	220 ≤ CFM ≤ 385
12"Ø	12"x12" or 14"x10"	390 ≤ CFM ≤ 620
14"Ø	14"x12" or 18"x10"	625 ≤ CFM ≤ 950
16"Ø	16"x14" or 20"x12"	955 ≤ CFM ≤ 1330
18"Ø	18"x16" or 20"x14"	1335 ≤ CFM ≤ 1810

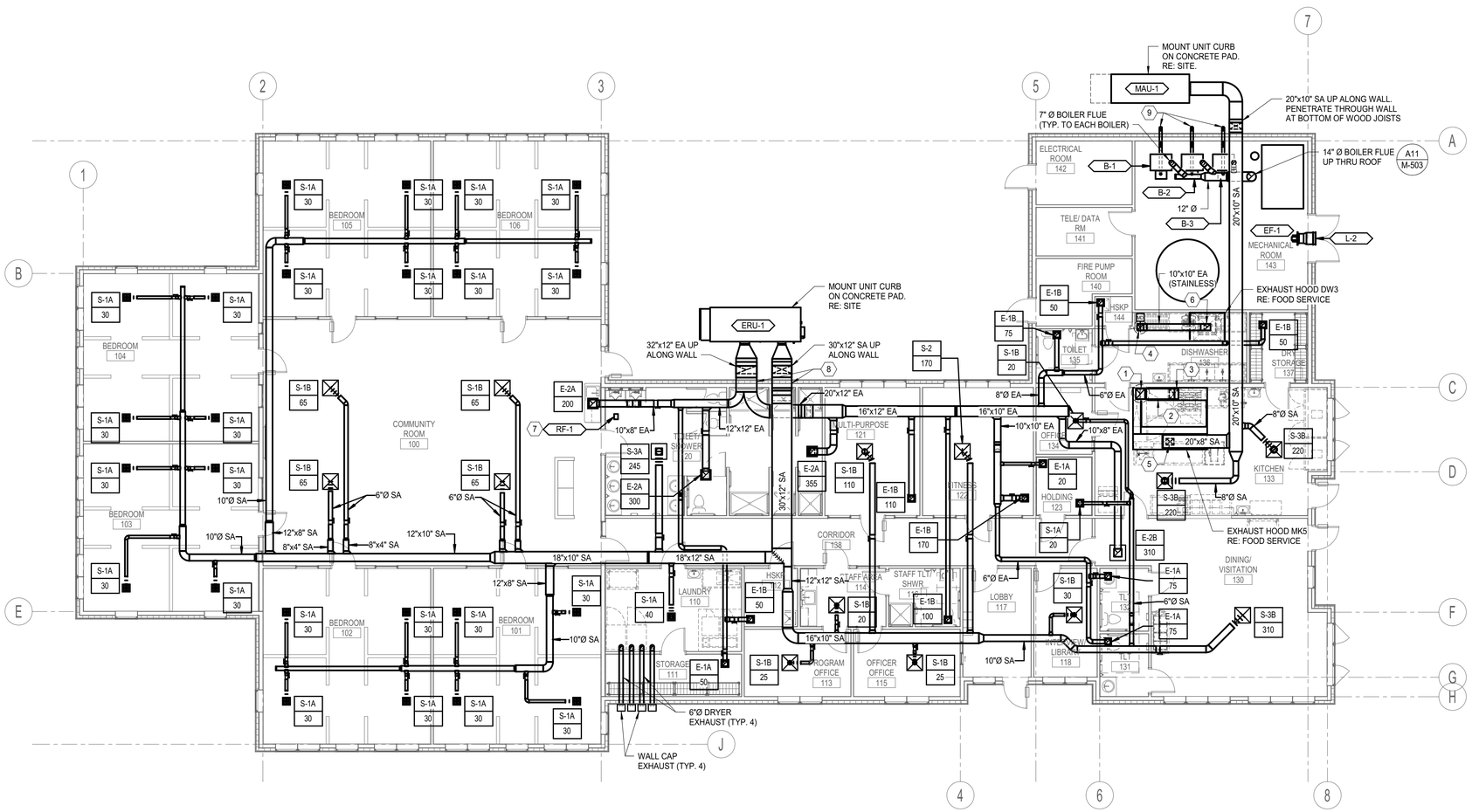
NOTES:
1. DUCT RUNOUT SIZE TO AIR TERMINALS UNLESS NOTED OTHERWISE IN DOCUMENTS.

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.
2. PROVIDE VOLUME DAMPERS AT EACH BRANCH FROM MAIN DUCTWORK AND DUCT RUN OUTS. PROVIDE OPPOSED BLADE DAMPERS AT EACH NECK TO AN INDIVIDUAL REGISTER OR DIFFUSER IN SUPPLY, RETURN AND EXHAUST DUCTS IRRESPECTIVE OF WETHER OR NOT A DAMPER IS INDICATED ON THE PLANS. PROVIDE CABLE OPERATED REMOTE CONTROLLED VOLUME DAMPERS IN BRANCH DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE CABLE TERMINATION IN ACCESSIBLE LOCATION ABOVE ACCESSIBLE CEILING. PROVIDE BLOCKING AS REQUIRED.
3. SMOKE DETECTORS SHALL BE INSTALLED AT CENTER OF DUCT OR AS INDICATED BY THE MANUFACTURER'S EXPLICITLY WRITTEN INSTRUCTIONS. LOCATE SMOKE DETECTORS IN AN ACCESSIBLE LOCATION AND PRIOR TO THE FIRST DUCT TAKE-OFF FOR MAINTENANCE & TESTING. THE CEILING GRID SHALL BE LABELED TO INDICATE ITS LOCATION.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	16"x14" GREASE DUCT UP TO EF-2 ON ROOF.
2	16"x14" KITCHEN HOOD EXHAUST DUCTWORK SHALL BE WELDED BLACK IRON AND HAVE 2 LAYERS OF 1-1/2" HIGH TEMPERATURE ZERO CLEARANCE FIRE WRAP INSTALLED PER MANUFACTURERS RECOMMENDATIONS. PROVIDE CLEANOUT AT EVERY CHANGE IN DIRECTION.
3	12"x9" EA DOWN TO KITCHEN HOOD. PROVIDE REQUIRED TRANSITION FOR FINAL CONNECTION. COORDINATE DUCTWORK WITH ROOF FRAMING. RE:STRUCTURAL.
4	10"x10" STAINLESS STEEL EXHAUST DUCT UP TO EF-3 ON ROOF.
5	12"x10" SA DOWN TO KITCHEN HOOD. PROVIDE REQUIRED TRANSITION FOR FINAL CONNECTION.
6	8"x8" STAINLESS STEEL EXHAUST DUCT DOWN TO DISHWASHER EXHAUST HOOD. PROVIDE REQUIRED TRANSITION FOR FINAL CONNECTION.
7	RADON EXHAUST FAN (ABOVE CEILING). INSTALL IN PVC VENT PIPE. RE: PLUMBING.
8	SUPPLY AND EXHAUST DUCTS THRU WALL AND INTO CEILING SPACE. RE: ARCHITECTURAL.
9	4" DIA. PVC COMBUSTION AIR INTAKE 7'-0" ABOVE FINISH GRADE WITH DOWN TURNED ELBOW. CONNECT TO AIR INLET BOX PROVIDED WITH BOILER (TYP. FOR EACH BOILER).



MENS'S REENTRY BUILDING HVAC DUCTWORK PLAN A1
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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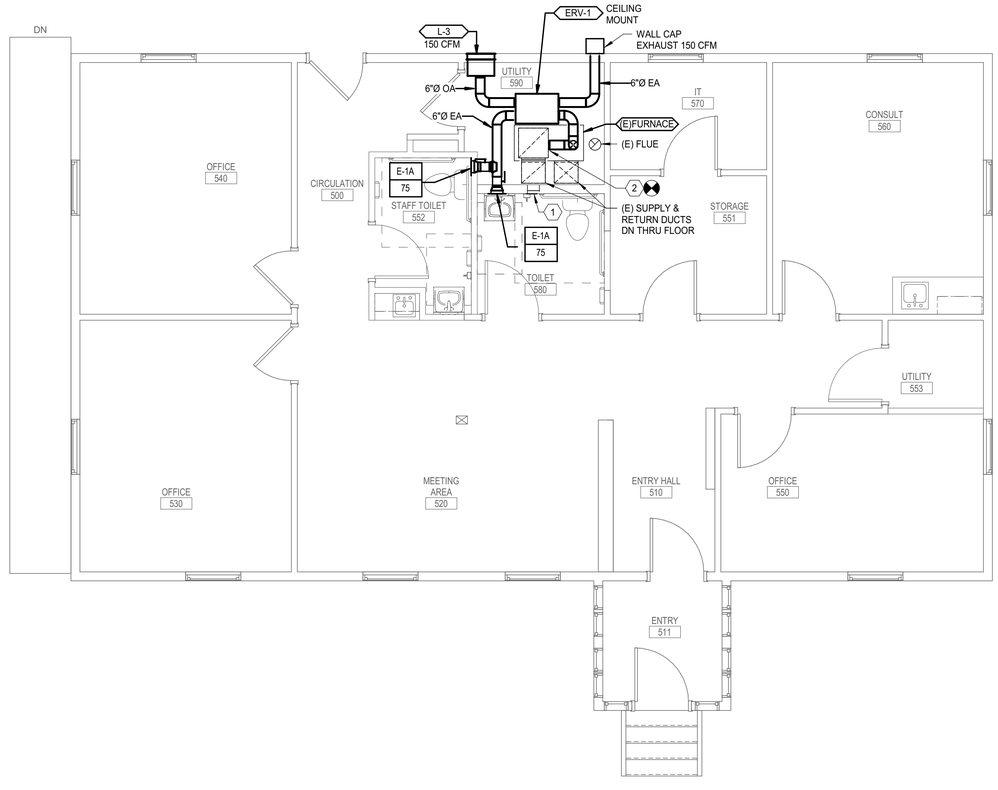
MEN'S REENTRY CENTER - HVAC DUCTWORK PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		MH101
DRAWN BY:	KPB		
SMRT FILE:	MH101-19176	SHEET No.	

24x36



ADMIN BUILDING HVAC DUCTWORK PLAN (A1)

1/4" = 1'-0"

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.
2. PROVIDE VOLUME DAMPERS AT EACH BRANCH FROM MAIN DUCTWORK AND DUCT RUN OUTS. PROVIDE OPPOSED BLADE DAMPERS AT EACH NECK TO AN INDIVIDUAL REGISTER OR DIFFUSER IN SUPPLY, RETURN AND EXHAUST DUCTS IRRESPECTIVE OF WETHER OR NOT A DAMPER IS INDICATED ON THE PLANS. PROVIDE CABLE OPERATED REMOTE CONTROLLED VOLUME DAMPERS IN BRANCH DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE CABLE TERMINATION IN ACCESSIBLE LOCATION ABOVE ACCESSIBLE CEILING. PROVIDE BLOCKING AS REQUIRED.
3. SMOKE DETECTORS SHALL BE INSTALLED AT CENTER OF DUCT OR AS INDICATED BY THE MANUFACTURER'S EXPLICITLY WRITTEN INSTRUCTIONS. LOCATE SMOKE DETECTORS IN AN ACCESSIBLE LOCATION AND PRIOR TO THE FIRST DUCT TAKE-OFF FOR MAINTENANCE & TESTING. THE CEILING GRID SHALL BE LABELED TO INDICATE ITS LOCATION.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	REMOVE RETURN GRILLE AND ASSOCIATED DUCT THRU WALL. PATCH AND SEAL DUCT TRUNK.
2	CONNECT 6" DIA SUPPLY TO EXISTING SUPPLY DUCT PLENUM AT TOP OF FURNACE.

REV	DESCRIPTION	DATE
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ISSUED FOR CONSTRUCTION
08-14-20

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ADMIN BUILDING - HVAC DUCTWORK PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	MH102-19176	SHEET No.	MH102

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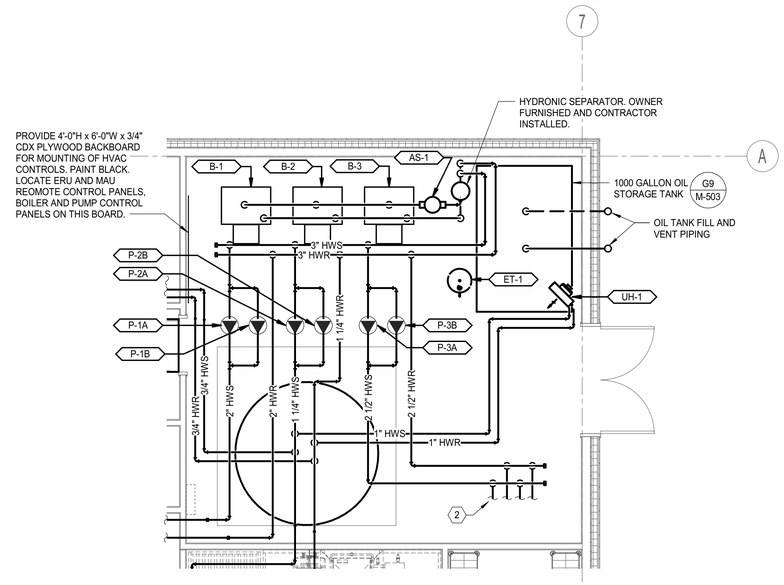


MENS'S RE-ENTRY BUILDING MECHANICAL ROOM PART PLAN - PIPING G5

1/4" = 1'-0"

HYDRONIC PIPE RUNOUT SIZE SCHEDULE

PIPE SIZE	MAX GPM
3/4"	4
1"	7.5
1-1/4"	15
1-1/2"	25
2"	45
2-1/2"	75
3"	140
4"	290

NOTES:
1. PIPE SIZE UNLESS NOTED OTHERWISE IN DOCUMENTS.

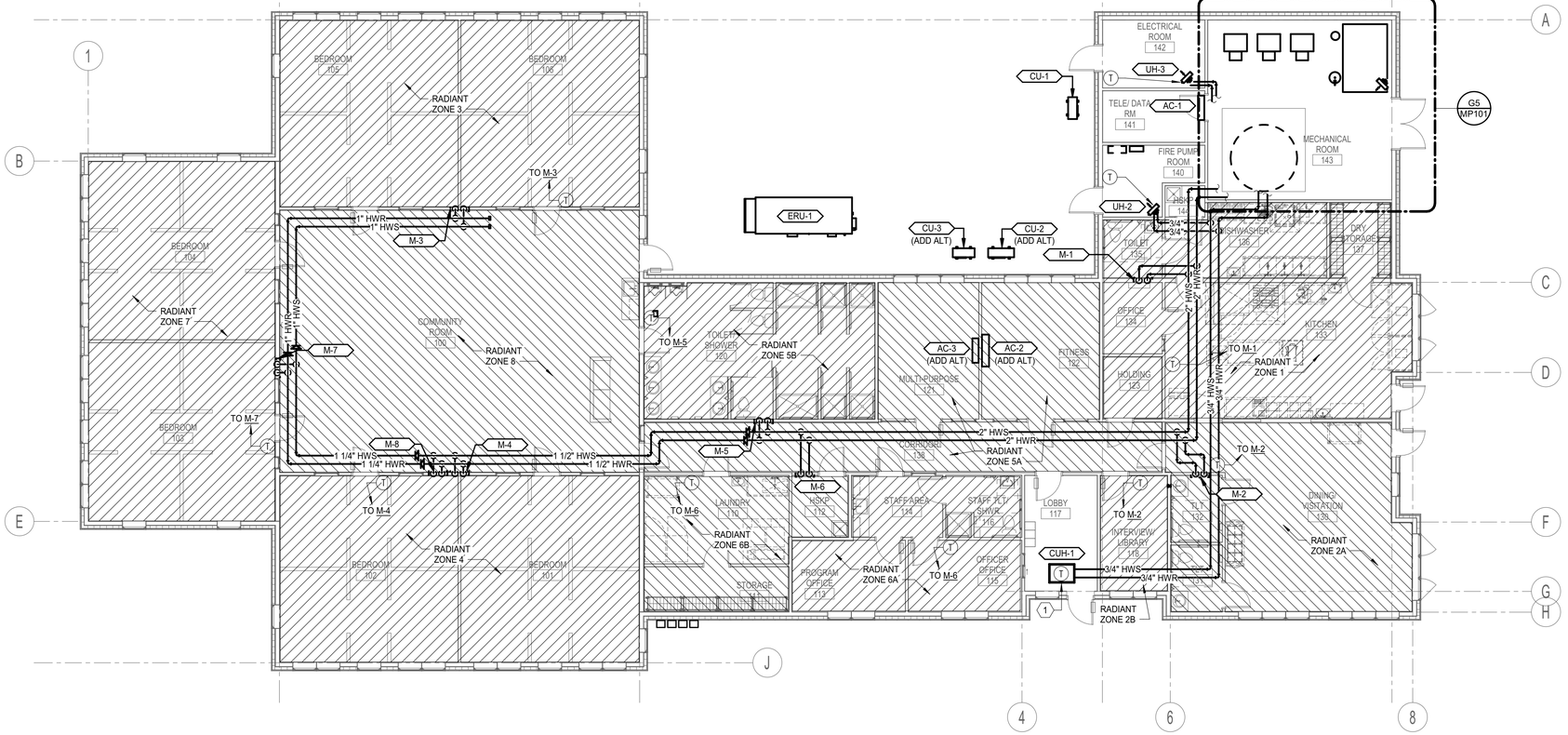
NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.
2. ALL RUN OUTS TO VAV, UH, CUH AND FIN TUBE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON DRAWINGS.
3. PROVIDE ISOLATION VALVES FOR ALL HWS AND HWR RUNNOUTS TO EVERY INDIVIDUAL EQUIPMENT AND/OR DEVICE. VALVES SHALL BE LOCATED AT THE TOP-OF-DROPS IN AN ACCESSIBLE LOCATION WITH THE CEILING GRID MARKED FOR MAINTENANCE.
4. PROVIDE SERVICE VALVES FOR ALL HWS AND HWR MAINS AND BRANCH RUNNOUTS. LOCATE VALVES AT ALL FIRE/SMOKE PARTITIONS, BRANCH LOCATIONS AND RISERS. VALVES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH THE CEILING GRID MARKED FOR MAINTENANCE.
5. LOCATE AND COORDINATE WITH THE GENERAL CONTRACTOR THE INSTALLATION OF ACCESS PANELS FOR ALL CONCEALED VALVES INCLUDING BUT NOT LIMITED TO VALVES ABOVE HARD CEILINGS AND WITHIN SOFFITS.
6. PROVIDE LABELING ON CEILING GRID FOR ALL ABOVE CEILING EQUIPMENT.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	LOCATE TEMPERATURE SENSOR IN RETURN OF CABINET UNIT HEATER.
2	2"HWS & 2"HWR DROPS TO DOMESTIC WATER HEATERS (TYP. 2). CONNECT TO WATER HEATERS WITH ISOLATION VALVE, BALANCING VALVE AND FLEX CONNECTOR. REFER TO DIV. 22 FOR WATER HEATER PIPING DETAILS.

500 GALLON ABOVE GROUND PROPANE STORAGE TANK. MOUNTED ON CONC. PAD. RE: SITE



MEN'S REENTRY CENTER - HVAC PIPING PLAN A1

1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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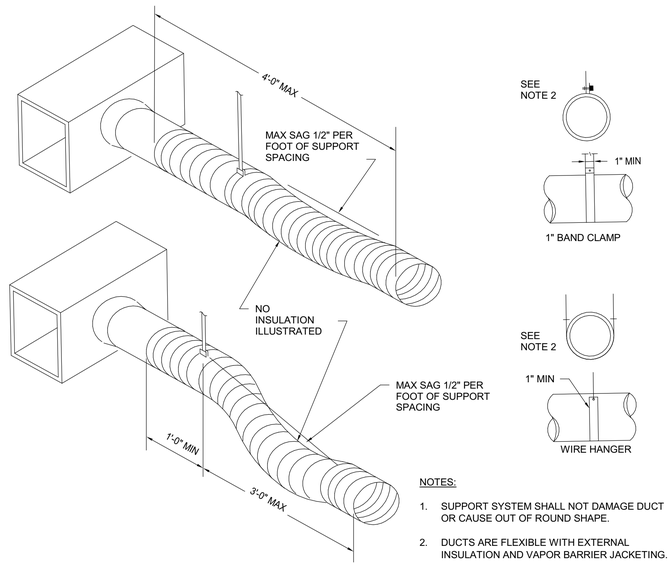
MEN'S REENTRY CENTER - HVAC PIPING PLAN

SHEET TITLE:

SCALE: AS NOTED

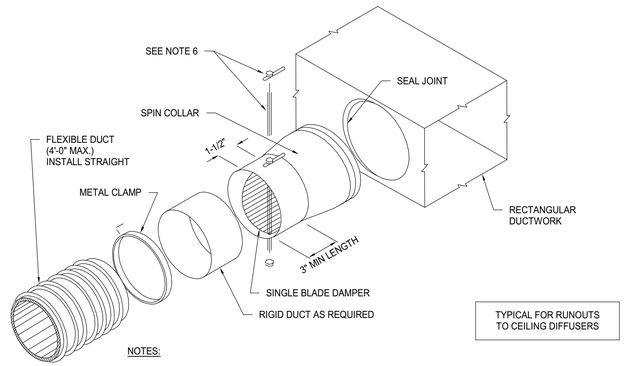
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	MP101-19176	SHEET No.	MP101



NOTES:

1. SUPPORT SYSTEM SHALL NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
2. DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
3. INSTALL FLEX DUCT STRAIGHT.

STRAIGHT SECTION FLEXIBLE DUCT SUPPORT REQUIREMENTS DETAIL G6
NOT TO SCALE



TYPICAL FOR RUNOUTS TO CEILING DIFFUSERS

NOTES:

1. SUPPORT IN ACCORDANCE W/ SMACNA GUIDLINES.
2. BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TESTING AND BALANCING CONTRACTOR.
4. POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EA AT 120° INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE W/DAMPER.
5. SEAL JOINTS TO PREVENT LEAKAGE USE SPECIFIED SEALANTS.
6. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

SPIN COLLAR DUCT CONNECTOR WITH DAMPER DETAIL G1
NOT TO SCALE

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

RECTANGULAR DUCT MAIN AND BRANCH TAKE OFFS DETAIL E9
NOT TO SCALE

DIFFUSER CONNECTION DETAIL D5
NOT TO SCALE

TYP. RETURN & TRANSFER GRILLE PLENUM DETAIL D1
NOT TO SCALE

NOTES:

1. DRYWALL, METAL STUDS OR ANY OTHER RIGID MATERIAL MUST NOT TOUCH DUCT.
2. SUPPORT DUCT FROM HANGERS ON EITHER SIDE OF WALL. DO NOT LET DUCT "LOAD" ONTO WALL.
3. PENETRATION MUST BE SEALED 100% AIR TIGHT.
4. USE FIRE SEALANT AT FIRE WALLS.

METAL DUCT WALL PENETRATION DETAIL A12
NOT TO SCALE

TEES AND LATERALS DETAIL A9
NOT TO SCALE

DUCT TRANSITION DETAILS A4
NOT TO SCALE

LOW PRESSURE DUCT ELBOWS - TYPICAL DETAIL A1
NOT TO SCALE

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MACHIASPORT, MAINE

MECHANICAL DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		M-501
DRAWN BY:	KPB		
SMRT FILE:	M-501-19176	SHEET No.	

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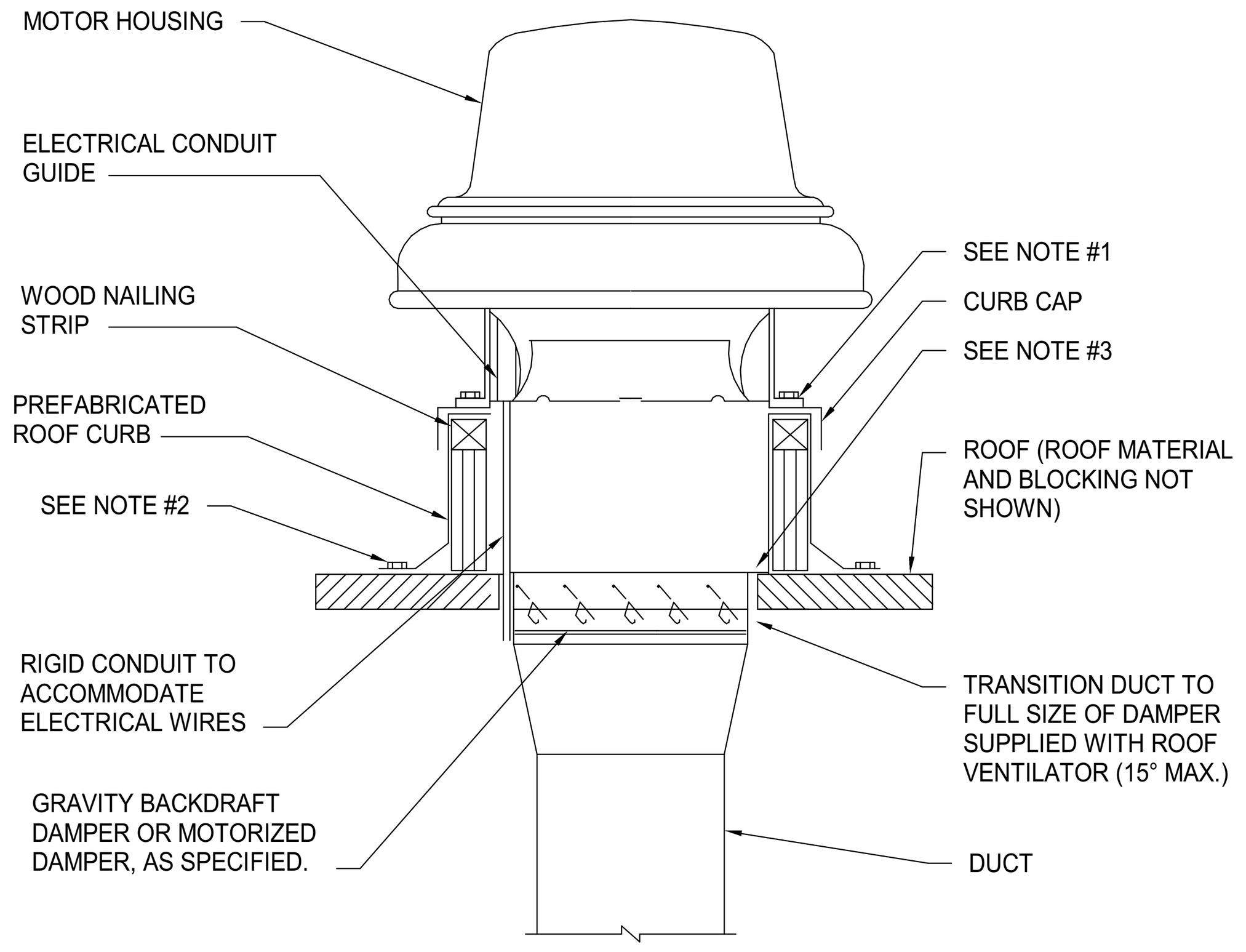
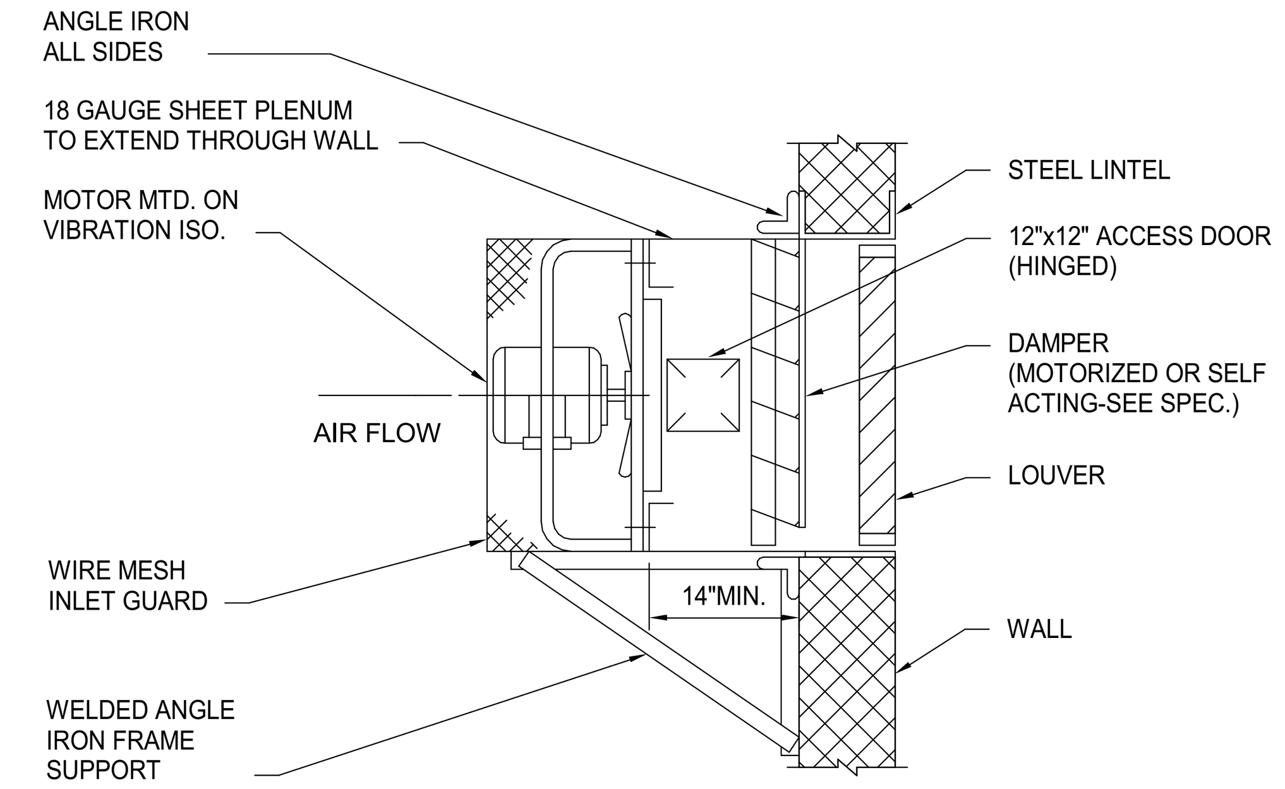


