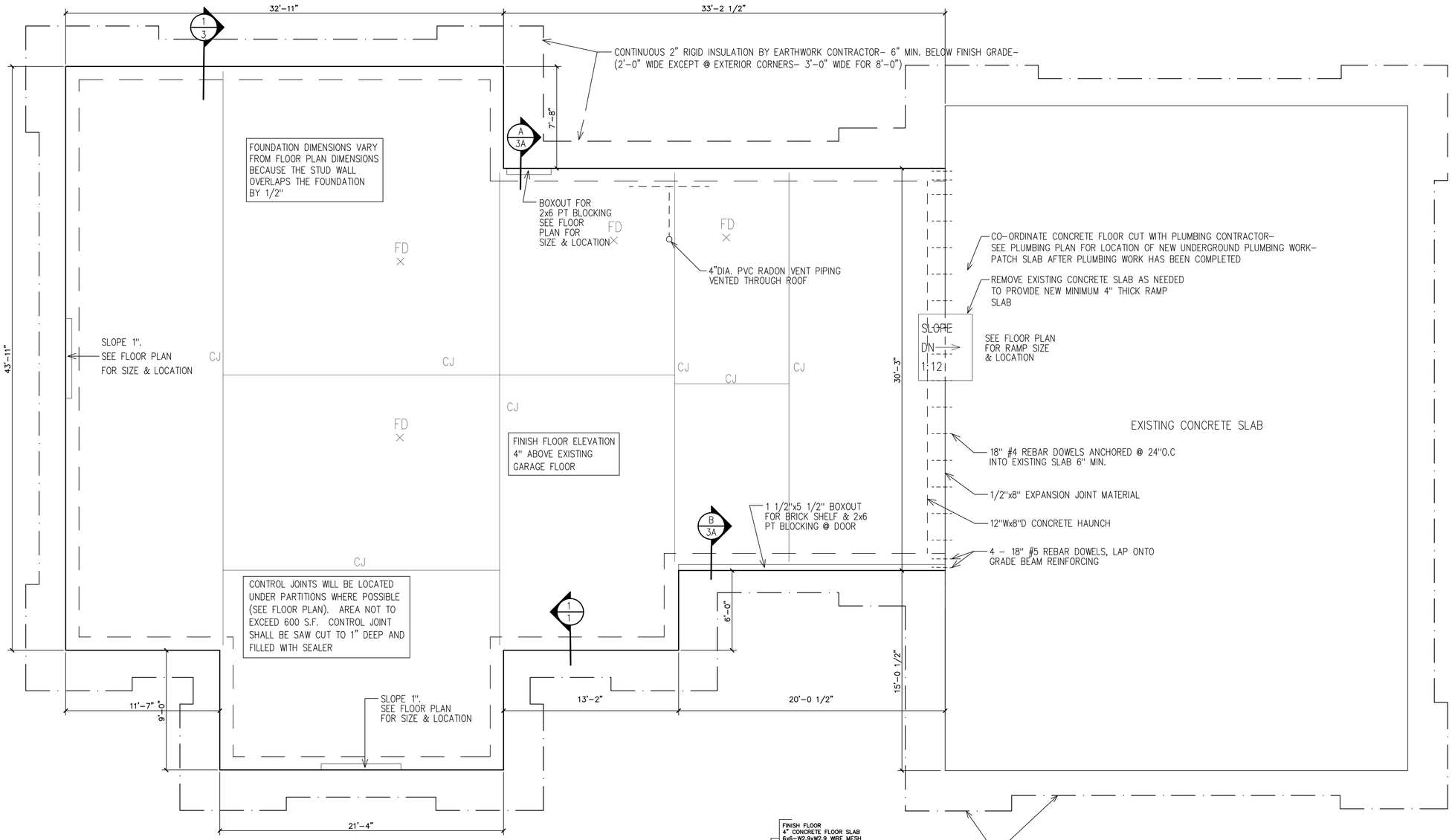
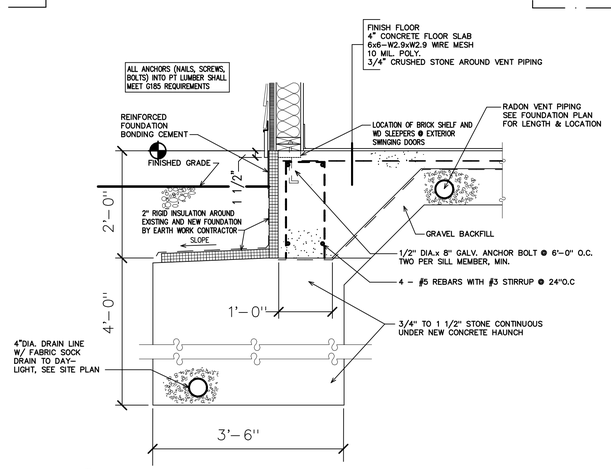



## FOUNDATION PLAN

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




## 1/1 TYPICAL FOUNDATION SECTION

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

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PROJECT:
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PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

OWNER:
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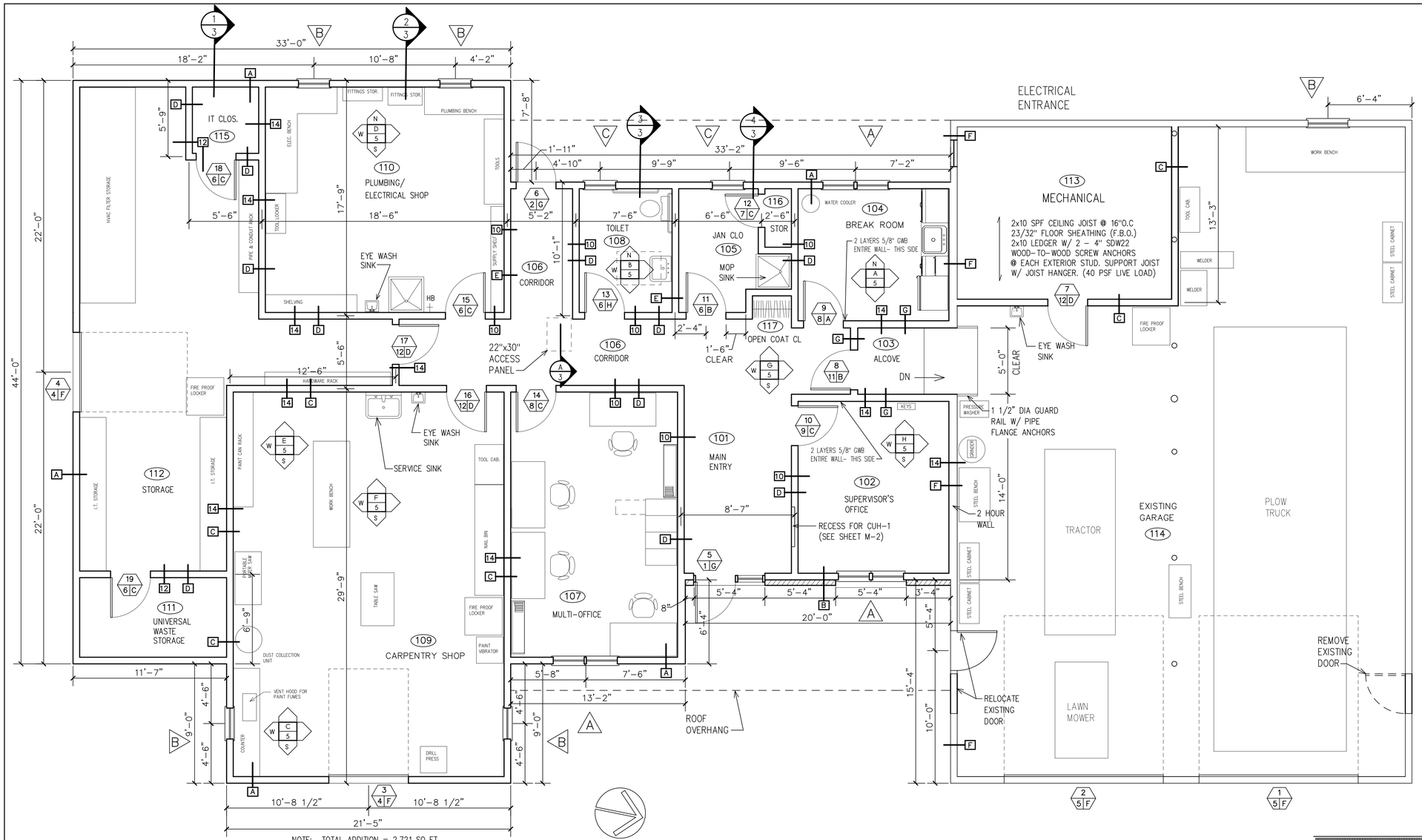
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
FOUNDATION PLAN, SECTIONS DETAILS

DRAWN BY: RJK, RVC
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

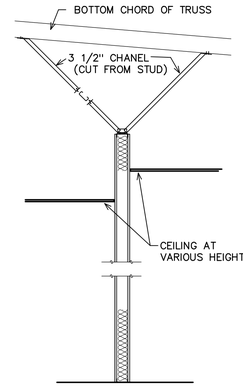
FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
1
OF
10




## FLOOR PLAN

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




## 1/2 WALL BRACING DETAIL

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

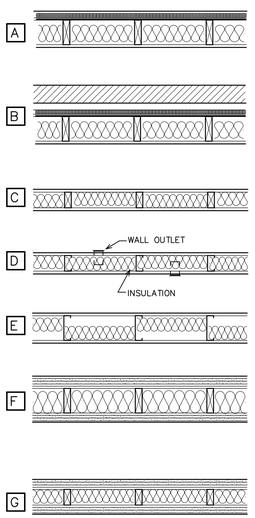
## WINDOW SCHEDULE

ANDERSEN A-SERIES WHITE DOUBLE-HUNG, LOW-E4 INSULATING GLASS, WITH INSECT SCREEN

- A — 2 - ADH2840, NON-REINFORCED MULLION WITH DIVIDED LIGHT GRILLE UPPER SASH
- B — ADH3444, WITH DIVIDED LIGHT GRILLE UPPER SASH
- C — ADH2430, WITH DIVIDED LIGHT GRILLE UPPER SASH

## WALL KEY

- 10 — PARTITION FRAMED TO 10'-0" HEIGHT- BRACE PARTITION PER DETAIL 1, PAGE 2 WITH MAX. BRACE SPACINGS OF 4' O.C.
- 12 — PARTITION FRAMED TO 12'-0" HEIGHT- BRACE PARTITION PER DETAIL 1, PAGE 2 WITH MAX. BRACE SPACINGS OF 4' O.C.
- 14 — PARTITION FRAMED & SHEATHED FULL HEIGHT TO BOTTOM OF ROOF TRUSSES




A — VINYL SIDING
1" RIGID INSULATION
7/16" SHEATHING
2x6 WOOD STUD- UNDER ALL TRUSSES
5 1/2" (R-21) FIBERGLASS INSULATION
6 MIL POLY
5/8" GYPSUM WALLBOARD

B — FACE BRICK
1" RIGID INSULATION
7/16" SHEATHING
2x6 WOOD STUD- UNDER ALL TRUSSES
5 1/2" (R-21) FIBERGLASS INSULATION
6 MIL POLY
5/8" GYPSUM WALLBOARD

C — 5/8" GYPSUM WALLBOARD
2x4 WOOD STUD @ 16" O.C.
W/ 3 1/2" ROXUL INSULATION
5/8" GYPSUM WALLBOARD

D — 5/8" GYPSUM WALLBOARD
3 5/8" STEEL STUD @ 16" O.C.
W/ 3 1/2" FIBERGLASS SOUND INSULATION
5/8" GYPSUM WALLBOARD

E — 5/8" GYPSUM WALLBOARD
5 1/2" STEEL STUD @ 16" O.C.
W/ 3 1/2" FIBERGLASS SOUND INSULATION
5/8" GYPSUM WALLBOARD

F — ON EXISTING GARAGE EXTERIOR- NEW SIDING
2 LAYERS- 5/8" DENS-GLASS OVER RESILIENT CHANNEL
EXISTING WOOD STUD & EXT. SHEATHING
NEW 5 1/2" R23 ROXUL
ON INTERIOR-
2 LAYERS- 5/8" TYPE X GYP. BD. OVER RESILIENT CHANNEL
FULL LENGTH SOUTH WALL
MELAMINE TO 6'-0" AFF ALL GARAGE WALLS

G — 2 LAYERS- 5/8" TYPE X GYP. BD. OVER RESILIENT CHANNEL
2x4 WOOD STUD @ 16" O.C.
W/ 3 1/2" ROXUL INSULATION
2 LAYERS- 5/8" TYPE X GYP. BD. OVER RESILIENT CHANNEL
MELAMINE TO 6'-0" AFF ALL GARAGE WALLS

## DOOR HARDWARE SCHEDULE

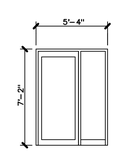
- A — PASSAGE LATCH, LEVER TYPE, BY SARGENT, DOOR STOP
- B — PASSAGE LATCH, LEVER TYPE, BY SARGENT, DOOR CLOSER, DOOR STOP
- C — ENTRANCE LOCK, LEVER TYPE, BY SARGENT, DOOR STOP
- D — ENTRANCE LOCK, LEVER TYPE, BY SARGENT, DOOR CLOSER, DOOR STOP,
- E — ENTRANCE LOCK, LEVER TYPE, BY SARGENT, DOOR CLOSER, DOOR STOP, KICK PLATE ON PUSH SIDE OF DOOR.
- F — OVERHEAD DOOR HARDWARE PRE-PACKAGED WITH DOOR INCLUDING TRACK, LOCK, POWER OPENER, WITH PUSH BUTTON AND REMOTE OPENERS..
- G — PANIC HARDWARE EXIT DEVICES SHALL BE SARGENT 90 SERIES, STAINLESS STEEL TOUCHBAR WITH STANDARD EXTERIOR PULL HANDLE, DOOR CLOSER, KICK PLATE ON PUSH SIDE OF DOOR, PREP FOR ELECTRIC STRIKE LOCKSET TO ALLOW EGRESS FROM BUILDING
- H — BATHROOM LOCK, LEVER TYPE, BY SARGENT, DOOR STOP
- K — REUSE EXISTING HARDWARE

## GENERAL NOTES:

1. INSTALL INSULATED ATTIC HATCH (22" X 30") IN CORRIDOR.
2. INSTALL INTERIOR STEEL DOOR FRAMES, MACHINED SOLID CORE DOORS, LOCKSETS, HINGES, CLOSERS, AND DOOR STOPS.
3. TOILET PAPER DISPENSER @ 24" AFF TO ℄.
4. ALL OTHER DISPENSERS TO HAVE CONTROLS MOUNTED @ 40" AFF TO ℄ MAX.
5. SEE SHEET 5 FOR INTERIOR ELEVATIONS OF BREAK ROOM AND TOILET ROOMS.
6. ALL WIRED GLASS AND SAFETY GLASS WINDOWS TO BE LABELED.
7. ALL FIRE RATED DOORS TO BE LABELED.
8. INTERIOR SIGNS SHALL HAVE BOTH RAISED LETTERS AND BRAILLED CHARACTERS AND CONFORM TO STANDARDS LISTED IN THE CODE OF FEDERAL REGULATIONS, DEPARTMENT OF JUSTICE (28 CFR PART 36), SECTION 4.30.

NOTE:
1. DOOR HARDWARE FINISH TO BE STAINLESS STEEL.
2. ALL LOCKSETS TO BE KEYED DIFFERENT W/ MASTER KEY, KEYED BY OWNER.
3. ALL DOOR STOPS TO BE WALL MOUNTED W/ BLOCKING BEHIND.

## DOOR SCHEDULE

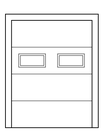



VISTAWALL OR KAWNEER - MEDIUM STILE BRONZE AL. ENTRANCE DOORS W/ BRONZE AL. FRAME, 1" TEMPERED INSULATED GLASS, AL. HC THRESHOLD, W/ SILL EXTENSION, DOOR SWEEP

- 1 — (1) 2" X 3'-0" X 7'-0" W/ (1) 1'-10" x 7'-0" SIDELIGHTS
- 2 — (1) 2" X 3'-0" X 7'-0"

1 3/4" SOLID CORE INSULATED METAL DOOR, METAL FRAME, DOOR SWEEP

- 3 — 3'-0" X 7'-0"



INSULATED METAL OVERHEAD DOOR BY OVERHEAD, WOOD FRAME & TRIM, WITH INSULATED GLASS

- 4 — 6'-0"x 8'-0"
- 5 — 12'-0" x 12'-0"

1 3/4" SOLID CORE FLUSH OAK DOOR, METAL FRAME

- 6 — 3'-0" X 7'-0"
- 7 — 2'-6" X 7'-0"
- 8 — 3'-0" X 7'-0" W/ TEMPERED SAFETY GLASS PANEL 20" WIDE & 32" HIGH, INSTALLED 7 3/4" DOWN FROM TOP OF DOOR WITH 1'-6" X 7'-0" TEMPERED SAFETY GLASS SIDELIGHT
- 9 — (2) 3'-0" X 7'-0" W/ TEMPERED SAFETY GLASS PANEL 24" WIDE & 48" HIGH, INSTALLED 7 3/4" DOWN FROM TOP OF DOOR
- 10 — 3'-0" X 7'-0" W/ TEMPERED SAFETY GLASS PANEL 24" WIDE & 48" HIGH, INSTALLED 7 3/4" DOWN FROM TOP OF DOOR WITH 1'-6" X 7'-0" TEMPERED SAFETY GLASS SIDELIGHT
- 11 — 3'-0" X 7'-0", 2 HOUR FIRE RATED DOOR AND FRAME
- 12 — 3'-0" X 7'-0", 45 MINUTE FIRE RATED DOOR

## LEGEND

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PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

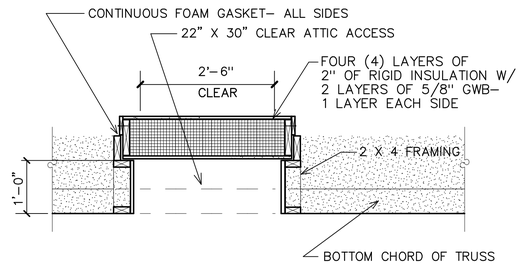
OWNER:
NMCC
33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
FLOOR PLAN, DOOR, HARDWARE, AND WINDOW SCHEDULES

DRAWN BY: R.K., R.VC., SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

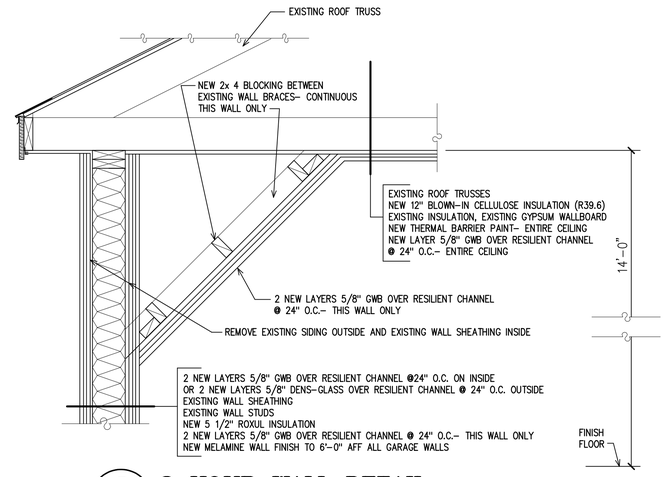
FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER: 2
OF 10



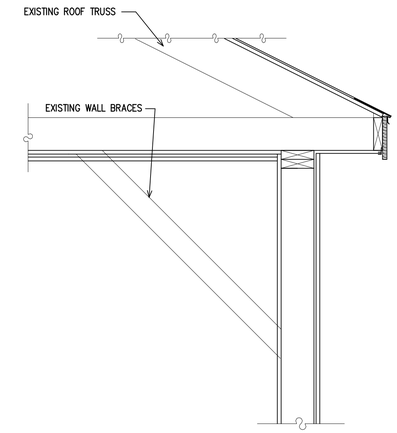

## A/3 ATTIC ACCESS DOOR SECTION

SCALE: 3/4" 1'–0"

