CITY OF DEARBORN

FORD FIELD COMFORT STATION

CHERRY HILL

DEARBORN, MICHIGAN 48124

LOCATION PLAN
NO SCALE

NORTH

GENERAL

BIDS & PERMITS

DATE : 02-27-2017

CLIENT:

CITY OF DEARBORN
RECREATION DEPARTMENT
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DEARBORN, MICHIGAN
48126

ARCHITECT/ENGINEERS/STRUCTURAL:

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FORD FIELD COMFORT STATION
ISSUED FOR:BIDS & PERMITS
DATE:02-27-2017

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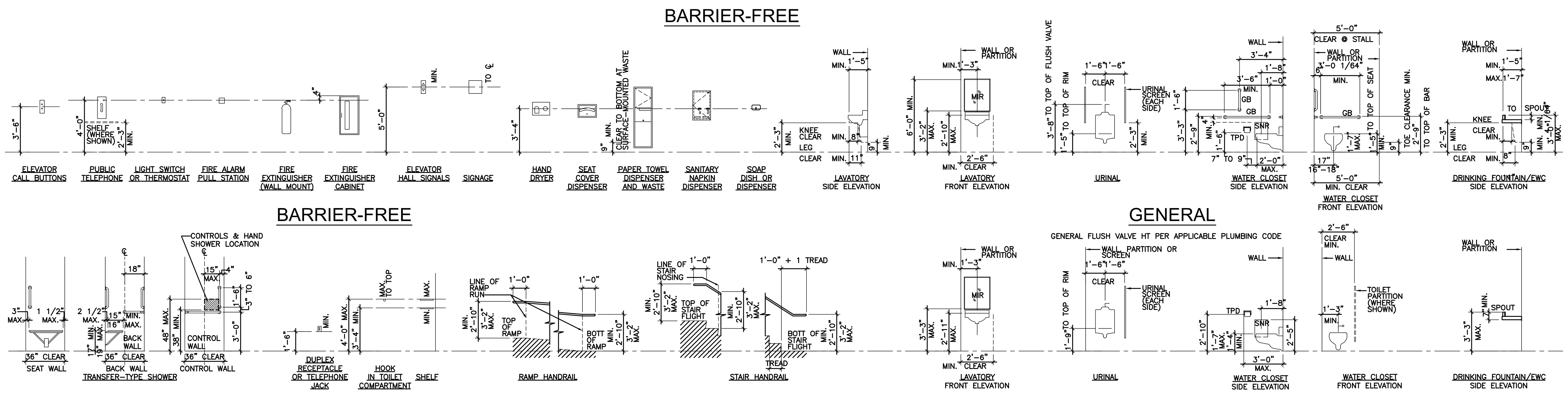
NSA Architects Engineers Planners

JOB NO.
215062.01

SHEET
T1.0

GENERAL LAYOUT INFORMATION AND TYPICAL MOUNTING HEIGHTS



ABBREVIATIONS

&	AND
℄	CENTER LINE
±	PLUS OR MINUS
ø	ROUND
1/4 ø	QUARTER ROUND
@	AT

A

A/C	AIR CONDITIONING
A/V	AUDIO/VIDEO
AB	ANCHOR BOLTS
ABR	ABRASIVE
ABS	ABSORBING
AC	ACOUSTIC, ACOUSTICAL
AC INSUL	ACOUSTIC INSULATION
ACB	AIR CIRCUIT BREAKER
ACC	ACCESS
ACP	ACOUSTIC CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
ADDN	ADDITION
ADDN'L	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFSS	AUTOMATIC FIRE SUPPRESSION SYSTEM
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL CLD	ALUMINUM-CLAD
AL, ALUM	ALUMINUM
ALT	ALTERNATE
AM PNL	ACOUSTICAL METAL PANEL
AMP	AMPERE
AMPL	AMPLIFIER
AMT	AMOUNT
ANCH	ANCHOR, ANCHORAGE
ANCHS	ANCHORS
ANOD	ANODIZED
AP	ACCESS PANEL
APPR	APPROVED
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASB BD	ASBESTOS BOARD
ASPH	ASPHALT
ASPHT	ASPHALT TILE
ASR	AUTOMATIC SPRINKLER RISER
ASST	ASSISTANT
ASSY	ASSEMBLY
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE

B

B	BATH ROOM
B CAB	BASE CABINET
B PL	BASE PLATE
B/B	BACK TO BACK
BA	BURGLAR ALARM
BBR	BASE BOARD RADIATION
BD	BOARD
BDD	BACK DRAFT DAMPER
BE	BOTTOM ELEVATION
BET	BETWEEN
BEV	BEVEL/BEVELED
BF	BARRIER-FREE, POHI
BFP	BACK FLOW PREVENTER
BITWP	BITUMINOUS WATERPROOFING
BK SH	BOOK SHELVES
BL	BUILDING LINE
BL REL	BLAST-RELIEF
BL RES	BLAST-RESISTANT
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BLR	BOILER
BLR F	BOILER FEED
BLR H	BOILER HOUSE
BLVD	BOULEVARD
BM	BEAM, BENCH MARK
BOTT	BOTTOM
BR	BED ROOM
BRG	BEARING
BRK	BRICK
BRKR	BREAKER
BRKT	BRACKET
BRZ	BRONZE
BSMT	BASEMENT
BT	BATH TUB, BENT
BTU	BRITISH THERMAL UNIT
BULL	BULLETIN
BUR	BUILT-UP ROOFING
BUZZ	BUZZER
BWV	BACK WATER VALVE