NOTES:

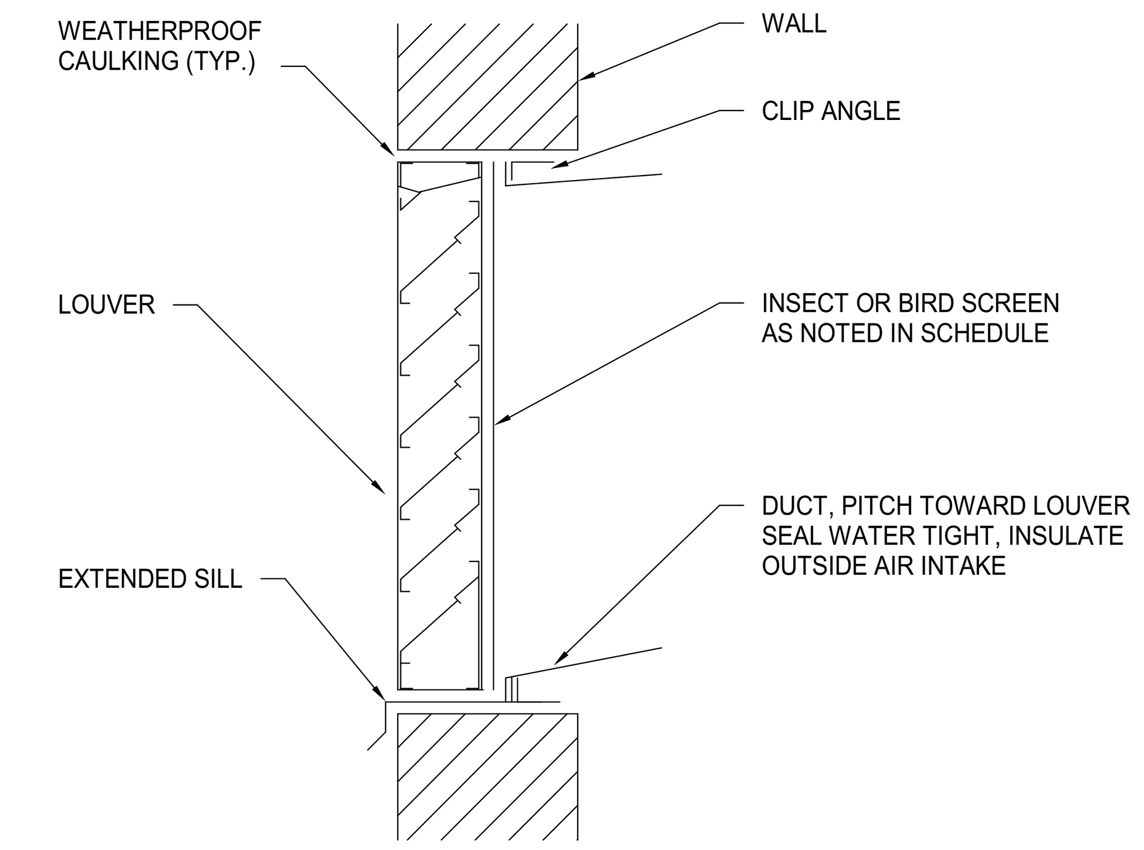
1. SECURE CURB CAP TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
2. SECURE ROOF CURB, DUCTWORK AND DAMPER TO ROOF BLOCKING.
3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH ROOF VENTILATOR.
4. RUN ELECTRIC LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.

DISHWASHER ROOF VENTILATOR DETAIL (H10)
NOT TO SCALE

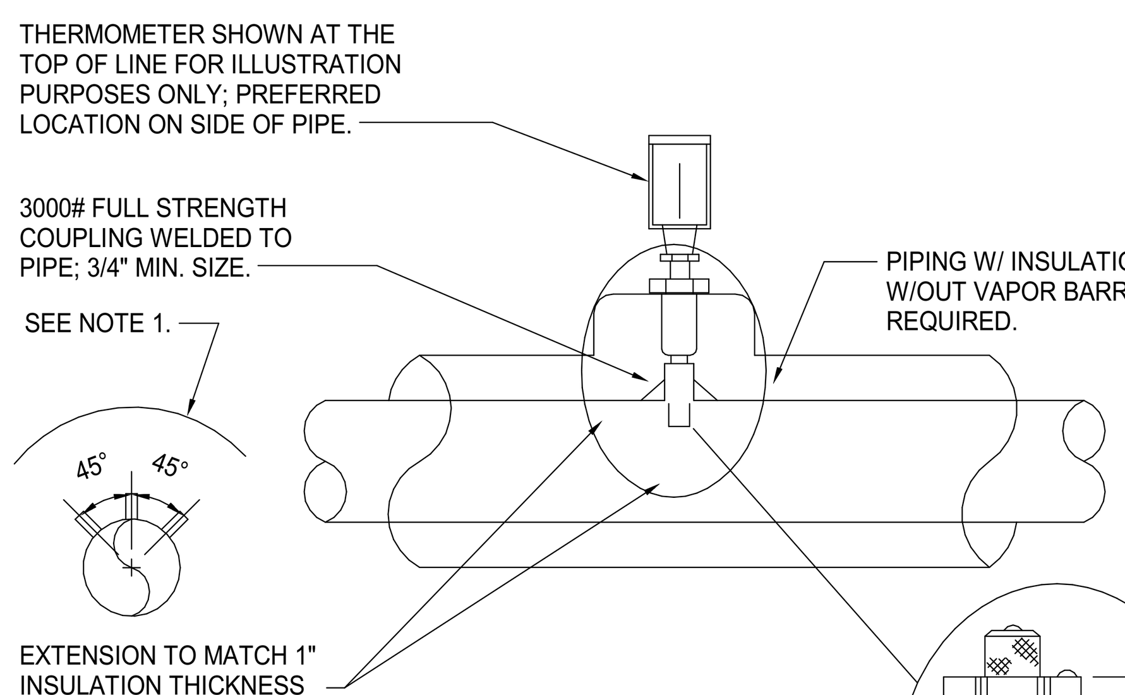


NOTE:
WHEN "D" IS OVER 24", PROVIDE 3/4" DRAIN AT 5'-0" CENTERS 6" FROM LOUVER

PROPELLER FAN DETAIL (H5)
NOT TO SCALE

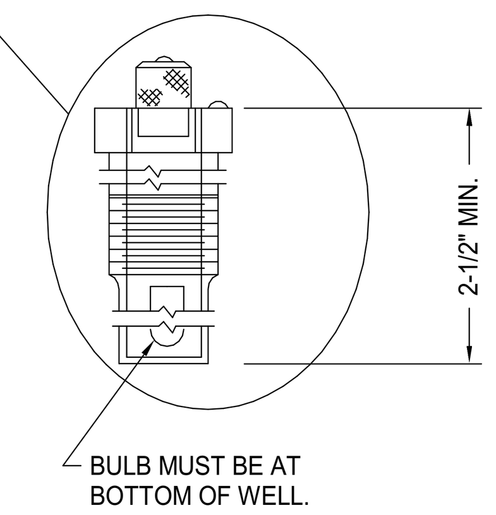


WALL LOUVER DETAIL (H1)
NOT TO SCALE

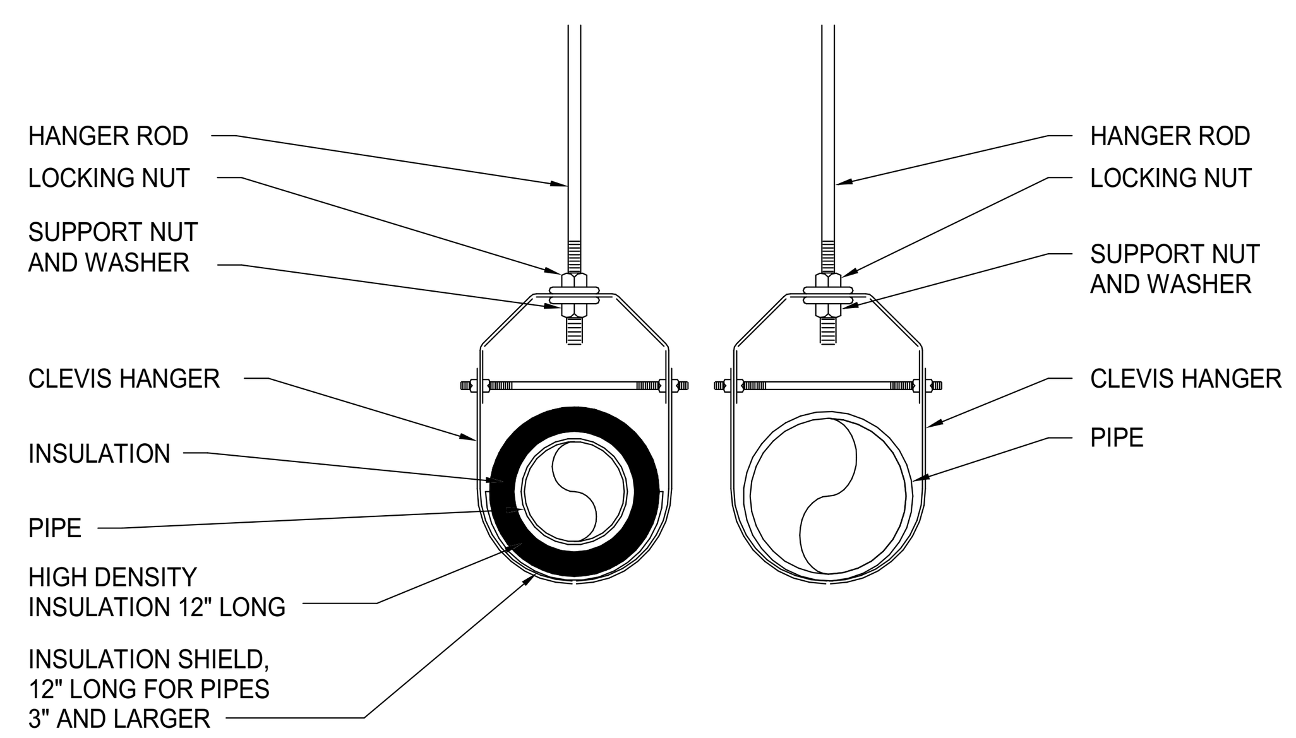


NOTES:

1. MOUNT THERMOMETER ANGLED ACCORDING TO SIGHT LINE.
2. ALLOW CLEARANCE FOR THERMOMETER REMOVAL.
3. SELECT COUPLING DIAMETER TO ACCOMMODATE TEST WELL OR THERMOWELL AS REQUIRED.



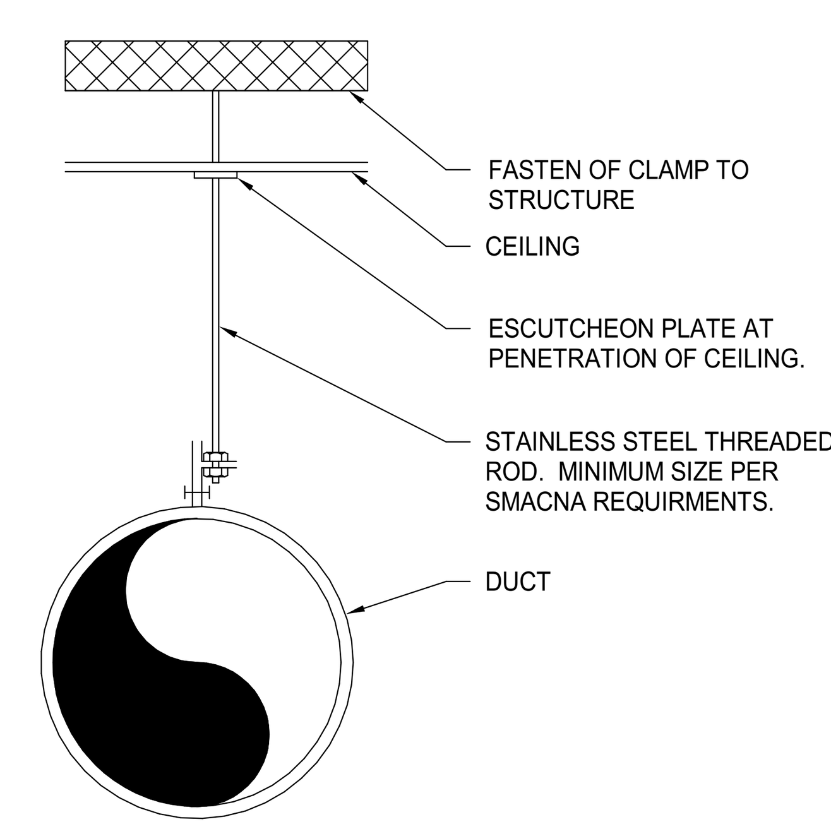
THERMOMETER AND THERMOWELL INSTALLATION DETAIL (D4)
NOT TO SCALE



HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE		
	COPPER	STEEL	PP-RCT
UP TO 2"	3/8" DIA.	3/8" DIA.	3/8" DIA.
2 1/2" THRU 3"	1/2" DIA.	1/2" DIA.	1/2" DIA.

HANGER ROD SPACING			
PIPE SIZE	MAX. ALLOWABLE SPACING		
	COPPER	STEEL	PP-RCT
3/4"	5'	7'	2'-8"
1"	6'	7'	2'-8"
1 1/4"	7'	7'	4'
1 1/2"	8'	9'	4'
2"	8'	10'	4'
2 1/2"	9'	11'	4'
3"	10'	12'	4'

CLEVIS PIPE HANGER DETAIL (D8)
NOT TO SCALE



DUCT HANGER DETAIL (D5)
NOT TO SCALE

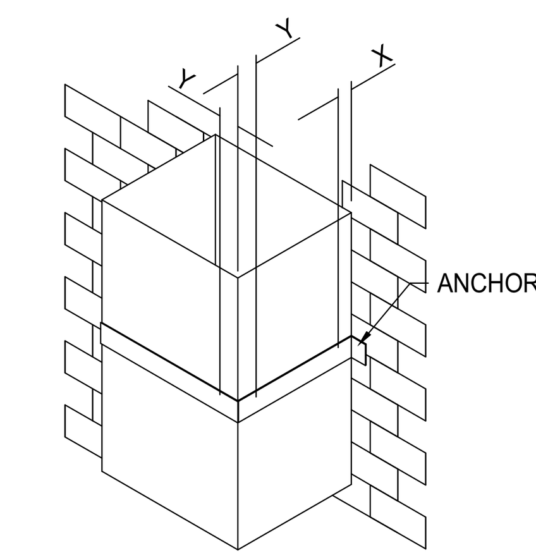


FIG. A: BAND

SUGGESTED SIZING		
DUCT SIZE	TYPE	MATERIAL
18 X 12	BAND	1-1/2" X 16 GA.
24 X 20	BAND	1" X 1/8"
30 X 12	BAND	1" X 1" X 1/8"
36 X 18	BAND	1" X 1" X 1/8"
42 X 24	BAND	1-1/4" X 1-1/4" X 1/8"
48 X 30	BAND	1-1/4" X 1-1/4" X 1/8"

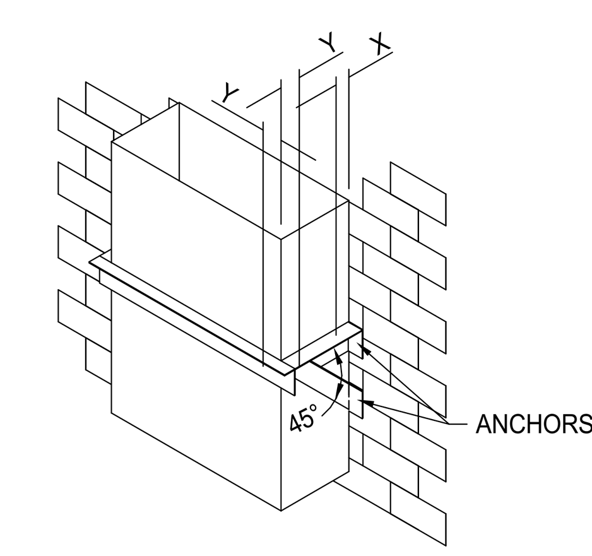


FIG. B: ANGLE

DUCT GAUGE	ALLOWABLE LOAD PER FASTENER *
28, 26	25 LBS
24, 22, 20	35 LBS
18, 16	50 LBS

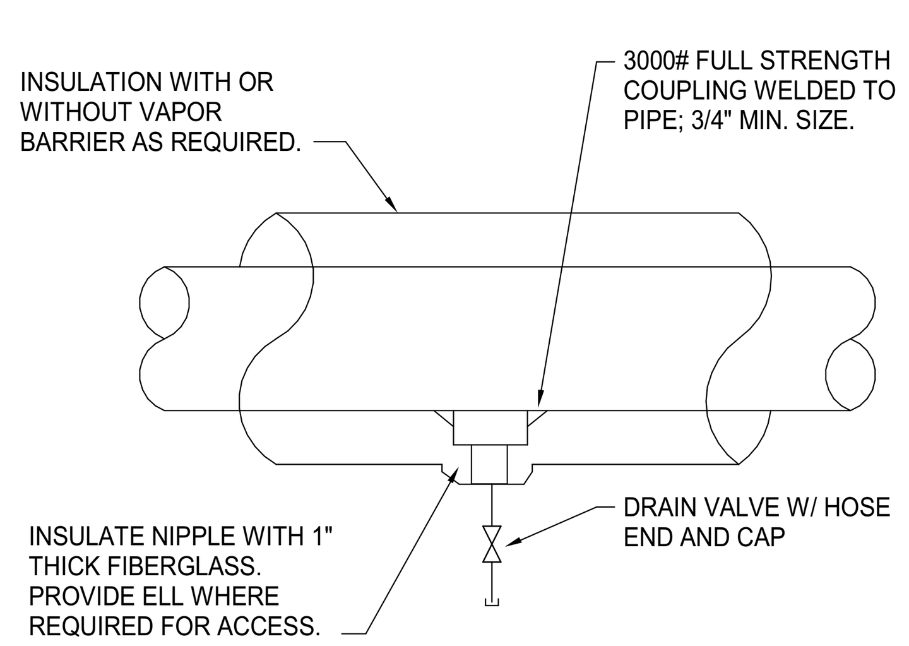
*WELD, BOLT, OR NO. 10 SCREW (MIN.).
x = 1", Y = 2" ; ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.

NOTES:

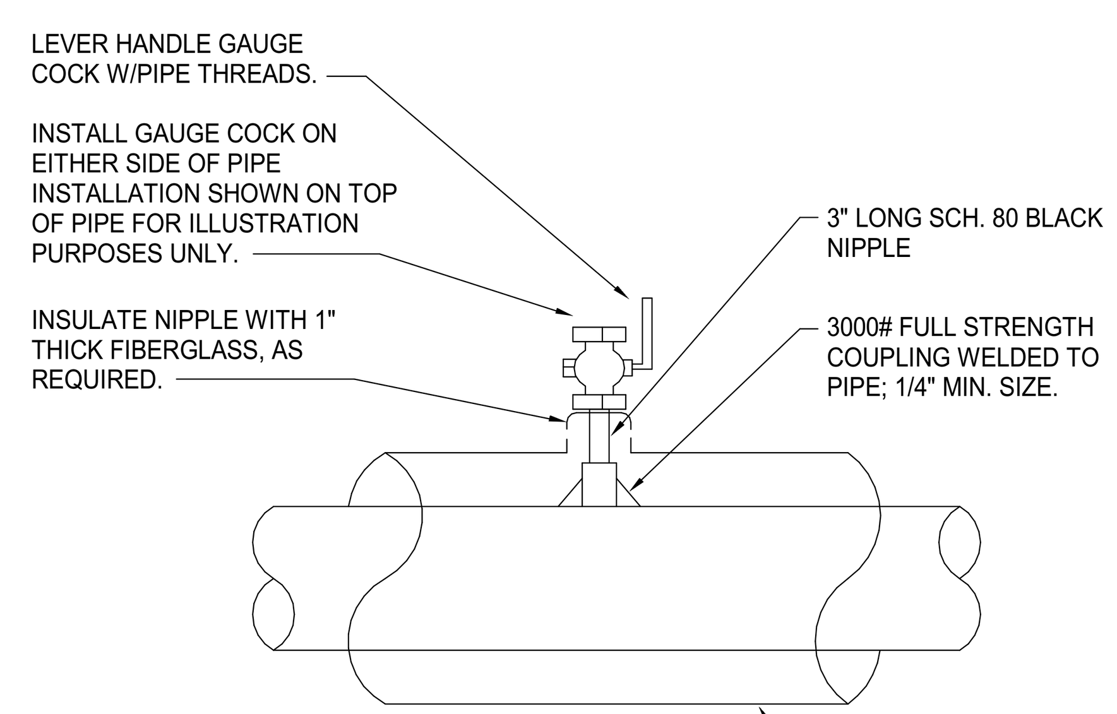
1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
   A. SHEER LOAD = 1/2 x DUCT WEIGHT; SAFETY FACTOR OF 4.
   B. TENSION LOAD = 3/8 x DUCT WEIGHT; SAFETY FACTOR OF 4. (NOT LESS THAN REQUIRED TO MEET CRITERIA C)
   C. TENSION WIND LOAD = 35 PSF x 1/2 DUCT WIDTH x BRACKET SPACING. (*)

(*) CRITERIA "C" IS BASED ON IBC 2009 W/ FOLLOWING LIMITATIONS: BLDG. IS NOT CLASSIFIED AS AN ESSENTIAL FACILITY, BLDG. HEIGHT IS MAX. 60 FT. WIND SPEED IS MAX. 100 MPH.

VERTICAL DUCT HANGER DETAIL (D1)
NOT TO SCALE

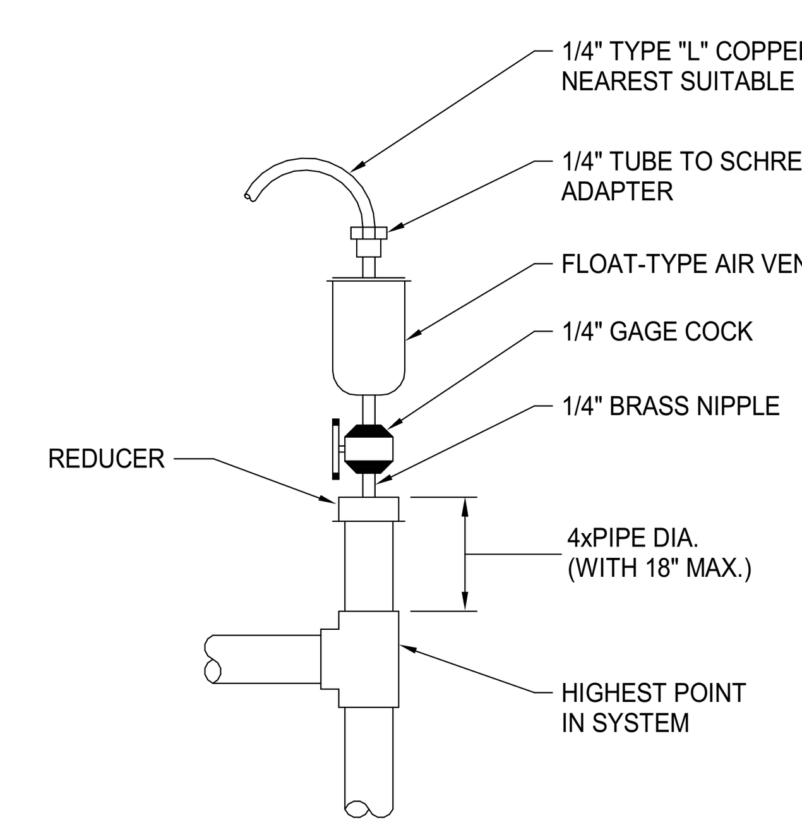


DRAIN VALVE INSTALLATION DETAIL (A12)
NOT TO SCALE

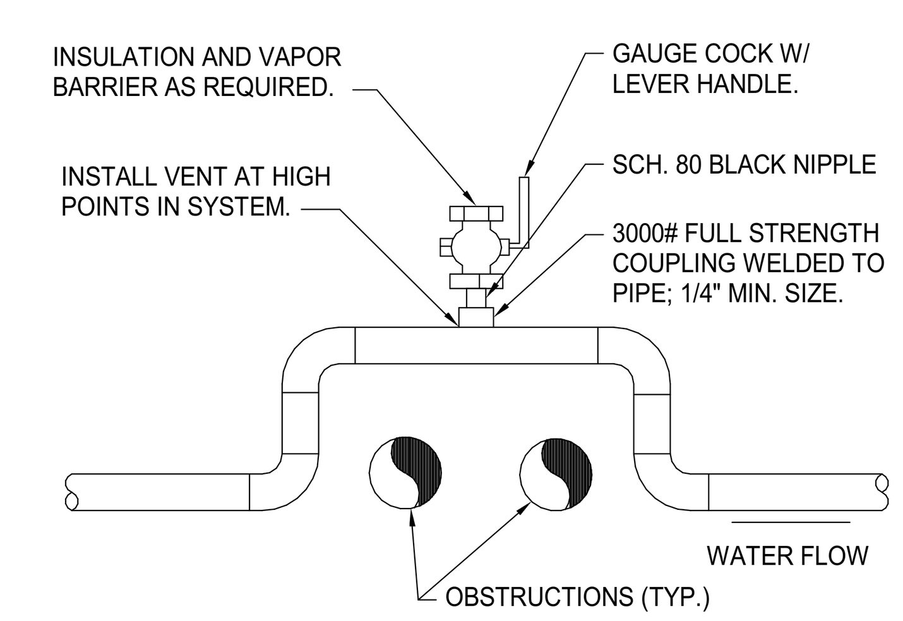


NOTE:
1. COCK REQUIRED FOR ALL THERMOMETERS AND GAUGES.