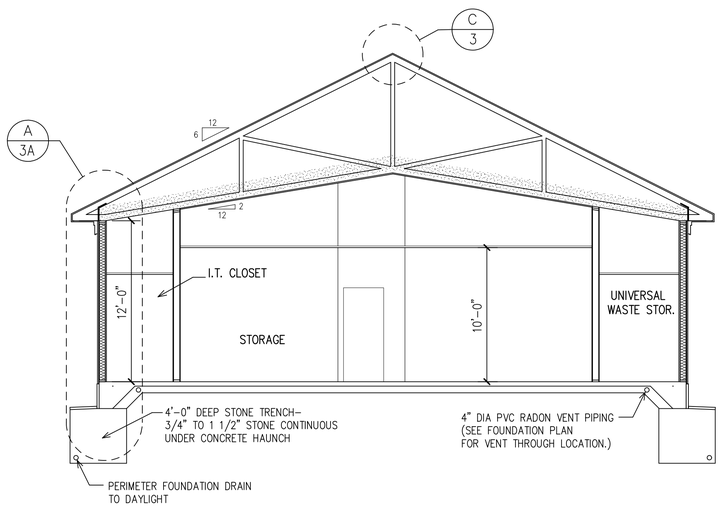



## B/3 2 HOUR WALL DETAIL

SCALE: 1"= 1'–0"

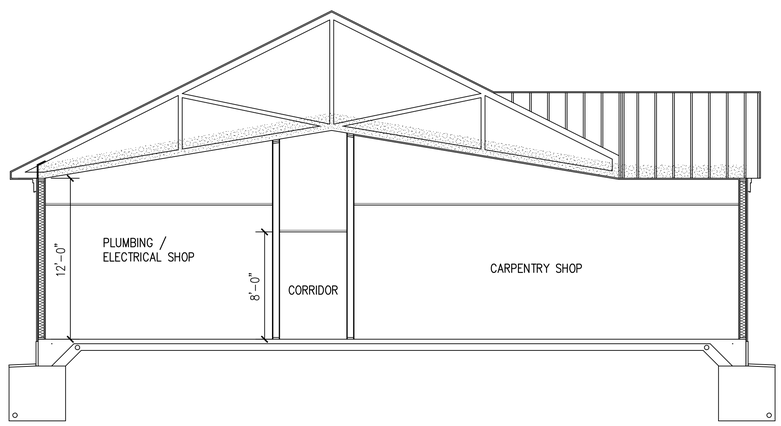



EXISTING GARAGE NORTH WALL



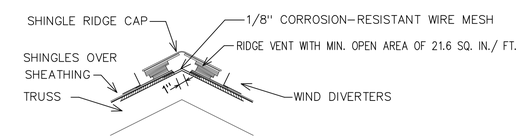

## 1/3 BUILDING SECTION 1

SCALE: 3/16" = 1'–0"



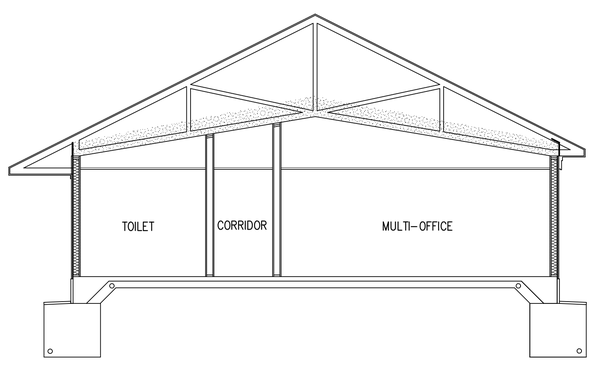

## 2/3 BUILDING SECTION 2

SCALE: 3/16" = 1'–0"



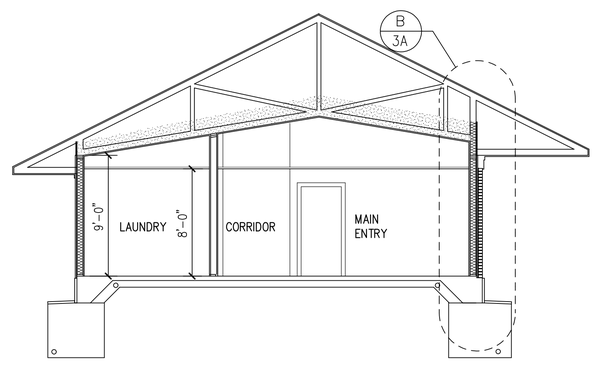

## C/3 RIDGE VENT DETAIL

SCALE: NONE



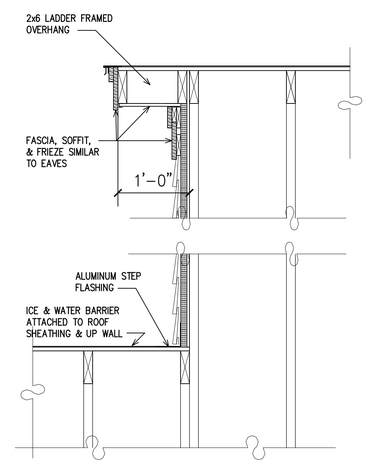

## 3/3 BUILDING SECTION 3

SCALE: 3/16" = 1'–0"




## 4/3 BUILDING SECTION 4

SCALE: 3/16" = 1'–0"




## D/3 RAKE SECTION

SCALE: 1"= 1'–0"

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PROJECT:
MAINTENANCE BUILDING
PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

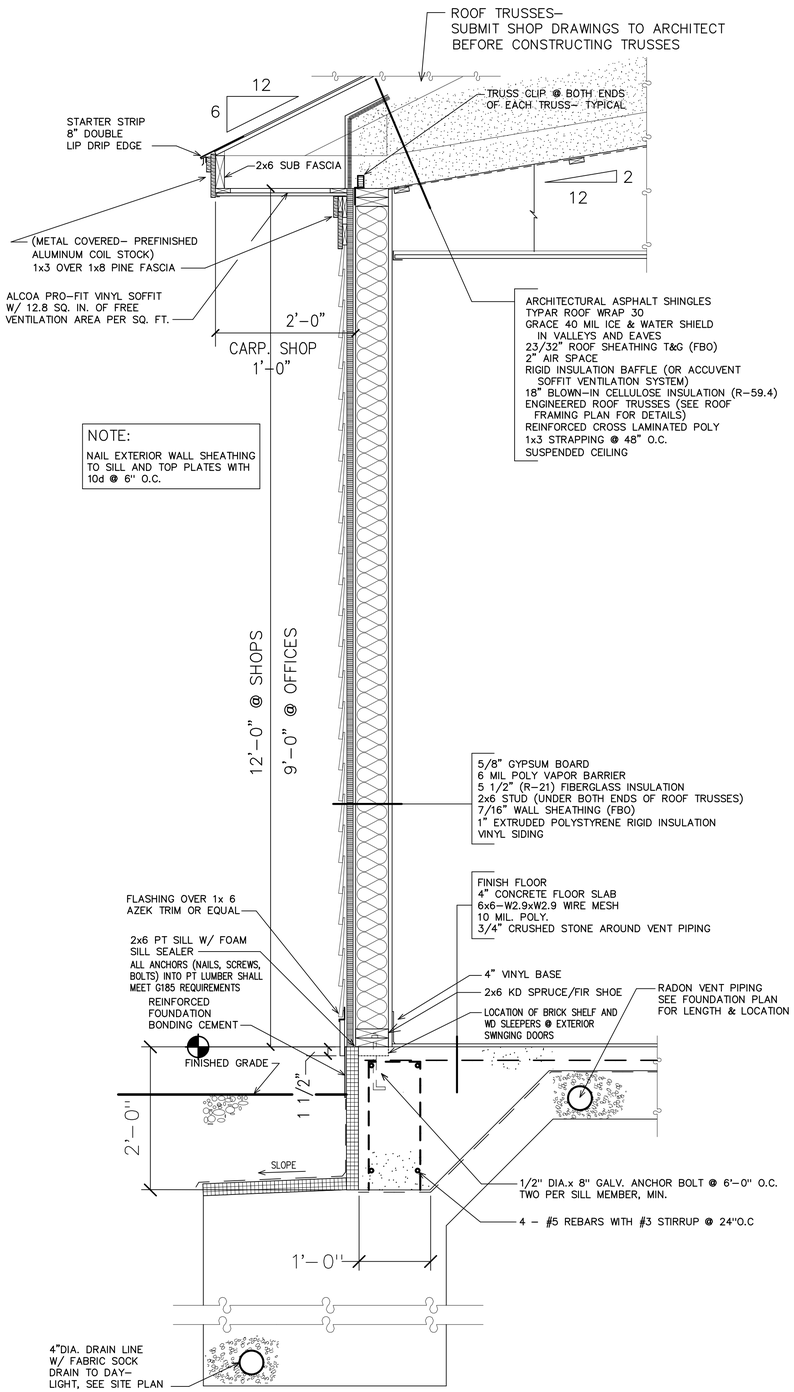
OWNER:
NMCC
33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
BUILDING SECTIONS
DETAILS

DRAWN BY: RJK, RVC, SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9–14
REVISIONS:

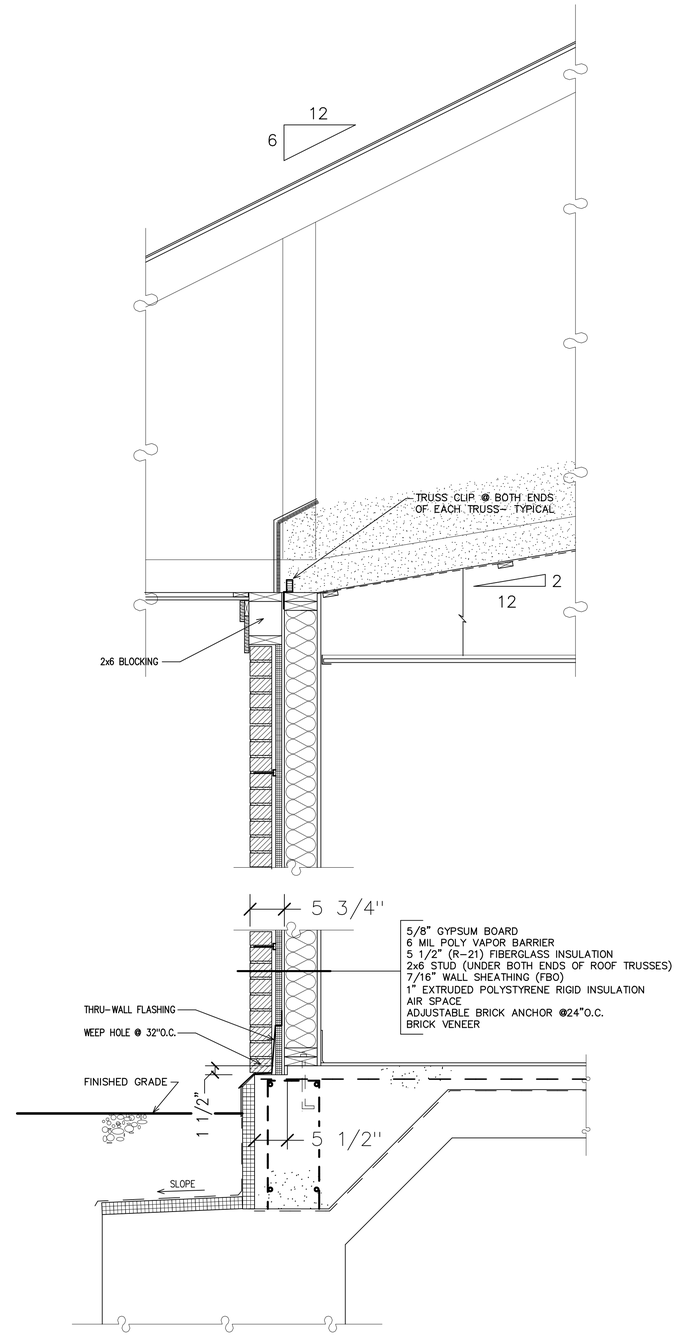
FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
3
OF
10




A / 3A **TYPICAL WALL SECTION**

SCALE: 1"= 1'–0"




B / 3A **BRICK WALL SECTION**

SCALE: 1"= 1'–0"

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OWNER:
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33 EDGEMONT DRIVE
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SHEET TITLE:
WALL DETAILS

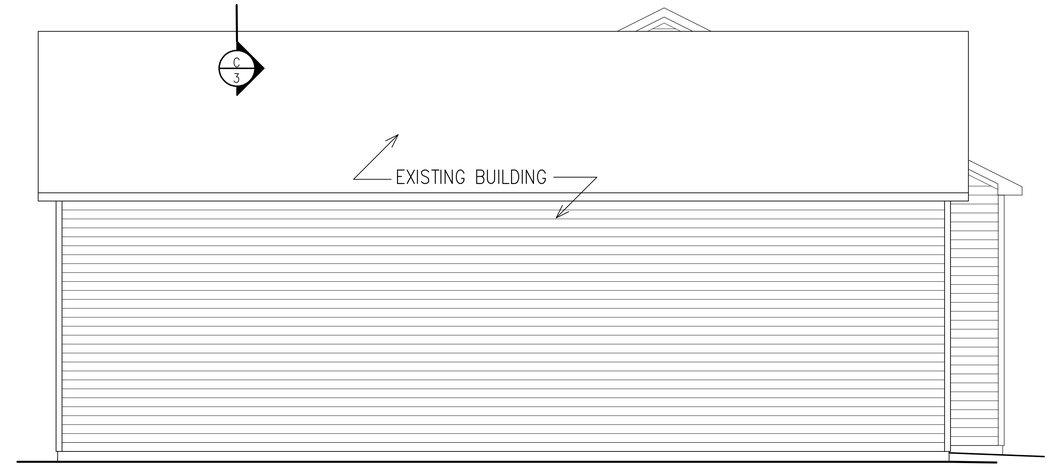
DRAWN BY: RJK, RVC, SWB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9–14
REVISIONS:

FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
3A
OF
10

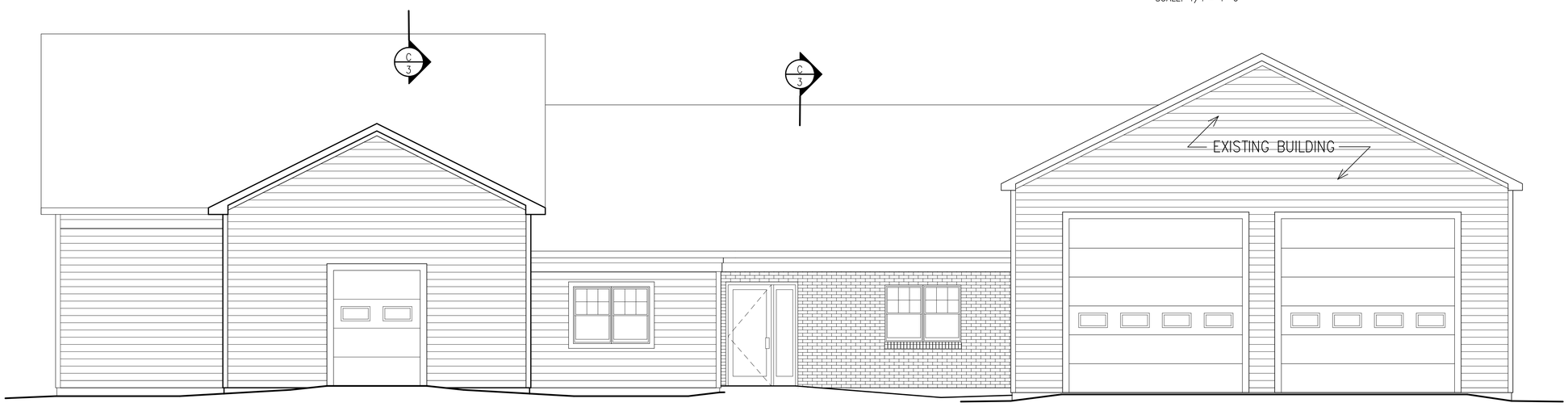
## SOUTH ELEVATION

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



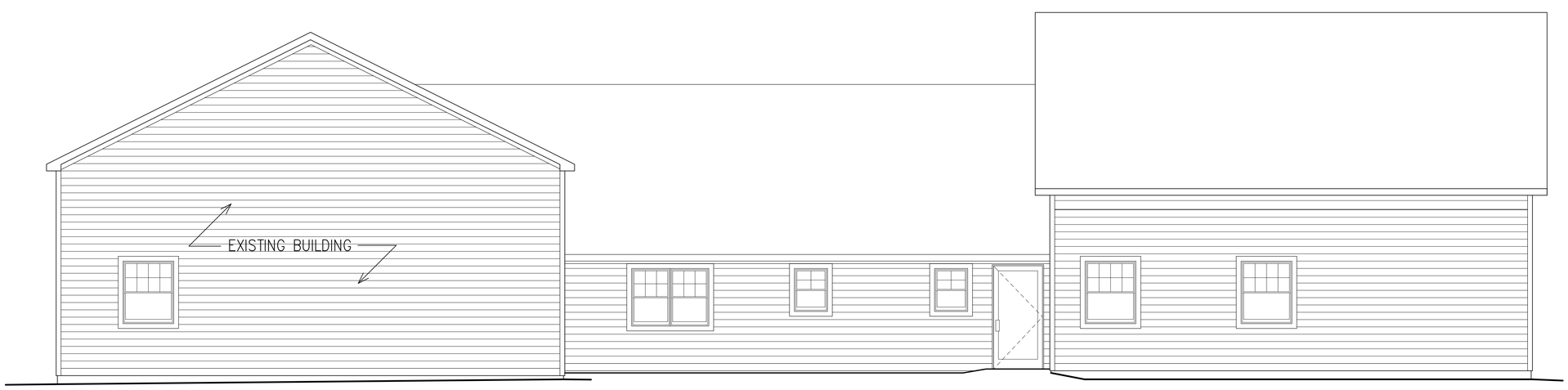

## NORTH ELEVATION

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




## EAST ELEVATION

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




## WEST ELEVATION

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

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SHEET TITLE:
EXTERIOR ELEVATIONS

DRAWN BY: RJK, RVC, SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
4
OF
10

# ROOM FINISH SCHEDULE

| ROOM NO. | ROOM NAME | FLOOR MAT. | FLOOR FIN. | BASE MAT. | BASE FIN. | WALLS MAT. | WALLS FIN. | CEILING MAT. | CEILING FIN. | CEILING HGT. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | MAIN ENTRY | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 102 | BREAK ROOM | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 103 | CORRIDOR TO EXISTING GARAGE | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | 2 HOUR WALLS<br>2 HOUR CEILING |
| 104 | SUPERVISORS OFFICE | LVT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 105 | JANITOR'S CLOSET | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 106 | CORRIDOR | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 107 | MULTI-OFFICE | LVT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 108 | TOILET | CT | --- | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 109 | CARPENTRY SHOP | CONC. | EPOXY | RB | --- | GWB | PT | GWB<br>SUSP. | ---<br>--- | 10'-0" | FIRE TAPE GWB CEILING ATTACHED TO UNDERSIDE OF ROOF TRUSSES |
| 110 | PLUMBING / ELECTRICAL SHOP | CONC. | EPOXY | RB | --- | GWB | PT | SUSP. | --- | 10'-0" | |
| 111 | UNIVERSAL WASTE STORAGE | CONC. | EPOXY | RB | --- | GWB | PT | SUSP. | --- | 8'-0" | |
| 112 | STORAGE | CONC. | EPOXY | RB | --- | GWB | PT | GWB<br>SUSP. | ---<br>--- | 10'-0" | FIRE TAPE GWB CEILING ATTACHED TO UNDERSIDE OF ROOF TRUSSES |
| 113 | MECHANICAL | CONC. | SEAL | RB | --- | GWB | PT | GWB | PT | 8'-0" | 1 HOUR FIRE RATED ROOM. |
| 114 | EXISTING GARAGE | --- | --- | --- | --- | GWB | PT | GWB | PT | 14'-0" | 2 HOUR PARTY WALL<br>2 HOUR CEILING |
| 115 | IT CLOSET | CONC. | SEAL | RB | --- | GWB | PT | SUSP | --- | 8'-0" | |
| 116 | STORAGE | CT | --- | RB | --- | GWB | PT | SUSP | --- | 8'-0" | |
| 117 | OPEN COAT CLOSET | CT | --- | RB | --- | GWB | PT | SUSP | --- | 8'-0" | |

# ABBREVIATIONS

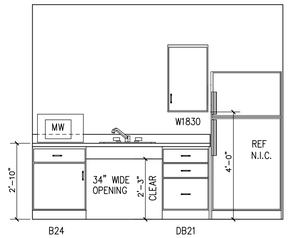
| | |
|---|---|
| AFF | ABOVE FINISH FLOOR |
| AL | ALUMINUM |
| AP | ACCESS PANEL |
| CAR | CARPET |
| CJ | CONTROL JOINT |
| ℄ | CENTER LINE |
| CT | CERAMIC TILE |
| CONC | CONCRETE |
| CONF | CONFERENCE |
| DISP | DISPENSER |
| EBK | EXISTING BRICK |
| ELEV | ELEVATION |
| FE | FIRE EXTINGUISHER |
| FBO | FURNISHED BY OWNER |
| FIN | FINISH |
| FND | FOUNDATION |
| GL | FINISH GRADE LINE |
| GWB | 5/8" GYPSUM WALLBOARD |
| HC | HANDICAPPED |
| HGT | HEIGHT |
| INS | INSULATION |
| INV | INVERT |
| L | LAVATORY |
| LVT | TOLI FLOOR TILE |
| MAT | MATERIAL |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| MR | MOISTURE RESISTANT |
| MW | MICROWAVE |
| MWD | MANUFACTURED WOOD FLOOR |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OH | OVERHANG |
| PT | PAINT |
| QT | QUARRY TILE |
| R | RADIUS |
| RB | RESILIENT BASE |
| REC | RECEPTACLE |
| REF | REFRIGERATOR |
| S | SINK |
| SCR-PT | SCREEN PAINT |
| ST | SOLATUBE (ROOF WINDOW) |
| SUSP | SUSPENDED |
| TYP | TYPICAL |
| VB | VINYL BASE |
| VCT | VINYL COMPOSITION TILE |
| W/ | WITH |
| WD | WOOD |
| WP | WALL PAPER |

## CEILINGS

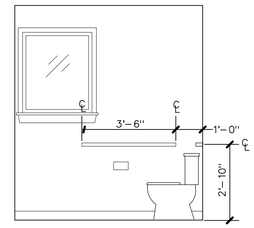
1. SUSPENDED CEILING TILE FOR ALL ROOMS W/ SUSPENDED CEILING TO BE ARMSTRONG CORTEGA 739 SQUARE-CUT 24"x24"x3/4"
2. CEILING IN ROOM 109 AND ROOM 113 TO HAVE TWO LAYERS OF 5/8" GWB ATTACHED TO ROOF TRUSSES W/ RESILIENT FURRING CHANNEL BETWEEN GWB LAYERS.
3. CEILING IN ROOM 114 TO HAVE ONE COAT OF THERMAL BARRIER PAINT OVER EXISTING GWB AND ONE NEW LAYER OF 5/8" GWB ATTACHED TO ROOF TRUSSES WITH RESILIENT FURRING CHANNE BETWEEN GWB LAYERS- UL L505.