C

C	CHANNEL
C/C	CENTER TO CENTER
CA	COMPRESSED AIR
CAB	CABINET, CEMENT ASBESTOS BOARD
CAP	CAPACITY
CAT NO	CATALOG NUMBER
CB	CATCH BASIN
CBD	CHALKBOARD
CCL	COAT CLOSET
CD	CEILING DIFFUSER
CEM	CEMENT
CEMPLAS	CEMENT PLASTER
CER	CERAMIC
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CHD	CHORD
CHG	CHANGE
CHKD PL	CHECKERED PLATE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CIF	CAST IRON FRAME
CIP	CAST IRON PIPE
CIRC	CIRCUIT
CIRCUM	CIRCUMFERENCE
CJ	CONTROL OR CONSTRUCTION JOINT
CL	CLASS, CLOSET
CLG	CEILING
CLGHT	CEILING HEIGHT
CLR	CLEAR
CLR GL	CLEAR GLASS
CLR WGL	CLEAR WIRE GLASS
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CNVYR	CONVEYOR
CO	CLEAN OUT, COMPANY
COEF	COEFFICIENT
COL	COLUMN
COMPO	COMPOSITION
COMPR	COMPRESSOR
COMPT	COMPARTMENT
CONC	CONCRETE
COND	CONDUIT, CONDITION, CONDENSATE, CONDUCTOR
CONF	CONFERENCE
CONN	CONNECT, CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
COR	CORNER
CORR	CORRIDOR, CORRUGATED
COV	COVER
COVPL	COVER PLATE
CP	CONTROL PANEL
CPT	CARPET
CRS	COURSE, COURSES
CSTG	CASTING
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK (SUNK)
CUFT	CUBIC FEET (FOOT)
CUH	CABINET UNIT HEATER
CULV	CULVERT
CW	COLD WATER
CWR	CONDENSING WATER RETURN
CWS	CONDENSING WATER SUPPLY
CY	CUBIC YARD, CYCLES
CYL	CYLINDER

D

DB	DECIBEL, DRY BULB
DBL	DOUBLE
DDR	DUTCH DOOR
DEG	DEGREE
DEPT	DEPARTMENT
DES	DESIGN
DF	DRINKING FOUNTAIN
DGM	DIAGRAM
DH	DOUBLE HUNG
DIA OR ø	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DIR	DIRECTORY
DISC	DISCONNECT
DISCONT	DISCONTINUOUS
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVIDER, DIVISION
DL	DEAD LOAD
DMPFG	DAMPPROOFING
DMPR	DAMPER
DMT PRTN	DEMOUNTABLE PARTITION
DN	DOWN
DO	DITTO, DOOR OPENING
DO	DOOR OPENING
DP	DISTRIBUTION PANEL
DR	DINING ROOM, DOOR
DR OP	DOOR OPERATOR
DRN	DRAIN
DS	DOWNSPOUT
DSP	DRY STAND PIPE
DT	DRAIN TILE
DTC	DRAIN TILE CONNECTION
DUP	DUPLICATE
DW	DUMBWAITER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER

E

E	EAST
EJ	EXPANSION JOINT
EA	EACH
ED	EXHAUST DUCT
E F	EACH FACE
E F	EXHAUST FAN
EG	EXHAUSTGRILLE
EH	EXTRA HEAVY
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEC CAB	ELECTRICAL CABINET
ELEC CL	ELECTRIC CLOSET
ELEC OPER	ELECTRICALLY OPERATED
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
ENT	ENTRANCE, ENTRY
EP	ELECTRICAL PANEL, EPOXY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ER	EXHAUST REGISTER
ESMW	ELASTOMERIC SHEET MEMBRANE WATERPROOFING
ESP	EXTERNAL STATIC PRESSURE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATED
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXP B	EXPANSION BOLT
EXP'D	EXPOSED
EXPL P	EXPLOSION PROOF
EXT	EXTERIOR
EXT'N	EXTENSION
EXTR	EXTRUDED

F

F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER, FLOOR DRAIN
FDN	FOUNDATION
FDR	FEEDER
FEB	FIRE EXTINGUISHER AND BRACKET
FEC	FIRE EXTINGUISHER CABINET
FFIN	FACTORY FINISH
FGL	FIBERGLASS
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHCL	FIRE HOSE CLOSET
FHMS	FLAT HEAD MACHINE SCREW
FHR	FIRE HOSE RACK
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH, FINISHED
FIXT	FIXTURE
FL	FIRE LINE
FLASH	FLASHING
FLDG	FOLDING
FLR	FLOOR
FLR FIN	FLOOR FINISH
FLUOR	FLUORESCENT
FMBD	FORMBOARD
FPM	FEET PER MINUTE
FPRFG	FIREPROOFING
FR	FRAME
FR/COV	FRAME AND COVER
FRP	FIBERGLASS REINFORCED PLASTIC OR POLYESTER
FRT	FIRE RETARDANT TREATED
FRZR	FREEZER
FS	FAR SIDE, FULL SIZE
FSUP	FIRE SUPPRESSION
FT OR '	FEET, FOOT
FTG	FOOTING
FTR	FINNED TUBE RADIATION
FURN	FURNISH, FURNISHED
FURR	FURRED, FURRING
FUT	FUTURE

G

G	GAS
GA	GAUGE OR GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GEN'L	GENERAL
GHT	GLAZED HOLLOW TILE
GL	GLASS, GRID LINE
GLZ	GLAZE OR GLAZING
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GRANO	GRANOLITHIC
GRAT	GRATING
GRD	GROUND
GS	GREASE SEPARATOR
GSC	GAS SCRUBBER
GT	GREASE TRAP
GV & B	GATE VALVE AND BOX
GYP	GYPSUM
GYP BD	GYPSUM BOARD

H

HAGL	HEAT ABSORBING GLASS
HB	HOSE BIBB
HD	HEAD
HDWD	HARDWOOD
HDWE	HARDWARE
HEX	HEXAGON
HGT	HEIGHT
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HO	HUB OUTLET
HORIZ	HORIZONTAL, HORIZONTALLY
HOSP	HOSPITAL
HP	HIGH POINT, HORSEPOWER
HPR	HIGH PRESSURE
HR	HANDRAIL
HRU	HEAT RECOVERY UNIT
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HSP	HOSE STAND PIPE
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVC	HOSE VALVE CABINET
HW	HOT WATER
HWR	HOT WATER RETURN
HWY	HIGHWAY
HYD	HYDRANT