GAUGE COCK INSTALLATION DETAIL (A8)
NOT TO SCALE



AUTOMATIC AIR VENT ASSEMBLY DETAIL (A4)
NOT TO SCALE



HIGH POINT MANUAL AIR VENT DETAIL (A1)
NOT TO SCALE

NOTES:
1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

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MEN'S REENTRY CENTER

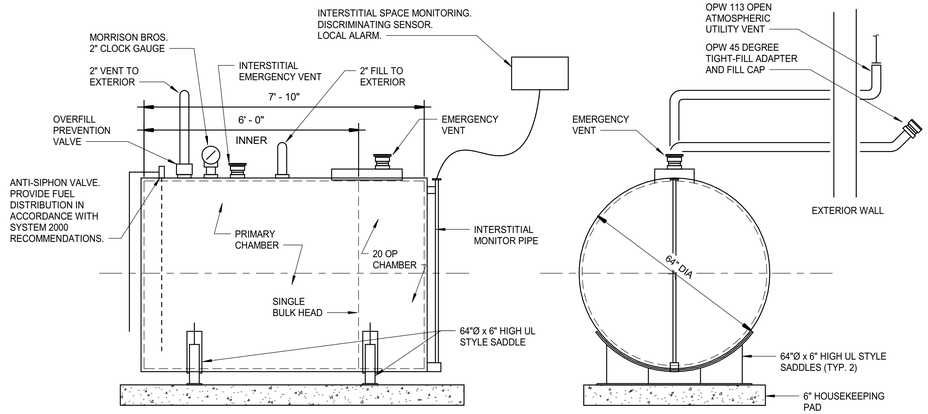
MACHIASPORT, MAINE

MECHANICAL DETAILS
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

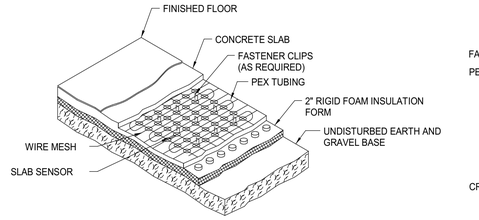
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV	M-502	
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	M-502-19176	SHEET No.	

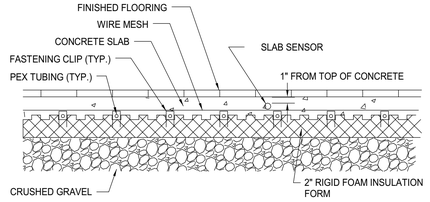
24x36



NOTES:
1. PROVIDE 1,000 GALLON, 64" DIAMETER, DOUBLE-WALL HORIZONTAL HEATING OIL STORAGE TANK BY HIGHLAND TANK OR APPROVED EQUAL.
2. TANK SHALL BE UL 142 LISTED, CARBON STEEL, 7 GAUGE INNER HEADS AND SHELL, 10 GAUGE OUTER HEADS AND SHELL.
3. TANK SHALL BE SHOP PRIMED
4. MARK INTERSTITIAL EMERGENCY VENT WITH WARNING LABEL AS FOLLOWS: "INTERSTITIAL EMERGENCY VENT USE ONLY"
5. PROVIDE NFPA REQUIRED SIGNAGE AND WARNINGS.
6. PROVIDE GROUND WIRE TO TANK GROUNDING LUG."

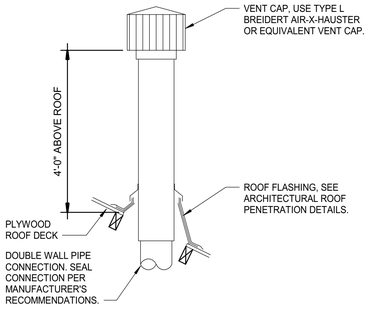
1000 GALLON DOUBLE WALL HEATING OIL TANK G9
NOT TO SCALE



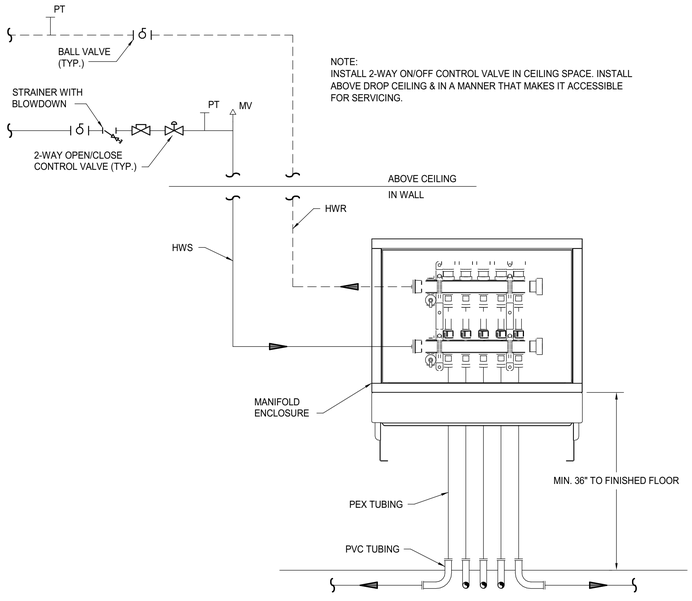


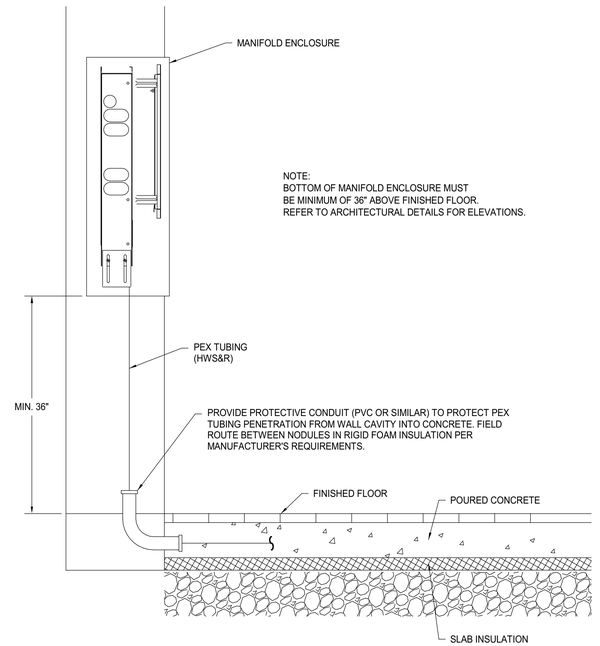
NOTES:
1. REFER TO MANUFACTURER'S LITERATURE FOR ALL MANDATORY AND RECOMMENDED INSTALLATION REQUIREMENTS. STORE PEX TUBING INDOORS AND AWAY FROM UV EXPOSURE.
2. ROUTE PEX LOOPS PER DRAWINGS AND COORDINATE FINAL LAYOUT WITH RADIANT MANUFACTURER AND ARCHITECTURAL DRAWINGS (INCLUDING AGENDA) PRIOR TO INSTALLING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. LOCATE ANY OBSTACLES THAT MAY NEED TO BE AVOIDED (PLUMBING, CONDUIT, STEEL, AND OTHER SLAB PENETRATIONS) AND RE-ROUTE/ADJUST PEX AND WIRE MESH TO ACCOMMODATE OBSTACLES.
3. MAINTAIN MANUFACTURER RECOMMENDED DISTANCES FROM SLAB EDGE (8"-12") TO MINIMIZE PERIMETER HEAT LOSS AND PREVENT POST CONSTRUCTION ISSUES (I.E. SLAB PENETRATIONS THAT COULD DAMAGE TUBING).
4. SECURE PEX TUBING TO PRE-FORMED RIGID INSULATION TRACKS AS RECOMMENDED BY INSULATION MANUFACTURER. PROVIDE ADDITIONAL FASTENERS AS REQUIRED. HEAT TREAT ANY PEX TUBING THAT BECOMES KINKED PRIOR TO SLAB BEING POURED.
5. INSTALL FLOOR SENSOR BETWEEN 1/2 WAY BETWEEN PEX TUBING AND 1" ON CENTER FROM TOP OF SLAB IN SEALED CONDUIT. SECURELY SUPPORT SLAB SENSOR TUBING PRIOR TO POURING IN ORDER TO PREVENT MOVEMENT. CONTRACTOR SHALL RECORD EXACT LOCATION OF EACH SENSOR LOCATION ONTO PLANS AND INCLUDE THEM IN THE AS-BUILT DRAWINGS.
6. CONTRACTOR SHALL MARK LOCATION OF FLOOR SENSOR AND COORDINATE WITH GC PRIOR TO CONTROL CUTS OF CONCRETE.

RADIANT FLOOR INSTALLATION DETAIL - FIRST FLOOR G1
NOT TO SCALE



VENT STACK WEATHER PROTECTION CAP A11
NOT TO SCALE





NOTES:
1. REFER TO MANUFACTURER'S LITERATURE FOR ALL MANDATORY AND RECOMMENDED INSTALLATION REQUIREMENTS.
2. REFER TO ALL FLOOR PLANS AND ARCHITECTURAL PLANS AND SCHEDULES FOR EXACT MANIFOLD LOCATIONS AND ELEVATIONS. HOT WATER SUPPLY AND RETURN MAIN AND CIRCUIT PIPING SHALL PENETRATE KNOCK-OUTS OF MANIFOLD ENCLOSURE.
3. PROVIDE STAINLESS STEEL MANIFOLDS WITH RETURN BALANCING VALVES WITH CAPS (FOR INDIVIDUAL CIRCUITS), CIRCUIT FLOW METERS WITH INTEGRAL ISOLATION VALVE, FLOW ADJUSTMENT KEY, FLOW INDICATORS, CIRCUIT ISOLATION VALVES, PURGE/VENT/DRAIN ASSEMBLY, TRUNK ISOLATION VALVES WITH INTEGRAL TEMPERATURE GAUGE.
4. CONTRACTOR SHALL LABEL INDIVIDUAL SUPPLY RETURN CIRCUITS (1, 2, 3, ...ETC) AND APPROXIMATE PIPING LENGTHS. DOCUMENT CIRCUIT NUMBERS AND LENGTHS ON THE AS-BUILT DRAWINGS FOR FUTURE USE AND TAB CONTRACTOR REFERENCE.
5. INSTALL 2-WAY ON/OFF CONTROL VALVE (FURNISHED BY ATC CONTRACTOR), STRAINER, AND BALANCING VALVES IN CEILING SPACE ABOVE MANIFOLDS AS INDICATED. TAB CONTRACTOR SHALL BALANCE CEILING VALVE TO SCHEDULED MANIFOLD FLOW RATES AND THEN ADJUST INDIVIDUAL CIRCUITS AS REQUIRED TO PROVIDE EQUAL FLOW TO EACH CIRCUIT BASED ON PEX INSTALLED LENGTHS.
6. SECURE MANIFOLD BRACKET INSIDE MANIFOLD ENCLOSURE. SECURE PEX PIPING TO INDIVIDUAL CIRCUITS BY MANUFACTURER APPROVED COMPRESSION FITTINGS. PROVIDE PIPE REDUCERS AS REQUIRED.
7. CONTRACTOR SHALL PRESSURIZE EACH MANIFOLD PER MANUFACTURER'S RECOMMENDED PRESSURE (50-100 PSI) AND TIME PERIODS (MINIMUM 24 HOURS) WITH AIR. DOCUMENT BEFORE AND AFTER PRESSURES AND FORWARD TO ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL PRESSURIZE MANIFOLDS AND PEX TUBING DURING CONCRETE PLACEMENT.

RADIANT FLOOR MANIFOLD INSTALLATION DETAIL A1
NOT TO SCALE

NOTES:
1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

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MEN'S REENTRY CENTER

MACHIASPORT, MAINE

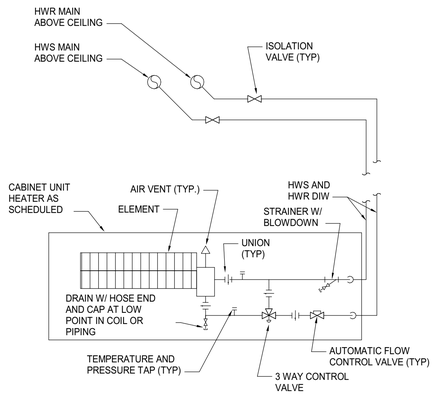
MECHANICAL DETAILS

SHEET TITLE:

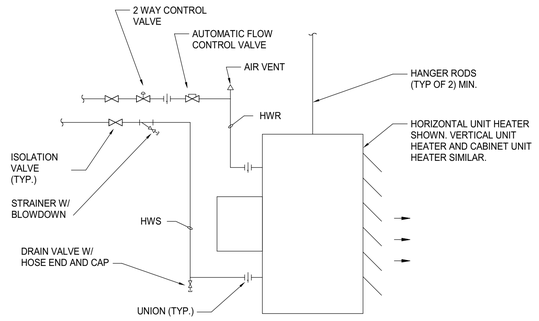
0" 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		M-503
DRAWN BY:	KPB		
SMRT FILE:	M-503-19176	SHEET No.	

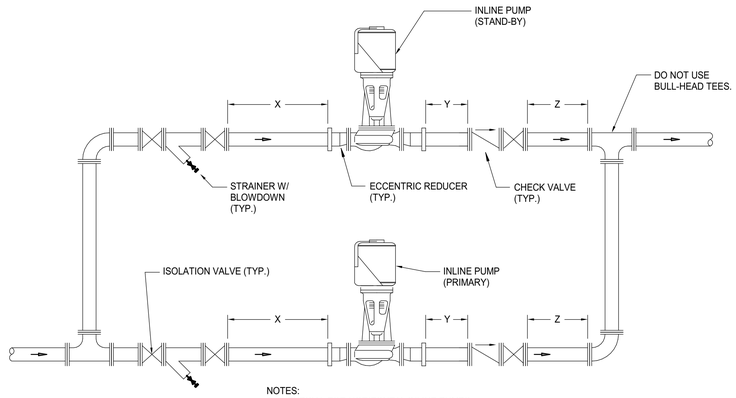
24x36



CABINET UNIT HEATER PIPING SCHEMATIC G12
NOT TO SCALE



UNIT HEATER PIPING SCHEMATIC G7
NOT TO SCALE



NOTES:
1. TYPICAL FOR HORIZONTAL INLINE PUMPS.
2. X = MINIMUM EIGHT PIPE DIAMETERS OF STRAIGHT PIPE, TYP.
3. Y = MINIMUM SIX PIPE DIAMETERS OF STRAIGHT PIPE, TYP.
4. Z = MINIMUM TWO PIPE DIAMETERS OF STRAIGHT PIPE, TYP.

INLINE DUPLEX PUMP PIPING DETAIL G1
NOT TO SCALE

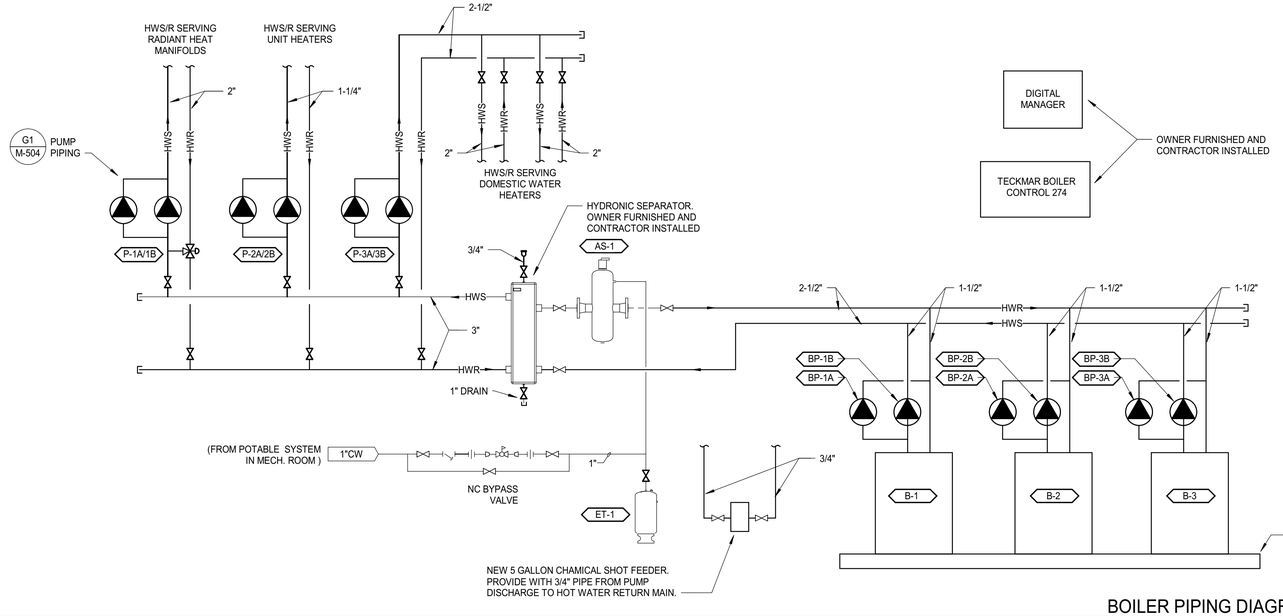
GENERAL NOTES:

1. THE THREE EK3 BOILERS WERE PREVIOUSLY INSTALLED ON THIS CAMPUS AND ARE STORED ON SITE.
2. UNDER THIS CONTRACT, RELOCATE AND REINSTALL THE THREE EK3 BOILERS AND THE SYSTEM 2000 DIGITAL MANAGER CONTROL SYSTEM.
3. PROVIDE NEW 7" BOILER FLUES AND MAIN FLUE. L-VENT CHIMNEY PIPE IS SUITABLE FOR USE WITH THE SYSTEM 2000 BOILERS. L-VENT MUST BE U.L. LISTED TO U.L. 641.
4. INSTALL NEW OIL BURNER NOZZLES. FIRING RATE SHALL BE 2.25 GPH.
5. PROVIDE BOILER CLEANING AND ADJUSTMENTS OF EXISTING BECKETT CF 500 BURNER, PROVIDE BOILER WATER PASSAGE CLEANING.
6. REUSE EXISTING TIGARLOOP FUEL SUPPLY.
7. MODIFY AND PROVIDE NEW AS REQUIRED FOR A COMPLETE SYSTEM 2000 BOILER SUPPLY, RETURN AND BYPASS PIPING ARRANGEMENT.
8. REPLACE EXISTING BYPASS PUMPS AND INJECTION PUMPS.
9. REPLACE AIR VENTS.
10. REPLACE ASME 30 PSI RELIEF VALVES.
11. THE SYSTEM 2000 IS A COLD START, COLD FINISH OPERATION WITH ENERGY RECOVERY. THE SYSTEM 2000 BOILER HAS A TEMPERATURE SENSOR FOR CONDENSING PROTECTION AND A RELAY FOR CONTROL OF INJECTION CIRCULATION.
12. REUSE EXISTING AIR INLET BOXES FOR SEALED COMBUSTION AIR. PROVIDE 4-INCH PVC COMBUSTION AIR DUCT.
13. BOILER WEIGHT IS APPROXIMATELY 675 LBS. WATER CONTENT IS 7.5 GALLONS, AIR INLET PIPE SIZE IS 4-INCHES, BOILER FLUE OUTLET IS 7-INCHES, AND THE SUPPLY AND RETURN PIPING IS 1.5-INCHES.
14. THE BOILER BYPASS PUMP WAS FACTORY PIPED. THE BYPASS PUMP PIPING AND WIRING MUST BE REINSTALLED TO IT'S ORIGINAL CONFIGURATION. THE BYPASS PUMPS RUN WHENEVER THE BURNER IS POWERED FOR HEAT AND ENSURES THE PROPER FLOW RATE THROUGH THE BOILER.
15. INSTALL OWNER FURNISHED HYDRONIC SEPARATOR WITH NEW MANIFOLDS
16. THE EXISTING BOILERS HAVE INDIVIDUAL MAKE-UP AND EXPANSION TANKS. REMOVE THE INDIVIDUAL MAKE-UP WATER AND THE EXPANSION TANKS. PROVIDE A NEW SYSTEM MAKE-UP WATER/FILL AND A NEW SYSTEM EXPANSION TANK (ET-1).

SEQUENCE OF OPERATIONS:

1. THE BOILERS SHALL SIT COLD UNTIL THEY HAVE A CALL FOR HEAT. ON A CALL FOR HEAT, THE DIGITAL MANAGER ENERGIZES THE BYPASS PUMP AND BURNER.
2. WHEN HEATING HOT WATER IS AVAILABLE, ZONE PUMPS AND VALVES OPERATE. WHEN THE CALL FOR HEAT IS SATISFIED THE DIGITAL MANAGER DE-ENERGIZES THE BURNER AND ENTERS THE ENERGY RECOVERY STAGE. THE ZONE PUMPS AND VALVES STAY ENERGIZED TO DELIVER THE HEAT REMAINING IN THE BOILER.
3. THE DIGITAL MANAGER SHALL MONITOR RETURN TEMPERATURE AND WILL TURN DE-ENERGIZE THE ZONE OUTPUTS IF THE RETURN TEMPERATURE DROPS BELOW 120 DEG. F.
4. BOILER SEQUENCING SHALL BE CONTROLLED BY THE EXISTING TECKMAR BOILER CONTROL 274

RADIANT HEAT MANIFOLDS CONTROL VALVE SHALL MODULATE TO MAINTAIN 150 DEG F (ADJUSTABLE)



BOILER PIPING DIAGRAM A1
NOT TO SCALE

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MACHIASPORT, MAINE

MECHANICAL DETAILS

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		M-504
DRAWN BY:	KPB	SHEET No.	
SMRT FILE:	M-504-19176		

24x36

ENERGY RECOVERY UNIT SCHEDULE

TAG	LOCATION	OA (CFM)	SA (CFM)	EA (CFM)	RA (CFM)	ELECTRIC PREHEAT	SUPPLY FAN						EXHAUST FAN						DIRECT EXPANSION COOLING												ENERGY RECOVERY WHEEL	OPERATING WEIGHT (LBS) - EXCLUDING CURB	SUPPLY FILTERS	RETURN FILTER	ELECTRICAL REQUIREMENTS				MAKE / MODEL NO.	NOTES:
							FAN TYPE	T.S.P. (IN. WC)	E.S.P. (IN. WC)	RPM	HP	BHP	FAN TYPE	T.S.P. (IN. WC)	E.S.P. (IN. WC)	RPM	HP	BHP	TOTAL MBH	SENS MBH	FACE AREA SQ FT.	ROWS	EAT °F DB/WB	LAT °F DB/WB	APD IN-W.C.	EAT °F	LAT °F	MBH	EAT °F	LAT °F	INPUT MBH (8:1)					V/PH	MCA	MAX FUSE	VFD(S)		
ERU-1	OUTDOOR	2000	2000	2000	2000	N/A	PLENUM	4.04	2	2729	3	2.89	PLENUM	3.05	2	2667	4	2.78	83.8	57.4	10.83	6	78.9 / 66.4	70.7 / 59.6	0.31	52.9	66.7	-	45.5	101.1	150	ERW-1	1960	MERV 8	MERV 14	208 / 3	53.2	70	Y	TRANE HORIZON OAB/G	1,2,3,4

NOTES:
1. PROVIDE ERU WITH 2" INSULATED DOUBLE WALLED CONSTRUCTION, SOUND ATTENUATION PACKAGE, HINGED ACCESS DOORS, CONDENSER AIR GUARD, OUTDOOR AIR AND RETURN AIR FILTER SECTIONS, AND SERVICE LIGHTS.
2. PROVIDE ERU WITH ENERGY RECOVERY WHEEL. SEE ENERGY RECOVERY WHEEL PERFORMACE SCHEDULE FOR DETAILS.
2. PROVIDE ERU WITH 14" CURB SUPPLIED BY MANUFACTURER.
3. PROVIDE TRANE HORIZON OAB/G MODEL OR EQUAL ERU

REGISTER, DIFFUSER & GRILL SCHEDULE

TAG	MAX CFM	NECK SIZE	TYPE	DELTA - P	MAX NC	THROW	PRICE MODEL NO.	NOTES
S-1A	100	6" Ø	PLAQUE DIFFUSER	0.06	<20	4'	SPD 12"x12", TYPE 31 SURFACE MOUNT	1
S-1B	100	6" Ø	PLAQUE DIFFUSER	0.02	<20	4'	SPD 24"x24", TYPE 31 T-BAR MOUNT	1,2,3
S-2	175	8" Ø	PLAQUE DIFFUSER	0.03	<20	6'	SPD 24"x24", TYPE 31 SURFACE MOUNT	1
S-3A	325	10" Ø	PLAQUE DIFFUSER	0.07	<20	5'	SPD 24"x24", TYPE 31 SURFACE MOUNT	1
S-3B	325	10" Ø	PLAQUE DIFFUSER	0.07	<20	5'	SPD 24"x24", TYPE 31 T-BAR MOUNT	1,2,3
E-1A	195	8"x8"	LOUVERED EXHAUST	0.10	22	-	535 / F 12"x12" SURFACE MOUNT	1
E-1B	195	8"x8"	LOUVERED EXHAUST	0.02	22	-	535 / TB 24"x24" LAY IN MODULE	1,2,3
E-2A	455	12"x12"	LOUVERED EXHAUST	0.10	26	-	535 / F 24"x24" SURFACE MOUNT	1
E-2B	455	12"x12"	LOUVERED EXHAUST	0.10	26	-	535 / TB 24"x24" LAY IN MODULE	1,2,3
E-3	90	8"x4"	LOUVERED EXHAUST	0.02	<20	-	530 / F SIDEWALL GRILLE	1

GENERAL NOTES:
1. ALL REGISTERS, DIFFUSERS AND GRILLES SHALL HAVE WHITE FINISH UNLESS OTHERWISE INDICATED.