## FLOORING & WALL FINISH NOTES:

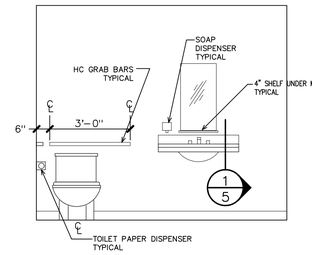
1. FLOOR TILE SHALL BE 12"x12" OR 4"x4" SLIP-RESISTANT CERAMIC TILE INSTALLED WITH THIN SET GROUT SYSTEM UNLESS NOTED OTHERWISE.
2. CUT AND FIT TILE CAREFULLY, FINISH, AND CLEAN.
3. FINISH ALL DRYWALL JOINTS WITH REINFORCING TAPE AND JOINT CEMENT, SAND SMOOTH.



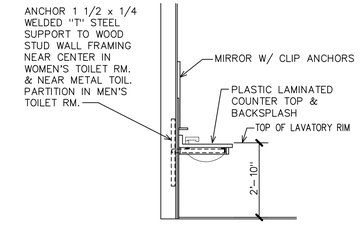

NORTH ELEVATION




WEST ELEVATION




NORTH ELEVATION




1/5 TOILET ROOM COUNTER

SCALE : 3/8" =1'-0"

N A 5 BREAK ROOM ELEVATION

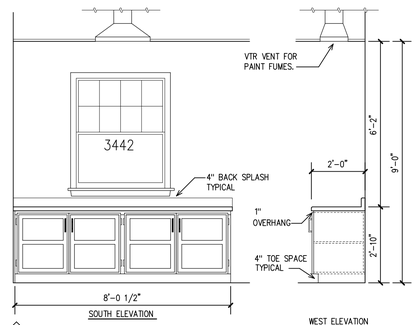
SCALE : 3/8" =1'-0"

N B 5 TYPICAL TOILET ROOM ELEVATIONS

SCALE: 3/8" = 1'-0"

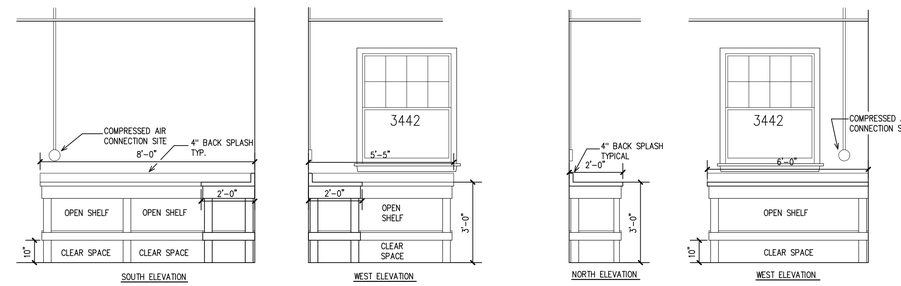
## GENERAL NOTES:

1. INSTALL INSULATED BOOTS OVER ALL EXPOSED HOT WATER LINES, DRAINS, AND TRAPS.
2. ALL COLD AND HOT WATER FAUCET CONTROLS FOR H.C. SINKS AND LAVATORIES TO BE PADDLE TYPE.




W C 5 S CARPENTRY WORK BENCH ELEV.

SCALE: 3/8" = 1'-0"

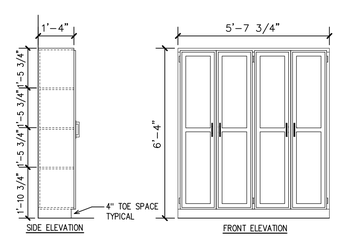



ELECTRICAL BENCH

PLUMBING BENCH

N D 5 S PLUMBING/ ELECTRICAL WORK BENCH ELEV.

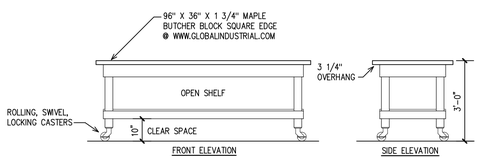
SCALE: 3/8" = 1'-0"




NOTE: SECURE CABINET TO WALL STUDS W/ 3 1/2" DECK SCREWS AND WASHERS.

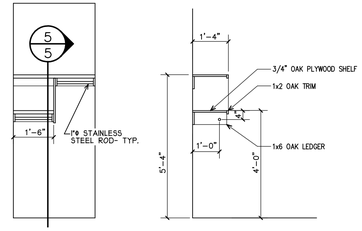
W E 5 S PAINT CABINET ELEV.

SCALE: 3/8" = 1'-0"




W F 5 S PORTABLE WORK BENCH ELV.

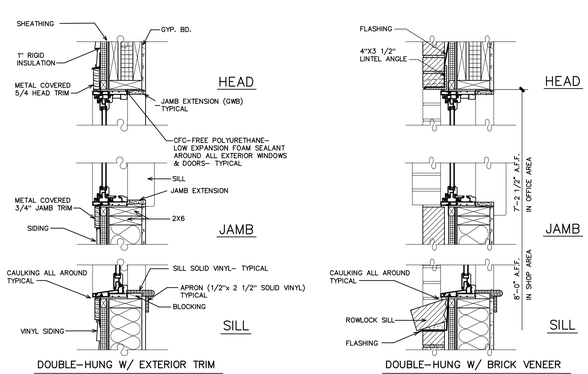
SCALE: 3/8" = 1'-0"




5/5 COAT RACK SECTION

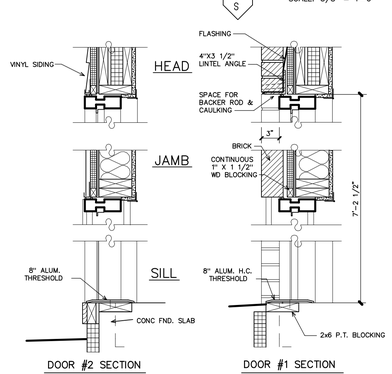
W G 5 S COAT RACK ELEVATION

SCALE: 3/8" = 1'-0"



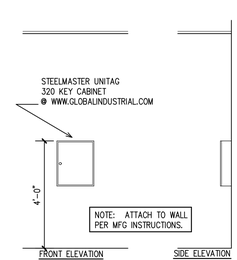

## TYPICAL WINDOW SECTION

SCALE: 1" = 1' - 0"




## TYPICAL EXTERIOR DOOR SECTIONS

SCALE: 1" = 1' - 0"




W H 5 S KEY CABINET ELEV.

SCALE: 3/8" = 1'-0"

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PROJECT:
MAINTENANCE BUILDING
PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

OWNER:
NMCC
33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS
DOOR & WINDOW SECTIONS

DRAWN BY: RJK, RVC, SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
5
OF
10

# DESIGN LOADS

1. BUILDING CODE:
   MAINE UNIFORM BUILDING AND ENERGY CODE
   INTERNATIONAL BUILDING CODE, 2009 EDITION
   ASCE 7-05

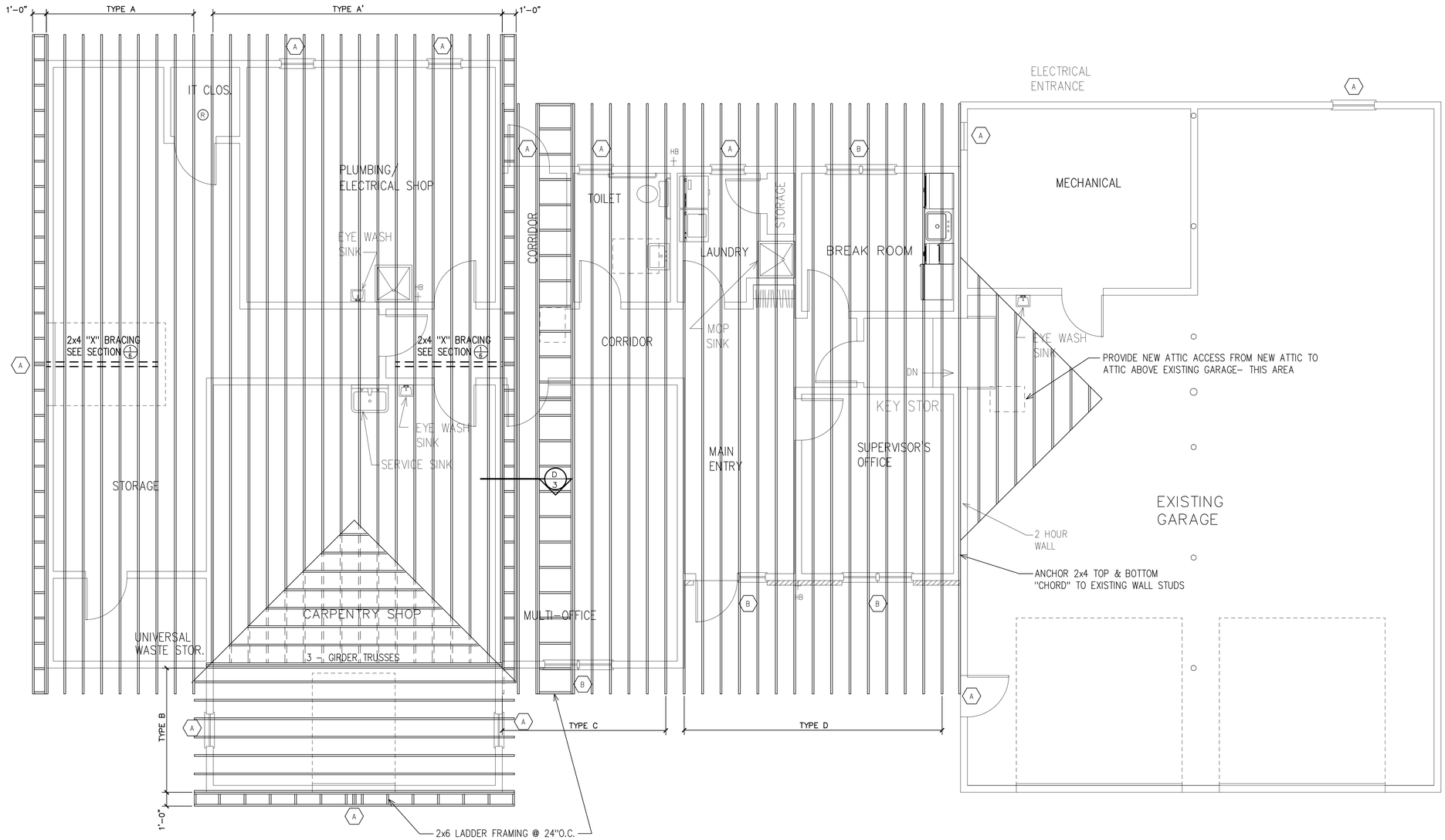
2. DESIGN ROOF SNOW LOAD

| | |
|---|---|
| GROUND SNOW LOAD (Pg) | 100 PSF |
| SNOW EXPOSURE FACTOR (Ce) | 1.0 |
| SNOW LOAD IMPORTANCE FACTOR (Is) | 1.0 |
| SNOW LOAD THERMAL FACTOR (Ct) | 1.1 |
| ROOF SNOW LOAD (Ps) | 77 PSF |

3. DESIGN WIND LOAD

| | |
|---|---|
| BASIC WIND SPEED | 90 MPH |
| WIND LOAD IMPORTANCE FACTOR (Iw) | 1.15 |
| WIND EXPOSURE | B |

4. DESIGN SEISMIC LOADS
   SEISMIC DESIGN CATEGORY: B



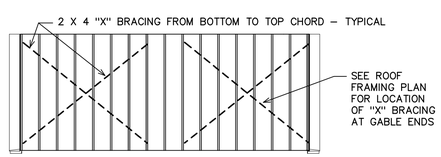

## HEADER SCHEDULE

(A) 2 - 2x10 SPF

(B) 2 - 1 3/4"x9 1/4" LVL

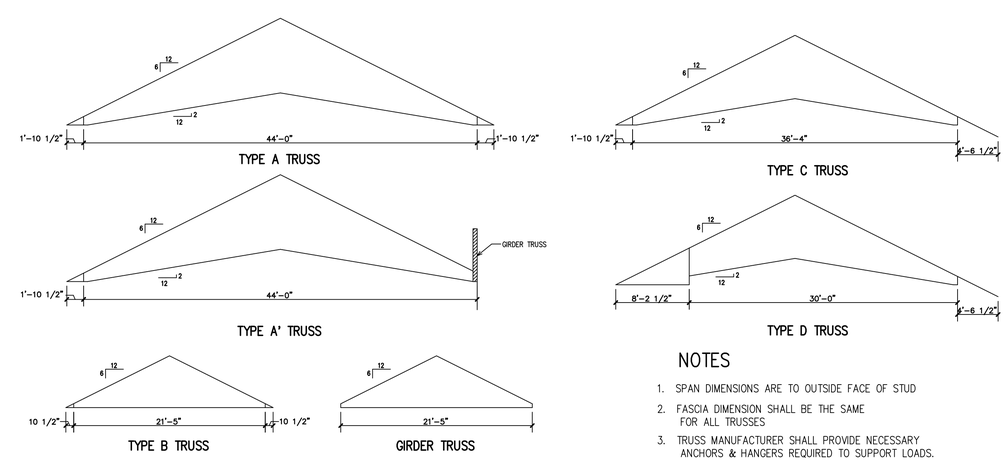
## ROOF FRAMING PLAN

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




## 1/6 TRUSS "X" BRACING DETAIL

SCALE: NONE




## TRUSS SCHEMATIC

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

## NOTES

1. SPAN DIMENSIONS ARE TO OUTSIDE FACE OF STUD
2. FASCIA DIMENSION SHALL BE THE SAME FOR ALL TRUSSES
3. TRUSS MANUFACTURER SHALL PROVIDE NECESSARY ANCHORS & HANGERS REQUIRED TO SUPPORT LOADS.
4. TRUSS MANUFACTURER SHALL VERIFY DIMENSIONS FOR TRUSSES TO BE INSTALLED OVER EXISTING GARAGE.

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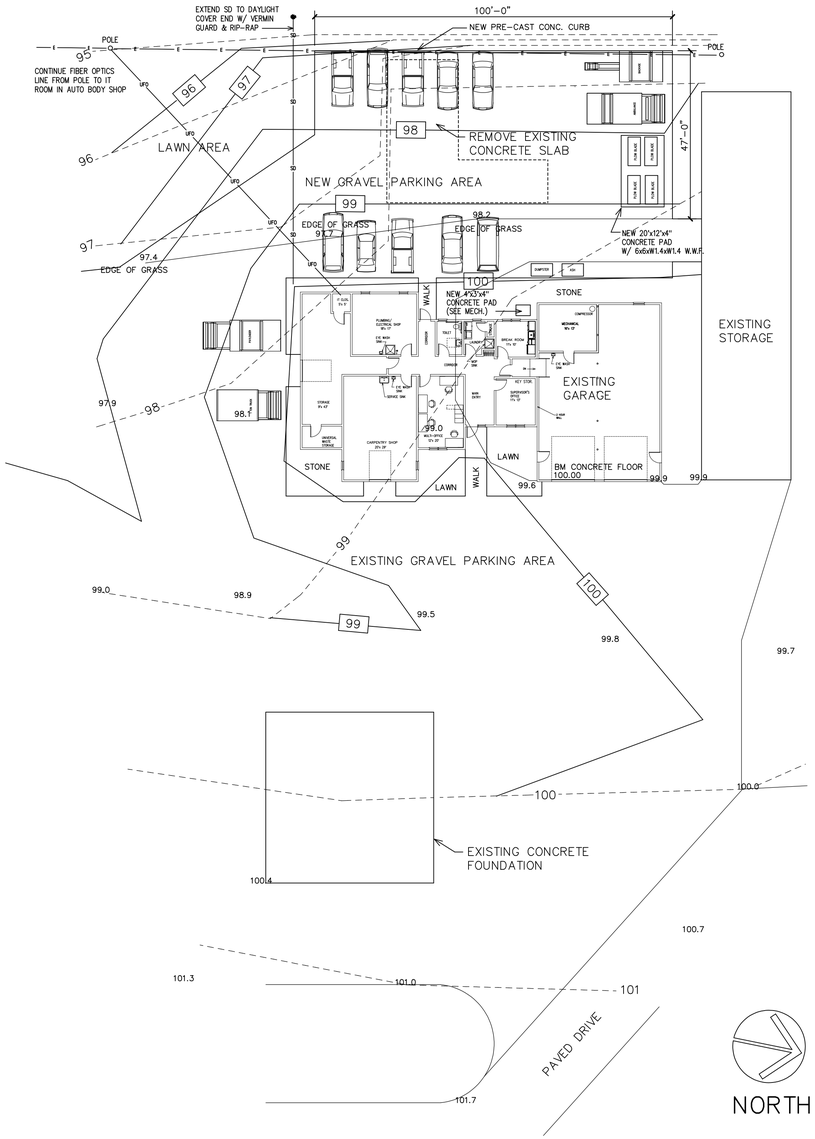
04769

SHEET TITLE:
ROOF FRAMING PLAN
DETAILS

DRAWN BY: RJK, RVC, SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

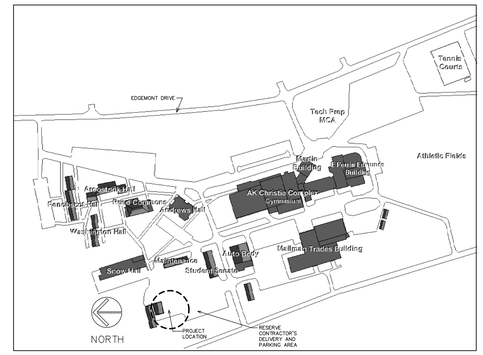
FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
6
OF
10