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN OR "	INCH OR INCHES
INCAND	INCANDESCENT
INCIN	INCINERATOR
INCL	INCLUDE, INCLUDING
INFO	INFORMATION
INST'L	INSTALL, INSTALLATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
INTER	INTERMEDIATE
INV	INVERT
IW	INDIRECT WASTE

J

JB	JUNCTION BOX
JC	JANITOR CLOSET
JST	JOIST
JT	JOINT

K

K	KIP (1,000 LB)
K-D	KNOCK-DOWN
KIP OR K	THOUSAND POUNDS
KOP	KNOCK OUT PANEL
KP	KICKPLATE
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT

L

L	ANGLE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LBL	LABEL
LBS OR #	POUNDS
LD	LINEAR DIFFUSER
LDG	LANDING
LDRY	LAUNDRY
LEV	LEVEL
LF	LINEAR FEET
LG	LONG
LGE	LARGE
LGTH	LENGTH
LH	LEFT HAND
LIN MET CLG	LINEAR METAL CEILING
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LO	LOUVER OPENING
LP	LIGHTING PANEL, LOW POINT
LPG	LIQUID PETROLEUM GAS, LIQUID PROPANE GAS
LPR	LOW PRESSURE
LR	LIVING ROOM
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LTWTCONC	LIGHTWEIGHT CONCRETE

M

M	THOUSAND
M & S	MIRROR & SHELF
MACH	MACHINE
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAR	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MB	MACHINE BOLT
MBT	MARBLE THRESHOLD
MC	MEDICINE CABINET
MDS	METAL DIVIDING STRIP
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MES	METAL EDGE STRIP
MET	METAL
MET WP	METALLIC WATERPROOFING
METCL	METAL CLAD
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MI	MISCELLANEOUS IRON
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MK	MARK
ML	METAL LATH
ML & P	METAL LATH & PLASTER
MLDG	MOLDING
MO	MASONRY OPENING
MOD	MOTOR OPERATED DAMPER
MRR	MOLDED RESIN RECEPTOR
MRT	MOLDED RESIN COUNTERTOP
MT	METAL THRESHOLD
MTD	MOUNTED
MULL	MULLION

N

N	NORTH
NAT	NATURAL
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NOS	NOSING
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE
NTS	NOT TO SCALE

O

O/O	OUT TO OUT
OA	OUTSIDE AIR
OBS	OBSCURE
OBS GL	OBSCURE GLASS
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OHD	OVERHEAD
OHD CLNG DR	OVERHEAD COILING DOOR
OHD DR	OVERHEAD DOOR
OP PRTN	OPERABLE PARTITION
OPG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
ORN	ORNAMENTAL
OXY	OXYGEN
OZ	OUNCE

P

P OR ø	PHASE
P/C	PRECAST
PA	PUBLIC ADDRESS
PARA	PARAGRAPH
PASS	PASSAGE
PB	PUSH BUTTON
PC	PIECE, POINT OF CURVATURE
PCF	POUNDS PER CUBIC FOOT
PCL	PRECAST LINTEL
PCS	PIECES
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PG	PRESSURE GAUGE
PIV	POST INDICATOR VALVE
PL GL	PLATE GLASS
PL LAM	PLASTIC LAMINATE
PL	PLATE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAL FOOT
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISH, POLISHED
PORC	PORCELAIN
PORCENAM	PORCELAIN ENAMEL
PORT	PORTABLE
PP	POWER PANEL
PR	PAIR
PREFAB	PREFABRICATED
PRIM	PRIMARY
PRL	PARALLEL
PROJ	PROJECT, PROJECTION
PROP	PROPERTY
PRTN	PARTITION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT, POINT OF TANGENCY
PTDD	PAPER TOWEL DISPENSER/DISPOSAL
PT WD	PRESERVATIVE TREATED WOOD
PTD	PAINTED, PAPER TOWEL DISPENSER
PTR	PRECAST TERRAZZO RECEPTOR
PTWR	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
PVC	POLYVINYLCHLORIDE (PIPE)
PVG	PAVING
PVMT	PAVEMENT

Q

QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY

R

R	RISER
RA	RETURN AIR
RAD	RADIUS, RETURN AIR DUCT
RAF	RETURN AIR FAN
RC	ROOF CONDUCTOR
RD	ROAD, ROOF DRAIN
REC	RECESS
RECPT	RECEPTACLE
RECT	RECTANGLE, RECTANGULAR
RECV	RECEIVING
RED	REDUCER
REF	REFER, REFERENCE
REFL	REFLECTED, REFLECTIVE
REFR	REFRIGERATION OR REFRIGERATOR
REG	REGISTER
REINF	REINFORCE, REINFORCING, OR REINFORCEMENT
REM	REMOVABLE, REMOVE
REQ'D	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISED, REVISION
RFG	ROOFING
RH	RIGHT HAND
RHK	ROBE HOOK
RHMS	ROUND HEAD MACHINE SCREW
RHWS	ROUND HEAD WOOD SCREW
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RS	ROOF SUMP
RT	RUBBER TILE
RV	ROOF VENTILATOR
RWC	RAIN WATER CONDUCTOR

S

S	SOUTH
S & P	SHELF AND POLE
SAN	SANITARY
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER, SPLITTER DAMPER, SUPPLY DIFFUSER, SUPPLY DUCT
SECT	SECTION
SER	SERVICE
SF	SQUARE FEET (FOOT), SUPPLY FAN, SWAY FRAME
SG	SUPPLY GRILLE
SGFT	STRUCTURAL GLAZED FACING TILE
SGL	SINGLE
SHT	SHEET
SHT MET	SHEET METAL
SHWR	SHOWER
SIM	SIMILAR
SK	SINK
SND	SEMI-RECESSED SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SP	SPACE(S), STATIC PRESSURE
SPEC	SPECIFICATIONS
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ. FT.	SQUARE FEET
SR	SUPPLY REGISTER
SS	SERVICE SINK
SSTL	STRUCTURAL STEEL
ST	STREET
ST STL	STAINLESS STEEL
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STLPL	STEEL PLATE
STM	STEAM
STOR	STORAGE
STR	STRAIGHT
STRUCT	STRUCTURAL
SUB	SUBSTATION
SUBST	SUBSTITUTE
SUPP	SUPPORT
SURF	SURFACE
SUSP	SUSPENDED, SUSPENSION
SV	SHEET VINYL
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMBOL, SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM

T

T	THERMOSTAT, TREAD, TOILET
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
T/C	TOP OF COVER OR CURB
T/R	TOP OF RAIL
T/S	TOP OF STEEL
TBD	TACKBOARD
TD	TRENCH DRAIN
TE	TOP ELEVATION
TECH	TECHNICAL
TEL	TELEPHONE
TELCAB	TELEPHONE CABINET
TEMP	TEMPERATURE
TEMPGL	TEMPERED GLASS
TERR	TERRAZZO
THD	THREAD, THREADED
THK	THICK, THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TOIL	TOILET
TPD	TOILET PAPER DISPENSER
TRAN	TRANSOM
TT	TWIN TEE
TU	TERMINAL UNIT
TV	TELEVISION, TURNING VANE
TVM	TELEVISION MONITOR
TYP	TYPICAL

U

UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS' LABORATORIES, INC.
ULT	ULTIMATE
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL, URETHANE
USUB	UNIT SUBSTATION
UV	UNIT VENTILATOR

V

V	VENT, VOLT(S)
V PLAS	VENEER PLASTER
VAC	VACUUM
VAT	VINYL ASBESTOS TILE
VB	VALVE BOX
VC	VERTICAL CURVE
VCO	VACUUM CLEANER OUTLET
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VD	VOLUME DAMPER
VEH	VEHICLE
VENT	VENTILATE, VENTILATED, VENTILATION
VERT	VERTICAL, VERTICALLY
VEST	VESTIBULE
VIN	VINYL
VIN FAB	VINYL FABRIC
VIT	VITREOUS
VITSURF	VITREOUS SURFACING
VOL	VOLUME
VT	VAPORTIGHT
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
VIF	VERIFY IN FIELD

W

W	WASTE, WATER, WATTS OR WEST
W CAB	WALL CABINET
W/	WITH
W/O	WITHOUT
WAINS	WAINSCOT
WB	WET BULB
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WASH FOUNTAIN
WG	WATER GAUGE
W GL	WIRE GLASS
WH	WALL HYDRANT
WHSE	WAREHOUSE
WI	WROUGHT IRON
WL	WORKING LINE
WM	WIRE MESH
WO	WINDOW OPENING
WP	WATERPROOFING, WEATHERPROOFING
WPT	WORKING POINT
WT	WEIGHT
WV	WALL VENT
WWF	WELDED WIRE FABRIC

X

XFER	TRANSFER
XFMR	TRANSFORMER

Y

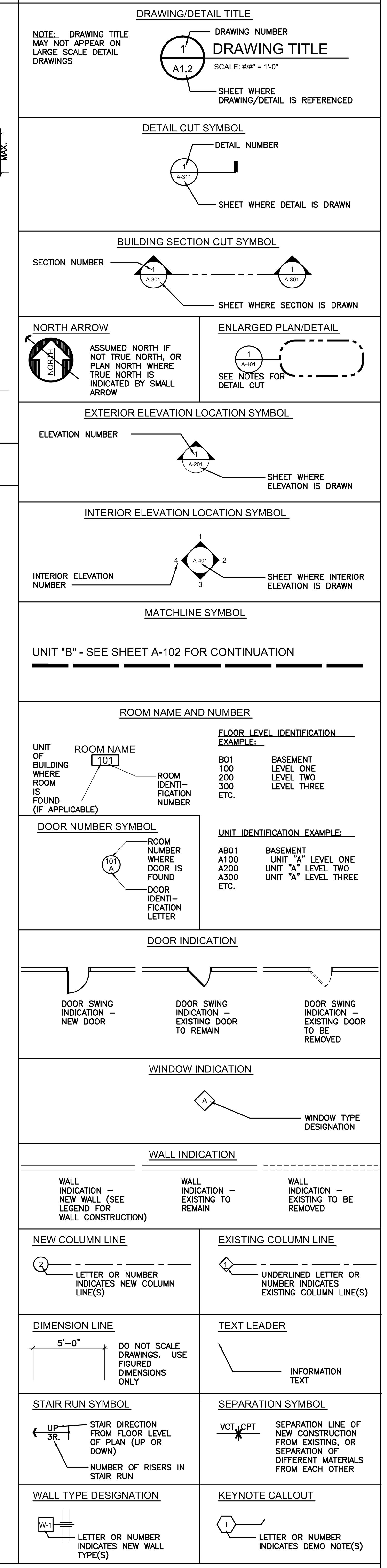
YD	YARD
YP	YIELD POINT
YR	YEAR
YS	YIELD STRENGTH

Z

ZC	ZINC-COATED

NOTE: NOT ALL OF THE STANDARD ITEMS LISTED HERE ARE USED WITHIN THIS SET OF DRAWINGS. ANY SPECIFIC DRAWINGS, NOTES, SYMBOLS, ETC. DEFINED AND USED IN THE FOLLOWING SHEETS GOVERN.

DRAWING SYMBOLS



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Client:
CITY OF DEARBORN
DEARBORN MICHIGAN

Project Title:
FORD FIELD COMFORT STATION

Date:	Issued for:
03-18-2016	OWNER REVIEW
04-25-2016	BIDS & PERMITS
02-27-2017	BIDS & PERMITS