2. PROVIDE FACE OPERABLE DAMPERS IN RGD'S WHERE DUCT MOUNTED BALANCE DAMPERS ARE NOT ACCESSIBLE (I.E. GYPSUM CEILINGS)

KEYED NOTES:
1. STEEL CONSTRUCTION
2. PROVIDE MOUNTING FRAME FOR 24"x24" LAY-IN CEILING GRID
3. PROVIDE CROSS NOTCH FOR STRADDLING T-BAR

LOUVER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	FREE AREA (SQ. FT.)	CFM RANGE	SP (IN WG)	SIZE W&H (IN)	MANUFACTURER & MODEL (AS BASIS OF DESIGN)	NOTES
L-2	MECHANICAL ROOM 143	EXHAUST	HORIZONTAL BLADE WIND-DRIVENT RAIN LOUVER	0.4	< 2800	0.1	18 x 12	GREENHECK EHH-401	1,3,4,5
L-3	ADMIN BUILDING UTILITY 590	INTAKE	HORIZONTAL BLADE WIND-DRIVENT RAIN LOUVER	0.6	< 2720	< 0.05	18 x 18	GREENHECK EHH-401	1,2,4,5

NOTES:
1. AMCA CERTIFIED RATINGS SEAL FOR WATER PENETRATION, AIR PERFORMANCE AND WIND-DRIVEN RAIN
2. INTAKE LOUVER WITH INSECT SCREEN
3. EXHAUST LOUVER WITH BIRD SCREEN
4. 4-INCH DEEP FRAME WITH HORIZONTAL BLADES AT 2-INCH SPACING
5. EXTRUDED ALUMINUM LOUVER WITH KYNAR FINISH IN COLOR AS APPROVED BY OWNER / ARCHITECT.

ENERGY RECOVERY WHEEL PERFORMANCE SCHEDULE

TAG	WINTER CONDITIONS												SUMMER CONDITIONS												NOTES:
	WHEEL ENTERING...				WHEEL LEAVING CONDITIONS				ENERGY RECOVERY @ WINTER DESIGN		EFFECTIVENESS @ WINTER DESIGN		WHEEL ENTERING...				WHEEL LEAVING CONDITIONS				ENERGY RECOVERY @ SUMMER DESIGN		EFFECTIVENESS @ SUMMER DESIGN		
	OUTSIDE AIR		RETURN AIR		SUPPLY AIR		EXHAUST AIR						OUTSIDE AIR		RETURN AIR		SUPPLY AIR		EXHAUST AIR						
	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	SENSIBLE MBH	LATENT MBH	SENSIBLE %	LATENT %	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	DB °F	WB °F	SENSIBLE MBH	LATENT MBH	SENSIBLE %	LATENT %	
ERW-1	-3.0	-4.0	72.0	53.0	45.5	35.5	24.7	24.4	136.7	-10.0	0.76	0.52	87.0	71.0	75.0	62.5	78.9	66.4	82.4	67.1	22.8	10.1	0.74	0.52	*

FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	ESP (IN WC)	MAX FAN RPM	FAN BHP	MOTOR / ELECTRICAL DATA					VFD	ON GENERATOR POWER	MANUFACTURER & MODEL (AS BASIS OF DESIGN)	NOTES:
								DRIVE TYPE	MOTOR TYPE	HP	VOLTS	PH				
EF-1	MECHANICAL ROOM 143	MECHANICAL ROOM 143	PROPELLER WALL	270	0.25	1725	0.09	DIRECT	VARI-GREEN	1/4	120	1	ECM	NO	GREENHECK AER - E20C-605-VG	1,2,3
EF-2	ROOF	KITCHEN HOOD	CENTRIFUGAL UPBLAST	1,260	1.00	1725	0.35	DIRECT	VARI-GREEN	1/3	120	1	ECM	NO	GREENHECK CUE-121-VG	4 - 10
EF-3	ROOF	DISHWASHER HOOD	CENTRIFUGAL UPBLAST	450	0.63	1725	0.1	DIRECT	VARI-GREEN	1/10	120	1	ECM	NO	GREENHECK CUE-090-VG	9 - 12
RF-1	ATTIC	RADON MITIGATION	INLINE	166	2.00	2533	-	DIRECT		1/12	120	1	-	NO	FANTECH RN* INLINE RADON FAN	-

NOTES:
1. AMCA CERTIFIED FOR SOUND & AIR PERFORMANCE
2. UL 705 LISTED FAN ASSEMBLY WITH MOTOR MANUFACTURED IN USA
3. PROVIDE FAN MANUFACTURER'S WALL COLLAR WITH OSHA GUARD AND THERMALLY BROKEN, INSULATED CONTROL DAMPER WITH 24 VOLT ACTUATOR
4. UL 762 FOR RESTAURANT EXHAUST APPLIANCES
5. PROVIDE GREASE TRAP WITH ABSORBENT MATERIAL
6. PROVIDE GREENHECK MODEL GPFHL ROOF CURB 24-INCH HEIGHT WITH 5-INCH FLASHING FLANGE , 14-GAUGE GALVANIZED STEEL
7. PROVIDE HINGED BASE
8. NFPA REQUIRED 40-INCH MINIMUM DISCHARGE ABOVE THE ROOF
9. PROVIDE SPEED CONTROLLER FOR SYSTEM BALANCING
10. PROVIDE DISCONNECT SWITCH
11. PROVIDE ROOF CURB 18-INCH HEIGHT
12. PROVIDE BACKDRAFT DAMPER

DUCTLESS SPLIT SYSTEM SCHEDULE

INDOOR SECTION TAG	OUTDOOR SECTION TAG	TYPE	INDOOR UNIT LOCATION	REFRIGERANT PIPING (LIQUID / GAS)	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	SEER	INDOOR SECTION				OUTDOOR SECTION			OUTDOOR SECTION BASIS OF...	INDOOR SECTION BASIS OF...	NOTES:
								CFM (DRY)...	MCA	FLA	V/PH/HZ	LOCATION	MCA	V/PH/HZ			
AC-1	CU-1	WALL	TELE/DATA 141	3/8" / 5/8"	18.0	-	15.3	425	1	0.33	208/ 1 / 60	GRADE	13	208/ 1 / 60	MITSUBISHI...	MITSUBISHI...	1,2,3
AC-2 ADD ALTERNATE	CU-2	WALL	FITNESS 122	3/8" / 5/8"	18.0	-	15.3	425	1	0.33	208/ 1 / 60	GRADE	13	208/ 1 / 60	MITSUBISHI PUZ18	MITSUBISHI PKA18	1,2,3
AC-3 ADD ALTERNATE	CU-3	WALL	MULTI-PURPOSE 121	3/8" / 5/8"	18.0	-	15.3	425	1	0.33	208/ 1 / 60	GRADE	13	208/ 1 / 60	MITSUBISHI PUZ18	MITSUBISHI PKA18	1,2,3

NOTES:
1. PROVIDE OUTDOOR UNITS WITH ADVANCED WIND BAFFLES FOR LOW AMBIENT COOLING DOWN TO -20°F, DISCONNECT SWITCH AND MOUTING BASE.
2. PROVIDE INDOOR UNITS WITH WIRED THERMOSTAT/CONTROLLER - NO WIRELESS THERMOSTATS PERMITTED.
3. PROVIDE DUCTLESS SPLIT SYSTEM BY MITSUBISHI, DAIKIN, CARRIER OR EQUAL.

MAKE UP AIR UNIT SCHEDULE

TAG	NOM. CFM	FAN DATA			ELECTRICAL DATA			HEATING DATA			FUEL TYPE	TURNDOWN	WT (LBS)	BASIS OF DESIGN UNIT MFG & MODEL	NOTES:
		NOM. RPM	EXT. SP	HP	VOLT	PH	HZ	TEMP RISE °F	INPUT MBH	OUTPUT MBH					
MAU-1	1260	1726	1	0.5	208	3	60	66	150	120	LP	4 : 1	1192	GREENHECK IGX-P112-H12-MF-E	1,2,3

NOTES:
1. PROVIDE MAU WITH INSULATED 36-INCH HIGH CURB.
2. PROVIDE MAU WITH INTAKE WEATHER HOOD, END DISCHARGE AND SUPPLY AIR MOTORIZED DAMPER.
3. PROVIDE 2" MERV 8 SUPPLY AIR FILTERS

ENERGY RECOVERY VENTILATOR SCHEDULE (ADMINISTRATION BUILDING)

TAG	TYPE	SUPPLY FAN DATA			EXHAUST FAN DATA			FIXED PLATE ENERGY CORE						FILTER DATA		ELECTRICAL DATA				WEIGHT (LBS)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
		CFM	ESP (IN. W.C.)	HP	CFM	ESP (IN. W.C.)	HP	NOMINAL EFFICIENCY	SUPPLY SUMMER EAT & LAT (°F)		SUPPLY WINTER EAT &LAT (°F)		EXHAUST SUMMER EAT (°F)	EXAHUST WINTER EAT (°F)	TYPE	P.D. (IN W.C.)	DIV. 26 PROVIDE VFD?	FLA	V / P	DIV. 26 PROVIDE STANDBY POWER?			
ERV-1	CONSTANT VOLUME	150	0.6	0.10	150	0.6	0.10	79%	87	75	-3	48	75	70	MERV 8	0.1	NO	1.5	120/1	NO	68	RENEWAIRE EV200	1,2

NOTES:
1. INSTALL UNIT PER MANUFACTURER'S RECOMMENDATIONS.
2. OR APPROVED EQUAL

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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MACHIASPORT, MAINE

MECHANICAL SCHEDULES

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		
DRAWN BY:	KPB		
SMRT FILE:	M-601-19176	SHEET No.	M-601

24x36

PUMP SCHEDULE

TAG	TYPE	LOCATION	SERVICE	GPM	IMPELLER SIZE (IN)	NOMINAL RPM	HD (FT.)	ELECTRICAL DATA					VFD (Y/N)	DIV. 26 PROVIDE VFD	DIV. 26 PROVIDE DISCONNECT	DIV. 26 PROVIDE STANDBY POWER	TYPICAL UNIT MFG & MODEL NO.	NOTES:
								kW/HP	VOLTS/Ø	FLA	MCA	MOP						
P-1A P-1B	IN-LINE CIRCULATOR	MECHANICAL ROOM	RADIANT FLOOR HEAT	30	-	-	38	.606kW	120 / 1	-	-	-	N	NO	YES	NO	GRUNDFOS MAGNA3 40-180	3
P-2A P-2B	IN-LINE CIRCULATOR	MECHANICAL ROOM	UNIT HEATERS	9	-	-	25	.178kW	120 / 1	-	-	-	N	NO	YES	NO	GRUNDFOS MAGNA1 32-100	3
P-3A P-3B	IN-LINE CIRCULATOR	MECHANICAL ROOM	DOMESTIC WATER HEATER	80	-	-	25	.636kW	120 / 1	-	-	-	N	NO	YES	NO	GRUNDFOS MAGNA3 50-100	3
BP-1A	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-1	2.5	-	3250	10	1/25	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 007	1
BP-1B	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-1	25	-	3250	10	1/8	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 012	2
BP-2A	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-2	2.5	-	3250	10	1/25	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 007	1
BP-2B	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-2	25	-	3250	10	1/8	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 012	2
BP-3A	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-3	2.5	-	3250	10	1/25	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 007	1
BP-3B	IN-LINE CIRCULATOR	MECHANICAL ROOM	B-3	25	-	3250	10	1/8	120 / 1	N/A	N/A	N/A	N	NO	NO	NO	TACO 012	2

NOTES:
1. REPLACE EXISTING BOILER BYPASS PUMP. ELECTRICAL POWER THROUGH BOILER CIRCUIT
2. PREPLACE EXISTING BOILER INJECTION PUMP. ELCTRICAL POWER THROUGH BOILER CIRCUIT
3. PRIMARY AND SECONDARY PUMP

HOT WATER UNIT HEATER SCHEDULE

TAG	LOCATION	TYPE	CFM	HP / W	MBH	GPM	ΔP	EAT °F	EWT (F)	LWT (F)	AMPS	VOLT/Ø	TYPICAL UNIT MFG & MODEL NO.	NOTES:
CUH-1	LOBBY 117	CEILING RECESSED	230	1/15 HP	14	1.5	0.15	60	180	160	0.8	115/1	STERLING RC-1200-02	
UH-1	MECHANICAL ROOM 143	HORIZONTAL	630	1/20 HP	31.3	3.5	0.12	60	180	160	2.2	115/1	STERLING HS-048B	1-2
UH-2	FIRE PUMP ROOM 140	HORIZONTAL	420	16 W	15.6	2	2.2	60	180	160	0.8	115/1	STERLING HS-118A	1-2
UH-3	ELECTRICAL ROOM 142	HORIZONTAL	420	16 W	15.6	2	2.2	60	180	160	0.8	115/1	STERLING HS-118A	1-2

NOTES
1. UNITS SELECTED AT LOW SPEED, PROVIDE WITH UNIT MOUNTED SPEED CONTROLLERS AND DISCONNECT SWITCH.
2. HEAT CAPACITIES AND FLOW RATES INCLUDE HOT WATER TEMPERATURE CORRECTION FACTORS.

AIR AND DIRT SEPARATOR SCHEDULE

TAG	LOCATION	SERVED	GPM	SIZE (IN)	PRESSURE DROP (FT WATER)	DIA. (IN)	LNG. (IN)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
AS-1	MECHANICAL ROOM	HOT WATER SYSTEM	55	2 1/2	1.75	10	16 1/2	TACO 49025ADT-125	1-2

NOTES:
1. PROVIDE REMOVABLE 304 STAINLESS STEEL STRAINER.
2. TANK RATED FOR 125 PSIG

RADIANT FLOOR HEAT SCHEDULE

MANIFOLD TAG	ROOM(S)	AREA	PIPE CONNECTION SIZE (IN)	TUBING SIZE (IN)	CIRCUIT CONNECTIONS	SUPPLY TEMP (°F)	AVERAGE TUBE SPACING	AVG. BTU/SF	LOOP FLOW (GPM)	LOOP P.D. (FT HEAD)	MANUFACTURER	NOTES
M-1	HOLDING 123, KITCHEN 125, OFFICE 135, TOILET 134, DISHWASHER 137, FOOD STORAGE 136	643	1	1/2	6	150	12	25.0	3.30	9.70	UPONOR RADIANT	1-6
M-2	TLT 131, TLT 132, INTERVIEW LIBRARY 118, DINING/VISITATION 130	712	1	1/2	6	150	12	25.0	3.36	6.10	UPONOR RADIANT	1-6
M-3	BEDROOM 105, BEDROOM 106	951	1	1/2	6	150	12	25.0	3.50	7.40	UPONOR RADIANT	1-6
M-4	BEDROOM 101, BEDROOM 102	952	1	1/2	4	150	12	25.0	3.23	7.70	UPONOR RADIANT	1-6
M-5	MULTI-PURPOSE 121, FITNESS 122, HOLDING 123, CORRIDOR 410	1,241	1	1/2	7	150	12	25.0	5.70	10.10	UPONOR RADIANT	1-6
M-6	LAUNDRY 110, STORAGE 111, 112 HSKP, PROGRAM OFFICE 113, STAFF AREA 114, OFFICER OFFICE 115, STAFF TLT/SHWR 116	676	1	1/2	7	150	12	25.0	2.91	6.20	UPONOR RADIANT	1-6
M-7	BEDROOM 103, BEDROOM 104	949	1	1/2	7	150	12	25.0	3.67	4.60	UPONOR RADIANT	1-6
M-8	COMMUNITY ROOM 100	1,370	1	1/2	5	150	12	25.0	4.61	10.50	UPONOR RADIANT	1-6

NOTES:
1. PROVIDE RADIANT PEX TUBING LAYOUT AS SHOWN ON PIPING FLOOR PLANS. CONFIRM FINAL LAYOUT AND SPACE WITH ARCHITECTURAL PLANS AND MANUFACTURER PRIOR TO ORDERING AND INSTALLING RADIANT FLOORS.
2. PROVIDE STAINLESS STEEL MANIFOLDS WITH BALANCING FLOW VALVES, FLOW ADJUSTMENT KEY, CIRCUIT ISOLATION VALVES, PURGE/ VENT/ DRAIN VALVE, MANIFOLD ISOLATION VALVE W/ INTEGRAL THERMOMETER, ENCLOSURES AND CIRCUIT FLOW METERS. PROVIDE COMPRESSION FITTINGS FOR PEX CONNECTIONS TO MANIFOLDS.
3. BALANCING CONTRACTOR SHALL ADJUST THE CIRCUIT BALANCING FLOW VALVES TO PROVIDE EQUAL FLOW TO EACH CIRCUIT.
4. REFER TO MANUFACTURER'S LITERATURE FOR INSTALLATION REQUIREMENTS AND ARCHITECTURAL DRAWINGS FOR FLOOR CONSTRUCTION DETAILS. COORDINATE WITH GENERAL CONTRACTOR AND ALL TRADES WHEN INSTALLING RADIANT PIPING.
5. INSTALL TUBING WITH UPONOR FAST TRAK FLOORING OR SIMILAR KNOBBED MAT SYSTEM.
6. RADIANT SYSTEM SHALL BE BY UPONOR, WATTS, VIEGA OR EQUAL.

BOILER SCHEDULE - HOT WATER

TAG	LOCATION	FUEL TYPE	BOILER HP	INPUT MBH	OUTPUT MBH	THERMAL EFF. %	OIL GPH	GROSS I.B.R. RATING MBH	ELECTRICAL DATA		FLUE SIZE (IN.)	OPERATING WT. LBS.	TYPICAL UNIT MFG & MODEL NO.	NOTES:
									HP	VOLTS/Ø				
B-1	MECH 143	NO.2 OIL	-	417	357	85.6	3	357	1/3	120 / 1	7	738	SYSTEM 2000 EK3 FRONTIER	1
B-2	MECH 143	NO.2 OIL	-	417	357	85.6	3	357	1/3	120 / 1	7	738	SYSTEM 2000 EK3 FRONTIER	1
B-3	MECH 143	NO.2 OIL	-	417	357	85.6	3	357	1/3	120 / 1	7	738	SYSTEM 2000 EK3 FRONTIER	1

NOTES: 1.BOILER TO BE SUPPLIED BY OWNER

EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVED	WORKING PRESSURE PSIG	TOTAL GAL.	ACCEPT GAL.	DIA (IN.)	HEIGHT (IN.)	WEIGHT (LBS.)	FILL PRESSURE PSIG	PRE-CHARGE PSIG	TYPICAL UNIT MFG & MODEL NO.	NOTES:
ET-1	MECHANICAL ROOM	HOT WATER SYSTEM	125	33.6	11.6	16	45	98	15	12	EXTROL AX-60(V)	1

NOTES: 1. EXPANSION TANK SHALL BE ASME CERTIFIED CONSTRUCTION.

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

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0	ISSUED FOR CONSTRUCTION	08-14-20

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MACHIASPORT, MAINE

MECHANICAL SCHEDULES

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		M-602
DRAWN BY:	KPB		
SMRT FILE:	M-602-19176	SHEET No.	

24x36

GENERAL SYMBOLS

- INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.
- LIMITS OF DEMOLITION
- CONNECT TO EXISTING
- EQUIPMENT ABBREVIATION (EF=EXHAUST FAN) EQUIPMENT NO.
- EF-1 — EQUIPMENT TAG
- A1 / M-401 — DETAIL NO. SHEET NO. WHERE DETAIL IS LOCATED

CONTROL SYMBOLS

- CO — CARBON DIOXIDE SENSOR
- C — CARBON MONOXIDE SENSOR
- CS — CURRENT SENSOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- D — DEW POINT SENSOR
- LD — LEAK DETECTOR
- H — MOISTURE (HUMIDITY) SENSOR
- NX — NITROGEN DIOXIDE SENSOR
- OC — OCCUPANCY SENSOR
- OP — OPTICAL SENSOR
- O2 — OXYGEN SENSOR
- PC — PARTICLE COUNTER
- P — PRESSURE SENSOR
- SD — SMOKE DETECTOR
- SP — STATIC PRESSURE SENSOR
- TS — TEMPERATURE SENSOR
- TS — TEMPERATURE SENSOR - WITH AVERAGING ELEMENT
- T — THERMOSTAT - ROOM / SPACE TEMPERATURE SENSOR
- WL — WATER LEVEL SENSOR
- AFS — AIR FLOW SWITCH
- APS — AIR PROVING SWITCH
- ALM — ALARM
- DP — DIFFERENTIAL PRESSURE SWITCH
- SS — SAIL SWITCH
- EPT — ELECTRONIC TO PNEUMATIC TRANSDUCER
- ES — END SWITCH
- FMS — FLOW MONITORING STATION
- FS — (FREEZESTAT) TEMPERTURE SWITCH
- FL — FLOW SWITCH
- H — HUMIDIFIER
- HS — HIGH LIMIT DUCT HUMIDISTAT
- C — FIRE / SMOKE DAMPER (COMBINATION)
- MD — MOTORIZED DAMPER
- PSH — PRESSURE SWITCH - HIGH LIMIT
- PSL — PRESSURE SWITCH - LOW LIMIT
- S — SMOKE DAMPER
- S / S — START / STOP
- VFD — VARIABLE FREQUENCY DRIVE
- CONTROL VALVE - MODULATING
- CONTROL VALVE - TWO POSITION
- CONTROL VALVE THREE WAY - MODULATING
- CONTROL VALVE THREE WAY - TWO POSITION
- S — SOLENOID VALVE

- FAN
- PUMP
- MOTOR STARTER
- PRE-FILTER (MERV 8)
- MID-FILTERS (MERV 13)
- FINAL FILTERS (MERV 14 OR 15)
- H / C — HEATING COIL
- C / C — COOLING COIL
- D / X — DIRECT EXPANSION COIL
- P / H — PRE HEAT COIL
- E / C — ELECTRIC COIL
- ER / C — ENERGY RECOVERY COIL
- G / H — GAS HEATER

ABBREVIATIONS

ACC	AIR COOLED CONDENSER	H & V	HEATING AND VENTILATION
ACCU	AIR COOLED CONDENSING UNIT	HVAC	HEATING, VENTILATION & AIR CONDITIONING
ACU	AIR CONDITIONING UNIT	HW	HOT WATER
ACV	AUTOMATIC CONTROL VALVE	HX	HEAT EXCHANGER
AD	ACCESS DOOR	IN WG	INCHES WATER GAUGE
AE	ACID EXHAUST	MA	MIXED AIR
AFF	ABOVE FINISHED FLOOR	MAU	MAKE UP AIR UNIT
AFMS	AIR FLOW MEASURING STATION	MAX	MAXIMUM
AHU	AIR HANDLING UNIT	MBH	1000 BTU/HR.
ATC	AUTOMATIC TEMPERATURE CONTROL	ME	MECHANICAL ENGINEER
BDD	BACKDRAFT DAMPER	MFR	MANUFACTURER
BMS	BUILDING MANAGEMENT SYSTEM	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MD	MOTOR OPERATED DAMPER
BLDG	BUILDING	MPV	MULTI-PURPOSE VALVE
CBD	COUNTER BALANCED DAMPER	MTD	MOUNTED
CFM	CUBIC FEET PER MINUTE	MUA	MAKE UP AIR
CLG	CEILING	NPW	NON-POTABLE WATER
CONT	CONTINUATION	NTS	NOT TO SCALE
COORD	COORDINATE	OA	OUTSIDE AIR
CP	CONDENSATE PUMP & RECEIVER	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	OED	OPEN ENDED DUCT
CTE	CONNECT TO EXISTING	PPE	PRE PURCHASED EQUIPMENT
CU	COPPER	PRS	PRESSURE REDUCING STATION
CUH	CABINET UNIT HEATER	PRV	PRESSURE REDUCING VALVE
CV	CONTROL VALVE	PVD	PNEUMATIC VOLUME DAMPER
CW	COLD WATER	(R)	REMOVE
DC	DOUBLE CONTAINED	RA	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	RCP	RADIANT CEILING PANEL
DIA	DIAMETER	(REL.)	RELOCATED
DWG	DRAWING	RF	RETURN FAN
DWH	DOMESTIC WATER HEATER	RHC	REHEAT COIL
EA	EXHAUST AIR	RM	ROOM
EF	EXHAUST FAN	SA	SUPPLY AIR
(E)	EXISTING	SCV	SELF CONTAINED VALVE
EXIST.	EXISTING	SD	SMOKE DETECTOR
FBO	FURNISHED BY OWNER	SF	SUPPLY FAN
FBP	FACE AND BYPASS	SG	STEAM GENERATOR
FMS	FLOW MEASURING STATION	SS	STAINLESS STEEL
FD	FIRE DAMPER	TE	TEMPERATURIZED ELEMENT (SENSOR)
FG	FIBERGLASS	TYP	TYPICAL
F & T	FLOAT AND THERMOSTATIC	UH	UNIT HEATER
FTR	FINNED TUBE RADIATION	UV	UNIT VENTILATOR
FS	FLOW SWITCH	VAV	VARIABLE AIR VOLUME BOX
GC	GENERAL CONTRACTOR	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
H	HUMIDIFIER	VD	MANUAL VOLUME DAMPER
HB	HOSE BIB	VCFF	VALVED AND CAPPED FOR FUTURE
HRU	HEAT RECOVERY UNIT	VFD	VARIABLE FREQUENCY DRIVE
HTR	HEATER	W/	WITH

REV	DESCRIPTION	DATE
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STATE OF MAINE — DAVID R. VASHON — No. 6103 — LICENSED PROFESSIONAL ENGINEER — 08-14-2020

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MEN'S REENTRY CENTER

MACHIASPORT, MAINE

MECHANICAL CONTROLS LEGEND & ABBREVIATIONS

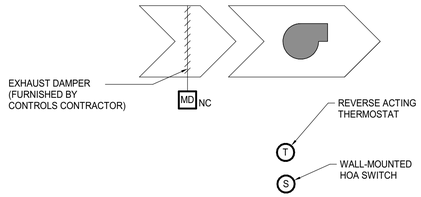
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DRV		
JOB CAPTAIN:	CBM		M-650
DRAWN BY:	KPB		
SMRT FILE:	M-650-19176	SHEET No.	

24x36



GENERAL:

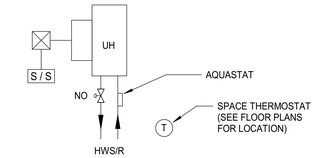
1. EXHAUST DAMPERS ARE FURNISHED BY THE FAN MANUFACTURER.
2. CONTROLS CONTRACTOR SHALL PROVIDE EXHAUST AIR DAMPER AND EXHAUST AIR CONTROL DAMPER ACTUATOR.
3. CONTROL DAMPER ACTUATORS SHALL BE DIRECT-COUPLED ELECTRONIC.
4. CONTROLS CONTRACTOR SHALL PROVIDE WALL-MOUNTED HAND-OFF-AUTO (HOA) SWITCH.
5. CONTROLS CONTRACTOR SHALL MOUNT AND WIRE ALL CONTROLS AND COMPONENTS THAT REQUIRED FIELD INSTALLATION AND SHALL PROVIDE ALL FIELD WIRING REQUIRED FOR COMPLETE AND PROPERLY FUNCTIONING FAN VENTILATION SYSTEM.
6. PROVIDE CONTROL DAMPER ACTUATORS WITH AUXILIARY END SWITCHES TO PROVE DAMPER OPEN PRIOR TO THE FAN STARTING.

FAN (EF-1) CONTROL:

1. FAN SWITCH IN THE "HAND" POSITION: THE EXHAUST AIR CONTROL DAMPER SHALL OPEN. ONCE THE DAMPER HAS BEEN PROVEN FULLY OPEN, THE FAN SHALL START.
2. FAN SWITCH IN THE "OFF" POSITION: THE FAN IS DE-ENERGIZED, THE EXHAUST AIR CONTROL DAMPER IS FULLY CLOSED.
3. FAN SWITCH IN THE "AUTO" POSITION": CONTROL SHALL BE THROUGH THE WALL-MOUNTED THERMOSTAT SUCH THAT UPON A RISE IN TEMPERATURE ABOVE SET-POINT (85°F - ADJUSTABLE), THE EXHAUST AIR CONTROL DAMPER SHALL OPEN. ONCE THE DAMPER HAS BEEN PROVEN FULLY OPEN, THE FAN SHALL START. THE FAN SHALL OPERATE CONTINUOUSLY UNTIL THE TEMPERATURE DROPS BELOW AN ADJUSTABLE DEAD BAND OF 5°F, AT WHICH POINT THE FAN SHALL STOP AND THE DAMPER SHALL CLOSE.