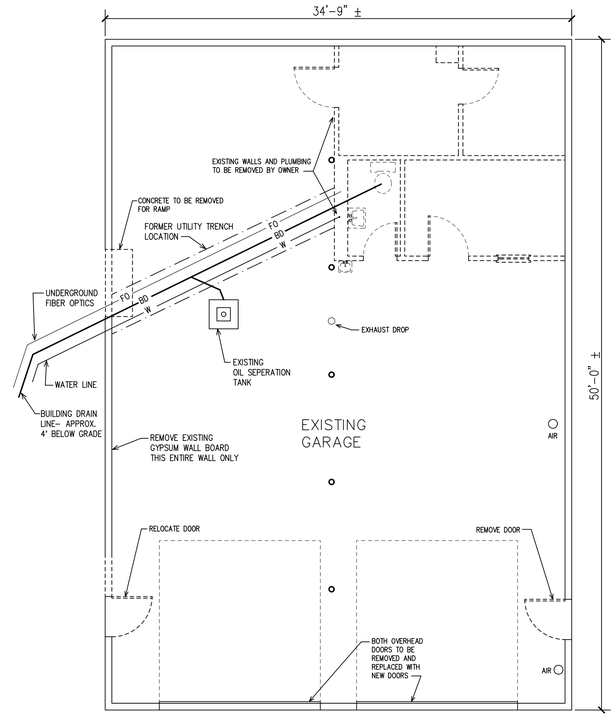

## NEW SITE PLAN

SCALE: 1"= 20'-0"



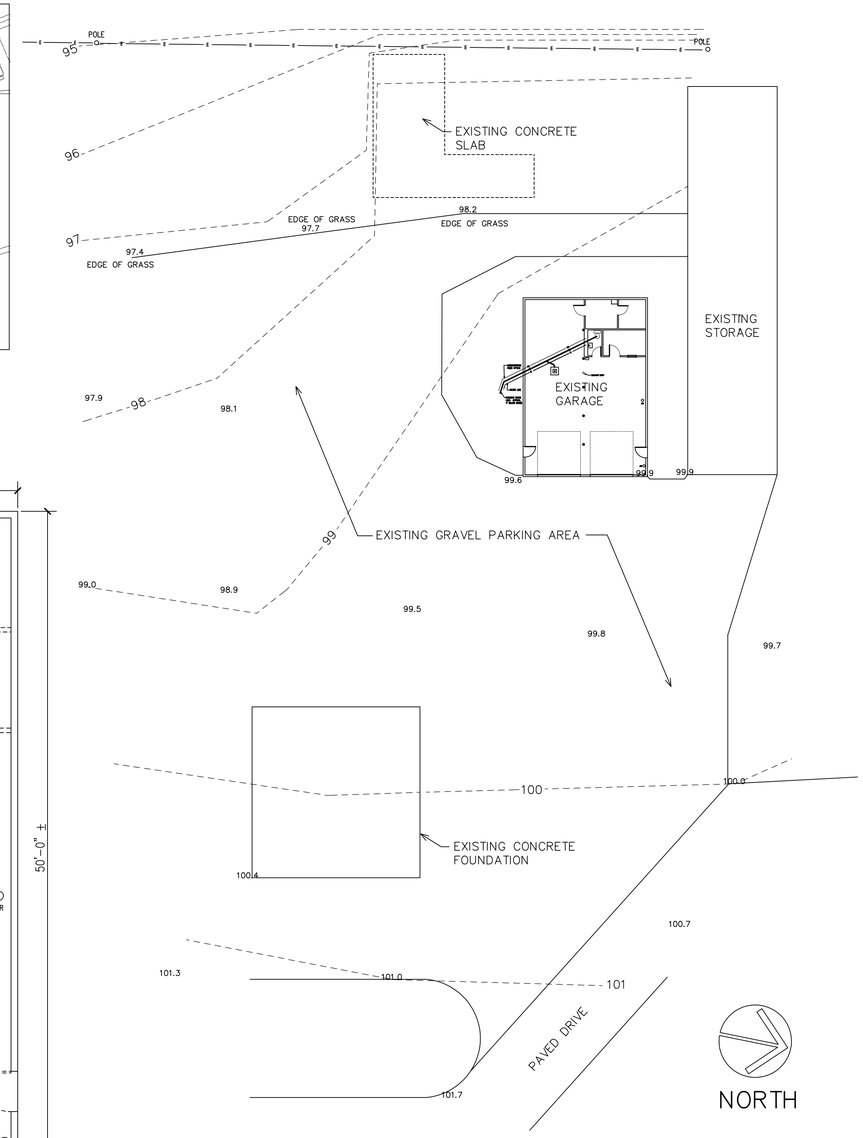

## NMCC CAMPUS PLAN

SCALE: NONE




## DEMOLITION FLOOR PLAN

SCALE: 3/16"= 1'-0"




## EXISTING SITE PLAN

SCALE: 1"= 20'-0"

## I N D E X


| SHEET # | DESCRIPTION |
|---|---|
| C1 | EXISTING SITE PLAN, NEW SITE PLAN, LOCATION PLAN, & DEMOLITION PLAN |
| 1 | FOUNDATION PLAN, SECTIONS, DETAILS |
| 2 | FLOOR PLAN, DOOR, HARDWARE, WINDOW SCHEDULES |
| 3 | BUILDING SECTIONS, DETAILS |
| 3A | WALL DETAILS |
| 4 | EXTERIOR ELEVATIONS |
| 5 | ROOM FINISH SCHEDULE, INTERIOR ELEVATIONS, DOOR & WINDOW SECTIONS |
| 6 | ROOF FRAMING PLAN, DETAILS |
| M-1 | MECHANICAL DUCT WORK PLAN |
| M-2 | MECHANICAL PIPING PLAN |
| M-3 | AC & COMPRESSED AIR PIPING PLAN |
| M-4 | MECHANICAL ROOM PART PLAN & BOILER RISER DIAGRAM |
| M-5 | MECHANICAL DETAILS |
| M-6 | MECHANICAL SCHEDULES & LEGEND |

| SHEET # | DESCRIPTION |
|---|---|
| P-1 | SANITARY WASTE PLUMBING PLAN |
| P-2 | DOMESTIC COLD & HOT WATER PLUMBING PLAN & MECHANICAL ROOM PLUMBING PART PLAN |
| P-3 | PLUMBING DETAILS & FIXTURE SCHEDULE |
| E-1 | ELECTRICAL LIGHTING PLAN, LEGEND |
| E-2 | ELECTRICAL POWER PLAN, SCHEDULES |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PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

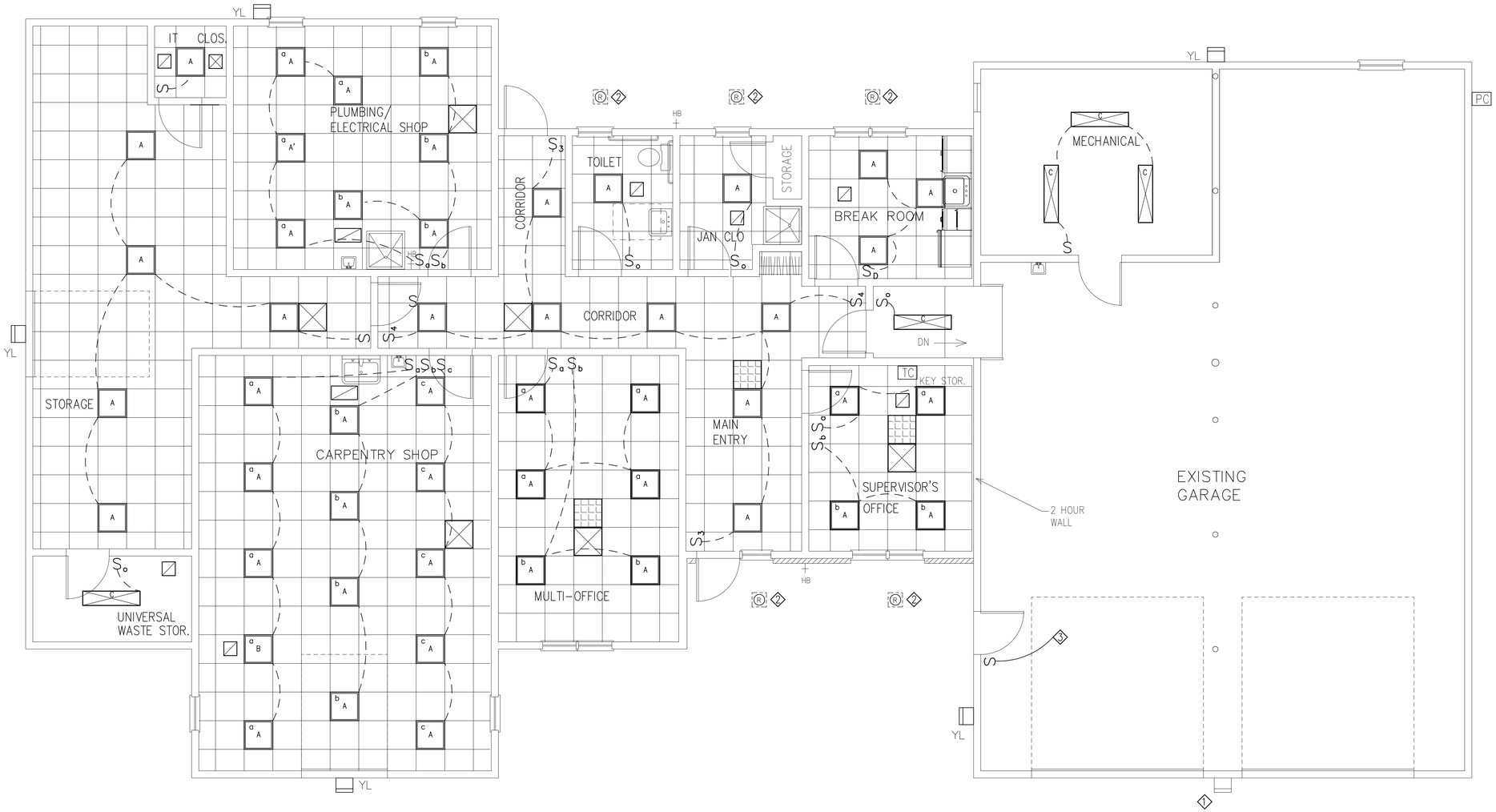
OWNER:
NMCC
33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
EXISTING SITE PLAN
NEW SITE PLAN
LOCATION PLAN
DEMOLITION FLOOR PLAN

DRAWN BY: R.K., RVC
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

FOR CONSTRUCTION
DATE: MARCH 27, 2015

SHEET NUMBER:
C1
OF
10




# ELECTRICAL LIGHTING PLAN

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

## LIGHTING KEYED NOTES

1. EXISTING WALLPACK TO REMAIN
2. CONTROLLED BY TIME CLOCK IN SUPERVISOR'S OFFICE AS PHTOCELL ON/TIMECLOCK OFF
3. RELOCATE LIGHT SWITCHING FOR NEW ENTRY DOOR LOCATION. CONSULT WITH OWNER FOR SWITCHING PROCEDURE. THE MINIMUM AIC RATING IS 42 KAIC.

## LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| SD | SMOKE DETECTOR CEILING MOUNTED |
| S | SINGLE-POLE SWITCH, MOUNTED 48" AFF |
| $S_3$ | THREE-WAY SWITCH,MOUNTED 48" AFF |
| $S_4$ | FOUR-WAY SWITCH, MOUNTED 48" AFF |
| $S_D$ | DIMMER SWITCH, COMPATILBE WITH LIGHTING FIXTURES, MOUNTED 48" AFF |
| $S_O$ | OCCUPANCY SENSOR SWITCH, DUAL MODE W/ ADJUSTABLE OFF-DELAY |
| $S_E$ | OIL BURNER EMERGENCY SWITCH W/ RED COVER PLATE. LOCATE AS PER MECHANICAL PLANS & APPLICABLE CODES |
| | DUPLEX ELECTRICAL RECEPTACLE OUTLET, MOUNTED 18" AFF @ ℄ |
| | DUPLEX ELECTRICAL RECEPTACLE OUTLET, CEILING MOUNTED |
| C | DUPLEX ELECTRICAL RECEPTACLE OUTLET, MOUNTED 44" AFF @ ℄ |
| | GROUND FAULT CIRCUIT INTERRUPTER, DO NOT FEED THROUGH |
| | QUADRUPLEX ELECTRICAL RECEPTACLE OUTLET, 18" AFF @ ℄ |
| | SPECIAL POWER OUTLET |
| | LED EXIT SIGN WITH STENCIL FACE, CEILING MOUNTED |
| F | FIRE ALARM PULL BOX, MOUNTED 44" AFF |
| O | OCCUPANCY/VACANCY SENSOR, CEILING MOUNTED |
| S 15 | STROBE FOR FIRE ANNUNCIATION, WALL MOUNTED 88" AFF (NUMBER INDICATES CANDELA MINIMUM) |
| H 15 | HORN/STROBE, WALL MOUNTED 88" AFF, (NUMBER INDICATES CANDELA MINIMUM) |
| FE | 6 POUND FE-36 FIRE EXTINGUISHER, SURFACE MOUNT ON WALLS 40" AFF @ ℄ |
| WP | WEATHERPROOF |

| SYMBOL | DESCRIPTION |
|---|---|
| A | TYPE A, NICOR T3V LED, LIGHTING FIXTURE, 2'x2' RECESSED GRID TROFFER, 3500K |
| a A | SWITCHED BY Sa. LOWER CASE SUBLETTER DENOTES SWITCH. |
| | 4' LED ENCLOSED WRAPAROUND, COLUMBIA LAW4-35-ML-E-U |
| | RECESSED, LED DOWNLIGHT, HALO H7T THERMAL GUARD HOUSING W/ .310P BLACK COILEX BAFFLE |
| | EXTERIOR RECESSED, LED DOWNLIGHT, HALO 750T W/ RL560WH6835 LED MODULE, SUITABLE FOR DAMP LOCATION, WHITE TRIM CONTROLLED BY A TIMECLOCK |
| YL | LITHONIA D-SERIES SIZE 1 LED AREA LUMINAIRE "WALL PACK" DSXW1 LED 20C 700 40K T3M MVOLT PE DBLXD, CONTROLLED BY A PHOTOELECTRIC CELL INTEGRAL TO FIXTURE |
| | LED EXIT SIGN, LITHONIA LHQM-LED-R |
| | LED EXIT SIGN/ EMERGENCY LIGHT COMBINATION, LITHONIA LQMSW3R-ELN |
| | LED EMERGENCY LIGHT UNIT, LITHONIA ELM2-LED |
| | VOICE/DATA JACK, MOUNTED 18" AFF, SEE DETAIL |
| | ANALOG TELEPHONE JACK, MOUNTED 18" AFF |
| | MOTOR |
| PC | PHOTOCELL TO MATCH TIMECLOCK |
| TC | TORK TIMECLOCK, #930L-E WITH 2101 PHOTOCELL |
| PB | PUSH BUTTON OVERHEAD DOOR OPENER |
| F | DISCONNECT SWITCH, G.E. CR101 SERIES FOR FRACTIONAL HP MOTORS & G.E. TG SERIES GENERAL DUTY FOR LARGER MOTORS & EQUIPMENT. SWITCHES SHALL BE LOCKABLE, WHERE REQUIRED, PER NEC ART. 110.25. |

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04769

SHEET TITLE:
ELECTRICAL LIGHTING PLAN
LEGEND

DRAWN BY: RJK, RVC, SMB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

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DATE: MARCH 19, 2015

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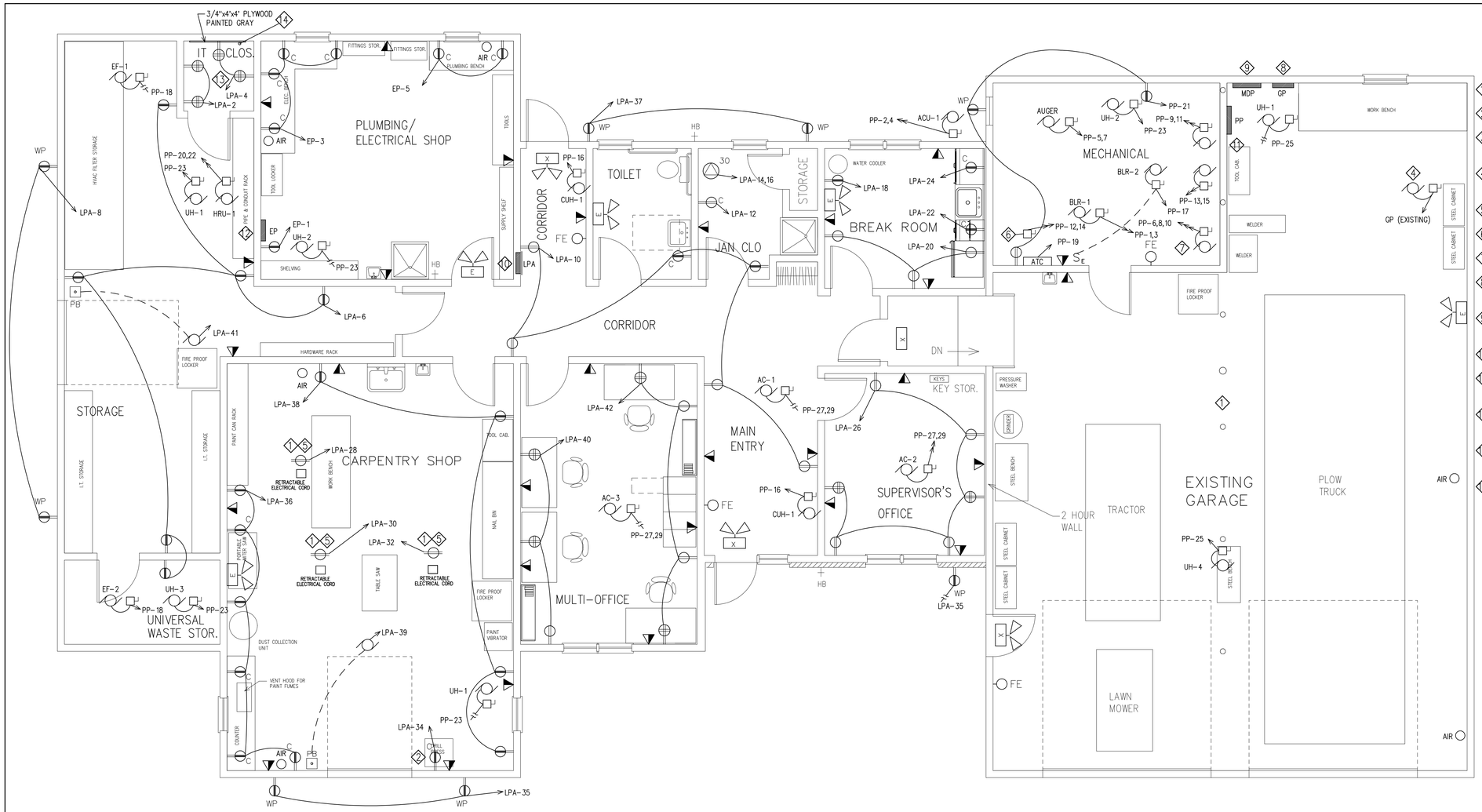
E-1
OF
10

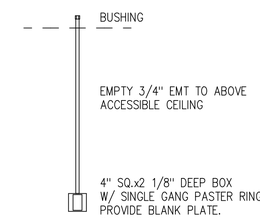



# ELECTRICAL POWER PLAN

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

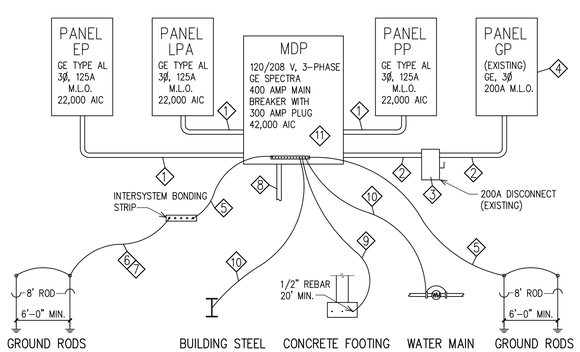
## POWER KEYED NOTES

1. MOUNTED FLUSH WITH CEILING
2. RECEPTACLE TO BE READILY ACCESSIBLE AFTER EQUIPMENT LOCATED
3. EXISTING GARAGE N.I.C. EXCEPT AS NOTED. ACCOMODATE OTHER TRADES
4. EXISTING VEHICLE EXHAUST FAN. DISCONNECT UNIT & RE-INSTALL WHEN REMOUNTED.
5. RETRACTABLE CORD F.B.O.
6. EXISTING WATER HEATER. RE-WIRE IN NEW LOCATION AS INDICATED.
7. EXISTING AIR COMPRESSOR. RE-WIRE IN NEW LOCATION AS INDICATED.
8. EXISTING SERVICE PANEL & DISCONNECT SWITCH. RE-FEED EXISTING PANEL WITH FEEDER AS NOTED.
9. NEW SERVICE PANEL MDP. PROVEDE 3/4" PLYWOOD (4'x4' MIN.), PAINTED GRAY.
10. LIGHTING PANEL LPA. FUR WALL IF NEEDED
11. PANEL PP. VERIFY LOCATION FOR ALL REQUIRED CLEARANCES. PROVIDE 3/4" PLY WOOD (4'x4' MIN.), PAINTED GRAY
12. ELECTRICAL PANEL FOR SHOP USE. PROVIDE 3/4" PLYWOOD (4'x4' MIN. ), PAINTED GRAY.
13. PROVIDE (3) 2" PVC EMPTY CONDUITS W/ BUSHED ENDS FROM STORAGE TO BELOW CEILING IN IT ROOM. LOCATE AS DIRECTED BY NMCC.
14. INSTALL 4" PVC CONDUIT WITH LONG-SWEEP 90 DEGREE ELBOW FROM IT ROOM TO 24" BELOW GRADE AT BUILDING EXTERIOR FOR FUTURE COMMUNICATINONS.