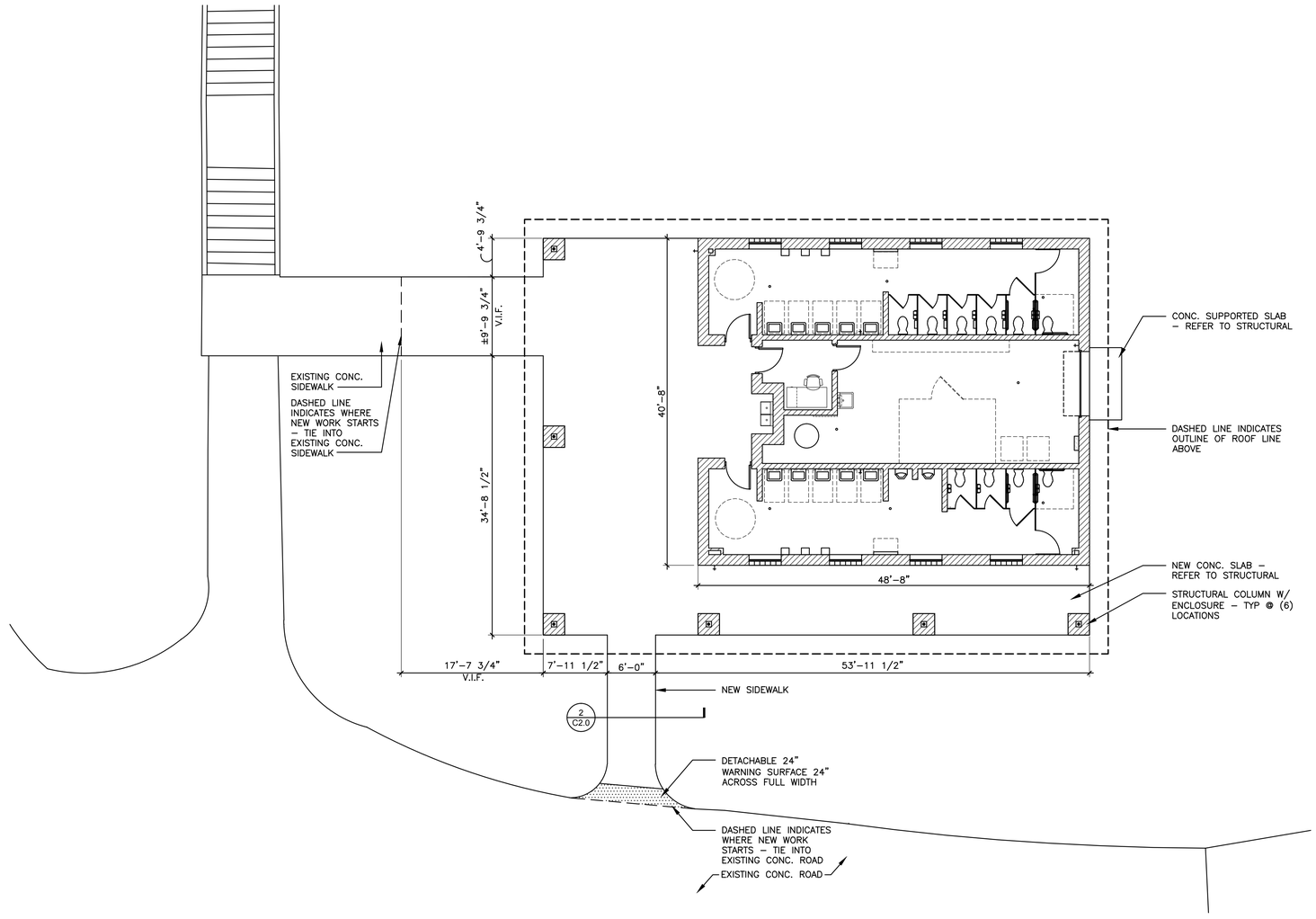
Drawn: KP Designed: BKJ
Checked: DC Approved: AT

CAD Drawing File:

Project Number: 215062.01

Sheet Title:
GENERAL INFORMATION

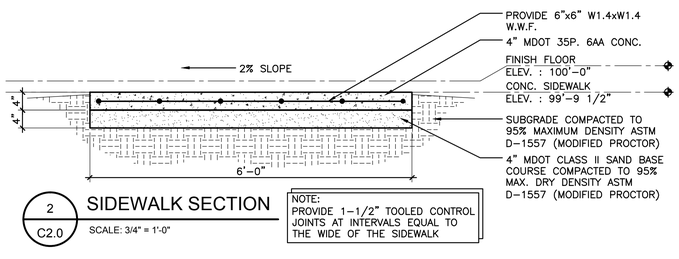
Sheet Number: G-1.0



1 C2.0 NORTH

ARCHITECTURAL SITE PLAN

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



2 C2.0

SIDEWALK SECTION

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

NOTE:
PROVIDE 1-1/2" TOOLED CONTROL JOINTS AT INTERVALS EQUAL TO THE WIDE OF THE SIDEWALK

GENERAL NOTES:

1) ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS THE CITY OF DEARBORN.
2) ALL NECESSARY PERMITS, TESTING, BONDS AND INSURANCE ETC. SHALL BE PAID FOR BY THE CONTRACTOR. THE OWNER SHALL PAY FOR ALL CITY INSPECTION FEES.
3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL DURING THE PERIODS OF CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE JOB.
4) PRIOR TO ANY EXCAVATION, THEN CONTRACTOR SHALL CONTACT MISS DIG (811) TO VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES AND SHALL NOTIFY OTHER REPRESENTATIVES OF OTHER UTILITIES IN THE VICINITY OF THE WORK.
5) ALL PROPERTIES OR FACILITIES IN THE SURROUNDING ARES, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DISTURBED DUE TO CONSTRUCTION, SHALL BE REPLACED AND / OR RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
6) MANHOLE, CATCH BASIN, GATE VALVES AND HYDRANT FINISH GRADES MUCH BE CLOSELY CHECKED AND APPROVED BY THE ENGINEER BEFORE THE CONTRACTORS WORK IS CONSIDERED COMPLETE.
7) CONTRACTOR SHALL REMOVE AND DISPOSE OF OFF-SITE ANY PRESS, BRUSHES, STUMPS, TREES OR OTHER UNWANTED DEBRIS AT THE OWNERS DIRECTION, INCLUDING OLD BUILDING FOUNDATIONS AND FLOORS. BURNING OF TRASH, STUMPS OR OTHER DEBRIS SHALL NOT BE PERMITTED.
8) THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, LIGHT AND TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AND SAFELY CONTAIN TRAFFIC IN ACCORDANCE WITH "MMUTCDE"
9) ALL EXCAVATIONS SHALL BE SLOPED, SHORED AND BRACED IN ACCORDANCE WITH MI-OSHA REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE AN ADEQUATELY CONSTRUCTED AND BRACED SHORING SYSTEM FOR EMPLOYEES WORKING IN AN EXCAVATION THAT MAY EXPOSE EMPLOYEES TO THE DANGER OF MOVING GROUND.
10) ALL REFERENCES TO MDOT SPECIFICATIONS ARE TO BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