TEMPERATURE CONTROLLED EXHAUST FAN (EF-1) SEQUENCE OF OPERATION

NOT TO SCALE E6

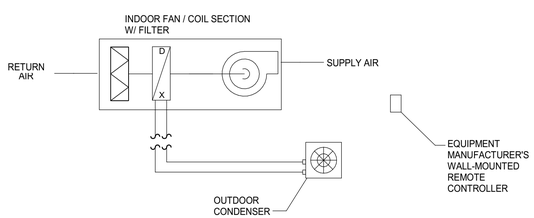


UNIT HEATER (HYDRONIC):

1. UH / CUH SHALL BE CONTROLLED VIA STAND-ALONE THERMOSTATS AND CONTROL VALVES.
2. PROVIDE UH WITH SPACE THERMOSTAT, 2-WAY, 2-POSITION CONTROL VALVE AND STRAP-ON AQUASTAT. ALL CONTROL DEVICES SHALL BE WIRED UNDER THE WORK OF THE CONTROLS CONTRACTOR.
3. ALL TEMPERATURE SETPOINTS SHALL BE ADJUSTABLE. TEMPERATURES LISTED ARE FAHRENHEIT.
4. MOTOR RATED RELAYS SHALL BE PROVIDED TO INTERFACE MANUAL MOTOR STARTER WITH CONTROL WIRING TO SATISFY CONTROL SEQUENCE.
5. THE UNIT HEATER'S FAN SHALL NORMALLY BE DE-ENERGIZED. UPON A DROP IN TEMPERATURE BELOW SET POINT (65°F), AS SENSED BY THE LOCAL SPACE THERMOSTAT, THE CONTROL VALVE SHALL OPEN AND AFTER AN ADJUSTABLE TIME DELAY, THE UNIT HEATER'S FAN SHALL BE ENERGIZED. THE REVERSE SHALL OCCUR UPON A RISE IN TEMPERATURE ABOVE 68°F.
6. STRAP-ON AQUASTAT ON THE SUPPLY WATER PIPING SHALL PREVENT THE OPERATION OF THE FAN IF THE HOT WATER TEMPERATURE IS BELOW 100°F.

HYDRONIC UNIT HEATER - SEQUENCE OF OPERATION

NOT TO SCALE E1



GENERAL

- PROVIDED WITH MANUFACTURER'S WALL-MOUNTED REMOTE CONTROLLER. CONTROLLER SHALL HAVE AS A MINIMUM: MODE OF OPERATION, ADJUSTABLE TEMPERATURE SET-POINTS AND FAN SPEED SELECTION BUTTONS.
- INSTALL, WIRE AND TEST MANUFACTURER'S CONTROLS. DEMONSTRATE PROPER FUNCTIONALITY OF EACH CONTROL MODE (I.E. AUTO, OFF, COOL, FAN ONLY), TEMPERATURE ACCURACY AND FAN SPEED OPERATION.
- TEMPERATURE SET-POINTS ARE MANUALLY ADJUSTABLE AT THE ROOM CONTROLLER.

OPERATING MODES

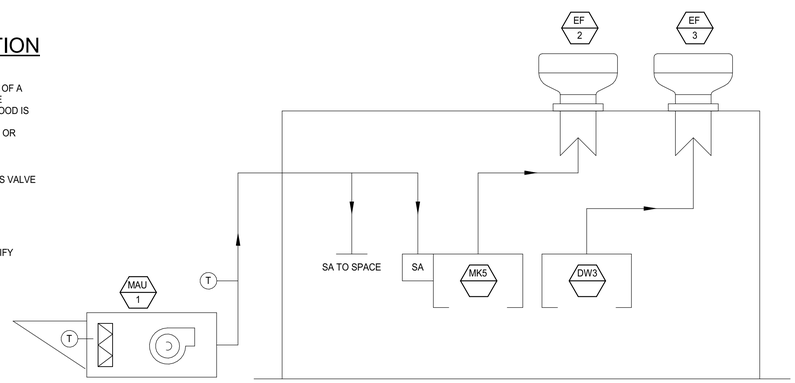
- THE SYSTEM (OUTDOOR CONDENSER AND INDOOR COIL / FAN SECTION) SHALL OPERATE IN COOLING MODE PER MANUFACTURER'S SYSTEM CONTROLS. THE SYSTEM SHALL BE CAPABLE OF COOLING THE SPACE TO 75°F.

SINGLE ZONE DUCTLESS A/C SEQUENCE OF OPERATION

NOT TO SCALE A11

KITCHEN VENTILATION SEQUENCE OF OPERATION

1. KITCHEN HOOD VENDOR'S CONTROL PACKAGE SHALL PERFORM ALL OPERATIONS BELOW.
2. EXHAUST FAN OPERATION: KITCHEN HOOD EXHAUST FAN (EF-2) SHALL BE ENABLED UPON ACTIVATION OF A HOOD-MOUNTED CONTROL PANEL. WHEN EF-2 IS ENERGIZED, THE MAKE-UP AIR UNIT (MAU-1) SHALL BE ENERGIZED. EF-2 SHALL NOT RUN UNTIL THE MAKE-UP AIR UNIT IS PROVEN ON. WHEN THE KITCHEN HOOD IS SWITCHED TO THE OFF POSITION, EF-2 AND MAU-1 SHALL BE DISABLED. DISHWASHER HOOD EXHAUST FAN (EF-3) SHALL BE MANUALLY ACTIVATED AND DEACTIVATED BY HOOD OR WALL-MOUNTED SWITCH, PROVIDED BY HOOD MANUFACTURER.
3. MAU-1:
   A. MAKE-UP AIR UNIT SHALL BE CONTROLLED VIA THE KITCHEN HOOD CONTROLLER.
   B. LP GAS FIRED HEAT SHALL ACTIVATE WHEN DISCHARGE AIR TEMPERATURE DROPS BELOW 55 F. GAS VALVE SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMP AT 55 F MINIMUM.
4. SAFETIES:
   A. ACTIVATION OF THE ANSUL SYSTEM SHALL BE REPORTED TO THE FIRE ALARM SYSTEM.
   B. ACTIVATION OF THE ANSUL SYSTEM SHALL CLOSE ALL GAS SOLENOID VALVE TO THE KITCHEN EQUIPMENT.
   C. GAS VALVE SHALL REQUIRE MANUAL RESET. PROVIDE SIGNAGE TO INDICATE OPERATE TO VERIFY PILOT IGNITION ON ALL DEVICES AFTER GAS VALVE IS RESET.



KITCHEN VENTILATION SEQUENCE OF OPERATION

NOT TO SCALE A1

NOTES:

1. SEE SHEET M-650 FOR LEGEND AND ABBREVIATIONS.

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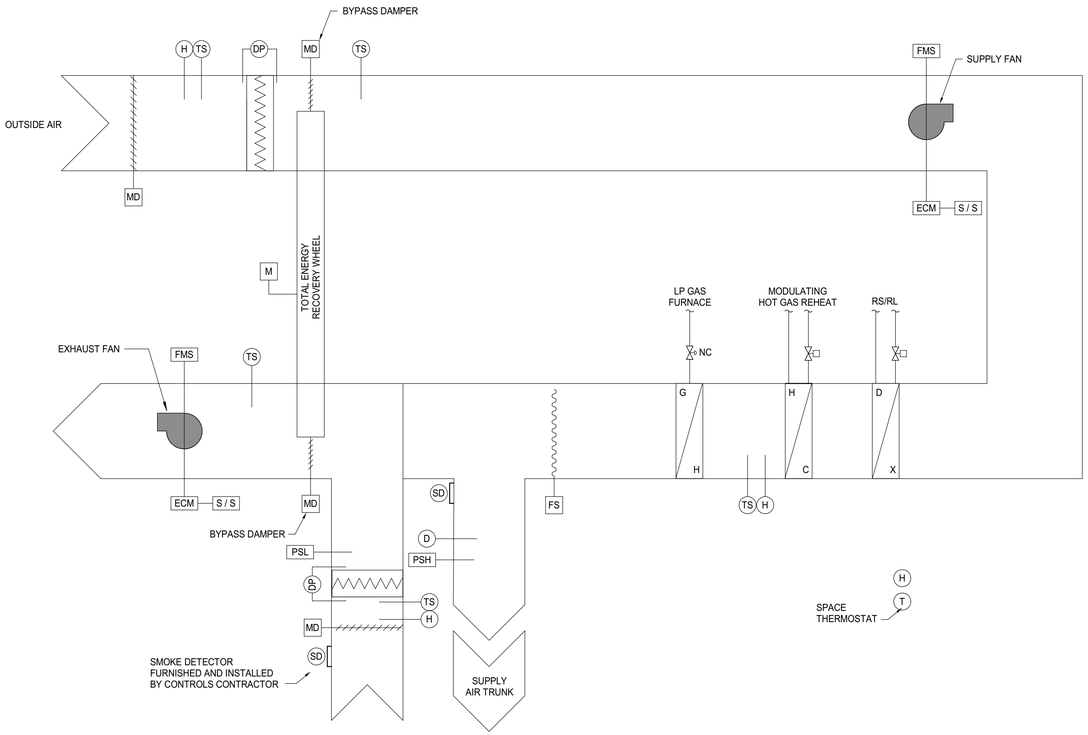

ENERGY RECOVERY UNIT - SEQUENCE OF OPERATIONS
NOT TO SCALE 1

DEDICATED OUTSIDE AIR UNIT WITH ENERGY RECOVERY SEQUENCE OF OPERATION

STARTING SEQUENCE
OCCUPIED OPERATION BEGINS WHEN THE UNIT (ERU) IS PLACED IN OCCUPIED MODE WHEN OAUTS-7 & 8 ARE CLOSED ON THE FIELD WIRING TERMINAL STRIP. THE ERU MUST NOT BE IN ESTOP TO BEGIN STARTING SEQUENCE. OAUTS-9 & 10 ON THE FIELD WIRING TERMINAL STRIP ARE USED AS AN EXTERNAL ESTOP FOR THE ERU. DURING THE STARTING SEQUENCE, THE OUTDOOR AIR DAMPER IS OPENED TO ITS STARTING POSITIONS

SUPPLY FAN SEQUENCE
THE OA DAMPER END SWITCH MUST BE MADE TO BEGIN SUPPLY FAN SEQUENCE ON THE ERU WITH A TWO-POSITION OUTDOOR AIR DAMPER. THE SUPPLY FAN SEQUENCE SHALL START IMMEDIATELY. IF AFTER 90 SECONDS THE SUPPLY FAN PROVING SWITCH IS NOT MADE, THE ERU SHALL LOCK OUT ON SUPPLY FAN FAILURE.

CONSTANT VOLUME WITH ECM: USING THE SUPPLY AIR FLOW ACTIVE FROM THE SUPPLY FAN PIEZO READING, THE ERU CONTROLS SUPPLY FAN SPEED TO THE SUPPLY AIR FLOW SETPOINT.

VENTILATION MODE
VENTILATION MODE SHALL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE IS BETWEEN THE OUTDOOR AIR COOLING SETPOINT (OACS) AND OUTDOOR AIR HEATING SETPOINT (OAHS) AND MUST NOT BE IN DEHUMIDIFICATION MODE. DURING VENTILATION MODE THE HEATING AND COOLING ARE LOCKED OUT.

PRIMARY HEATING MODE
DURING HEATING MODE, THE HEATING SIGNAL SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT ACTIVE. MAXIMUM SUPPLY AIR TEMPERATURE SHALL BE SET TO (95°F) FOR GAS HEATING. HOT GAS REHEAT IS INACTIVE DURING HEATING MODE. IN THE EVENT OF AN IGNITION FAILURE ON INDIRECT FIRED GAS HEAT, THE MAIN ERU CONTROLLER SHALL RETRY TO IGNITE THE GAS HEATER THREE TIMES BEFORE LOCKING OUT THE HEATER.

SPACE CONTROL: HEATING MODE SHALL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE ACTIVE FALLS BELOW THE OUTDOOR AIR HEATING SETPOINT (OAHS). IF THE OUTDOOR AIR TEMPERATURE IS ABOVE THE OUTDOOR AIR HEATING SETPOINT BUT BELOW THE OUTDOOR AIR COOLING SETPOINT (OACS) AND THE ERU IS NOT IN DEHUMIDIFICATION MODE, THEN THE ERU WILL CHANGE MODES AS NEEDED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT ACTIVE.

DEHUMIDIFICATION MODE
DURING DEHUMIDIFICATION MODE THE COOLING CAPACITY MODULATES TO MAINTAIN THE TEMPERATURE OFF THE INDOOR COIL TO THE EVAPORATOR LEAVING TEMPERATURE SETPOINT. THE HOT GAS RE-HEAT WILL CONTROL TO THE DISCHARGE AIR TEMPERATURE SETPOINT ACTIVE.

SPACE CONTROL: IF THE DISCHARGE AIR DEW POINT RISES ABOVE 58°F (ADJ.) FOR 5 MINUTES (ADJ.), THE DX COIL SHALL BE CONTROLLED BETWEEN 50°F AND 55°F AND THE HOT GAS REHEAT COIL SHALL BE MODULATED TO MAINTAIN COOLING SETPOINT. UPON A DROP IN DEW POINT BELOW 57°F (ADJ.) FOR 10 MINUTES THE DEHUMIDIFICATION CYCLE SHALL END.

HOT GAS REHEAT PURGE: FOLLOWING CONTINUOUS 30-MINUTE HOT GAS REHEAT OPERATION AT LESS THAN 50% REHEAT CAPACITY A PURGE CYCLE SHALL BE INITIATED. DURING THE PURGE CYCLE, THE HOT GAS REHEAT SIGNAL IS SET AND HELD AT 100% FOR A PERIOD OF THREE MINUTES. FOLLOWING THE PURGE CYCLE, NORMAL OPERATION SHALL RESUME.

COOLING MODE
DURING COOLING MODE, THE COOLING CAPACITY SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE ACTIVE TO THE DISCHARGE AIR TEMPERATURE SETPOINT ACTIVE. THE HOT GAS RE-HEAT SHALL BE ENGAGED TO PREVENT CYCLING OF THE COMPRESSORS AND BRING THE DISCHARGE AIR TEMPERATURE TO SETPOINT.

SPACE CONTROL: COOLING MODE SHALL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE ACTIVE IS ABOVE THE OUTDOOR AIR COOLING SETPOINT (OACS). IF THE ERU IS BELOW THE OUTDOOR AIR COOLING SETPOINT (OACS) BUT ABOVE THE OUTDOOR AIR HEATING SETPOINT (OAHS), THEN THE ERU SHALL ALTERNATE BETWEEN HEATING AND COOLING MODES TO MAINTAIN THE SPACE TEMPERATURE SETPOINT ACTIVE.

DISCHARGE CONTROL: COOLING MODE SHALL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE ACTIVE IS ABOVE THE OUTDOOR AIR COOLING SETPOINT (OACS).

EXHAUST FAN OPERATION
EXHAUST FAN CONTROL IS INTERLOCKED WITH SUPPLY FAN OPERATION. THE ERU SHALL BE INSTALLED WITH ISOLATION DAMPERS ON THE POWERED EXHAUST. THE DAMPER PROVING SWITCHES MUST BE PROVEN BEFORE THE EXHAUST FAN IS ENABLED. THE EXHAUST FAN STATUS SHALL BE MONITORED USING A PROVING SWITCH.

ECM EXHAUST WITH 2-POSITION OA DAMPER: USING THE EXHAUST AIR FLOW ACTIVE FROM THE EXHAUST FAN PIEZO READING, THE ERU CONTROLS EXHAUST FAN SPEED TO A CONSTANT VOLUME ACCORDING TO THE EXHAUST AIR FLOW SETPOINT.

ENERGY RECOVERY WHEEL OPERATION
THE ENERGY RECOVERY WHEEL (ERW) IS INTERLOCKED WITH THE SUPPLY AND EXHAUST FAN OPERATION IN OCCUPIED HEATING, DEHUMIDIFICATION OR COOLING MODES. WHEN OPERATING IN ECONOMIZER OR VENTILATION MODE, THE ERW IS DISABLED AND THE ERW BYPASS DAMPERS WILL OPEN, BUT POWERED EXHAUST REMAINS ON. IF ECONOMIZER OR VENTILATION MODE HAS BEEN ENABLED FOR TEN MINUTES THE ERW WILL JOG FOR ONE MINUTE TO PREVENT MOLD BUILDUP. ERW OPERATION SHALL BE DISABLED DURING UNOCCUPIED MODE.

ENERGY WHEEL WITH MODULATING BYPASS ON SUPPLY
DURING ERW OPERATION, IF THE EXHAUST TEMPERATURE DROPS BELOW 15°F, THE OUTDOOR AIR BYPASS DAMPER SHALL MODULATE OPEN TO PREVENT FROST ACCUMULATION.

SAFETY DEVICES
SUPPLY AND EXHAUST DUCT SMOKE DETECTOR SHALL STOP FANS, CLOSE OUTSIDE AIR DAMPERS AND SIGNAL ALARM IF SMOKE IS DETECTED.

NOTES:

1. SEE SHEET M-650 FOR LEGEND AND ABBREVIATIONS.

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24x36

LIGHTING

- 2x4 FIXTURE; Ab: ASSOCIATED CONTROL DEVICE; FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- 1x4 FIXTURE
- 2x2 FIXTURE
- FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT
- FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT
- FIXTURE WIRED TO SWITCHED EMERGENCY CIRCUIT
- DOWN LIGHT
- INDUSTRIAL STRIP
- WALL MOUNTED FIXTURES
- TRACK LIGHTING
- POLE MOUNTED SITE LIGHTING FIXTURE
- ab: FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- FLOOD LIGHT
- WALL WASH LIGHT FIXTURE
- EXIT SIGN, CEILING MOUNTED; ARROW INDICATES EGRESS DIRECTION; SHADING INDICATES SIGN FACE
- EXIT SIGN, WALL MOUNTED; SHADING INDICATES SIGN FACE
- TD: DUAL HEAD EMERGENCY LIGHT BATTERY PACK; TD - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WP: WALL PACK
- S_3: 3-WAY TOGGLE SWITCH
- S_a: SINGLE POLE TOGGLE SWITCH; INDICATES CONTROLLED FIXTURE
- S_4: 4-WAY TOGGLE SWITCH
- S_{II}: DUAL LEVEL SWITCHING
- S_D: DIMMER SWITCH, INCANDESCENT OR FLUORESCENT AS REQUIRED.
- S_P: TOGGLE SWITCH WITH PILOT LIGHT
- S_T: TIMER SWITCH, SPRING WOUND
- S_{DT}: SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF
- S_{WP}: WEATHER PROOF
- S_{XP}: EXPLOSION PROOF
- S_{OS}: OCCUPANCY SENSOR SWITCH
- a: OCCUPANCY SENSOR; a. INDICATES CONTROLLED FIXTURE; INDICATES AIMING DIRECTION
- OSR: OCCUPANCY SENSOR RELAY
- DS; x: DAYLIGHT SENSOR; LIGHTS CONTROLLED BY SENSOR

COMMUNICATION & DATA SYSTEMS

- TELEPHONE SYSTEM WALL JACK; W-INDICATES WALL MOUNTED AT 60" AFF; P-INDICATES PAYPHONE; (2)-INDICATES 2 OUTLETS, SINGLE BOX
- DATA SYSTEM OUTLET
- COMBINATION VOICE/DATA SYSTEM OUTLET; D-DATA LINE V-VOICE LINE I-ITV VIDEO LINE
- UNDERFLOOR TELEPHONE SYSTEM OUTLET
- UNDERFLOOR DATA SYSTEM OUTLET
- UNDERFLOOR VOICE & DATA OUTLET
- CATV: CABLE TELEVISION SYSTEM OUTLET. MOUNT 18"AFF UNLESS OTHERWISE NOTED
- CCTV: CLOSED CIRCUIT TELEVISION OUTLET. MOUNT 18" AFF UNLESS OTHERWISE NOTED
- PA: PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER
- S: PAGING SYSTEM SPEAKER. CEILING MOUNTED
- S; 1: PAGING SYSTEM SPEAKER. WALL MOUNT AT 7'-6" AFF; 1. FLUSH, 2. SURFACE, 3. HORN, 4. DUAL HORN
- VC: VOLUME CONTROL
- HC: INTERCOM SYSTEM HAND KEY
- CS: CLOCK SPEAKER
- HS: INTERCOM SYSTEM HAND SET
- C: WALL MOUNTED CLOCK
- CEILING MOUNTED DATA SYSTEM OUTLET

POWER

- (4); 30A: NON-FUSED SAFETY SWITCH; AMPERE RATING; NEMA ENCLOSURE RATING
- (4); F; 60AS 40AF: FUSED SAFETY SWITCH. TOP NUMBER INDICATES SWITCH AMPERE RATING. LOWER NUMBER INDICATES FUSE RATING; NEMA ENCLOSURE
- 1; (4): MAGNETIC MOTOR STARTER. FVNR UNLESS INDICATED OTHERWISE; NEMA ENCLOSURE RATING; NEMA SIZE (TYPICAL)
- CB; 30/1: COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING SECOND NUMBER INDICATES NEMA STARTER SIZE
- F; 60/40/1: COMBINATION FUSED DISCONNECT/MAGNETIC MOTOR STARTER NUMBERS INDICATE DISCONNECT AMPERE RATING/FUSE RATING/NEMA STARTER SIZE
- 30/1: NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING SECOND NUMBER INDICATES NEMA STARTER SIZE
- M; OL: MANUAL MOTOR STARTER. TOGGLE OPERATED, 1,2 OR 3 POLE AS REQUIRED. OVERLOAD PROTECTION
- M: MANUAL MOTOR SWITCH, TOGGLE OPERATED, SINGLE PHASE. 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)
- CB; 100A: ENCLOSED CIRCUIT BREAKER; AMPERE RATING
- 5: ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING
- 5: EXPLOSION PROOF MOTOR
- VAV: VARIABLE AIR VOLUME CONTROL ACTUATORS
- HS: LOCAL SELECTOR SWITCH; H/O/A - HAND/OFF/AUTO
- EMO: EMERGENCY OFF BREAK GLASS STATION
- PB: PUSHBUTTON STATION
- J: JUNCTION BOX
- T: TRANSFORMER
- P: POWER POLE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EY CONDUIT SEAL
- E: DUPLEX RECEPTACLE, NEMA 5-20R. INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)
- WP: GFI DUPLEX RECEPTACLE, NEMA 5-20R; PROVIDE WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF IN-USE COVER
- HOSPITAL GRADE DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE GFCI DUPLEX RECEPTACLE, NEMA 5-20R
- IG: HOSPITAL GRADE ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R
- SINGLE RECEPTACLE, NEMA 5-20R
- DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE NEMA 5-20R
- S: SWITCHED RECEPTACLE
- FLOOR OUTLET, DUPLEX RECEPTACLE, NEMA 5-20R
- POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED.
- POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED.
- PANELBOARD, NORMAL POWER
- PANELBOARD, EMERGENCY POWER
- MULTI OUTLET ASSEMBLY
- CP: GRAPHIC CONTROL PANEL
- PPA-XX: BRANCH; CIRCUIT NUMBER; INDICATES PANEL NAME
- XXX: EQUIPMENT TAG
- HOME RUN TO INDICATED PANEL

FIRE ALARM

- FACP: FIRE ALARM CONTROL PANEL
- FAA: FIRE ALARM ANNUNCIATOR
- M: FIRE ALARM MASTER BOX
- F: FIRE ALARM MANUAL PULL STATION
- F: FIRE ALARM SPEAKER/STROBE UNIT
- F: FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE CLEAN ROOM NOTIFICATION (LOCAL)
- F; (110); C: FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE; CANDELA INTENSITY-15/75 UNLESS OTHERWISE NOTED; CEILING MOUNTED
- P; A: PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNTED; INDICATES AUXILIARY CONTACT.
- H; <TPP-1>: FIXED TEMPERATURE HEAT DETECTOR. CEILING MOUNTED.; INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR
- P1; <RC-1>: CLEAN ROOM SMOKE DETECTOR; INDICATES EQUIPMENT INTERLOCKED WITH THE SMOKE DETECTOR
- H; R: HEAT DETECTOR. CEILING MOUNTED; COMBINATION RATE-OF-RISE/FIXED TEMPERATURE
- D: DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH AUXILIARY CONTACT.
- FS: SPRINKLER SYSTEM FLOW SWITCH
- TS: SPRINKLER SYSTEM TAMPER SWITCH
- DH: FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
- INTERLOCK RELAY
- SD: SMOKE DAMPER
- RTI: DUCT SMOKE DETECTOR REMOTE TEST INDICATOR
- K: KNOX BOX
- C: CARBON MONOXIDE DETECTOR
- CS: COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

SECURITY SYSTEMS

- DOOR CONTACT
- CR: CARD READER
- KP: KEY PAD
- CCTV: CLOSED CIRCUIT TELEVISION CAMERA
- ES: ELECTRIC STRIKE
- ML: MAG LOCK

GROUNDING

- GROUND ROD
- EXOTHERMIC WELD CONNECTION
- BOLTED CONNECTION
- G: BARE COPPER CONDUCTOR RUN EXPOSED
- G: BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

LINE TYPES

- EXISTING
- NEW
- DEMOLITION

ONE LINE DIAGRAM

- 52: MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER
- AF; AT; EO: LOW VOLTAGE DRAWOUT CIRCUIT BREAKER; AF - AMP FRAME; AT - AMP TRIP; EO - ELECTRICALLY OPERATED
- MOLDED CASE CIRCUIT BREAKER
- ST: ST - SHUNT TRIP; GF - GROUND FAULT; EO - ELECTRICALLY OPERATED
- DISCONNECT, ISOLATION OR SAFETY SWITCH
- FUSED CUTOUT
- FUSED LOAD BREAK SWITCH
- MEDIUM VOLTAGE MOTOR STARTER
- 1: MAGNETIC MOTOR STARTER. NUMERAL INDICATES NEMA SIZE FVNR UNLESS OTHERWISE NOTED. FVR - FULL VOLTAGE REVERSING; RVAT - REDUCING VOLTAGE AUTO TRANSFORMER 2S - TWO SPEED
- CAPACITOR
- VFD: VARIABLE FREQUENCY DRIVE
- OA: POWER TRANSFORMER; OA - LIQUID TYPE SELF COOLED; AA - DRY TYPE SELF COOLED; FA - FAN COOLED
- CONNECTION
- SHIELDED ISOLATION TRANSFORMER
- 2; 480/120: POTENTIAL TRANSFORMER; RATIO; NUMBER REQUIRED
- 3; 600/5: CURRENT TRANSFORMER; RATIO; NUMBER REQUIRED
- GROUND FAULT CURRENT TRANSFORMER
- 5: MOTOR, NUMBER INDICATES HORSEPOWER
- GENERATOR
- N; E; L; ATS: ATS - AUTOMATIC TRANSFER SWITCH; MTS - MANUAL TRANSFER SWITCH
- A: METER; A - AMMETER; V - VOLTMETER; W - WATTMETER; WH - WATT HOURMETER; KWH - KILOWATT HOUR; KVAR - KILOVAR METER; VAR - VAR METER; HZ - FREQUENCY METER; PF - POWER FACTOR METER
- DPM: DIGITAL POWER METER
- AS: METER TRANSFER SWITCH; AS - AMMETER SWITCH; VS - VOLTMETER SWITCH
- TVSS: TRANSIENT VOLTAGE SURGE SUPPRESSOR
- LA: LIGHTNING ARRESTOR
- K: KEY INTERLOCK
- FUSE
- E; F: ELECTRONIC POWER FUSE
- DRAWOUT DEVICE
- GROUND

ABBREVIATIONS

A,AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
BOS	BOTTOM OF STEEL
C	CONDUIT, CONDUCTOR
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
DB	DIRECT BURIED
DISC	DISCONNECT
DN	DOWN
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FU	FUSE
FWE	FURNISHED WITH EQUIPMENT
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT BREAKER
GND	GROUND
HP	HORSEPOWER
HTR	HEATER
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT-HOUR
LA	LIGHTNING ARRESTER
LTG	LIGHTING
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MI	MINERAL INSULATED
MLO	MAIN LUG ONLY
MTD	MOUNTED
MV	MEDIUM VOLTAGE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PF	POWER FACTOR
PH	PHASE
PVC	POLYVINYL CHLORIDE
RGS	RIGID STEEL CONDUIT
RSC	RIGID STEEL CONDUIT
RTD	RESISTANCE TEMPERATURE DETECTOR
SN	SOLID NEUTRAL
STP	SHIELDED TWISTED PAIR
STT	SHIELDED TWISTED TRIPLET
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TOS	TOP OF STEEL
TRANSF	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
V	VOLT
VA	VOLT-AMPERE
VAR	VOLT-AMPERE REACTIVE
WM	WATT METER
WP	WEATHER PROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

GENERAL NOTES:

1. WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
2. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 260000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
3. UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF, FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES TO TOP OF DEVICE.
4. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
5. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
6. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
7. UNLESS OTHERWISE NOTED WIRING SHALL BE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
8. FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
9. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120/277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, HUBBELL, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
10. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE TAMPER RESISTANT GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, HUBBELL, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
11. PROVIDE WALL PLATES FOR ALL WIRING DEVICES. NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS. ALL WIRING DEVICES PLATES TO BE PROVIDED WITH TAMPER PROOF SCREWS IN FINISHED SPACES.
12. ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION.