# VOICE/DATA OUTLET DETAIL

SCALE: N.T.S.




# POWER RISER DIAGRAM

N.T.S.

## RISER KEYED NOTES

1. (4) #2 AWG CU THHN & (1) #8 AWG CU THHN IN 1 1/2" EMT
2. (4) #1 AWG CU THHN & (1) 6 AWG CU THHN IN 1 1/2" EMT
3. RE-FUSE WITH CLASS RK-1 TIME DELAY, CURRENT-LIMITING FUSES RATED AT 125 AMPERES. PROVIDE INSULATED NEUTRAL CONNECTION.
4. EXISTING 200 AMP MLO PANEL TO REMAIN, ENSURE SEPARATION OF NEUTRAL AND E.G.C.
5. #6 AWG CU (MINIMUM)
6. #6 AWG CU (MINIMUM) BURIED TO EXTERIOR OF IT ROOM.
7. GROUND RODS AT IT ROOM. PROVIDE #6 AWG PIGTAIL TO INTERIOR OF IT ROOM.
8. (4) 500 KCMIL AL XHHW-2 IN 4" SCHED. 80 PVC UNDERGROUND TO EXISTING SERVICE POLE. SEE SITE PLAN.
9. #4 AWG CU
10. #2 AWG CU
11. PROVIDE BONDING BUSHINGS AT BOTH ENDS OF FEEDERS.

## EP PANEL SCHEDULE

EP PANEL, GE TYPE AL, 22 KAIC, 30 CIRCUITS, RATED 125 AMPERES, 120/208 VOLTS, 3-PHASE

| CIRCUIT | LOCATION | BREAKER | LOAD | PHASE | LOAD | BREAKER | LOCATION | CIRCUIT |
|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, THREADER | 20A/1P | 10.0 | A | -- | 20A/1P | SPARE | 2 |
| 3 | RECEPTACLES, ELECTRICAL BENCH | 20A/1P | 6.0 | B | -- | 20A/1P | | 4 |
| 5 | RECEPTACLES, PLUMBING BENCH | 20A/1P | 3.0 | C | -- | 20A/1P | 3/ POLE SPACE | 6 |
| 7 | SPACE | | | | | | | 8 |
| = | ↓ | | | | | | ↓ | = |
| 29 | | | | | | | | 30 |

## MDP PANEL SCHEDULE

MDP PANEL, GE SPECTRA, 42 KAIC, 400/ 300 MAIN BREAKER, INTERCHANGEABLE TRIP, 120/208 VOLTS, 3-PHASE

| LOCATION | BREAKER | LOAD | PHASE | LOAD | BREAKER | LOCATION |
|---|---|---|---|---|---|---|
| PANEL LPA | 100A/3P | 75.8 | A | 78.7 | 100A/3P | PANEL PP |
| ↓ | ↓ | 97.4 | B | 64.1 | ↓ | ↓ |
| | | 78.3 | C | 58.0 | | |
| PANEL EP | 100A/3P | 10.0 | A | 47.5 | 125A/3P | PANEL GP (EXISTING) |
| ↓ | ↓ | 6.0 | B | 64.9 | ↓ | ↓ |
| | | 3.0 | C | 64.9 | | SPACE |
| SURGE PROTECTIVE DEVICE GE TRANQUELL 50 KA MANUFACTURER INSTALLED | | | A | | | |
| | | | B | | | |
| | | | C | | | |

CONNECTED LOAD: PHASE A = 212 A PHASE B = 232 A PHASE C = 204 A (77.88 KVA)

## LPA PANEL SCHEDULE

LPA PANEL, SQUARE D, NQOD PANEL, 65 KAIC, 42 CIRCUITS, RATED 400 AMPERES, 120/208 VOLTS, 3-PHASE

| CIRCUIT | LOCATION | BREAKER | LOAD | PHASE | LOAD | BREAKER | LOCATION | CIRCUIT |
|---|---|---|---|---|---|---|---|---|
| *1 | LIGHTS, CORRIDOR 101 & 106 | 20A/1P | 2.33 | A | 6.0 | 20A/1P | RECEPTACLE, I.T. ROOM (S) | 2 |
| *3 | LIGHTS, ELEC/PLUMB SHOP, STORAGE, & I.T. | 20A/1P | 4.79 | B | 6.0 | 20A/1P | RECEPTACLE, I.T. ROOM (N, W) | 4 |
| *5 | LIGHTS, OFFICES, TOILET, BREAK ROOM, & LAUNDRY | 20A/1P | 5.00 | C | 7.5 | 20A/1P | RECEPTACLE, STORAGE | 6 |
| 7 | LIGHTS, CARPENTRY SHOP | 20A/1P | 4.67 | A | 3.0 | 20A/1P | RECEPTACLE, EXTERIOR (STORAGE) | 8 |
| 9 | LIGHTS, EXTERIOR WALLPACKS | 20A/1P | 3.75 | B | 9.0 | 20A/1P | RECEPTACLE, CORRIDOR & LAVATORY | 10 |
| 11 | LIGHTS, SPARE | 20A/1P | -- | C | 12.5 | 20A/1P | RECEPTACLE, WASHER | 12 |
| 13 | LIGHTS, MECH. ROOM & RAMP | 20A/1P | 1.83 | A | 24.0 | 30A/1P | RECEPTACLE, DRYER | 14 |
| 15 | LIGHTS, CANOPY | 20A/1P | 1.25 | B | 24.0 | 30A/1P | RECEPTACLE, DRYER | 16 |
| 17 | SPARE FOR PARKING AREA | 20A/1P | -- | C | 5.0 | 20A/1P | RECEPTACLE, WATER COOLER (BREAK ROOM) | 18 |
| 19 | SPARE FOR PARKING AREA | 20A/1P | -- | A | 8.0 | 20A/1P | RECEPTACLE, FRIDGE, (BREAK ROOM) | 20 |
| 21 | | | | B | 12.5 | 20A/1P | RECEPTACLE, COUNTER (BREAK ROOM, RIGHT) | 22 |
| 23 | | | | C | 12.5 | 20A/1P | RECEPTACLE, COUNTERTOP (BREAK ROOM, LEFT) | 24 |
| 25 | | | | A | 12.0 | 20A/1P | RECEPTACLE, SUPERVISOR OFFICE | 26 |
| 27 | | | | B | 5.0 | 20A/1P | RECEPTACLE, CEILING, CARPENTRY SHOP (1) | 28 |
| 29 | | | | C | 5.0 | 20A/1P | RECEPTACLE, CEILING, CARPENTRY SHOP (2) | 30 |
| 31 | | | | A | 5.0 | 20A/1P | RECEPTACLE, CEILING, CARPENTRY SHOP (3) | 32 |
| 33 | | | | B | 13.8 | 20A/1P | RECEPTACLE, DRILL PRESS (CARPENTRY SHOP) | 34 |
| 35 | RECEPTACLE, EXTERIOR (EAST) | 20A/1P | 4.5 | C | 9.0 | 20A/1P | RECEPTACLE, CARPENTRY SHOP (S, E) | 36 |
| 37 | RECEPTACLE, EXTERIOR (WEST) | 20A/1P | 3.0 | A | 6.0 | 20A/1P | RECEPTACLE, CARPENTRY SHOP (N, W) | 38 |
| 39 | OVERHEAD DOOR, CARPENTRY SHOP | 20A/1P | 9.8 | B | 7.5 | 20A/1P | RECEPTACLE, MULTI-OFFICE (S) | 40 |
| 41 | OVERHEAD DOOR, STORAGE | 20A/1P | 9.8 | C | 7.5 | 20A/1P | RECEPTACLE, MULTI-OFFICE (N, W) | 42 |

NOTE: —◇— = GFCI BREAKER

## PP PANEL SCHEDULE

PP PANEL, SQUARE D, NQOD PANEL, 65 KAIC, 30 CIRCUITS, RATED 200 AMPERES, 120/208 VOLTS, 3-PHASE

| CIRCUIT | LOCATION | BREAKER | LOAD | PHASE | LOAD | BREAKER | LOCATION | CIRCUIT |
|---|---|---|---|---|---|---|---|---|
| 1 | PELLET BOILER (BLR-1) | 15A/1P | 12 ◇ | A | 6.0 | 30A/1P | ACU-1 | 2 |
| 3 | PELLET BOILER (BLR-1) | 15A/1P | 12 | B | 6.0 | 30A/1P | ACU-1 | 4 |
| 5 | PELLET AUGER | 15A/1P | 5.4 | C | 7.5 | 30A/1P | AIR COMPRESSOR | 6 |
| 7 | PELLET AUGER | 15A/1P | 5.4 ◇ | A | 3.0 | 30A/1P | AIR COMPRESSOR | 8 |
| 9 | CP-1 | 15A/1P | 7.6 | B | 9.0 | 30A/1P | AIR COMPRESSOR | 10 |
| 11 | CP-1 | 15A/1P | 7.6 | C | 12.5 | 25A/1P | WATER HEATER | 12 |
| 13 | CP-2 | 15A/1P | 7.6 | A | 24.0 | 25A/1P | WATER HEATER | 14 |
| 15 | CP-2 | 15A/1P | 7.6 | B | 24.0 | 15A/1P | CUH-1 (ENTRY, 106, 101) | 16 |
| 17 | OIL BOILER (BLR-2) | 15A/1P | 12.0 ◇ | C | 5.0 | 15A/1P | EF-1 & EF-2 | 18 |
| 19 | A.T.C. PANEL | 20A/1P | 5.0 | A | 8.0 | 20A/1P | H.R.U.-1 | 20 |
| 21 | SERVICE RECEPTACLES | 20A/1P | 4.5 | B | 12.5 | 20A/1P | H.R.U.-1 | 22 |
| 23 | UH-1, UH-2, UH-3 (111, 112, 113) | 20A/1P | 3.6 | C | | | | 24 |
| 25 | UH-1 & UH-4 (GARAGE) | 20A/1P | 4.1 | A | | | | 26 |
| 27 | AC-1, AC-2, AC-3 (101, 102, 107) | 15A/1P | 0.8 | B | | | | 28 |
| 29 | AC-1, AC-2, AC-3 (101, 102, 107) | 15A/1P | 0.8 | C | | | | 30 |

◇ MATCH MANUFACTURER'S INSTRUCTIONS

LICENSED ARCHITECT ROBERT J. KERVIN #2125 STATE OF MAINE


ARCHITECTURAL DESIGNS BY
Robert J. Kervin, Architect
Maine Licensed Architect
896 BANGOR STREET
HODGDON, MAINE 04730
Tel. 207-532-3247
Cell 207-538-6778


PROJECT:
MAINTENANCE BUILDING
PROJECT NO BGS/PT# 2366
NMCC, 33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE

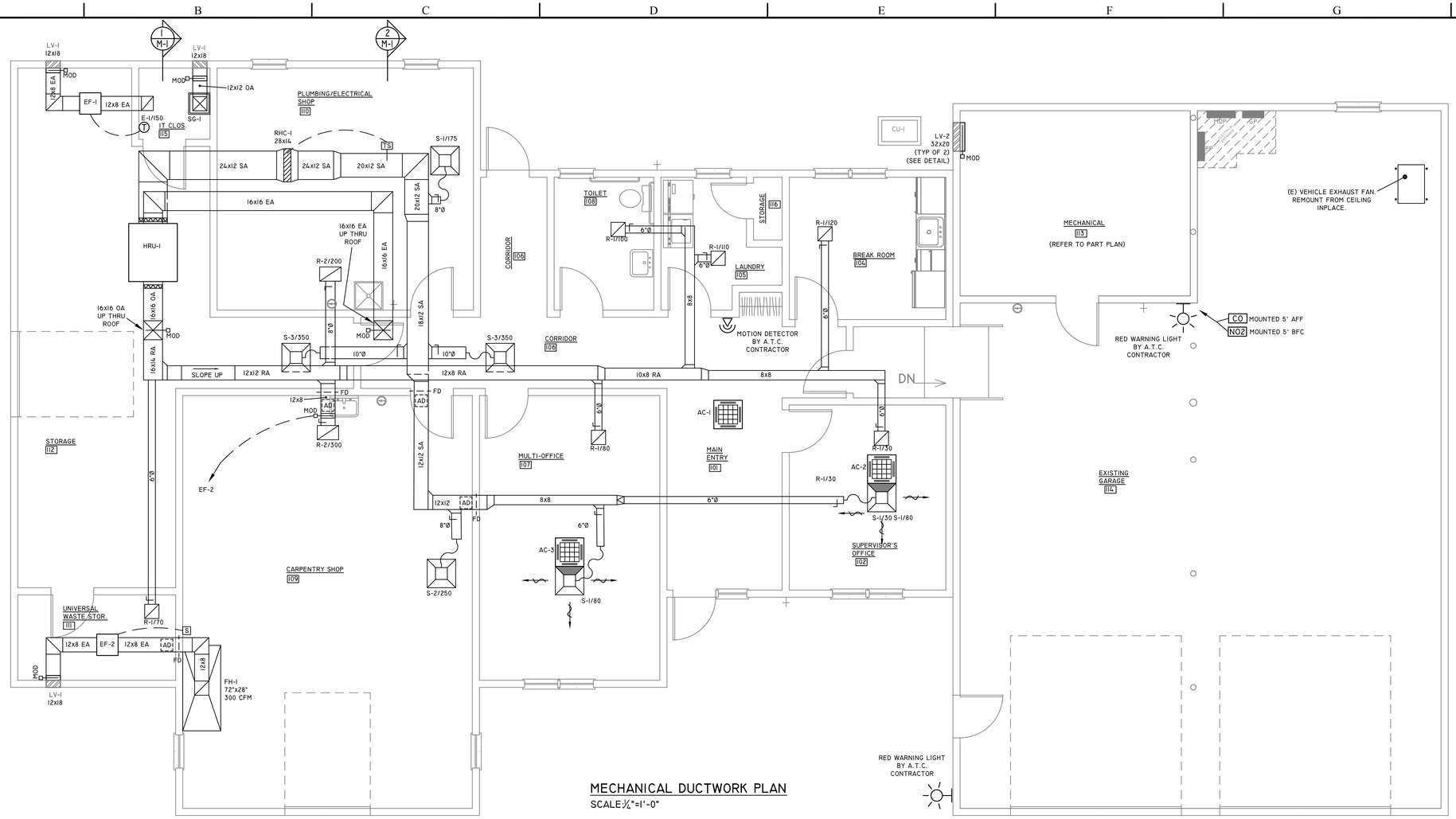
OWNER:
NMCC
33 EDGEMONT DRIVE
PRESQUE ISLE, MAINE
04769

SHEET TITLE:
ELECTRICAL POWER PLAN
SCHEDULES

DRAWN BY: RJK, RVC, SHB
PROJ. DATE: SEPTEMBER 15, 2014
SCALE: AS NOTED
JOB NO.: 9-14
REVISIONS:

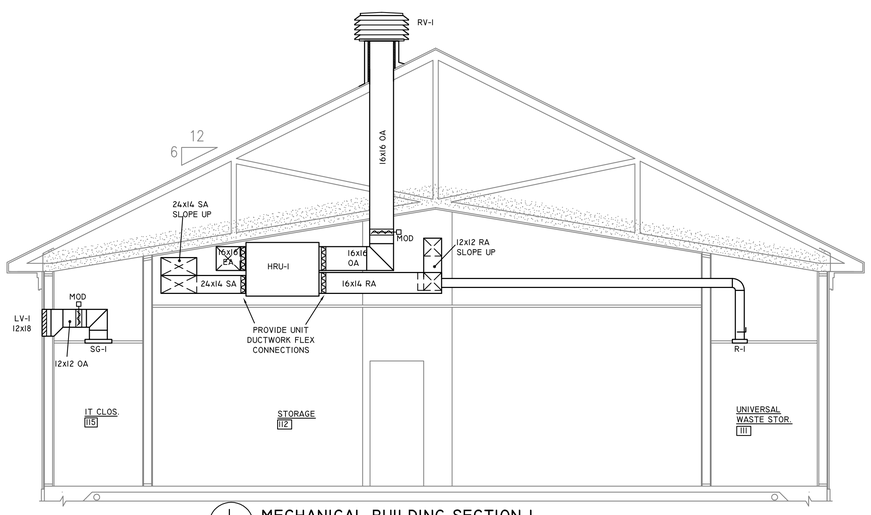
FOR CONSTRUCTION
DATE: MARCH 19, 2015

SHEET NUMBER:
E-2
OF
10



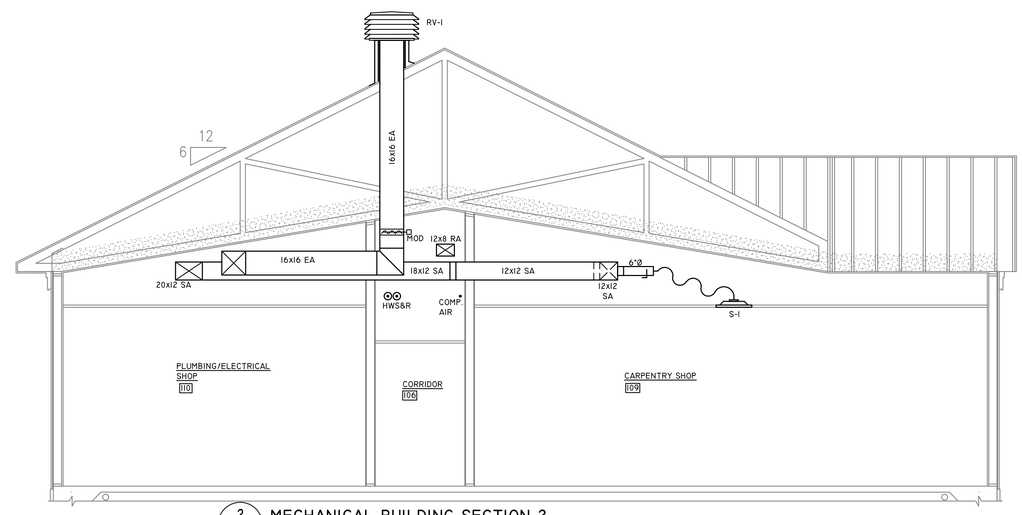

## MECHANICAL DUCTWORK PLAN

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




1 M-1 MECHANICAL BUILDING SECTION 1

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




2 M-1 MECHANICAL BUILDING SECTION 2

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

Armstrong Engineering
Mechanical Electrical Design Consultants
94 Presque Isle Street, Fort Fairfield, Maine 04742
Phone (207) 473-7117 Fax (207) 476-5621

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STATE OF MAINE JEFFREY M. ARMSTRONG REGISTERED PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE

MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

SHEET TITLE:

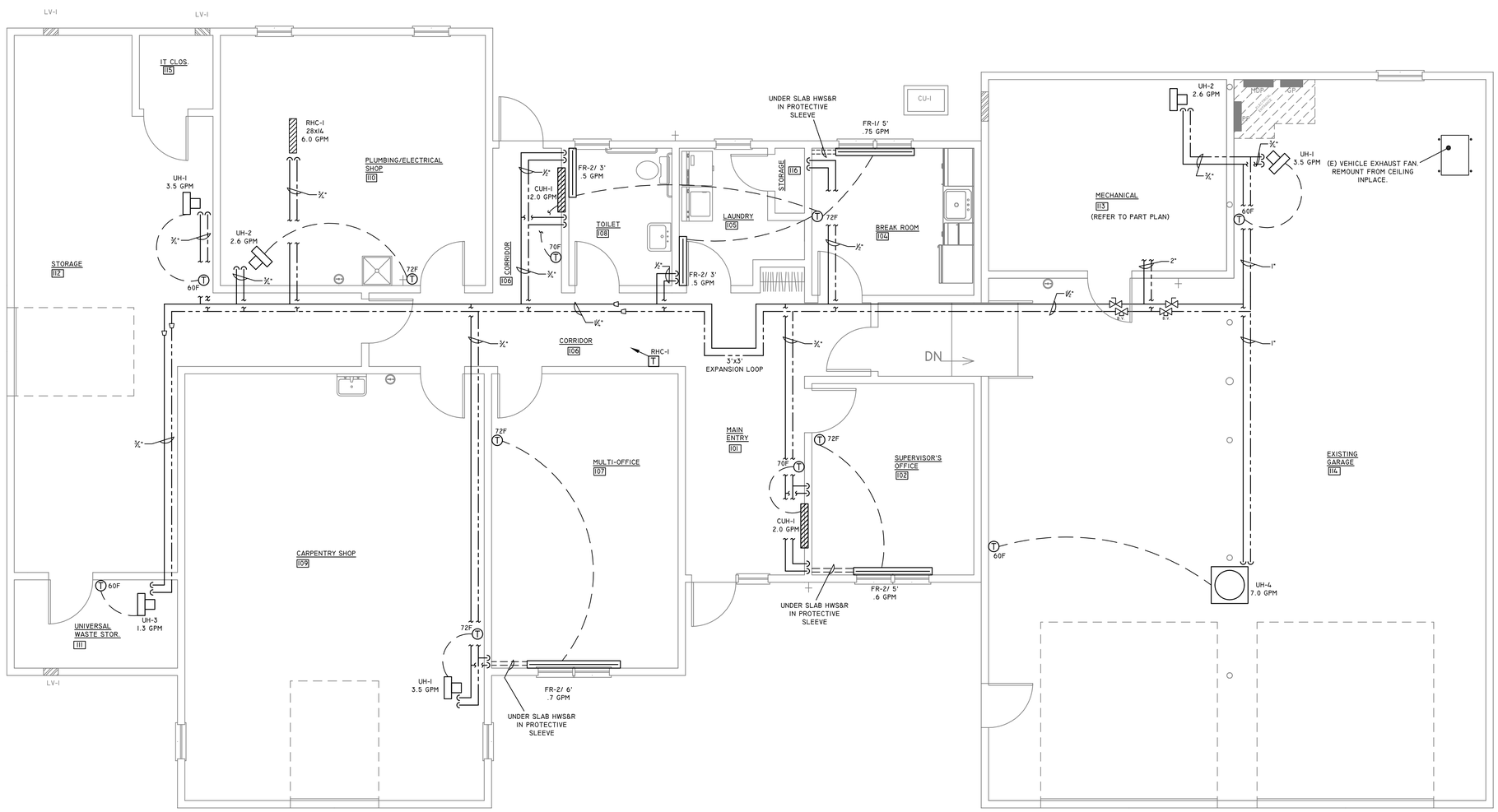
MECHANICAL DUCTWORK PLAN

MARCH 02, 2015

SCALE-AS NOTED

M-1

PROJECT#: 1501-02




## MECHANICAL PIPING PLAN

SCALE:¼"=1'-0"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94 Presque Isle Street, Fort Fairfield, Maine 04742
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JEFFREY M. ARMSTRONG
ARMS 2372
LICENSED
PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE
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PROJECT NO. BGS/PT #2366

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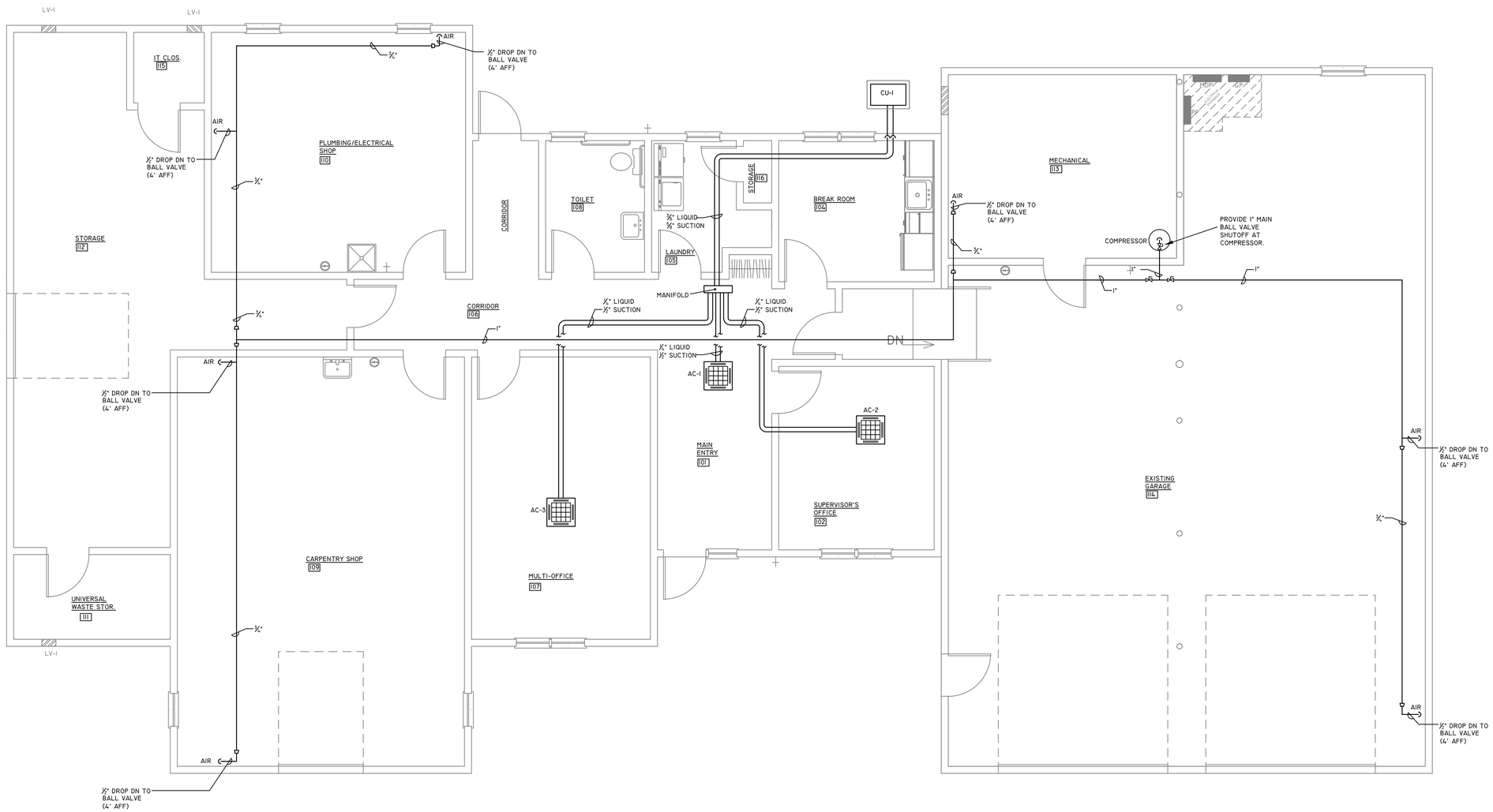
SHEET TITLE:
MECHANICAL PIPING PLAN

MARCH 02, 2015

SCALE-AS NOTED

M-2

PROJECT#: 1501-02




A/C & COMPRESSED AIR PIPING PLAN

SCALE:¼"=1'-0"

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Mechanical Electrical Design Consultants
94 Presque Isle Street, Fort Fairfield, Maine 04742
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PROFESSIONAL ENGINEER

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PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
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SHEET TITLE:

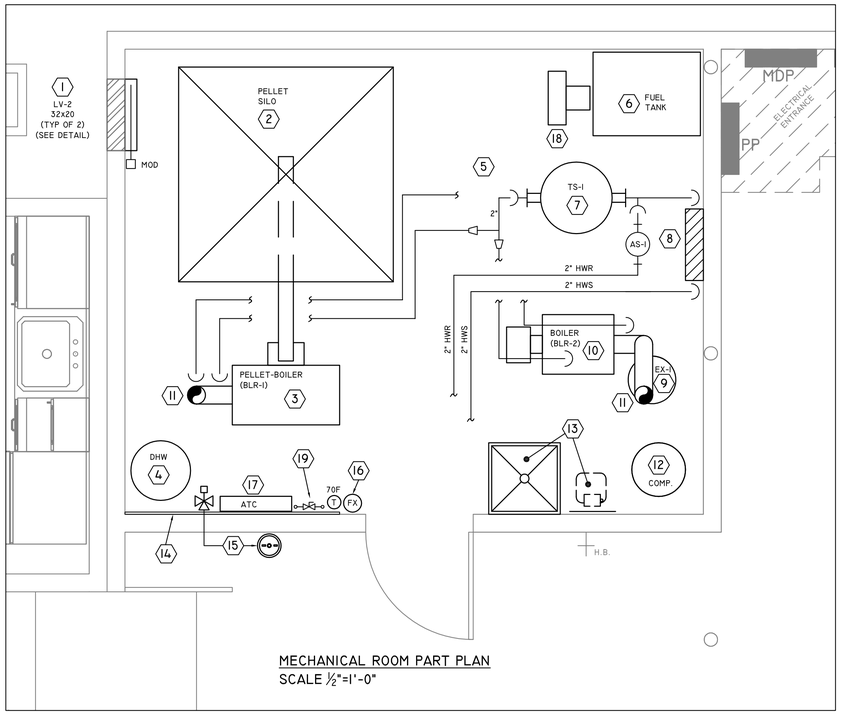
A/C & COMPRESSED AIR PIPING PLAN

MARCH 02, 2015

SCALE-AS NOTED

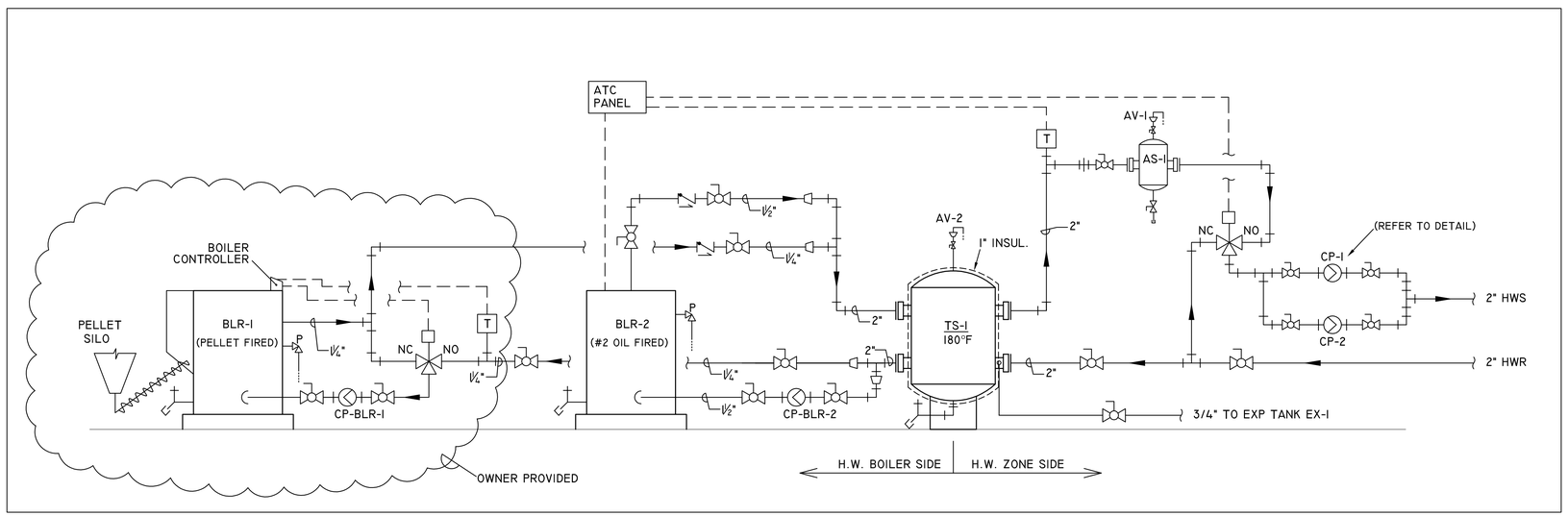
M-3

PROJECT#: 1501-02




MECHANICAL ROOM PART PLAN
SCALE ½"=1'-0"

1. LV-2 32"Lx20H (TYP OF 2) COMB. AIR MOUNTED HIGH, VENTILATION AIR MOUNTED LOW REFER TO DETAIL.
2. PELLET SILO 6'-6"Wx6'-6"Lx7'-0"H W/ AUGER. OWNER PROVIDED. CONTRACTOR RESPONSIBLE FOR REUSING/REINSTALLING SILO, AUGER, & SILO FILL PIPE.
3. KEDEL PELLET BOILER (BLR-1) OWNER PROVIDED. CONTRACTOR RESPONSIBLE FOR REUSING/REINSTALLING BOILER W/ CONTROL PACKAGE. INSTALL PER MANUFACTURES RECOMMENDATIONS. REFER TO DETAILS.
4. ELECTRIC DOMESTIC HOT WATER HEATER. OWNER PROVIDED. CONTRACTOR RESPONSIBLE FOR REUSING/REINSTALLING DHW HEATER. REFER TO DETAILS.
5. ELECTRICAL ENTRANCE DESIGNATED AREA. MECHANICAL CONTRACTOR TO COORDINATE W/ ELECTRICAL CONTRACTOR TO MAINTAIN SPACE REQUIREMENTS IN ACCORDANCE WITH NFPA CODES.
6. FUEL OIL TANK, DOUBLE WALL UNIT. PIPE OIL FILL & VENT IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. PROVIDE ⅜" FOS WITH PIPE PROTECTION TO NEW BOILER/BURNER (BRL-2).
7. 100 GAL. THERMAL H.W. STORAGE TANK (TS-1). REFER TO DETAILS FOR PIPING.
8. CP-1&2 H.W. CIRCULATOR PUMPS. REFER TO DETAILS FOR PIPING.
9. EXPANSION TANK (EX-1). REFER TO DETAIL FOR PIPING.
10. H.W. BOILER/BURNER (BLR-2), OIL FIRE.
11. 6" METALBESTOS CHIMNEY UP THRU ROOF. REFER TO DETAIL FOR INSTILLATION MATERIALS. INSTALL IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
12. AIR COMPRESSOR. OWNER PROVIDED. CONTRACTOR RESPONSIBLE TO REUSE/REINSTALL UNIT ALONG WITH 1" MAIN COMPRESSED AIR HEADER AND PIPING AS INDICATED.
13. SK-3 2'x2' MOP FLOOR SINK W/ DESIGNATED SPOT FOR MOP & BUCKET LABELED.
14. 6'x4'x¾" PLYWOOD BACKER PANEL, PAINTED GRAY, MOUNT 48" AFF.
15. WALL MOUNTED EMERGENCY EYEWASH STATION (EWS-1) WITH MIXING VALVE MOUNTED ON GRAY PAINTED ¾" PLYWOOD BACKER BOARD.
16. FIRE EXTINGUISHER. WALL BRACKET MOUNTED.
17. ATC PANEL ENCLOSURE.
18. UH-2
19. SPRINKLER RISER AND SERVICE VALVE




H.W. BOILER(S) LAYOUT DETAIL
N.T.S.

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JEFFREY M. ARMSTRONG
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PROFESSIONAL ENGINEER

NORTHERN MAINE
COMMUNITY COLLEGE
PRESQUE ISLE, MAINE

MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
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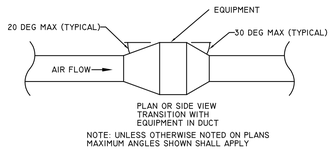
SHEET TITLE:
MECHANICAL ROOM PART PLAN & BOILER RISER DIAGRAM

MARCH 02, 2015

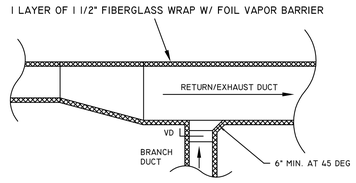
SCALE-AS NOTED

M-4

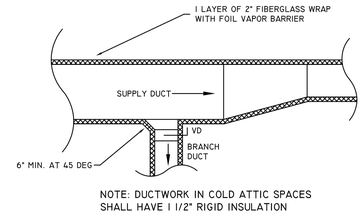
PROJECT#: 1501-02



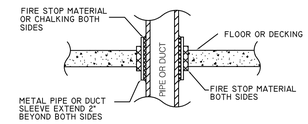

## Typical Ductwork Transitions Details
NOT TO SCALE



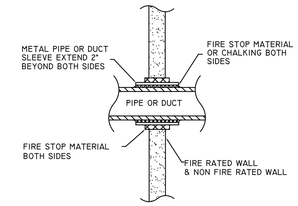

## Typical Air Handling Return/Exaust Duct Detail
NOT TO SCALE



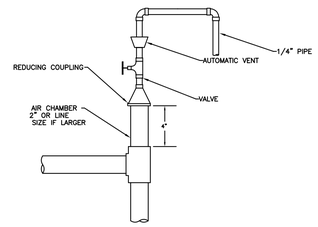

## Typical Low Pressure Supply Branch Duct Detail
NO TO SCALE




## Floor or Deck Penetration Detail
NOT TO SCALE

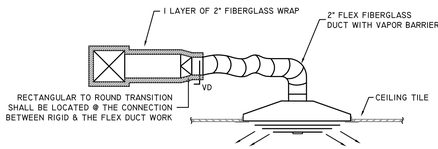



## Wall Penetration Detail
NOT TO SCALE

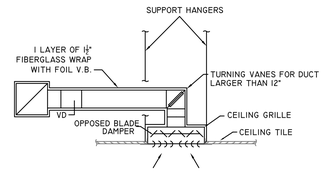



## Typical Automatic Vent Detail
SCALE: NTS

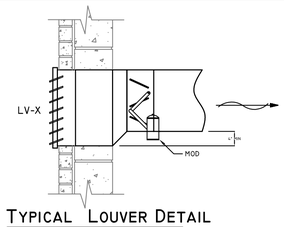
## Typical Inline Circulator Pump Piping Detail
NOT TO SCALE