PAVING NOTES:

1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF DEARBORN AND MDOT.
2) IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
3) SUB-GRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PREFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE TOPSOIL IN FILL SECTIONS OR BELOW SUB-GRADE IN CUT SECTIONS, WILL BE CLASSIFIED AS SUB-GRADE UNDERCUTTING.
4) SUB-GRADE UNDERCUTTING SHALL BE PREFORMED WHERE NECESSARY AND THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ANY SUB-GRADE UNDERCUTTING SHALL BE BACKFILLED WITH SAND OR OTHER SIMILAR APPROVED MATERIAL BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM UNIT WEIGHT (PER ASTM D-1557) UNLESS OTHERWISE SPECIFIED
5) BACKFILL UNDER PAVED AREAS SHALL BE AS SPECIFIED ON DETAILS.
6) ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL TO THE JOB.

BUILDING CODE DATA

PROJECT DESCRIPTION:
SINGLE STORY TOILET FACILITY.

PARKING PROVIDED: EXISTING

BUILDING DESIGN CODES:
2012 MICHIGAN BUILDING CODE
2014 NEC
2012 MICHIGAN PLUMBING CODE
2012 MICHIGAN MECHANICAL CODE

ENERGY CODE: STATE OF MICHIGAN

ACCESSIBILITY CODE: STATE OF MICHIGAN CABO/ ANSI A117.1- 1992

SEISMIC CATEGORY: II

USE GROUP: A-3 (ASSEMBLY)

PLUMBING FIXTURES:

NEW	WATER CLOSETS	URINALS	LAVS
WOMENS	6	–	5
MENS	4	2	5

CONSTRUCTION TYPE: VB

TOTAL BUILDING AREA:
ALLOWABLE PER FLOOR (TABLE 503): BASED UPON A-3 USE GROUP BASIC: 6,000 S.F.
FOR OPEN PERIMETER: + 4,500 S.F.
SPRINKLER: (N.A.)
10,500 S.F.

ACTUAL BUILDING AREA (TO FACE OF EXTERIOR COLUMNS UNDER ROOF PROJECTION): 3,919.50 S.F.

BUILDING HEIGHT:
ALLOWABLE (TABLE 503): BASED UPON A-3 USE GROUP 1 STORY
ACTUAL (MID HEIGHT OF LARGEST HIP ROOF) 1 STORY, 15'-4"

FIRE SPRINKLER DESIGN: N.A.

OCCUPANT LOAD:
WOMEN'S TOILET/SHOWER (BASED UPON TABLE 1004.1.2 2003 MBC): 746 NET S.F./15 = 50 OCC.
(WOMEN'S TOILET/SHOWER BASED UPON MAXIMUM NUMBER OF FIXTURES AVAILABLE): (19 OCC.)

MEN'S TOILET/SHOWER (BASED UPON TABLE 1004.1.2 2003 MBC): 746 NET S.F./15 = 50 OCC.
(MEN'S TOILET/SHOWER BASED UPON MAXIMUM NUMBER OF FIXTURES AVAILABLE): (21 OCC.)

UTILITY ROOM (BASED UPON TABLE 1004.1.2 2003 MBC): 284 GSF/300 = 1 OCC.

MAXIMUM TRAVEL DISTANCE (ACTUAL): 42'-0"

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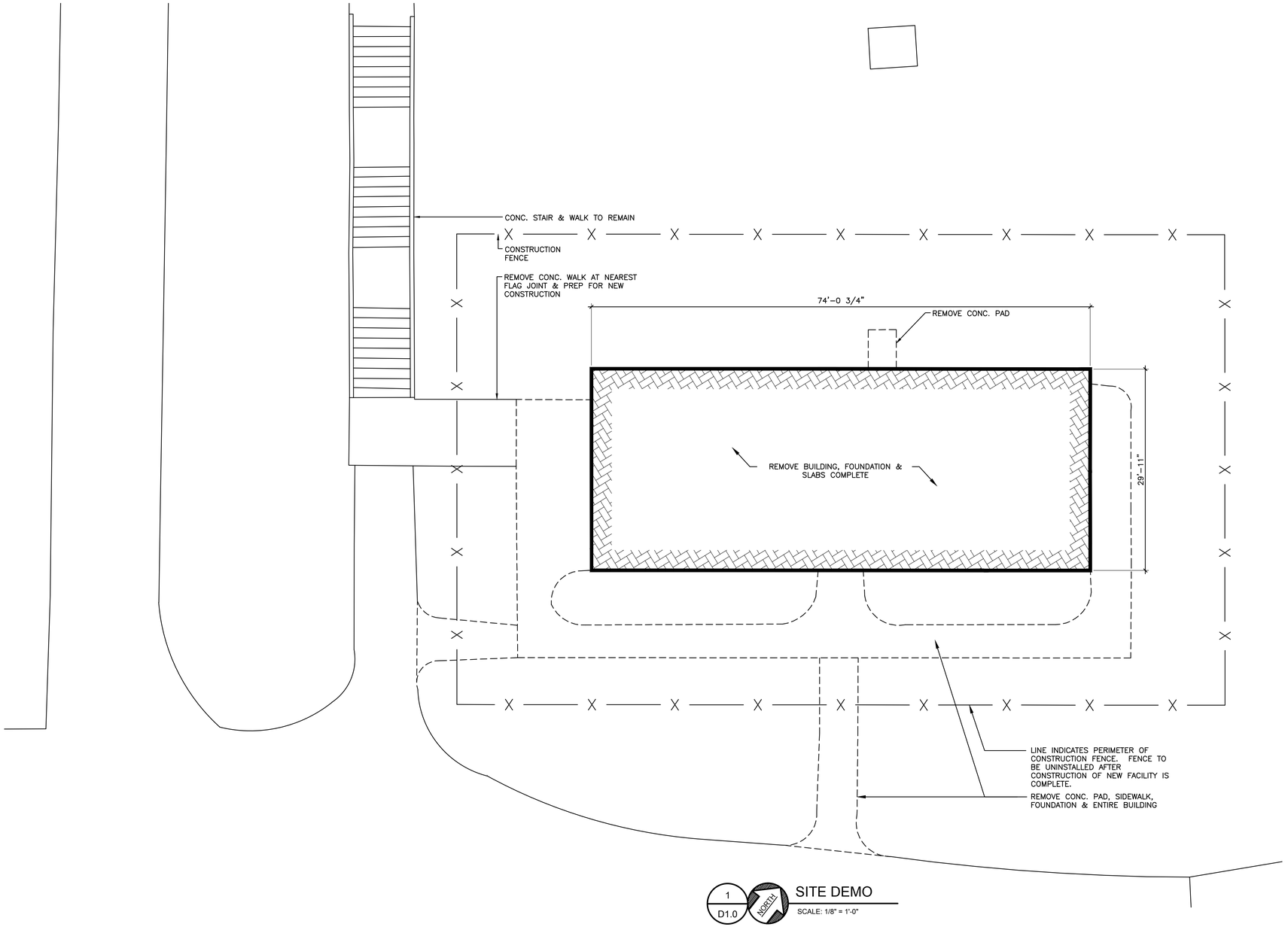
ARCHITECTURAL
SITE PLAN & CODES