GENERAL NOTE

ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

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08-14-20

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MACHIASPORT, MAINE

LEGEND AND GENERAL NOTES

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

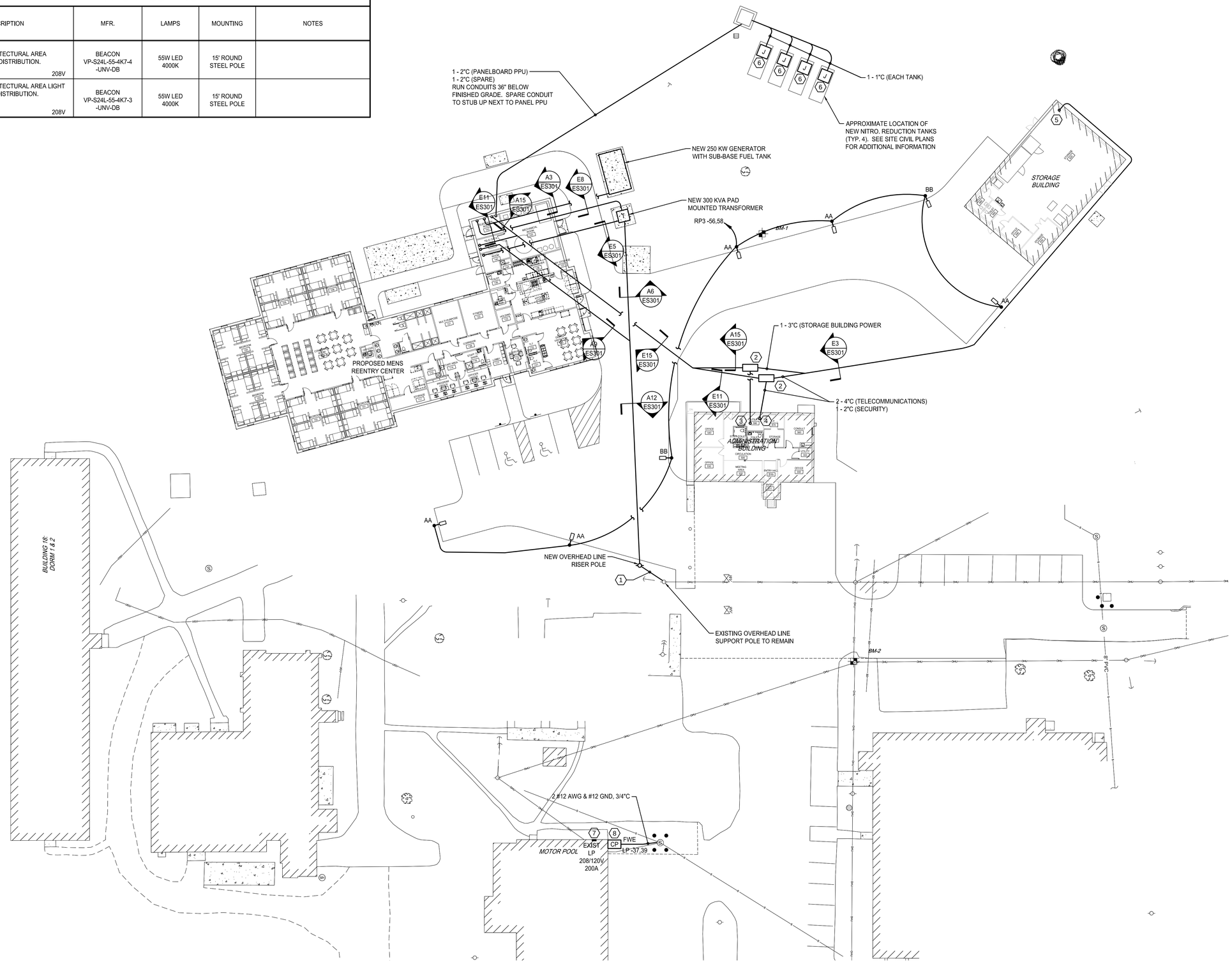
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		E-001
DRAWN BY:	TAR		
SMRT FILE:	E-001-19176	SHEET No.	

24x36

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
AA	FULL CUT-OFF ARCHITECTURAL AREA LIGHT W/IES TYPE IV DISTRIBUTION. 208V	BEACON VP-S24L-55-4K7-4 -UNV-DB	55W LED 4000K	15' ROUND STEEL POLE	
BB	FULL CUT-OFF ARCHITECTURAL AREA LIGHT W/IES TYPE III WIDE DISTRIBUTION. 208V	BEACON VP-S24L-55-4K7-3 -UNV-DB	55W LED 4000K	15' ROUND STEEL POLE	



NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. ALL SITE LIGHTING WIRING TO BE 2 #10 AWG & #10 GND RUN IN A 1" CONDUIT 36" BELOW FINISHED GRADE.

KEYED NOTES:

1. FURNISH & INSTALL NEW RISER POLE AND EXTEND EXISTING OVERHEAD PRIMARY WIRING TO NEW POLE. FROM RISER POLE RUN NEW PRIMARY WIRING DOWN RISER POLE IN RIGID STEEL CONDUIT AND RUN UNDERGROUND TO NEW PAD MOUNT TRANSFORMER. NEW OVERHEAD WIRING TO MATCH WHAT IS CURRENTLY BEING USED ON SITE.
2. FURNISH & INSTALL AND 18"x 24" x 48" DEEP HAND HOLE FOR ELECTRICAL AND COMMUNICATIONS WIRING TO THE ADMINISTRATION BUILDING.
3. CONDUIT TO BE RUN IN CRAWL SPACE BELOW THE BUILDING AND STUB UP INTO NEW PANELBOARD PPA. SEE SHEET E-103 FOR LOCATION OF PANELBOARD PPA.
4. SECURITY AND TELECOMMUNICATIONS CONDUITS TO BE RUN IN CRAWL SPACE BELOW THE BUILDING AND STUB UP INTO THE EXISTING IT ROOM. SEE SHEET E-103 FOR STUB-UP LOCATION.
5. CONDUIT FOR EXISTING PANELBOARD NEW FEEDER TO STUB UP INTO PANELBOARD AND SECURITY/ TELECOMMUNICATIONS CONDUITS TO BE STUBBED UP NEXT TO EXISTING PANELBOARD. EXISTING NORMAL AND GENERATOR PANELBOARD FEEDERS TO BE REMOVED BACK TO SOURCE.
6. RUN A 1" CONDUIT OUT FROM EACH NITROGEN REDUCTION SYSTEM CONTROL PANEL OUT EACH NITROGEN TANK FOR FLOAT SWITCH WIRING FURNISHED WITH EQUIPMENT. SEE SHEET E-104 FOR LOCATION OF CONTROL PANELS. COORDINATE ALL WORK WITH EQUIPMENT INSTALLER.
7. IN EXISTING MOTOR POOL BUILDING FEDERAL PACIFIC PANELBOARD LP FURNISH & INSTALL TWO NEW 20 AMP, SINGLE POLE CIRCUIT BREAKERS TO FEED WASTE PUMP AND WASTE PUMP CONTROLLER.
8. PROVIDE POWER FOR WASTE PUMP CONTROL PANEL, POWER FOR WASTE PUMP (VIA CONTROL PANEL) AND WIRING FOR PUMP STATION FLOAT SWITCHES. IN WASTE PIT WIRING TO BE SUITABLE FOR CLASS 1 DIVISION 1 HAZARDOUS LOCATION AND WIRING WITHIN 10' OF WASTE PIT TO BE SUITABLE FOR CLASS 1 DIVISION 2 HAZARDOUS LOCATION.

REV	DESCRIPTION	DATE

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ELECTRICAL SITE PLAN

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		ES101
DRAWN BY:	TAR		
SMRT FILE:	19176-ES101	SHEET No.	

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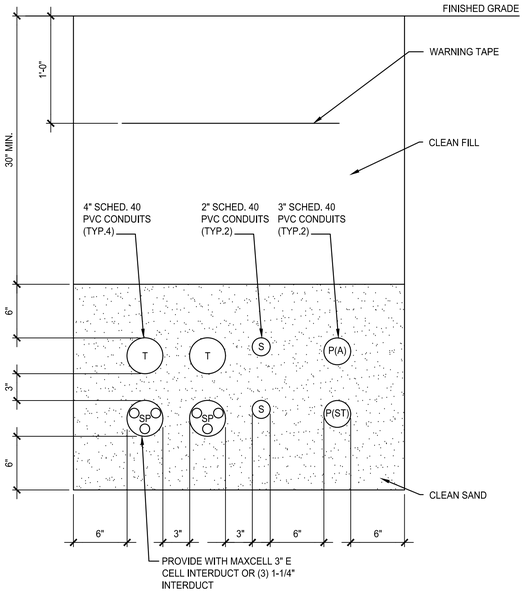
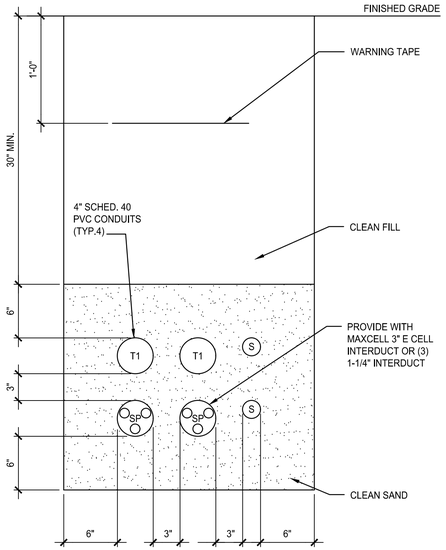


E15 DUCT BANK DETAIL
SCALE: NONE



E11 DUCT BANK DETAIL
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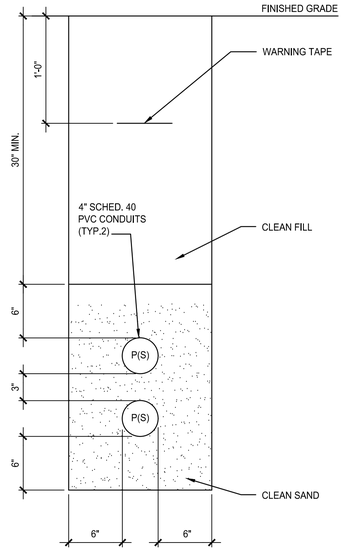
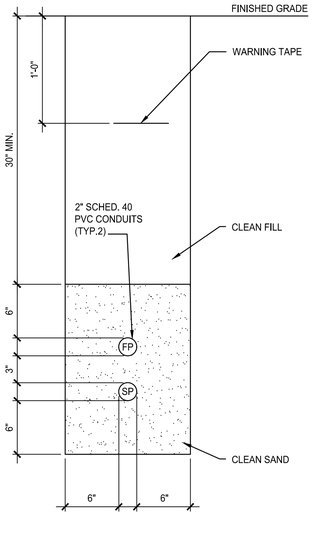


E8 DUCT BANK DETAIL
SCALE: NONE



E5 DUCT BANK DETAIL
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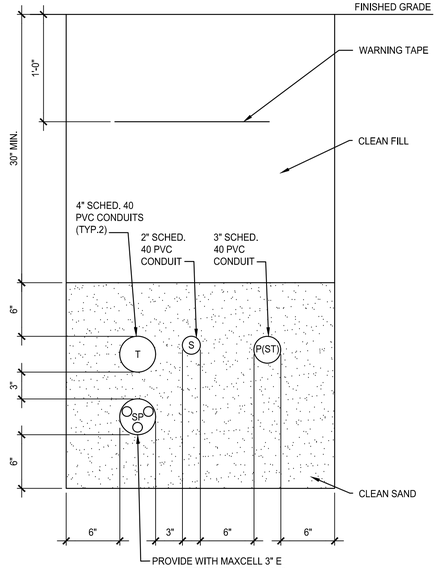

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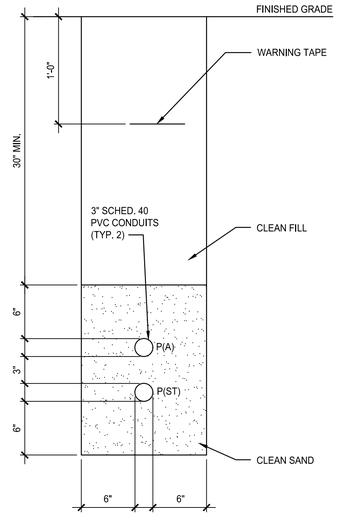

A15 DUCT BANK DETAIL
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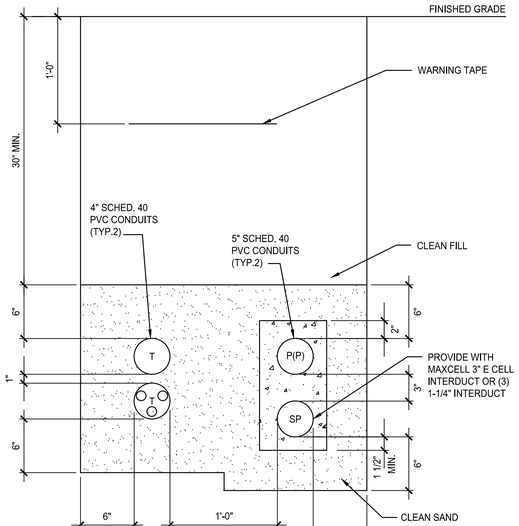

A12 DUCT BANK DETAIL
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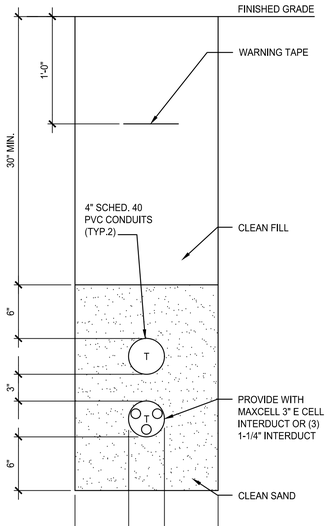

A9 DUCT BANK DETAIL
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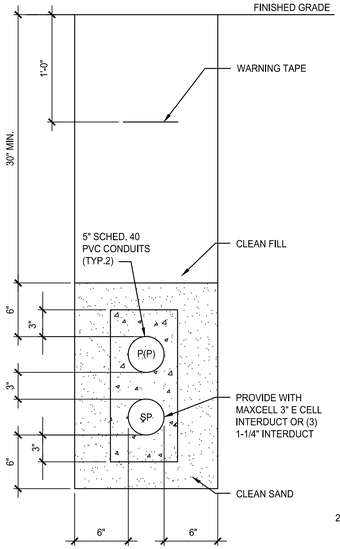

A6 DUCT BANK DETAIL
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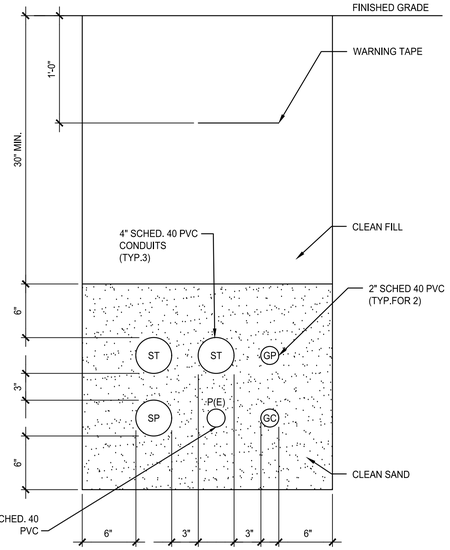

A3 DUCT BANK DETAIL
SCALE: NONE

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEY:

FP	FIRE PUMP WIRING
GC	GENERATOR CONTROL WIRING
GP	GENERATOR AUXILIARY POWER WIRING
P(E)	EMERGENCY POWER WIRING
P(P)	PRIMARY POWER WIRING
P(S)	SECONDARY POWER WIRING
S	SECURITY WIRING
SP	SPARE
ST	STANDBY POWER WIRING
P(A)	ADMINISTRATION BUILDING POWER WIRING
P(ST)	STORAGE BUILDING POWER WIRING
T	TELECOMMUNICATIONS WIRING

REV	DESCRIPTION	DATE

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SITE ELECTRICAL DETAILS

SHEET TITLE:

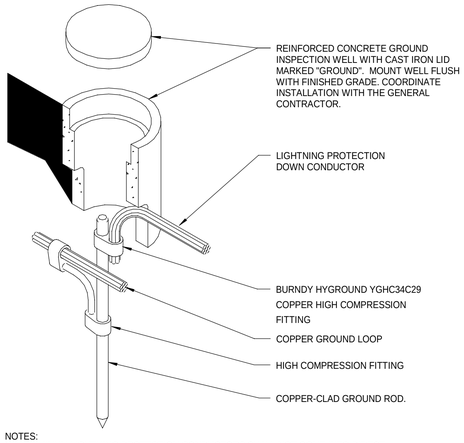
0 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		
DRAWN BY:	TAR		
SMRT FILE:	19176-ES301		

ES301
SHEET No.

24x36



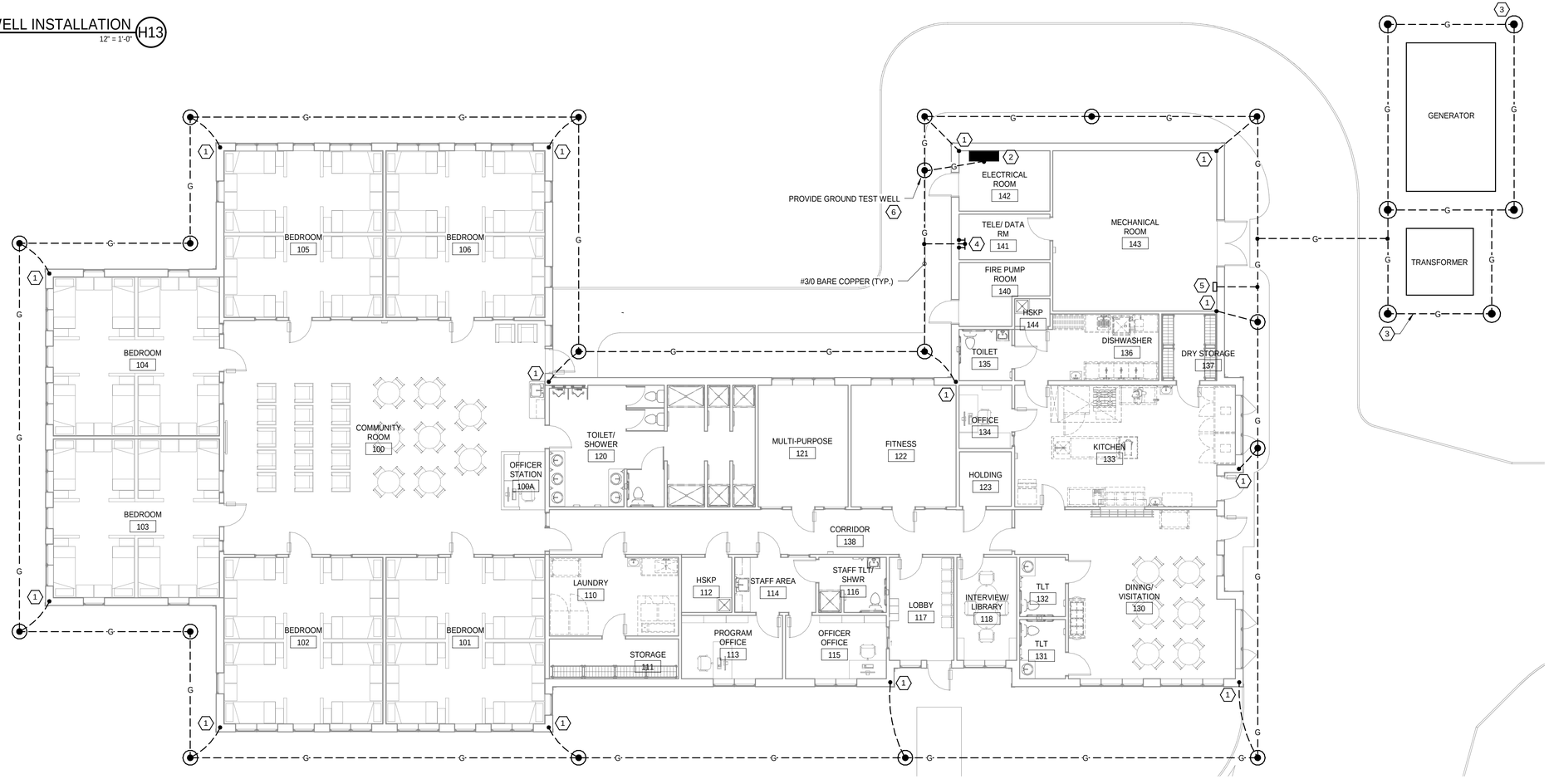
NOTES:
1. ALUMINUM LIGHTNING PROTECTION CONDUCTORS SHALL NOT COME INTO DIRECT CONTACT WITH EARTH.
2. A COPPER CONDUCTOR SHALL BE UTILIZED BETWEEN THE BIMETALLIC FITTING AND THE GROUND SYSTEM CONNECTION.
3. THE GENERAL CONTRACTOR SHALL CLEARLY MARK ALL OTHER SYSTEMS BELOW GRADE PRIOR TO THE COMMENCEMENT OF THE GROUND SYSTEM INSTALLATION.

GROUND ROD TEST WELL INSTALLATION (H13)

12" = 1'-0"

LIGHTNING PROTECTION ADD ALTERNATE:

1. PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM FOR THE BUILDING THAT HAS A UL 96A MASTER LABEL. SYSTEM INSTALLER SHALL SUBMIT SHOP DRAWINGS SHOWING ALL SYSTEM COMPONENTS, LOCATIONS AIR TERMINALS, LOCATIONS OF DOWN LEAD CONDUCTORS AND DETAILS OF EXACTLY HOW THE SYSTEM WILL BE INSTALLED TO ACHIEVE UL 96A MASTER LABEL.
2. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 3'-0" ON CENTER.
3. ALL LIGHTNING PROTECTION CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS TO FORM A TWO WAY PATH TO GROUND.
4. NO LIGHTNING PROTECTION CONDUCTOR SHALL FORM AN INCLUDED ANGLE LESS THAN 80 DEGREES OR HAVE A RADIUS OF BEND LESS THAN 8". ALL LIGHTNING PROTECTION CONDUCTORS SHALL HAVE A HORIZONTAL OR DOWNWARD PATH.
5. AIR TERMINALS SHALL BE SPACED ALONG THE RIDGE OR PERIMETER OF THE BUILDING AT INTERVALS NOT EXCEEDING 20' ON CENTER.
6. METAL BODIES OF INDUCTANCE LOCATED WITHIN 6' OF THE LIGHTNING PROTECTION CONDUCTOR TO BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
7. ELECTRICAL SERVICES ENTERING THE BUILDING SHALL BE BONDED TO THE LIGHTNING PROTECTION GROUNDING SYSTEM.
8. UPON COMPLETION OF THE INSTALLATION, THE LIGHTNING PROTECTION SYSTEM IS TO RECEIVE A UL MASTER LABEL AND POST ON UL WEBSITE HTTPS://LPS.UL.COM.



GROUNDING PLAN (A2)

1/8" = 1'-0"

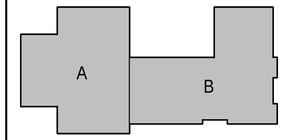
NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

1. BOND TO REBAR IN FOUNDATION FOOTING.
2. BOND TO NEUTRAL AND GROUND BUS AT MDP.
3. FURNISH & INSTALL A BARE #3/0 COPPER GROUND RING AROUND TRANSFORMER AND GENERATOR PADS. GROUND RING TO BOND TO METAL REINFORCEMENT IN PADS, GENERATOR FRAME AND TRANSFORMER GROUND PAD.
4. PROVIDE 1/4" x 2" x 12" GROUNDING BUS MOUNTED 48" AFF ON INSULATORS. BOND TO EACH EQUIPMENT RACK USING A #6 AWG GREEN INSULATED BONDING JUMPER.
5. BOND TO METAL WATER MAIN.
6. PROVIDE GROUND ROD TEST WELL FOR GROUND ROD THAT TIES INTO GROUNDING ELECTRODE FOR MDP AND FOR ALL LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS.

MENS RE-ENTRY BUILDING



KEY PLAN (F0)

N.T.S.