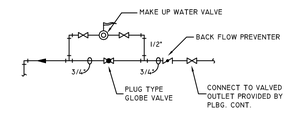

## Low Pressure Ceiling Supply Diffuser Detail
NOT TO SCALE



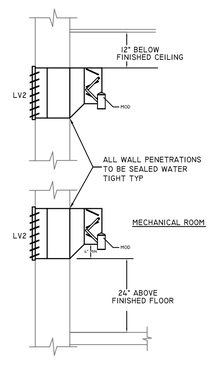

## Low Pressure Ceiling Return/Exhaust Grill Detail
NOT TO SCALE



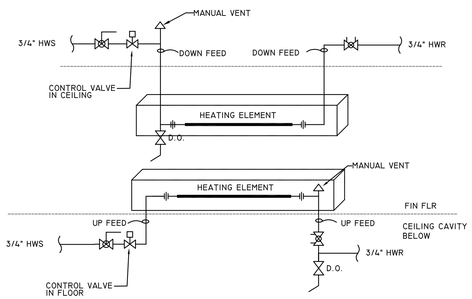

## Typical Louver Detail
NOT TO SCALE



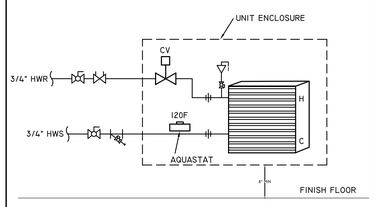

## Make Up Water Piping Schematic
NOT TO SCALE



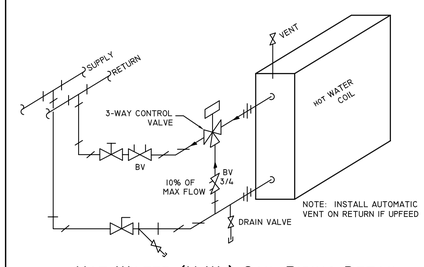

## Typical Combustion Air & Ventilation Air Detail
Not To Scale




## Typical Fin Radiation Piping Detail
NOT TO SCALE

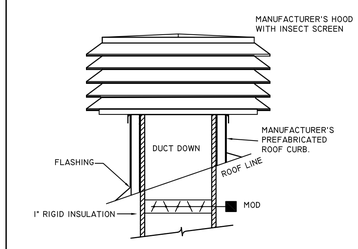



## Typical Cabinet Unit Heater (CUH) Piping Detail
Not to Scale

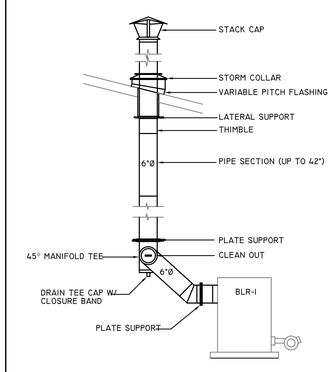



## Hot Water (H.W.) Coil Piping Detail
Not To Scale

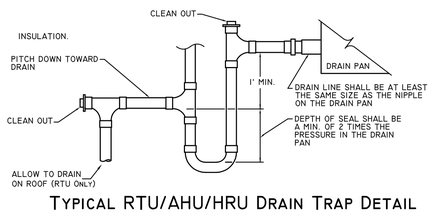
(TYP FOR BOTH H.W & GLYCOL SYSTEMS)



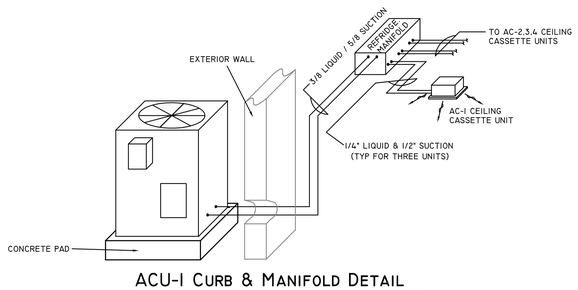

## Typical Exhaust & Outside Air Hood Detail
Not To Scale



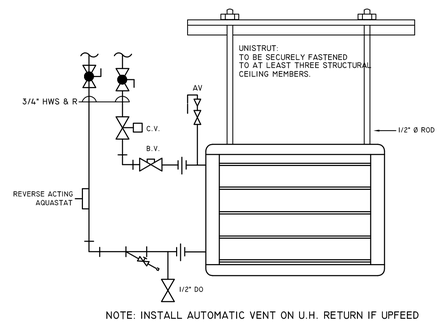

## Metal Fabricated Chimney Detail
Not To Scale




## Typical RTU/AHU/HRU Drain Trap Detail
NOT TO SCALE AHU-1 ADD HEAT TAPE(TYP FOR 2 TRAPS)

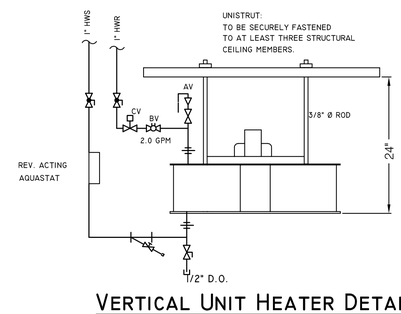



## ACU-1 Curb & Manifold Detail
Not To Scale

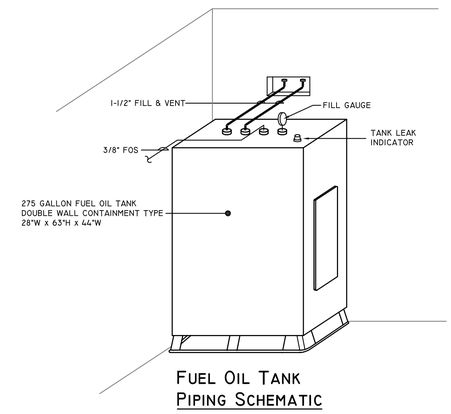



NOTE: INSTALL AUTOMATIC VENT ON U.H. RETURN IF UPFEED

## Horizontal Unit Heater Detail
NOT TO SCALE




## Vertical Unit Heater Detail
Not To Scale




## Fuel Oil Tank Piping Schematic
NO SCALE

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NORTHERN MAINE
COMMUNITY COLLEGE
PRESQUE ISLE, MAINE

MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

SHEET TITLE:
MECHANICAL DETAILS

MARCH 02, 2015

SCALE-AS NOTED

M-5

PROJECT#: 1501-02

A | B | C | D | E | F | G | H

1

## BOILER SCHEDULE

| UNIT NO. | MANUFACTURER | MODEL | LOCATION | GROSS INPUT MBH | NET I-B-R/MBH | MAX OPERATING PRESSURE | DESIGN PRESSURE | COMBUSTION EFFICIENCY (%) | POWER | AMPS | FLUE SIZE | FUEL TYPE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BLR-1 | KEDEL | 54 | MECH RM | 54.0 | 48.0 | 30 PSI | 15 PSI | NA | 230 | 15 | 6.0 | PELLETS | OWNER PROVIDED |
| BLR-2 | PENSOTTI | BLR-185 | MECH RM | 257.0 | 22.0 | 30 PSI | 15 PSI | 84 | 120 | 15 | 6.0 | #2 OIL | REILLO #40 BURNER |

## PUMP SCHEDULE

| UNIT NO. | LOCATION | SYSTEM SERVED | GPM | TDH (FT) | DESIGN PRESSURE | TEMP °F MIN | TEMP °F MAX | RPM | H.P. | TYPE | MODEL TACO | VOLTS | PHASE | DRIVE | REMARKS | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP-1 | MECH RM. | HW | 37.0 | 28' | - | 120 | 200 | 3450 | .68 | INLINE | VR-15 | 230 | 1 | VFD | CONSTANT PRESSURE | SELF SENSING PRESSURE |
| CP-2 | MECH RM. | HW | 37.0 | 28' | - | 120 | 200 | 3450 | .68 | INLINE | VR-15 | 230 | 1 | VFD | CONSTANT PRESSURE | SELF SENSING PRESSURE |

GENERAL NOTE:

## HEAT RECOVERY UNIT (HRU-1) SCHEDULE

| TAG NO. | MAKE/MODEL | AREA SERVED | SUPPLY FAN CFM | SUPPLY FAN ESP | SUPPLY FAN RPM | SUPPLY FAN HP | EXHAUST FAN CFM | EXHAUST FAN ESP | EXHAUST FAN RPM | EXHAUST FAN HP | ELECTRIC | HOT WATER HEATING COIL GPM | HOT WATER HEATING COIL EWT °F | HOT WATER HEATING COIL LWT °F | HOT WATER HEATING COIL MBH | THERMAL TRANSFER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HRU1 | RENEWAIRE HE2XINH | ADDITION | 1500 | - | - | 1.5 | 1500 | 1.0 | - | 1.5 | 230V/1PH/60HZ/8.2FLA | - | - | - | - | 65 | MERV 8 FILTER / BELT DRIVEN |

2

## EXHAUST FAN SCHEDULE

| UNIT | AREA SERVICED | DESCRIPTION | L.COOK MODEL | CFM | ESP | SONES | MOTOR | VOLTS/Ø | RPM | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | IT ROOM | INLINE | GN-182 | 218 | .25 | - | 189W | 120 | - | 1,2 |
| EF-2 | PAINT HOOD | INLINE | GN-720 | 669 | .25 | - | 320W | 120 | - | 1,2 |

NOTES:
1. VIBRATION ISOLATORS
2. MOTOR SPEED CONTROL
3. BACK DRAFT DAMPER
4. AUTO BELT TENSIONER
5. HINGE BASE FRAME
6. VFD DRIVE

## FUME HOOD SCHEDULE

| TAG NO. | MANUFACTURER | MODEL | AREA SERVED | LENGTH | WIDTH | HEIGHT | SKIRT HEIGHT | OUTLET SIZE | ELECTRICAL VOLTS | ELECTRICAL PHASE | ELECTRICAL HZ | ELECTRICAL F.L.A. | REMARKS | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FH-1 | KEES | KA (STYLE A) | CARPENTRY SHOP | 72" | 28" | 24" | 4" | 10X10 | 120 | 1 | 60 | | MOUNT 7'-0" AFF, FILTERS MERV-8 | 1,2,3,4,5 |

NOTES: 1) 304 STAINLESS 2) INTERNAL BAFFELS 3) FILTER RACKS 4) MOUNTED SWITCHES 5) LIGHTS.

3

## VARIABLE AIR CONDITIONING EVAPORATOR UNIT SCHEDULE

| TAG NO. | AREA SERVED | OA | TOTAL CFM | INDOOR EVAPORATOR UNIT MODEL NO. | COOLING | HEATING | SMBH | ELEC. CHARACTERISTICS POWER | MCA | MFA | FLA | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC-1 | MAIN ENTRY | 0 | 350H | P08NCMU-E | 7,585 | 4,658 | - | 230V/1PH | 15 | - | 50W | 34 LBS | DROP CEILING MOUNT T-BAR W/ GRILLE & TSTAT |
| AC-2 | SUPERVISORS OFFICE | 0 | 350H | P08NCMU-E | 7,585 | 4,658 | - | 230V/1PH | 15 | - | 50W | 34 LBS | DROP CEILING MOUNT T-BAR W/ GRILLE & TSTAT |
| AC-3 | MULTI OFFICE | 0 | 350H | P08NCMU-E | 7,585 | 4,658 | - | 230V/1PH | 15 | - | 50W | 34 LBS | DROP CEILING MOUNT T-BAR W/ GRILLE & TSTAT |

## AIR CONDENSING UNIT SCHEDULE

| TAG NO. | AREA SERVED | MODEL | CAPACITY TONS | EFFICIENCY SEER | EFFICIENCY COP | CAPACITY COOLING | CAPACITY HEATING | REFRIGERANT | ELECTRICAL VOLTS | ELECTRICAL PHASE | ELECTRICAL FLA | UNIT WEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACU-1 | ADDITION | MITSUBISHI | 2.5 | 14.5 | 3.26 | 30341 BTU/HR | 18632 BTU/HR | R410A | 230V | 1PH | 15.7 | 287 LBS | CMY-464-6-E MANIFOLD |

4

## AIR SEPARATOR SCHEDULE

| TAG NO. | SERVICE | MODEL TACO | GPM MAX | SIZE INCHES | DIA INCHES | HEIGHT INCHES | WEIGHT (LBS) | REMARKS |
|---|---|---|---|---|---|---|---|---|
| AS-1 | HW SYSTEM | 4902-A | 51 | 2.0 | 10 | 16 | 45 | 706 AUTO VENT |

## EXPANSION TANK SCHEDULE

| TAG NO. | SERVICE | MODEL TACO | TANK VOLUME | TANK DIA. | TANK HEIGHT | ACCEPTANCE VOLUME | REMARKS |
|---|---|---|---|---|---|---|---|
| ET-1 | HW SYSTEM | CBX-84-125 | 22 | 16 | 38 | 12.0 | - |

## DIFFUSER & REGISTER SCHEDULE

| TYPE | MANUFACTURER | SIZE WxH | INLET WxH | MOUNTING | REMARKS | NOTES |
|---|---|---|---|---|---|---|
| S-1 | PRICE OR EQUAL | 24x24 | 6 | T BAR | - | - |
| S-2 | PRICE OR EQUAL | 24x24 | 8 | T BAR | - | - |
| S-3 | PRICE OR EQUAL | 24x24 | 10 | T BAR | - | - |
| SG-1 | PRICE OR EQUAL | 18x18 | - | T BAR | - | OBD |
| R-1 | PRICE OR EQUAL | 12x12 | 6 | SURFACE | - | OBD |
| R-2 | PRICE OR EQUAL | 18x12 | 8 | SURFACE | - | OBD |
| E-1 | PRICE OR EQUAL | 12x10 | 12x10 | SURFACE | - | OBD |

## TEMPERATURE STORAGE TANK SCHEDULE

| TAG NO. | SERVICE | MODEL TACO | STORAGE CAPACITY | FLANGE SIZE | DIA | HEIGHT | WEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|
| TS-1 | HW SYSTEM | MPT0100F02-125N | 100 | 2.5 | 24 | 61 | 320 | 4-2.5"FLG., 2-2.0 FPT CONNECTIONS, 4-3/4" WELL PORTS, 1" SILICON INSULATION BLANKET |

5

## UNIT HEATER SCHEDULE

| TAG NO. | MANUFACTURER | MODEL | AREA SERVED | CAPACITY SCFM | CAPACITY MBH | HOT WATER DATA GPM | HOT WATER DATA EWT °F | HOT WATER DATA LWT °F | MOTOR DATA HP | MOTOR DATA VOLTS | MOTOR DATA PH | MOTOR DATA HZ. | MOTOR DATA F.L.A. | MOTOR DATA RPM | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UH-1 | STERLING | HS-48 | STORAGE AND GARAGE | 750 | 34.8 | 3.5 | 180 | 160 | - | 120 | 1 | 60 | 1.4 | 1000 | 1,3 |
| UH-2 | STERLING | HS-36 | PLUMB/ELECT. SHOP | 450 | 26.1 | 2.6 | 180 | 160 | - | 120 | 1 | 60 | 1.2 | 1550 | 1,3 |
| UH-3 | STERLING | HS-18 | UNIVERSAL WASTE | 400 | 13.0 | 1.3 | 180 | 160 | - | 120 | 1 | 60 | .8 | 1550 | 1,3 |
| UH-4 | STERLING | VS-104 | GARAGE | 1528 | 68.0 | 7.0 | 180 | 160 | - | 120 | 1 | 60 | 2.7 | 850 | 1,3 |

GENERAL NOTE: 1) CEILING SUSPENDED W/ VIBRATION ISOLATORS, 2) WALL MOUNTED, 3) UNIT T-STAT BY A.T.C.

## CABINET UNIT HEATER SCHEDULE

| TAG NO. | MANUFACTURER | MODEL | AREA SERVED | CAPACITY SCFM | CAPACITY MBH | HOT WATER DATA GPM | HOT WATER DATA EWT °F | HOT WATER DATA LWT °F | MOTOR DATA HP | MOTOR DATA VOLTS | MOTOR DATA PH | MOTOR DATA HZ. | MOTOR DATA F.L.A. | MOTOR DATA RPM | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CUH-1 | STERLING | 02 | CORRIDOR | 230 | 25.8 | 2.5 | 180 | 160 | .067 | 120 | 1 | 60 | - | - | MERV 8 FILTER |

## FIN RADIATION SCHEDULE

| TAG NO. | MANUFACTURER | MODEL | AREA SERVED | ELEMENT TUBE SIZE | ELEMENT ROWS | ELEMENT FINS PER FT | ELEMENT SIZE | CAPACITY BTU/LF | HOT WATER DATA GPM | HOT WATER DATA EWT °F | HOT WATER DATA LWT °F | ENCLOSURE MOUNTING HEIGHT | ENCLOSURE PANEL HEIGHT | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FR-1 | STERLING | LCS | BREAK | 2.75x3.75 | 1 | 50 | 10 | 810 | PER PLAN | 180 | 160 | 15" | 10.25 | - |
| FR-2 | STERLING | LCS | OFFICES | 2.75x2.5 | 2 | 55 | 10 | 1105 | PER PLAN | 180 | 160 | 15" | 10.25 | - |

GENERAL NOTE: CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS

## LOUVER SCHEDULE

| TAG | MANUFACTURER | SIZE WxH | TYPE | REMARKS | NOTES |
|---|---|---|---|---|---|
| LV-1 | RUSKIN | 12x18 | FIXED BLADE | 37° BLADE ANGLE-1/2" MESH | ANODIZED FINISH |
| LV-2 | RUSKIN | 32x20 | FIXED BLADE | 37° BLADE ANGLE-1/2" MESH | ANODIZED FINISH |
| RV-1 | GREENHECK | 18x18 | FIXED BLADE | MULTI-TIERED | ANODIZED FINISH |

## HEATING COIL SCHEDULE

| TAG NO. | SERVICE | MODEL | SIZE (WxH) | CFM | ROWS | FPI | EAT (°F) | LAT (°F) | MBH | GPM | WDP | EWT (°F) | LWT (°F) | ADP IN.WC | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RHC-1 | HRU-1 | STERLING | 32x16 | 1500 | 1 | - | 50 F | 86 F | 60 | 6.0 | 4 FT | 180° | 170° | .10 | FROST PLUG |

## SYMBOLS & ABBREVIATIONS

UP DN SUPPLY DUCT (UP & DOWN)
UP DN RETURN OR EXHAUST DUCT (UP & DOWN)
CEILING DIFFUSERS
SUPPLY TOP REGISTER OR GRILL (WALL TYPE)
RETURN OR EXHAUST CEILING REGISTER OR GRILL
EXHAUST BOTTOM REGISTER OR GRILL (WALL TYPE)
EXHAUST OR RETURN TOP OF REGISTER GRILL (WALL TYPE)
VANE TURN ELBOW & AIR SPLIT TYPE DUCT TAKE OFF
CONNECT NEW DUCT TO EXISTING DUCT
R INCLINED RISE. IN DIRECTION OF AIR FLOW
D INCLINED DROP IN DIRECTION OF AIR FLOW
FC FLEXIBLE CONNECTION

10x8 NEW DUCT - WIDTH X DEPTH
EXISTING DUCT TO REMAIN
EXISTING DUCT TO BE REMOVED
LOUVER
ACOUSTICAL DUCT LINING
VD MANUAL VOLUME DAMPER
FD FIRE DAMPER
SD SMOKE DAMPER
VANED ELBOW (PROVIDE ALL SQUARE RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
VAINED ELBOW (SHORT RADIUS)
STANDARD RADIUS ELBOW

| ABBREVIATION | SYMBOL | NOMENCLATURE |
|---|---|---|
| | T | THERMOSTAT (DIGITAL TYPE) |
| | T | THERMOSTAT W/ GUARD (DIGITAL TYPE) |
| | T1 OR T2 | THERMOSTAT SENSOR |
| | | Y-STRAINER W/DRAIN VALVE & CAP |
| | | GATE VALVE |
| | | PRESSURE GAUGE W/SHUT COCK |
| | | TEMPERATURE GAUGE |
| | | BALL VALVE |
| BV | | BALANCING VALVE |
| CV | | 3-WAY CONTROL VALVE |
| CV | | 2-WAY CONTROL VALVE |
| | | DRAIN VALVE |
| | | AIR SCOOP W/ AIR VENT |
| BFP | | BACK FLOW PREVENTER |
| | | PRESSURE REGULATOR |
| | | AUTO AIR VENT W/ SHUT COCK |
| | | CHECK VALVE |
| | | WAFER BUTTERFLY VALVE |
| | | SUCTION DIFFUSER |
| | | PIPE FLANGE CONNECTION |
| MPV | | MULTI-PURPOSE VALVE |
| | | FLOAT & THERMOSTATIC STEAM TRAP |
| FS | FS | FLOW SWITCH |
| | P | PRESSURE SWITCH |
| BMS | BMS | BUILDING MANAGEMENT SYSTEM |

| ABBREVIATION | NOMENCLATURE |
|---|---|
| FD | FIRE DAMPER |
| MOD | MOTOR OPERATED DAMPER |
| EF | EXHAUST FAN |
| EA | EXHAUST AIR |
| EG | EXHAUST GRILL |
| ACU | AIR CONDENSING UNIT |
| AHU | AIR HANDLING UNIT |
| HRU | HEAT RECOVERY UNIT |
| RTU | ROOF TOP UNIT |
| CUH | CABINET UNIT HEATER |
| (E) | EXISTING |
| (N) | NEW |
| VAV | VARIABLE AIR VOLUME BOX |
| SG | SUPPLY GRILL |
| SA | SUPPLY AIR |
| RA | RETURN AIR |
| RG | RETURN GRILL |
| RF | RETURN FAN |
| FD | FLOOR DRAIN |
| SW | SANITARY WASTE |
| V | VENT |
| LAV | LAVATORY |
| UR | URINAL |
| WC | WATER CLOSET |
| EWC | ELECTRIC WATER COOLER |
| UCWH | UNDER COUNTER WATER HEATER |
| SK | SINK |
| HB | HOSE BIB |
| CO | CLEAN OUT |
| DHW | DOMESTIC HOT WATER |
| DCW | DOMESTIC COLD WATER |
| HUM | HUMIDIFIER |
| WDB | WATER DRAIN BASIN |
| DCW | DOMESTIC COLD WATER |

| ABBREVIATION | NOMENCLATURE |
|---|---|
| DHWR | DOMESTIC HOT WATER RETURN |
| HWS | HOT WATER SUPPLY |
| HWR | HOT WATER RETURN |
| NO | NORMALLY OPEN |
| NC | NORMALLY CLOSED |
| RT | RETENTION TANK |
| CWG | CHILLED WATER GENERATOR |
| CP | CIRCULATOR PUMP |
| ET | EXPANSION TANK |
| BLR | BOILER |
| A.F.F. | ABOVE FINISHED FLOOR |
| USWJ | UNDER STEEL WEB JOIST |
| FOR | FUEL OIL RETURN |
| FOS | FUEL OIL SUPPLY |
| TYP | TYPICAL |
| GPM | GALLONS PER MINUTE |
| CFM | CUBIC FEET PER MINUTE |
| CWS | CHILLED WATER SUPPLY |
| CWR | CHILLED WATER RETURN |
| VD | VOLUME DAMPER |
| UH | UNIT HEATER |
| COND | CONDENSATE |
| INV | INVERT |
| AD | ACCESS DOOR |
| CW-CP | CHILLED WATER CIRCULATING PUMP |
| EEP | EMERGENCY POWER PANEL |
| MDP | MAIN DISTRIBUTION PANEL |
| VFD | VARIABLE FREQUENCY DRIVE |
| ATC | AUTOMATIC TEMPERATURE CONTROL |
| A.L. | ACOUSTICAL DUCT LINER |
| O.W.S.J. | OPEN WEB STEEL JOIST |
| AC | AIR CONDITIONING EVAPORATOR |
| CU | AIR CONDENSING UNIT |