Sheet Number: G2.0



1 / D1.0 NORTH

SITE DEMO

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

GENERAL ARCHITECTURAL DEMOLITION NOTES

1. DO NOT SCALE DRAWINGS. USE CALCULATED DIMENSIONS ONLY.

2. DRAWINGS ARE SCHEMATIC AND DO NOT ACCOUNT FOR HIDDEN CONDITIONS THAT MAY BECOME APPARENT DURING DEMOLITION. VERIFY ALL ON-SITE CONDITIONS AND COORDINATE EXTENT OF DEMOLITION IN FIELD WITH EXISTING CONDITIONS AND NEW WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

3. PRIOR TO START Of DEMOLITION WORK, SUBMIT A SCHEDULE FOR REVIEW TO THE OWNER'S REPRESENTATIVE INDICATING PROPOSED METHODS AND SEQUENCE OF OPERATIONS.

4. PROVIDE TEMPORARY BARRICADES DURING CONSTRUCTION.

5. REMOVE PROTECTIONS AT COMPLETION OF WORK.

6. DOCUMENTS ARE BASED UPON PARTIAL DRAWING SET FROM ORIGINAL BUILDING CONSTRUCTION AND FROM BUILDING RENOVATION (OF 1990). VERIFY SCOPE OF DEMOLITION IN THE FIELD AND REPORT DISCREPANCIES TO THE ARCHITECT.

7. COORDINATE WITH OWNER LOCATION FOR REFUSE CONTAINERS ON THE SITE.

8. REMOVE STRUCTURE IN ITS ENTIRETY, INCLUDING ALL SLABS, FROST SLABS, AND RECESSED (+/- 3 FOOT) FLOOR AREAS, ALONG WITH FOUNDATIONS, SITE PAVING, AND UTILITY LEADS WITHIN DESIGNATED "LIMITS OF DEMOLITION". MINIMIZE DISTURBANCE TO SITE WITHIN LIMITS OF PERIMETER BARRICADES.

9. OWNER RESERVES THE RIGHT TO REMOVE ITEMS FROM THE BUILDING PRIOR TO START OF STRUCTURE DEMOLITION.

10. NOTIFY OWNER IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS.

GENERAL MECHANICAL/PLUMBING DEMOLITION NOTES

1. REMOVE WATER SERVICE BACK TO "LIMIT OF DEMOLITION" AND CAP. MARK POINT OF TERMINATION FOR POTENTIAL SUBSEQUENT TIE-IN.

2. REMOVE SANITARY SERVICE BACK TO "LIMIT OF DEMOLITION" AND CAP. MARK POINT OF TERMINATION FOR POTENTIAL SUBSEQUENT TIE-IN.

3. REMOVE GAS SERVICE BACK TO "LIMIT OF DEMOLITION" AND CAP. MARK POINT OF TERMINATION FOR POTENTIAL SUBSEQUENT TIE-IN.

GENERAL ELECTRICAL DEMOLITION NOTES

2. COORDINATE DISCONNECTION & REMOVAL OF OVERHEAD POWER & COMMUNICATION UTILITY SERVICES WITH OWNER AND UTILITY COMPANIES.