REV	DESCRIPTION	DATE
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MEN'S REENTRY CENTER - GROUNDING PLAN

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		
DRAWN BY:	TAR		
SMRT FILE:	EG101-19176	SHEET No.	EG101

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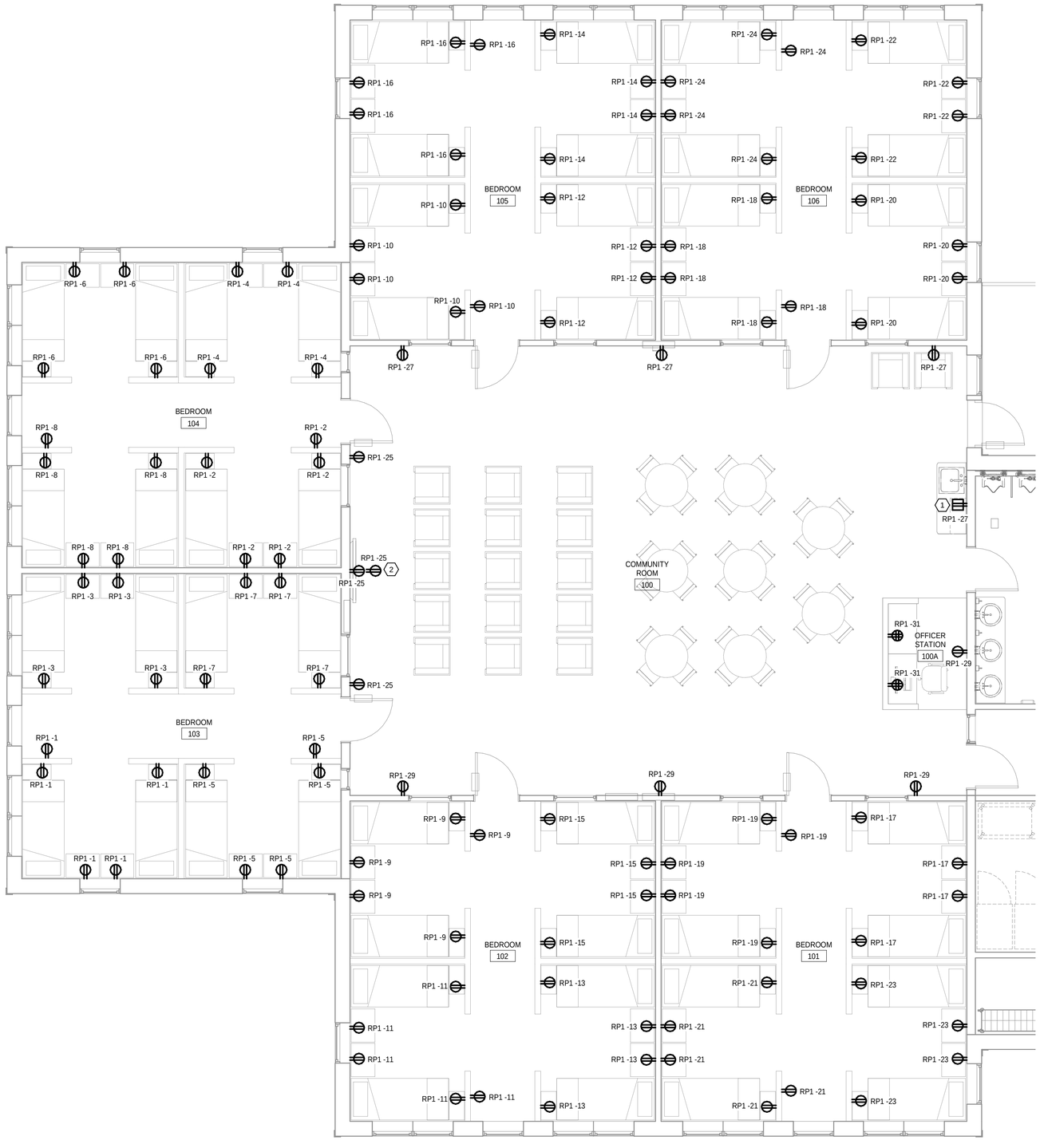


LEVEL 1 POWER PLAN - AREA A (A1)
1/4" = 1'-0"

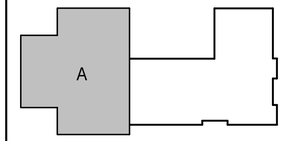
NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

1. MOUNT RECEPTACLE 42" AFF TO BOTTOM OF DEVICE.
2. MOUNT RECEPTACLE 60" AFF TO CENTER OF DEVICE.

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

REV	DESCRIPTION	DATE
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08-14-20

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER -
POWER PLAN - AREA A

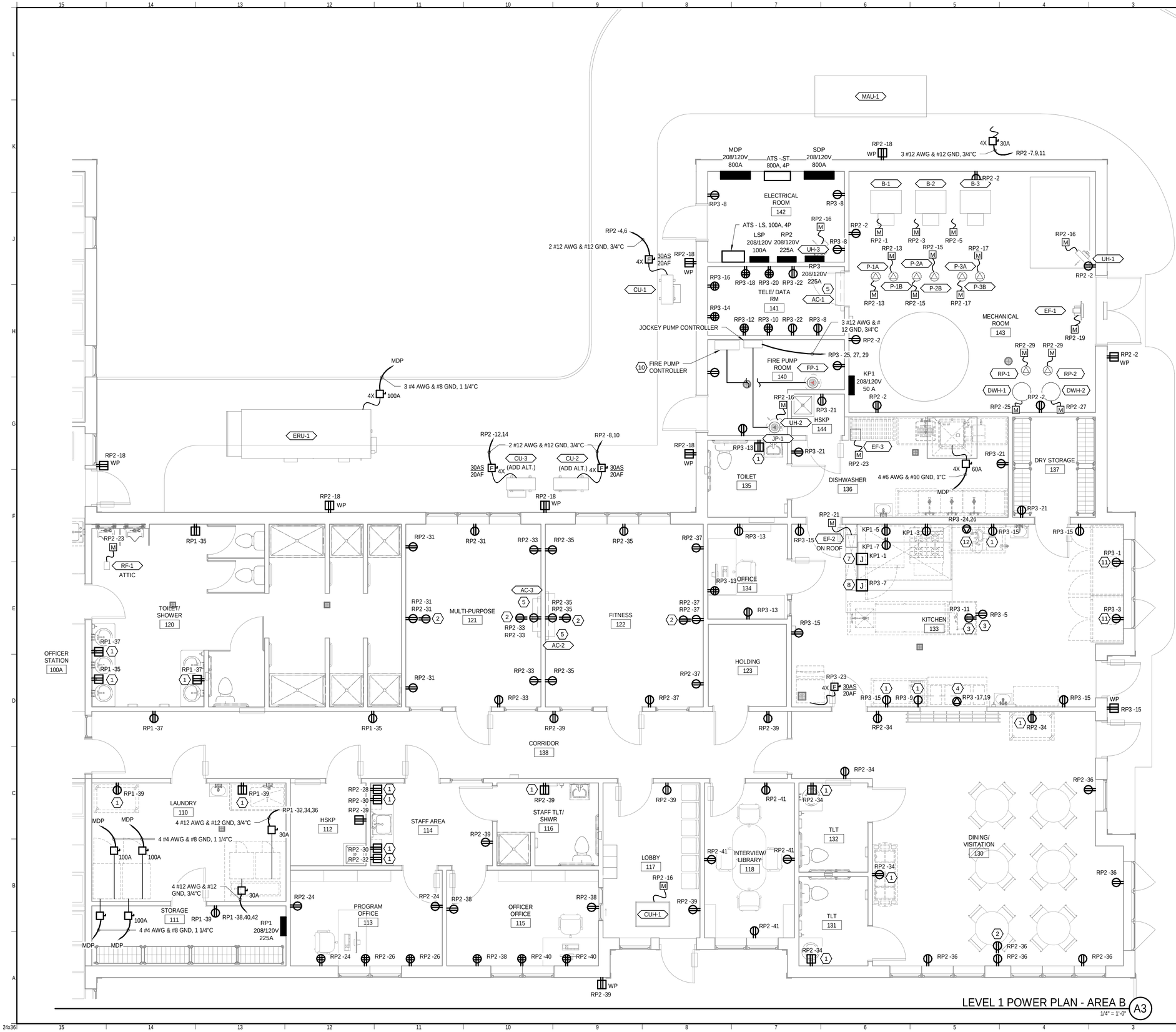
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EP101
DRAWN BY:	TAR		
SMRT FILE:	EP101-19176	SHEET No.	

24x36



KEYED NOTES:

8. PROVIDE POWER FOR HOOD FIRE SUPPRESSION SYSTEM. PROVIDE EMPTY OUTLET BOX FOR HOOD MANUAL RELEASE LEVEL AND CONDUIT FROM BOX TO SUPPRESSION SYSTEM CONTROL PANEL. COORDINATE LOCATION OF FIRE SUPPRESSION CONTROL PANEL AND MANUAL RELEASE LEVER WITH EQUIPMENT INSTALLER.
9. PROVIDE TWO HEAVY DUTY CORDS WITH NEMA 5-20P CORD CAPS FOR CONNECTIONS TO STACKED COMBI-OVEN. FIELD COORDINATE WITH EQUIPMENT SUPPLIER FOR MOUNTING HEIGHT OF RECEPTACLES AND CONNECTIONS ON EQUIPMENT.
10. FIRE PUMP CONTROLLER WITH INTEGRAL AUTOMATIC TRANSFER SWITCH. SEE ONE-LINE DIAGRAM ON EP651 FOR WIRING REQUIREMENTS FOR FIRE PUMP CONTROLLER.
11. MOUNT RECEPTACLES 80" AFF TO BOTTOM OF DEVICE.
12. FURNISH AND INSTALL A NEMA 6-30R RECEPTACLE MOUNTED 48" AFF. WIRING TO BE 2#10AWG & # 10GND, 3/4"C.

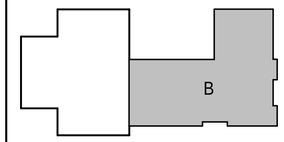
NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES, DETAILS AND INFORMATION FOR INSTALLATION OF KITCHEN EQUIPMENT.

KEYED NOTES:

1. MOUNT RECEPTACLE 42" AFF TO BOTTOM OF DEVICE.
2. MOUNT RECEPTACLE 60" AFF TO CENTER OF DEVICE.
3. MOUNT RECEPTACLE BELOW MIXER AND SLICER STANDS ON A 4" HIGH RIGID STEEL STUB UP.
4. FURNISH AND INSTALL A NEMA 6-20R RECEPTACLE FOR HOT FOOD WELL.
5. INDOOR SECTION OF SPLIT SYSTEM TO BE FED VIA CONDENSING UNIT MOUNTED ON ROOF. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT SUPPLIER FOR ALL WIRING REQUIRED BETWEEN INDOOR AND OUTDOOR UNITS.
6. MOUNT RECEPTACLE 80" AFF TO CENTER OF DEVICE.
7. PROVIDE WIRING TO PREWIRED HOOD LIGHTING CONTROL SWITCH. COORDINATE EXACT ELECTRICAL CONNECTION LOCATION WITH EQUIPMENT SUPPLIER.

MENS RE-ENTRY BUILDING



KEY PLAN N.T.S. F0

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE DANIEL J. ROBERTS 9836 LICENSED PROFESSIONAL ENGINEER 8/11/20

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MDOC DCF
MEN'S RE-ENTRY CENTER

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - POWER PLAN - AREA B

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ
A/E OF RECORD:	DJT
JOB CAPTAIN:	CBM
DRAWN BY:	TAR
SMRT FILE:	EP102-19176

PROJECT NO: 19176

EP102

SHEET No.

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
HOOD LIGHTS / CONTROLS	0.5			1	20		20	2				SPARE
(1) 4 BURNER CONVECTION OVEN		0.5		3	20		20	4				SPARE
(1) COMBI OVER			1.5	5	20		20	6				SPARE
(1) COMBI OVER	1.5			7	20		20	8				SPARE
SPARE				9	20		20	10				SPARE
SPARE				11	20		20	12				SPARE
SPACE				13				14				SPACE
SPACE				15				16				SPACE
SPACE				17				18				SPACE
SUB-TOTAL	2.0	0.5	1.5			NEUTRAL BUS / GROUND BUS			0.0	0.0	0.0	SUB-TOTAL

VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 100 AMP BUS	TOTAL kVA A	2.0	PANEL NO. KP1
MAIN SHUNT TRIP BREAKER: 50 AMP TRIP	TOTAL kVA B	0.5	
MOUNTING: SURFACE	TOTAL kVA C	1.5	LOCATION MECHANICAL 143
SC RATING: 42,000 AIC	TOTAL kVA	4.0	

NOTES: (1) PROVIDE GFCI BREAKER WITH 5mA SENSITIVITY

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
FIRST FLOOR EMERGENCY LTG	1.2			1	20			2	3.0			FIRE PUMP FP-1
EXTERIOR LIGHTING		1.1		3	20		50	4		3.0		
LTG ELECT / TELE / SECURITY / ME			0.8	5	20			6			3.0	
FIRE ALARM CONTROL PANEL	1.0			7	20		20	8				SPARE
SPARE				9	20		20	10				SPARE
SPARE				11	20		20	12				SPARE
SPACE				13				14				SPACE
SPACE				15				16				SPACE
SPACE				17				18				SPACE
SUB-TOTAL	2.2	1.1	0.8			NEUTRAL BUS / GROUND BUS			3.0	3.0	3.0	SUB-TOTAL

VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 100 AMP BUS	TOTAL kVA A	5.2	PANEL NO. LSP
MAIN SHUNT TRIP BREAKER: 100 AMP TRIP	TOTAL kVA B	4.1	
MOUNTING: SURFACE	TOTAL kVA C	3.8	LOCATION ELECTRICAL ROOM 142
SC RATING: 42,000 AIC	TOTAL kVA	13.1	

NOTES:

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
BOILER B-1	1.2			1	20		20	2	1.3			RECEPTS MECHANICAL ROOM
BOILER B-2		1.2		3	20		20	4		1.4		TELE / DATA SPLIT SYSTEM
BOILER B-3			1.2	5	20			6			1.4	
KITCHEN HOOD MAKE-UP PWR	0.3			7	15		20	8	1.4			FITNESS SPLIT SYSTEM
		0.3		9				10		1.4		
			0.3	11			20	12			1.4	MULTI - PURPOSE SPLIT SYSTEM
PUMPS P-1A / P-1B	1.6			13	20			14	1.4			
PUMPS P-2A / P-2B		0.5		15	20		20	16		1.0		UNIT HEATER CUH-1, UH - 1,2,3
PUMPS P-3A / P-3B			1.6	17	20		20	18			0.9	EXTERIOR RECEPTS
EXHAUST FAN EF-1	0.7			19	20		20	20	1.3			LTG RMS 118, 122, 123, 130 - 137, 144
EXHAUST FAN EF-2		0.9		21	20		20	22		0.4		LTG MECHANICAL ROOM
EXHAUST FAN EF-3, RADON RF-1			0.6	23	20		20	24			0.8	RECEPTS PROGRAM OFFICE
DOMESTIC WATER HEATER DWH-1	1.2			25	20		20	26	0.8			RECEPTS PROGRAM OFFICE
DOMESTIC WATER HEATER DWH-2		1.2		27	20		20	28		0.2		STAFF AREA COUNTER RECEPT
RECIRC PUMP RP-1, RP-2			0.6	29	20		20	30			0.4	STAFF AREA COUNTER RECEPT
RECEPTS MULTI - PURPOSE	0.9			31	20		20	32	0.2			STAFF AREA COUNTER RECEPT
RECEPTS MULTI - PURPOSE		0.9		33	20		20	34		1.1		RECEPTS DINING / VISITATION / TOILET
RECEPTS FITNESS			0.9	35	20		20	36			1.1	RECEPTS DINING / VISITATION / EXT
RECEPTS FITNESS	0.9			37	20		20	38	0.8			RECEPTS OFFICER OFFICE
RECEPTS RM 114, 116, 117, 138 EXT		1.3		39	20		20	40		0.8		RECEPTS OFFICER OFFICE
RECEPTS INTERVIEW			0.8	41	20		20	42				SPARE
SPARE				43	20		20	44				SPARE
SPARE				45	20		20	46				SPARE
SPARE				47	20		20	48				SPARE
SPARE				49	20		20	50				SPARE
SPARE				51	20		20	52				SPARE
SPARE				53	20		20	54				SPARE
SPARE				55	20		20	56				SPARE
SPARE				57	20		20	58				SPARE
SPARE				59	20		20	60				SPARE
SPACE				61				62				SPACE
SPACE				63				64				SPACE
SPACE				65				66				SPACE
SUB-TOTAL	6.8	6.3	6.0			NEUTRAL BUS / GROUND BUS			7.2	6.3	6.0	SUB-TOTAL

VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225A AMP BUS	TOTAL kVA A	14.0	PANEL NO. RP2
MAIN LUGS ONLY: 225A AMP LUGS	TOTAL kVA B	12.6	
MOUNTING: RECESSED	TOTAL kVA C	12.0	LOCATION ELECTRICAL ROOM 142
SC RATING: 42,000 AIC	TOTAL kVA	38.6	

NOTES:

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
REACH IN REFRIGERATOR	1.8			1	20			2	1.4			PANELBOARD KP1
REACH IN FREEZER		1.8		3	20		50	4		1.4		
(1) SLICER TABLE RECEPTS			1.0	5	20			6			1.4	
HOOD LIGHTING / CONTROLS	0.5			7	20		20	8	0.8			RECEPTS ELECT / TEL DATA
TOASTER RECEPT		1.6		9	20		20	10		0.4		TEL / DATA RECEPT
(1) 20 QT. MIXER			1.4	11	20		20	12			0.4	TEL / DATA RECEPT
RECEPTS OFFICE / TOILET	0.9			13	20		20	14	0.4			TEL / DATA RECEPT
(1) KITCHEN RECEPTS		0.9		15	20		20	16		0.4		TEL / DATA RECEPT
HOT FOOD TABLE			1.5	17	20		20	18			0.4	TEL / DATA RECEPT
	1.5			19			20	20	0.4			TEL / DATA RECEPT
(1) RECEPTS RMS 136, 137, 144		0.8		21	20		20	22		0.4		TEL / DATA RECEPT
ICE MAKER WITH BIN			1.3	23	20		30	24			2.0	TABLE TOP KETTLE
JOCKEY PUMP CONTROLLER	0.5			25	15			26	2.0			
		0.5		27			20	28				SPARE
			0.5	29			20	30				SPARE
SPARE				31	15		20	32				SPARE
				33			20	34				SPARE
				35			20	36				SPARE
SPARE				37	20		20	38				SPARE
SPARE				39	20		20	40				SPARE
SPARE				41	20		20	42				SPARE
SPARE				43	20		20	44				SPARE
SPARE				45	20		20	46				SPARE
SPARE				47	20		20	48				SPARE
SPARE				49	20		20	50				SPARE
SPARE				51	20		20	52				SPARE
SPARE				53	20		20	54				SPARE
SPACE				55	20		20	56	0.5			SITE LIGHTING
SPACE				57				58		0.5		
SPACE				59				60				SPACE
SPACE				61				62	1.3			PANELBOARD KP1
SPACE				63			50	64		1.3		
SPACE				65				66			1.3	
SUB-TOTAL	5.2	5.6	5.7			NEUTRAL BUS / GROUND BUS			6.8	4.4	5.5	SUB-TOTAL

VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225A AMP BUS	TOTAL kVA A	11.0	PANEL NO. RP3
MAIN LUGS ONLY: 225A AMP LUGS	TOTAL kVA B	10.0	
MOUNTING: RECESSED	TOTAL kVA C	11.2	LOCATION ELECTRICAL ROOM 142
SC RATING: 42,000 AIC	TOTAL kVA	33.2	

NOTES: (1) PROVIDE GFCI BREAKER WITH 5mA SENSITIVITY

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
RECEPTS BEDROOM 103	0.9			1	20		20	2	0.9			RECEPTS BEDROOM 104
RECEPTS BEDROOM 103		0.8		3	20		20	4		0.8		RECEPTS BEDROOM 104
RECEPTS BEDROOM 103			0.9	5	20		20	6			0.8	RECEPTS BEDROOM 104
RECEPTS BEDROOM 103	0.9			7	20		20	8	0.9			RECEPTS BEDROOM 104
RECEPTS BEDROOM 102		0.9		9	20		20	10		0.9		RECEPTS BEDROOM 105
RECEPTS BEDROOM 102			0.9	11	20		20	12			0.8	RECEPTS BEDROOM 105
RECEPTS BEDROOM 102	0.8			13	20		20	14	0.8			RECEPTS BEDROOM 105
RECEPTS BEDROOM 102		0.8		15	20		20	16		0.9		RECEPTS BEDROOM 105
RECEPTS BEDROOM 101			0.8	17	20		20	18			0.9	RECEPTS BEDROOM 106
RECEPTS BEDROOM 101	0.9			19	20		20	20	0.8			RECEPTS BEDROOM 106
RECEPTS BEDROOM 101		0.9		21	20		20	22		0.8		RECEPTS BEDROOM 106
RECEPTS BEDROOM 101			0.8	23	20		20	24			0.9	RECEPTS BEDROOM 106
RECEPTS COMMUNITY RM 100	0.8			25	20		20	26	1.3			LTG BEDROOMS 101, 102, 103
RECEPTS COMMUNITY RM 100		0.8		27	20		20	28		1.3		LTG BEDROOMS 104, 105, 106
RECEPTS COMMUNITY RM 100			0.8	29	20		20	30			1.1	LTG COMMUNITY ROOM / SHOWERS
RECEPTS COMMUNITY OFFICER	0.8			31	20			32	0.3			
SPARE		-		33	20		20	34		0.3		ELECTRIC 50LB WASHER
RECEPTS TOILET / SHOWER / CORRIDOR			0.6	35	20			36			0.3	
RECEPTS TOILET / SHOWER / CORRIDOR	0.6			37	20			38	0.3			
RECEPTS LAUNDRY		0.6		39	20		20	40		0.3		ELECTRIC 50LB WASHER
LTG RMS 110-117, 121, 138			1.2	41	20			42			0.3	
SPARE				43	20		20	44				SPARE
SPARE				45	20		20	46				SPARE
SPARE				47	20		20	48				SPARE
SPARE				49	20		20	50				SPARE
SPARE				51	20		20	52				SPARE
SPARE				53	20		20	54				SPARE
SPARE				55	20		20	56				SPARE
SPARE				57	20		20	58				SPARE
SPARE				59	20		20	60				SPARE
SPACE				61				62				SPACE
SPACE				63				64				SPACE
SPACE				65				66				SPACE
SUB-TOTAL	5.7	4.8	6.0			NEUTRAL BUS / GROUND BUS			5.5	5.5	5.1	SUB-TOTAL

VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225A AMP BUS	TOTAL kVA A	11.2	PANEL NO. RP1
MAIN LUGS ONLY: 225A AMP LUGS	TOTAL kVA B	10.3	
MOUNTING: RECESSED	TOTAL kVA C	11.1	LOCATION STORAGE 111
SC RATING: 22,000 AIC	TOTAL kVA	32.6	

NOTES:

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

STATE OF MAINE · DANIEL J. ROBERTS · 9836 · LICENSED PROFESSIONAL ENGINEER

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MEN'S RE-ENTRY CENTER

MACHIASPORT, MAINE

PANEL SCHEDULES

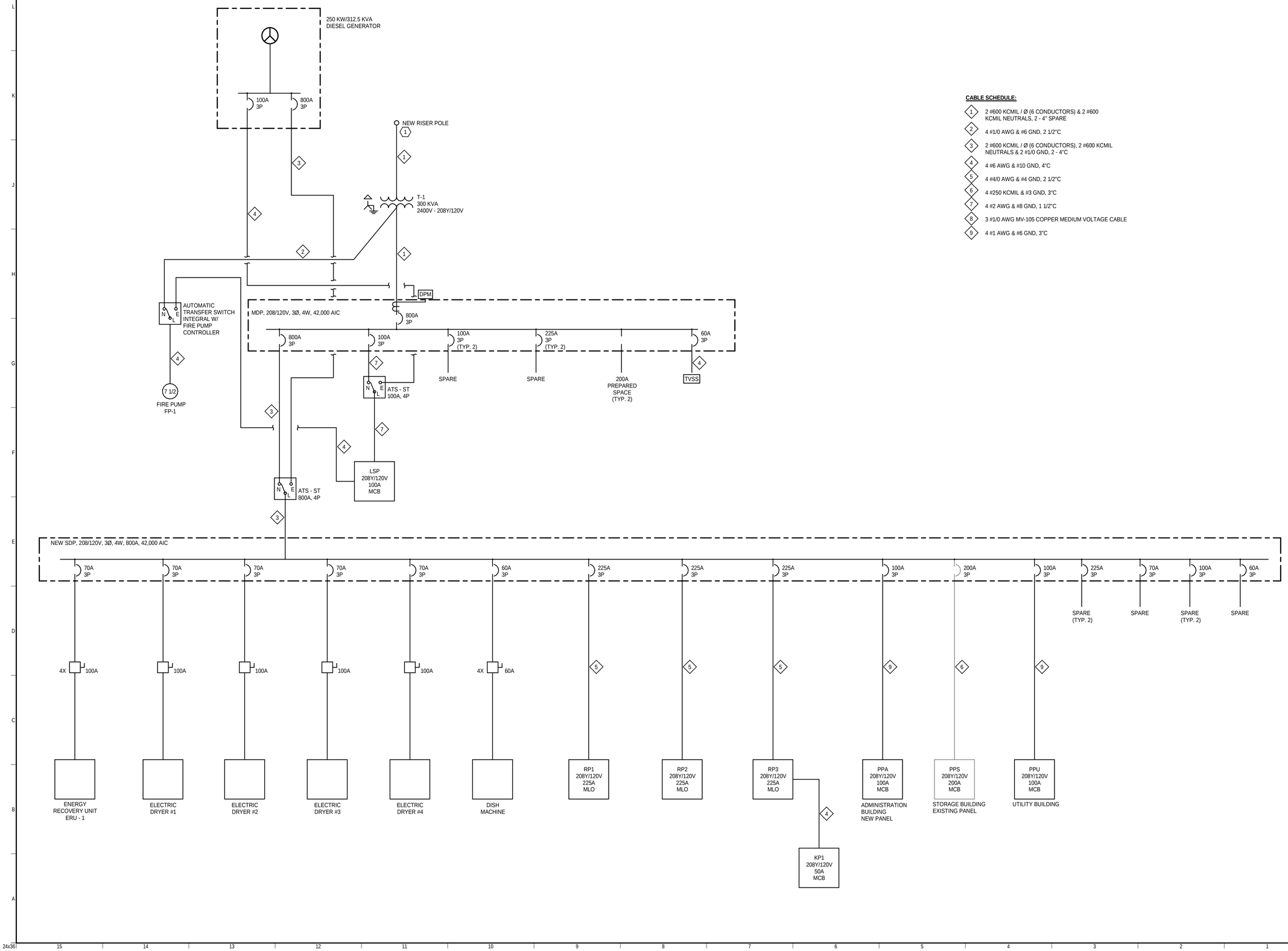
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EP601
DRAWN BY:	TAR		
SMRT FILE:	EP601-19176	SHEET No.	