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STATE OF MAINE JEFFREY M. ARMSTRONG No. 5372 LICENSED PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE
MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

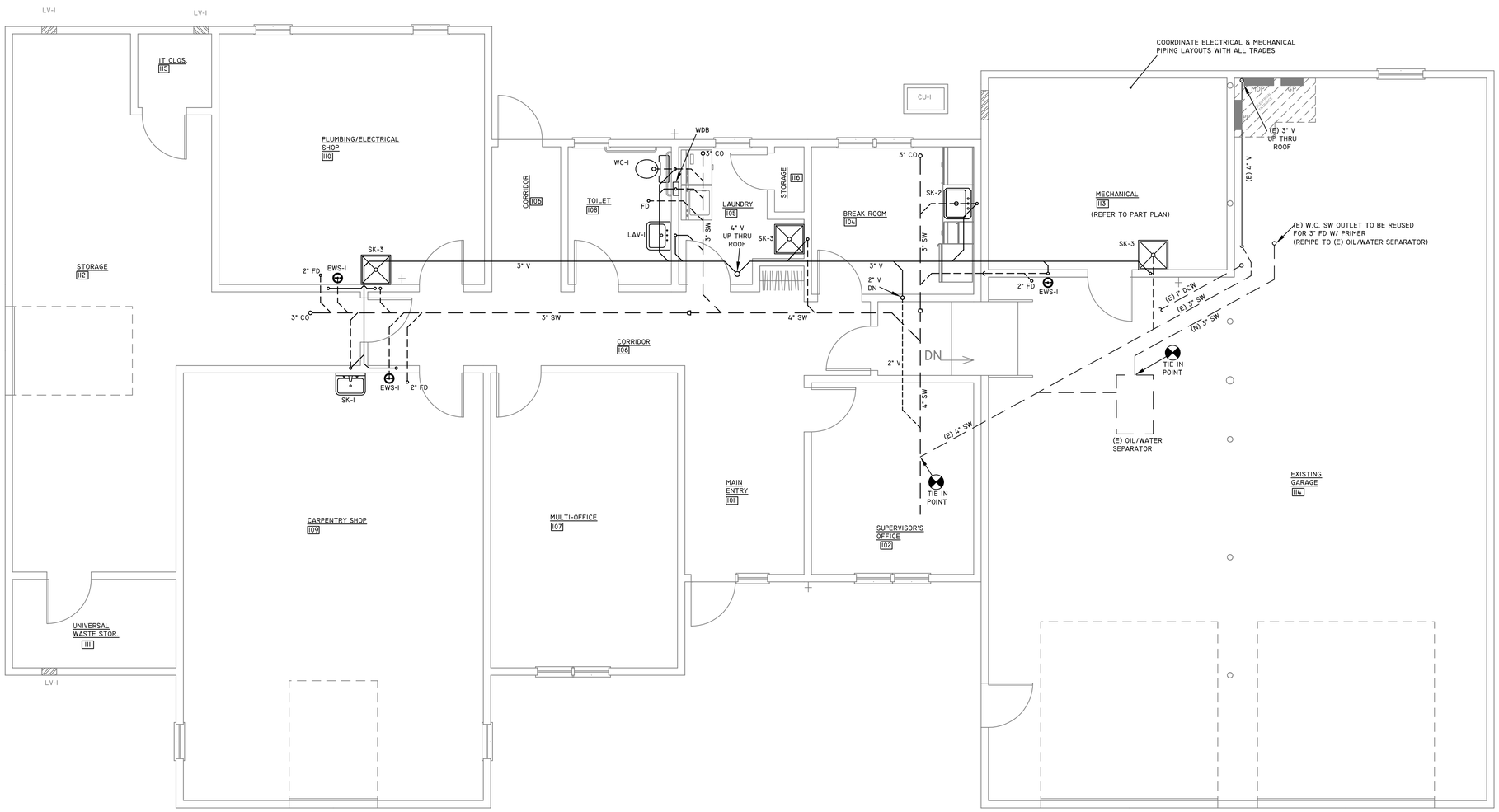
SHEET TITLE:
MECHANICAL SCHEDULES & LEGEND

MARCH 02, 2015

SCALE-AS NOTED

M-6

PROJECT#: 1501-02




## SANITARY WASTE & VENT PLUMBING PLAN

SCALE:¼"=1'-0"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Mechanical Electrical Design Consultants
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STATE OF MAINE JEFFREY M. ARMSTRONG No. 5372 LICENSED PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE

MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

SHEET TITLE:

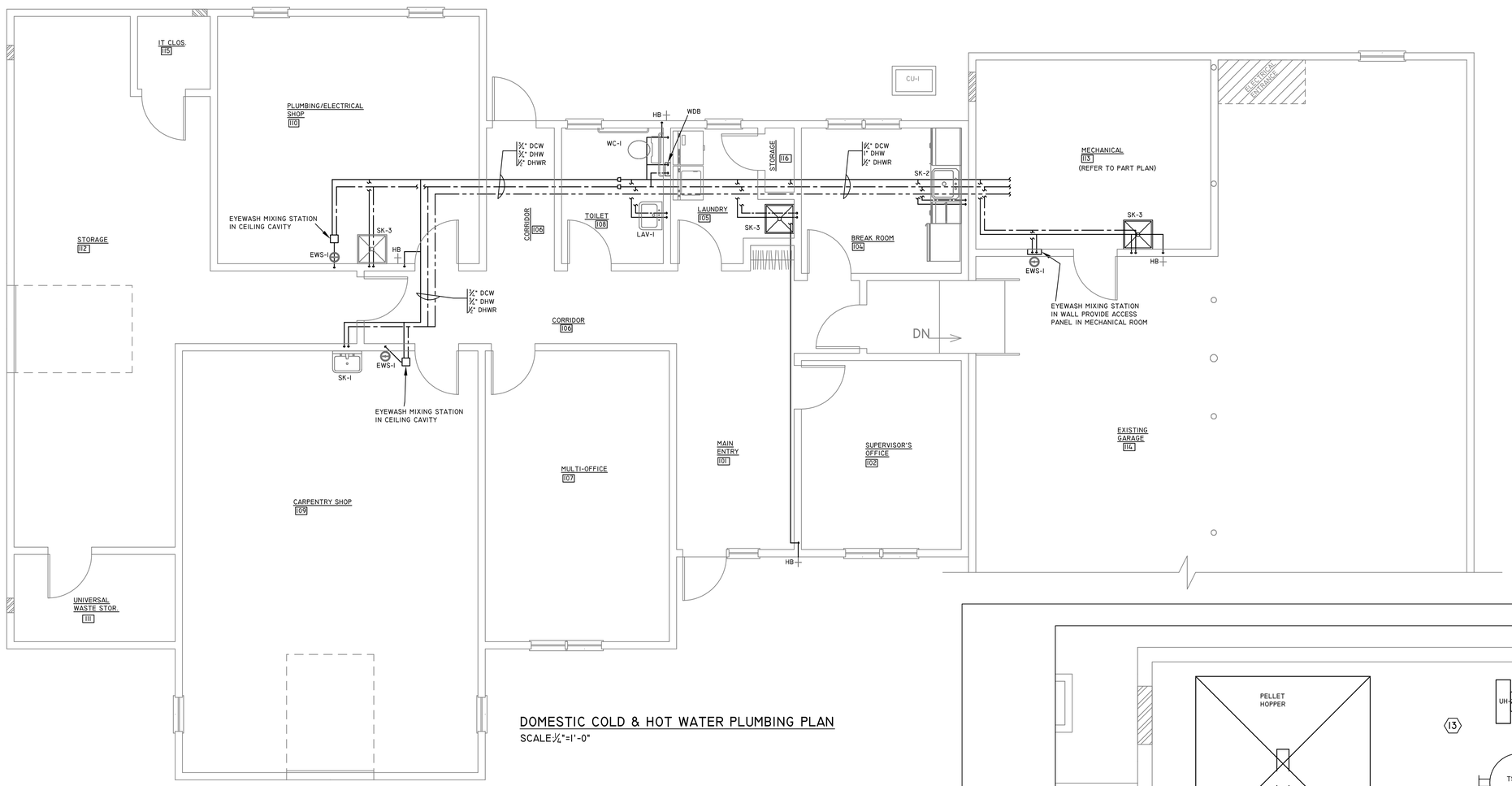
SANITARY WASTE PLUMBING PLAN

MARCH 02, 2015

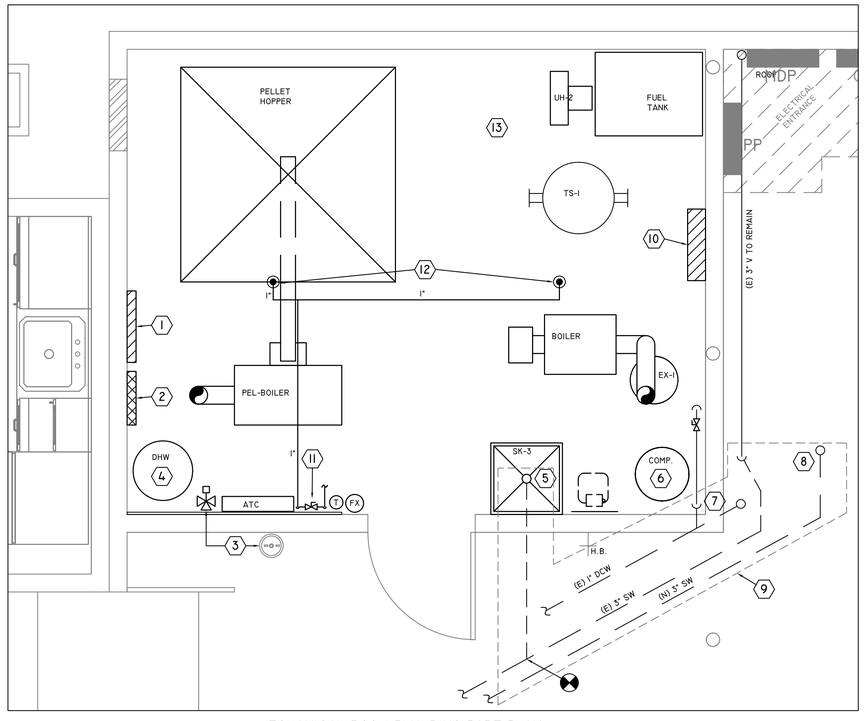
SCALE-AS NOTED

P-1

PROJECT#: 1501-02




DOMESTIC COLD & HOT WATER PLUMBING PLAN
SCALE:¼"=1'-0"




MECHANICAL ROOM PLUMBING PART PLAN
SCALE ½"=1'-0"

MECHANICAL PLAN PART PLAN NOTES

1. BOILER MAKE UP STATION AREA.
2. DHW MIXED WATER STATION AREA-120°F
3. EWS-1 BASIN & MIXING VALVE STATION 80°F
4. DHW 500 GAL STORAGE TANK - ELECTRIC (OWNER PROVIDED)
5. SK-3 2'x2' MOP FLOOR SINK W/ DESIGNATED SPOT FOR MOP & BUCKET LABELED.
6. AIR COMPRESSOR. (OWNER PROVIDED)
7. EXISTING 1" DCW ENTRANCE TO BE RE-LOCATED INTO MECHANICAL ROOM WITH 1¼ BACK FLOW PREVENTER, BALL VALVE(S), SHUTOFF(S) AND 1" SPRINKLER RISER.
8. EXISTING W.C. FLOOR OUTLET TO BE REUSED FOR 3" FLOOR DRAIN WITH PRIMER. REPIPE 3" SW TO EXISTING OIL WATER SEPARATOR.
9. CONCRETE FLOOR SLAB TO BE CUT UP BY G.C. TO ACCOMMODATE NEW UNDERGROUND DCW & SW SERVICES.
10. H.W. CIRCULATOR PUMP(S) CP-1&2 AREA.
11. SPRINKLER RISER AND SERVICE VALVE. (SEE DETAIL)
12. SPRINKLER HEAD.
    TYCO
    MODEL "TY-FRB"
    200° / 3
    1/2"-K=5.6
    BRASS UPRIGHT
    SIN # TY3131
    (QUICK RESPONSE)
13. ELECTRICAL ENTRANCE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STATE OF MAINE
JEFFREY M. ARMSTRONG
LICENSED
PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE
MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

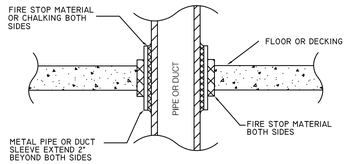
SHEET TITLE:
DOMESTIC COLD & HOT WATER PLUMBING PLAN & MECHANICAL ROOM PLUMBING PART PLAN

MARCH 02, 2015

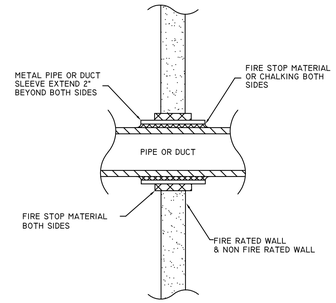
SCALE-AS NOTED

P-2

PROJECT#: 1501-02



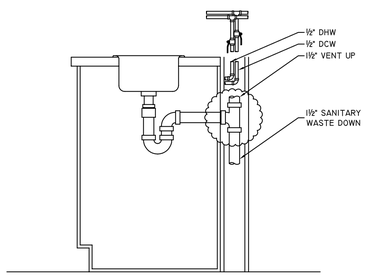

## Floor or Deck Penetration Detail
NOT TO SCALE



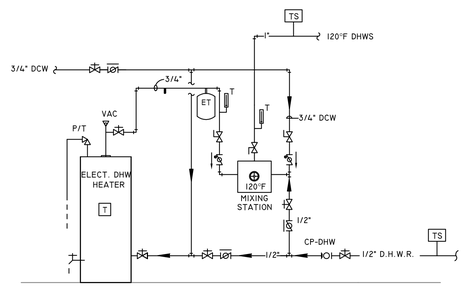

## Wall Penetration Detail
NOT TO SCALE

## Plumbing Fixture Connection Schedule

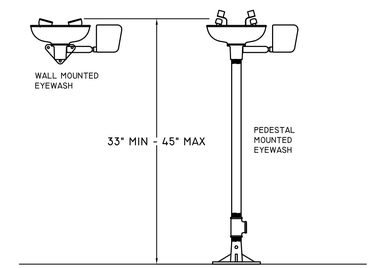
| FIXTURE DESCRIPTION | FIXTURE NOTE | DCW | DHW | SW | VENT | NOTE |
|---|---|---|---|---|---|---|
| SINK-1 | SK-1 | ½" | ½" | 1½" | 1½" | |
| SINK-2 | SK-2 | ½" | ½" | 1½" | 1½" | ACCESSORIES |
| SINK-3 | SK-3 | ½" | ½" | 2" | 1½" | ACCESSORIES |
| LAVATORY-1 | LAV-1 | ½" | ½" | 1½" | 1½" | WALL HUNG CARRIER |
| WATER CLOSET-1 | WC-1 | 1 1/4"" | | 3" | 2" | AUTO FLUSH |
| FLOOR DRAIN | FD | ⅜" | | 2" | 1½" | PRIMER ABOVE CEILING PROVIDE CEILING ACCESS IF NOT T-BAR |
| WATER SUPPLY DRAIN BOX | WDB | ½" | ½" | 1½" | 1½" | |
| EYE WASH STATION | EWS-1 | ½" | ½" | 1½" | 1½" | 80F MIX VALVE FAIL TO DCW ACCESS DOOR |
| DHW MIX STATION | DHW MIX STATION | ¾" | ¾" | | | MIXED DHW TEMP. SENSOR-BMS |
| HOSE BIB | HB | ½" | | | | RECESS ENCLOSURE, LOCKING COVER, FROST PROTECTION |
| HEAT RECOVERY UNIT-1 | HRU-1 | | | (2) 1" | OPEN VENT | CONDENSATE BOTTOM CONNECTIONS |



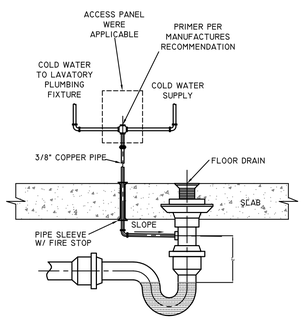

## Typical SKI & LAVI Detail
Not To Scale



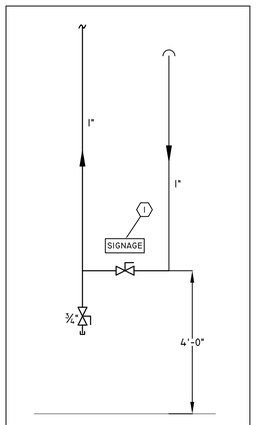

## Domestic Hot Water Piping Schematic
Not To Scale




## Emergency Eyewash Detail
SCALE: N.T.S.

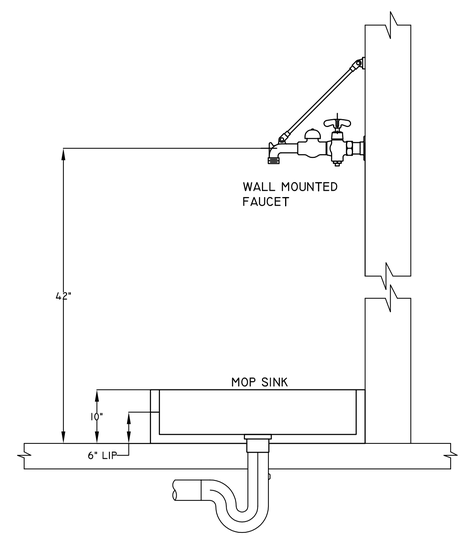



## Floor Drain Primer Detail
NOT TO SCALE




## Sprinkler Riser Diagram
SCALE:1/2"=1'-0"

1 1" SERVICE VALVE WITH SIGNAGE "DOMESTIC SPRINKLER VALVE NORMAL OPEN"




## Mop Sink Detail
SCALE: N.T.S.

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- ☐ FOR PROJECT CONSTRUCTION
- ☐ RECORD DRAWINGS

STATE OF MAINE JEFFREY M. ARMSTRONG No. 5372 LICENSED PROFESSIONAL ENGINEER

NORTHERN MAINE COMMUNITY COLLEGE
PRESQUE ISLE, MAINE
MAINTENANCE BUILDING
PROJECT NO. BGS/PT #2366

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

SHEET TITLE:
PLUMBING DETAILS AND FIXTURE SCHEDULE

MARCH 02, 2015

SCALE-AS NOTED

P-3

PROJECT#: 1501-02