24x36



CABLE SCHEDULE:

1. 2 #600 KCMIL / Ø (6 CONDUCTORS) & 2 #600 KCMIL NEUTRALS, 2 - 4" SPARE
2. 4 #1/0 AWG & #6 GND, 2 1/2"C
3. 2 #600 KCMIL / Ø (6 CONDUCTORS), 2 #600 KCMIL NEUTRALS & 2 #1/0 GND, 2 - 4"C
4. 4 #6 AWG & #10 GND, 4"C
5. 4 #4/0 AWG & #4 GND, 2 1/2"C
6. 4 #250 KCMIL & #3 GND, 3"C
7. 4 #2 AWG & #8 GND, 1 1/2"C
8. 3 #1/0 AWG MV-105 COPPER MEDIUM VOLTAGE CABLE
9. 4 #1 AWG & #6 GND, 3"C

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

1. ELECTRICAL CONTRACTOR TO SUPPLY NEW 100 AMP FUSED CUT-OUTS ON NEW RISER POLE.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE
DANIEL J. TIBBETTS
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MACHIASPORT, MAINE

ONE-LINE DIAGRAM

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

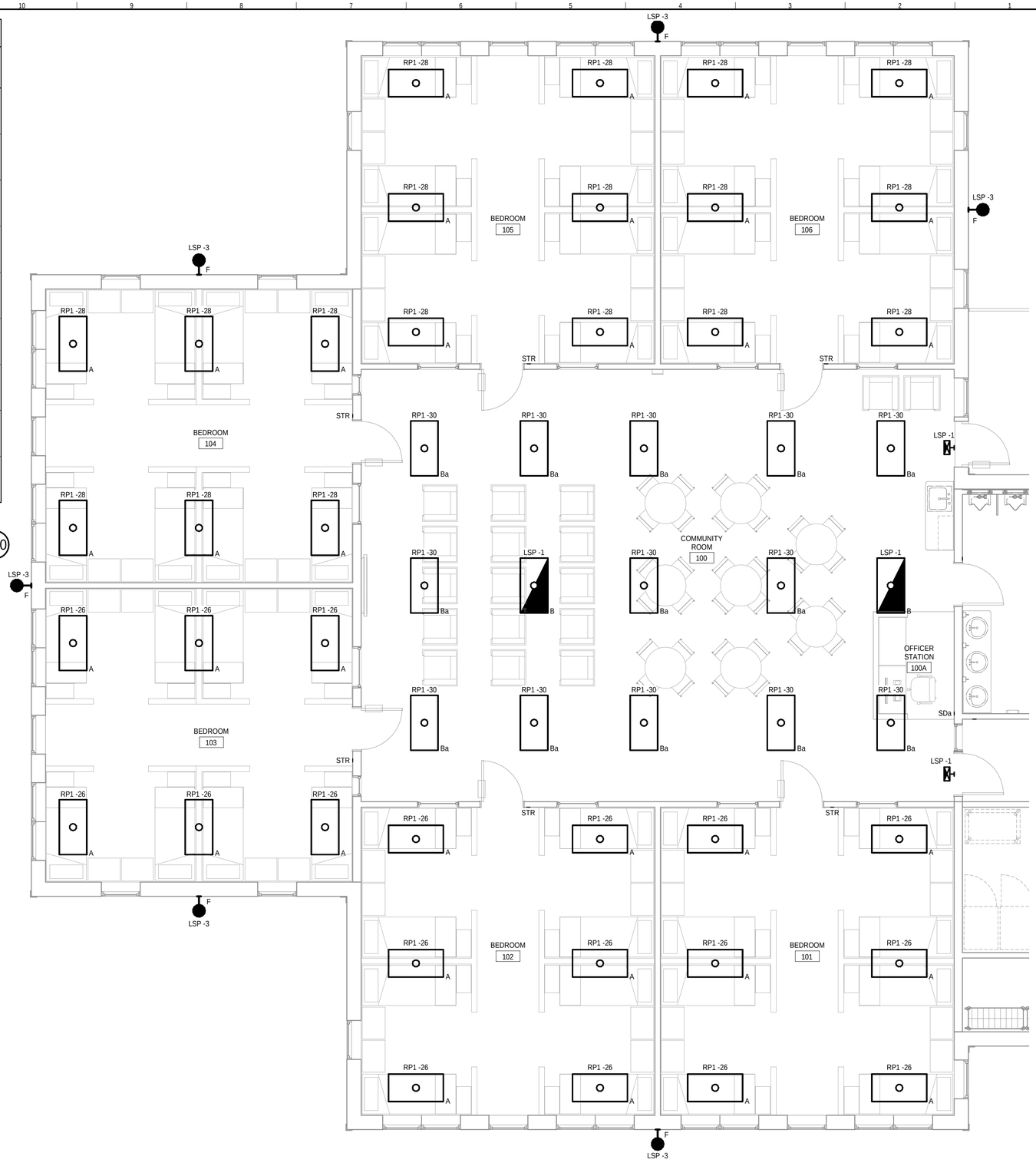
PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		
DRAWN BY:	TAR		
SMRT FILE:	EP651-19176	SHEET No.	EP651

24x36

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
A	2x4 RECESSED LED VANDAL RESISTANT TROFFER WITH FROSTED POLY INNER LENS & 1/4" CLEAR POLYCARBONATE OUTER LENS AND PROGRAMMABLE DRIVER SET TO 7200 LUMEN OUTPUT 120V	NEW STAR 57R24-C/C-L435 1C-2/LC3-UN-DM-90CRI-CL (7200 L)-LN	70W LED 3500 K	CEILING RECESSED	FIXTURE TO BE PROVIDED WITH INTEGRAL AMBER LED NIGHT LIGHT
B	2x4 RECESSED LED TROFFER WITH FROSTED PATTERN A12 ACRYLIC LENS AND HIGH LUMEN OUTPUT LIGHT ENGINE. 120V	COLUMBIA LLT24-35HLG-FAA12F -EDU	45W LED 3500 K	CEILING RECESSED	
C	2x2 RECESSED LED TROFFER WITH FROSTED PATTERN A12 ACRYLIC LENS, AND VERY HIGH LUMEN OUTPUT LIGHT ENGINE AND FLANGE KIT FOR MOUNTING IN GYPSUM CEILING. 120V	COLUMBIA LLT22-35VLX-FAA12F -EU-FK14	45W LED 3500 K	CEILING RECESSED	
D	2x4 RECESSED HIGH PERFORMANCE LED FIXTURE WITH FROSTED ANGLED DIFFUSER AND VERY HIGH OUTPUT LIGHT ENGINE. 120V	FINELITE HPR LED-A-2x4-DCO -V-950-120V-SC-C1	55W LED 3500 K	CEILING RECESSED	WIRE DRIVER AS DIMMING WHERE INDICATED UTILIZING 0-10 DIMMER SWITCH THAT IS ACCEPTABLE TO FIXTURE MANUFACTURER.
E	4' LENSED LED STRIP LIGHT WITH HIGH OUTPUT LIGHT ENGINE. 120V	COLUMBIA LCL4-35HL-EU	52W LED 3500 K	CHAIN HUNG OR SURFACE WALL	
F	LED EXTERIOR WALL MOUNTED FULL CUT OFF FIXTURE WITH FORWARD THROW OPTICS. 120V	HUBBELL TRP1-12L-30-4K7-4-UNV-DB-PC	15W LED 4000K	SURFACE WALL	PROVIDE WITH INTEGRAL PHOTOCELL. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT
G	4" ROUND APERTURE DOWNLIGHT. DOWNLIGHT WITH CLEAR SPECULAR REFLECTOR, 1000 LUMEN OUTPUT AND MEDIUM DISTRIBUTION 120V	PRESCOLITE LTR-4RD-H-SL-10L-DM10 TRIM LTR-4RD-T-SL-35K-8-MD-S	52W LED 3500 K	CEILING RECESSED	
	THERMOPLASTIC EXIT SIGN W/WHITE FACE & RED LETTERING WITH SELF TESTING DIAGNOSTICS 120V	DUAL LITE CV3 SERIES	LED	CEILING OR WALL	
VR	14 GAUGE CRS DETENTION GRADE EXIT SIGN W/WHITE FACE & RED LETTERING & SELF TESTING DIAGNOSTICS 120V	NEW STAR 620 SERIES	LED	CEILING OR WALL	

LIGHT FIXTURE SCHEDULE G10
NONE

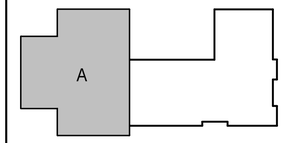


LEVEL 1 LIGHTING PLAN - AREA A A1
1/4" = 1'-0"

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

MENS RE-ENTRY BUILDING



KEY PLAN F0
N.T.S.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE DANIEL J. TIBBETTS 9836 LICENSED PROFESSIONAL ENGINEER 5/11/20

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MEN'S RE-ENTRY CENTER

MACHIASPORT, MAINE

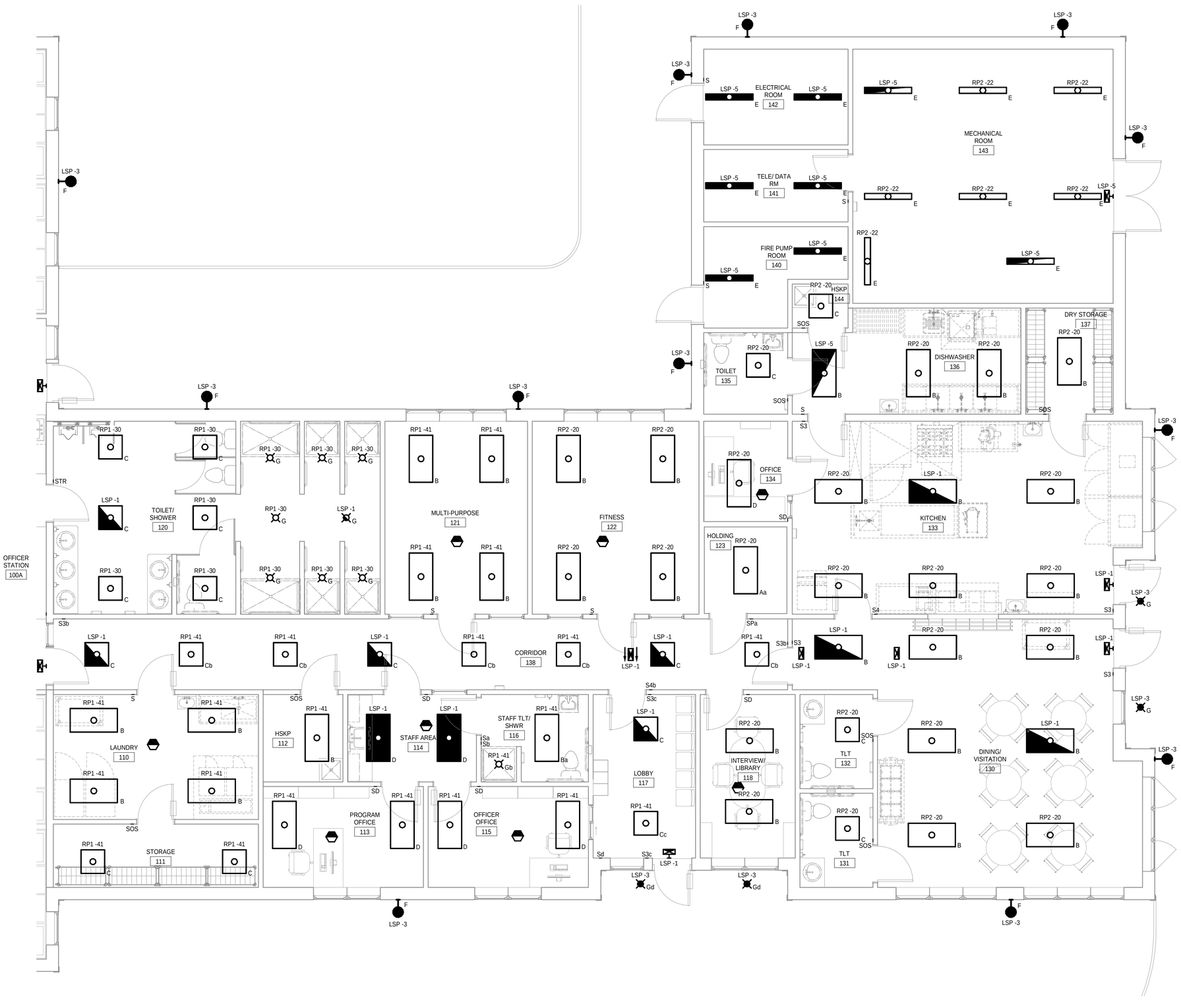
MEN'S REENTRY CENTER - LIGHTING PLAN - AREA A

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EL101
DRAWN BY:	TAR	SHEET No.	
SMRT FILE:	EL101-19176		



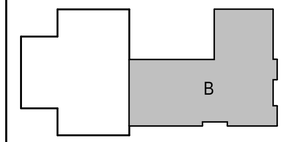
LEVEL 1 LIGHTING PLAN - AREA B A1

1/4" = 1'-0"

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

MENS RE-ENTRY BUILDING



KEY PLAN F0

N.T.S.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

DANIEL J. ROBERTS 9836 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER - LIGHTING PLAN - AREA B

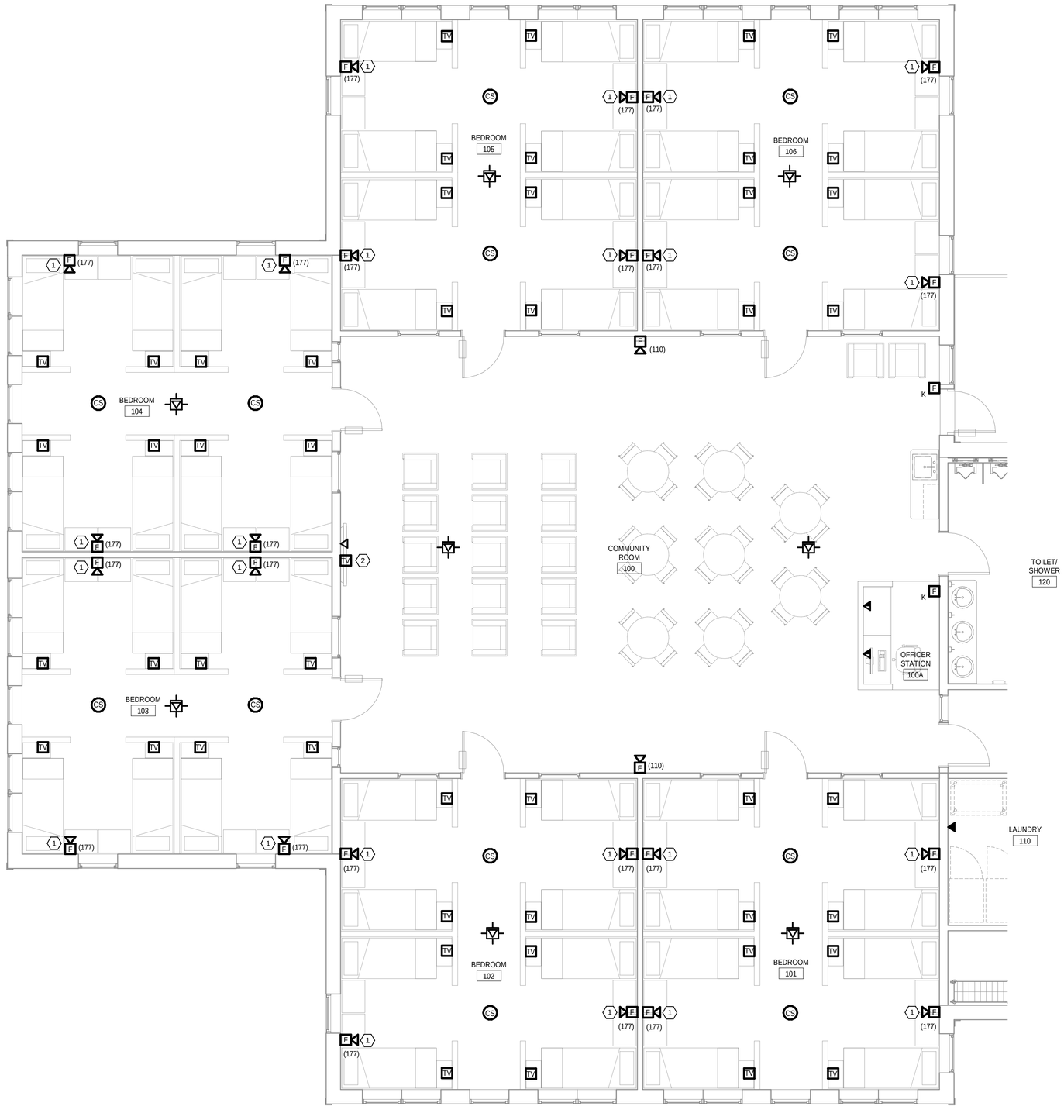
SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EL102
DRAWN BY:	TAR		
SMRT FILE:	EL102-19176	SHEET No.	

24x36



LEVEL 1 SYSTEMS PLAN - AREA A (1)
1/4" = 1'-0"

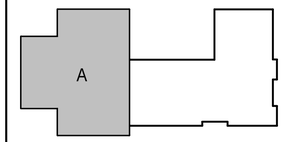
NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. FOR ALL TELECOMMUNICATIONS AND OUTLETS SHOWN PROVIDE AN EMPTY TWO GANG BOX WITH SINGLE GANG MUD RING AND A 1" EMPTY CONDUIT WITH PULL STRING FROM BOX TO ABOVE AN ACCESSIBLE CEILING IN THE COMMUNITY ROOM OR CORRIDOR. TELECOMMUNICATIONS AND TV WIRING TO BE BY OWNER.

KEYED NOTES:

1. PROVIDE FIRE ALARM AUDIBLE / VISUAL DEVICE WITH A VISUAL INTENSITY OF 177 CANDELA AND AN AUDIBLE ALARM TO PRODUCE A LOW FREQUENCY ALARM SIGNAL WITH A FUNDAMENTAL FREQUENCY OF 520HZ +/- 10 PERCENT AND IS UL LISTED FOR PRODUCING THE LOW FREQUENCY WAVE FORM.
2. MOUNT TV AND DATA OUTLET 72" AFF TO CENTER OF DEVICE.

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	08-14-20

ISSUED FOR CONSTRUCTION
08-14-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

STATE OF MAINE · DANIEL J. ROBERTS · 9836 · LICENSED PROFESSIONAL ENGINEER

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MDOC DCF
MEN'S RE-ENTRY CENTER

MACHIASPORT, MAINE

MEN'S REENTRY CENTER - SYSTEMS PLAN - AREA A

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		
DRAWN BY:	TAR		
SMRT FILE:	EY101-19176	SHEET No.	EY101

24x36

LEVEL 1 SYSTEMS PLAN - AREA B (A3)
1/4" = 1'-0"

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. FOR ALL TELECOMMUNICATIONS AND OUTLETS SHOWN PROVIDE AN EMPTY TWO GANG BOX WITH SINGLE GANG MUD RING AND A 1" EMPTY CONDUIT WITH PULL STRING FROM BOX TO ABOVE AN ACCESSIBLE CEILING IN THE COMMUNITY ROOM OR CORRIDOR. TELECOMMUNICATIONS AND TV WIRING TO BE BY OWNER.

KEYED NOTES:

4 FIRE ALARM SYSTEM TO MONITOR AND REPORT THE FOLLOWING FIRE PUMP CONDITIONS:
1. FIRE PUMP RUNNING
2. OVERCRANK SHUTDOWN
3. COOLANT LOW TEMPERATURE ALARM
4. BATTERY-CHARGER MALFUNCTION ALARM
5. BATTERY LOW VOLTAGE ALARM
6. ENGINE HIGH TERMPERATURE PREALARM AND SHUTDOWN
7. LUBE-0.1, LOW PRESSURE PREALARM AND SHUTDOWN
8. OVERSPEED SHUTDOWN
9. LOW COOLANT LEVEL
10. FUEL TANK, LOWFUEL LEVEL

5 MONITORING MODULES TO MONITOR AND REPORT THE FOLLOWING CONDITIONS:
1. WATER TEMPERATURE BELOW 40 DEG F
2. RETURN TO WATER TEMPERATURE OF 40 DEG F
3. WATER LEVEL 5" BELOW NORMAL LEVEL
4. WATER LEVEL RETURN TO NORMAL LEVEL
5. TEMPERATURE OF FIRE PUMP ROOM BELOW 40 DEG F
6. RETURN OF TEMPERATURE OF FIRE PUMP ROOM TO ABOVE 40 DEG F

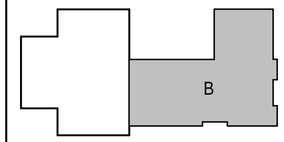
KEYED NOTES:

1 UPON ACTIVATION OF KITCHEN HOOD FLOW SWITCH FIRE ALARM CONTROL PANEL SHALL OPEN SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD PPKA AND CLOSE GAS VALVE FOR COOKING EQUIPMENT.

2 MOUNT TV AND DATA OUTLET 72" AFF TO CENTER OF DEVICE.

3 UPON ACTIVATION OF KITCHEN HOOD FLOW SWITCH FIRE ALARM CONTROL PANEL SHALL OPEN SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD KP1 AND CLOSE GAS VALVE FOR COOKING EQUIPMENT.

MENS RE-ENTRY BUILDING



KEY PLAN (F0)
N.T.S.

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0	ISSUED FOR CONSTRUCTION	08-14-20

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MACHIASPORT, MAINE

MEN'S REENTRY CENTER - SYSTEMS PLAN - AREA B

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EY102
DRAWN BY:	TAR	SHEET No.	
SMRT FILE:	EY102-19176		

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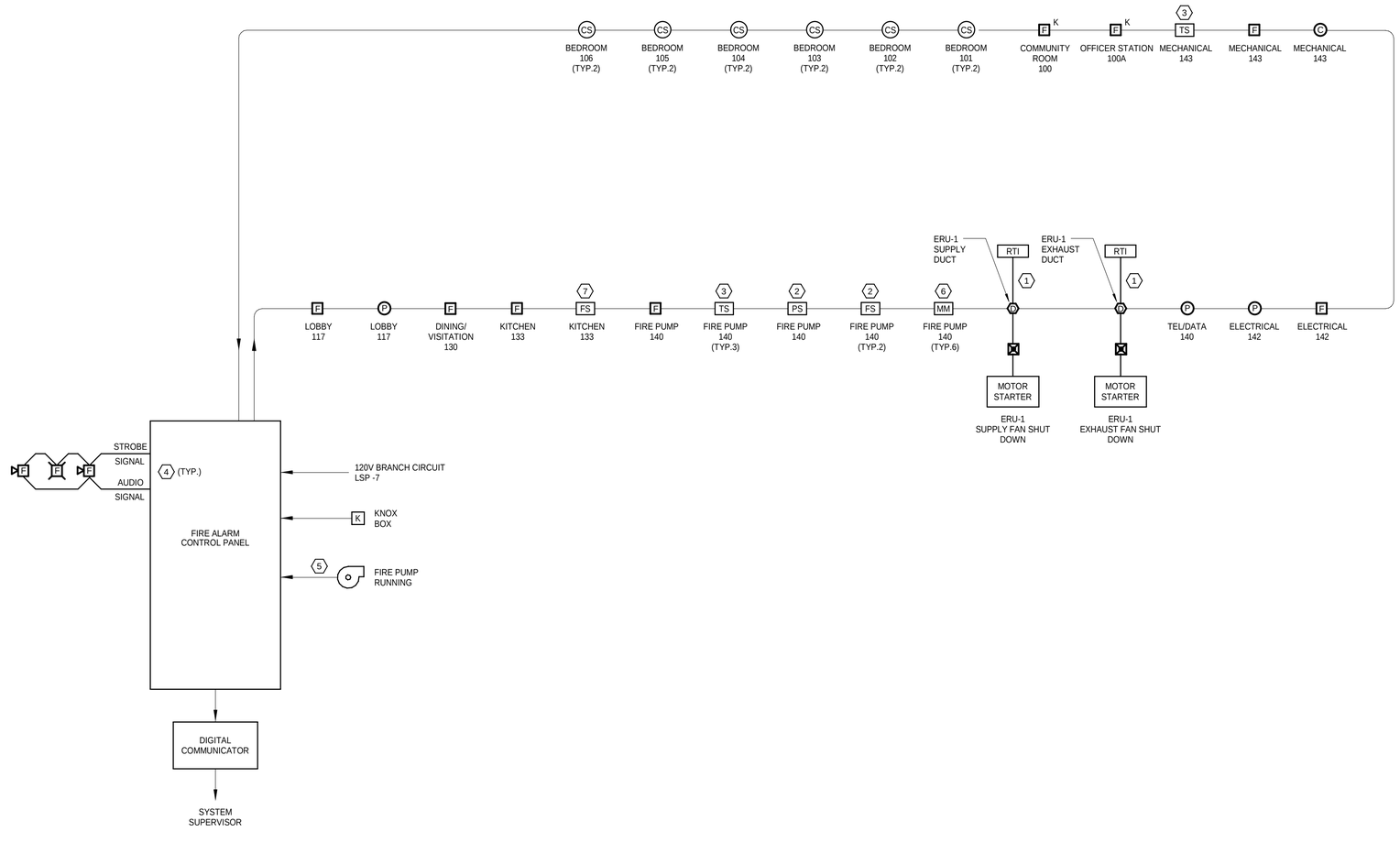

FIRE ALARM RISER DIAGRAM 1

NONE

KEYED NOTES:

1. DUCT SMOKE DETECTORS TO REPORT A SUPERVISORY SIGNAL TO THE FIRE ALARM CONTROL PANEL AND SHUT DOWN HVAC EQUIPMENT INDICATED.
2. SPRINKLER FLOW AND PRESSURE SWITCH ACTUAL LOCATIONS TO BE COORDINATED WITH SPRINKLER SYSTEM INSTALLER. FLOW AND PRESSURE SWITCHES TO INITIATE AN ALARM SIGNAL TO THE FIRE ALARM SYSTEM. COORDINATE ALL WORK W/ SPRINKLER CONTRACTOR.
3. SPRINKLER TAMPER SWITCH ACTUAL LOCATIONS TO BE COORDINATED WITH SPRINKLER SYSTEM INSTALLER. TAMPER SWITCHES TO INITIATE A SUPERVISORY SIGNAL TO THE FIRE ALARM SYSTEM. COORDINATE ALL WORK W/ SPRINKLER CONTRACTOR.
4. PROVIDE DEDICATED NOTIFICATION AUDIBLE AND VISUAL APPLIANCE CIRCUITS FOR FIRE ALARM SYSTEM. STROBES SHALL BE CLEAR, LABELED "FIRE" FOR FIRE ALARM STROBES. PROVIDE QUANTITY OF CIRCUITS NECESSARY TO SUPPORT LOCATIONS INDICATED ON FLOOR PLANS WITH 20% ADDITIONAL CAPACITY PER CIRCUIT.
5. FIRE ALARM SYSTEM TO MONITOR AND REPORT THE FOLLOWING FIRE PUMP CONDITIONS:
   1. FIRE PUMP RUNNING
   2. OVERCRANK SHUTDOWN
   3. COOLANT LOW TEMPERATURE ALARM
   4. BATTERY-CHARGER MALFUNCTION ALARM
   5. BATTERY LOW VOLTAGE ALARM
   6. ENGINE HIGH TERMPERATURE PREALARM AND SHUTDOWN
   7. LUBE-0.1, LOW PRESSURE PREALARM AND SHUTDOWN
   8. OVERSPEED SHUTDOWN
   9. LOW COOLANT LEVEL
   10. FUEL TANK, LOWFUEL LEVEL
6. MONITORING MODULES TO MONITOR AND REPORT THE FOLLOWING CONDITIONS:
   1. WATER TEMPERATURE BELOW 40 DEG F
   2. RETURN TO WATER TEMPERATURE OF 40 DEG F
   3. WATER LEVEL 5" BELOW NORMAL LEVEL
   4. WATER LEVEL RETURN TO NORMAL LEVEL
   5. TEMPERATURE OF FIRE PUMP ROOM BELOW 40 DEG F
   6. RETURN OF TEMPERATURE OF FIRE PUMP ROOM TO ABOVE 40 DEG F
7. CLEAN AGENT KITCHEN HOOD FIRE SUPPRESSION SYSTEM FLOW SWITCH TO INITIATE AN AUDIO/VISUAL ALARM AT THE FIRE ALARM CONTROL PANEL AND ACTIVATE ALL FIRE ALARM NOTIFICATION DEVICES. FLOW SWITCH SHALL ALSO OPEN SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD KP1 AND CLOSE THE GAS VALVE SUPPLYING KITCHEN EQUIPMENT.

REV	DESCRIPTION	DATE
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08-14-20

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MACHIASPORT, MAINE

FIRE ALARM RISER

SHEET TITLE:

0" 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	19176
A/E OF RECORD:	DJT		
JOB CAPTAIN:	CBM		EY651
DRAWN BY:	TAR		
SMRT FILE:	EY651-19176	SHEET No.	

24x36