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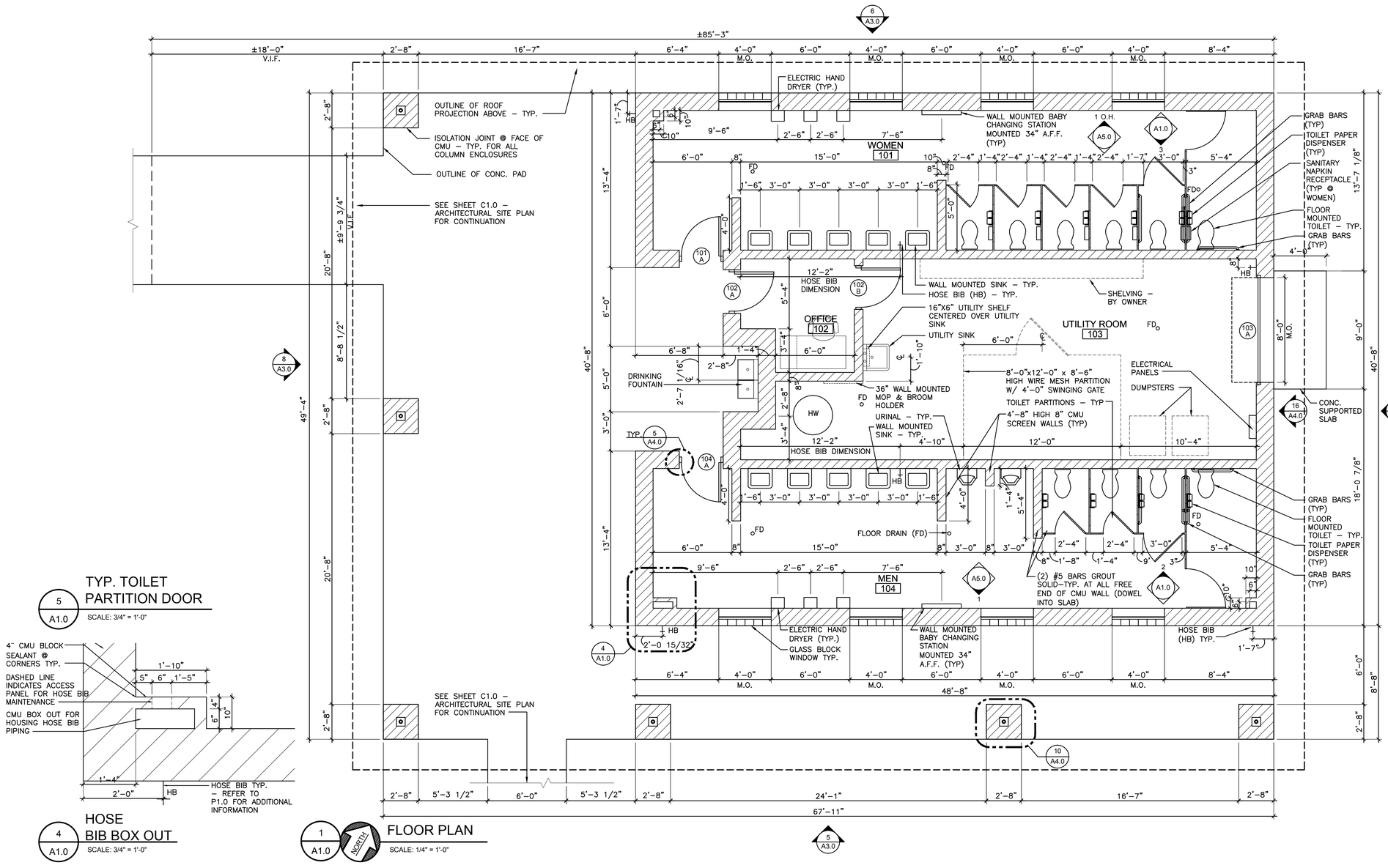
SITE DEMOLITION PLAN

Sheet Number: AD1.0



TYP. TOILET PARTITION DOOR

5 / A1.0

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

HOSE BIB BOX OUT

4 / A1.0

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

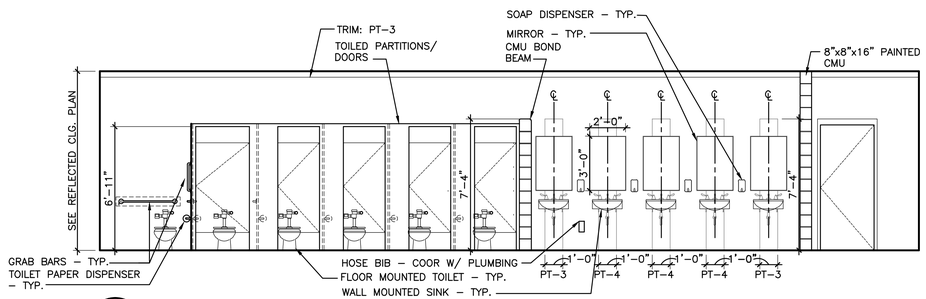
FLOOR PLAN

1 / A1.0

NORTH

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

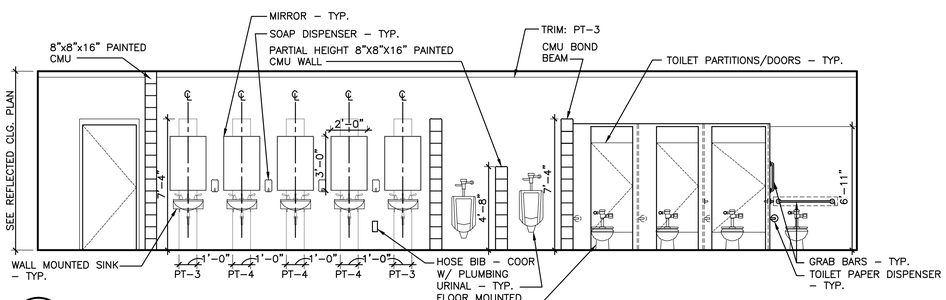
5 / A3.0



WOMENS RESTROOM ELEVATION

3 / A1.0

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



MENS RESTROOM ELEVATION

2 / A1.0

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

GENERAL NOTES:

1) ALL EXPOSED CORNERS OF MASONRY INSIDE OF COMFORT STATION TO BE BULLNOSED EXCEPT @ DOOR HEAD CONDITIONS – TYP.
2) SLOPE CONCRETE FLOOR SLAB TO FLOOR DRAINS – TYP.
3) ALL DIMENSIONS ARE TAKEN FROM FACE OF CMU WALL.
4) EXTERIOR DOORS TO BE HEAVY HIGH ABUSE HOLLOW METAL DOORS & FRAMES W/ CONT. HINGE, PUSH / PULL, DEAD BOLT & KEYED EACH SIDE.
5) ELECTRIC HAND DRYER PROVIDED BY OWNER, G.C. TO INSTALL.
6) BABY CHANGING TABLE PROVIDED BY OWNER G.C. TO INSTALL.
7) TOILET PAPER DISPENSER PROVIDED BY OWNER, G.C. TO INSTALL.
8) AOAP DISPENSER PROVED BY OWNER, G.C. TO INSTALL.
9) DUMPSTER PROVIDED BY OWNER.
10) FURNITURE FOR REFERENCE ONLY.
11) SHELVING PROVIDED BY OWNER.
12) CAGE PROVIDED BY OWNER, G.C. TO INSTALL.

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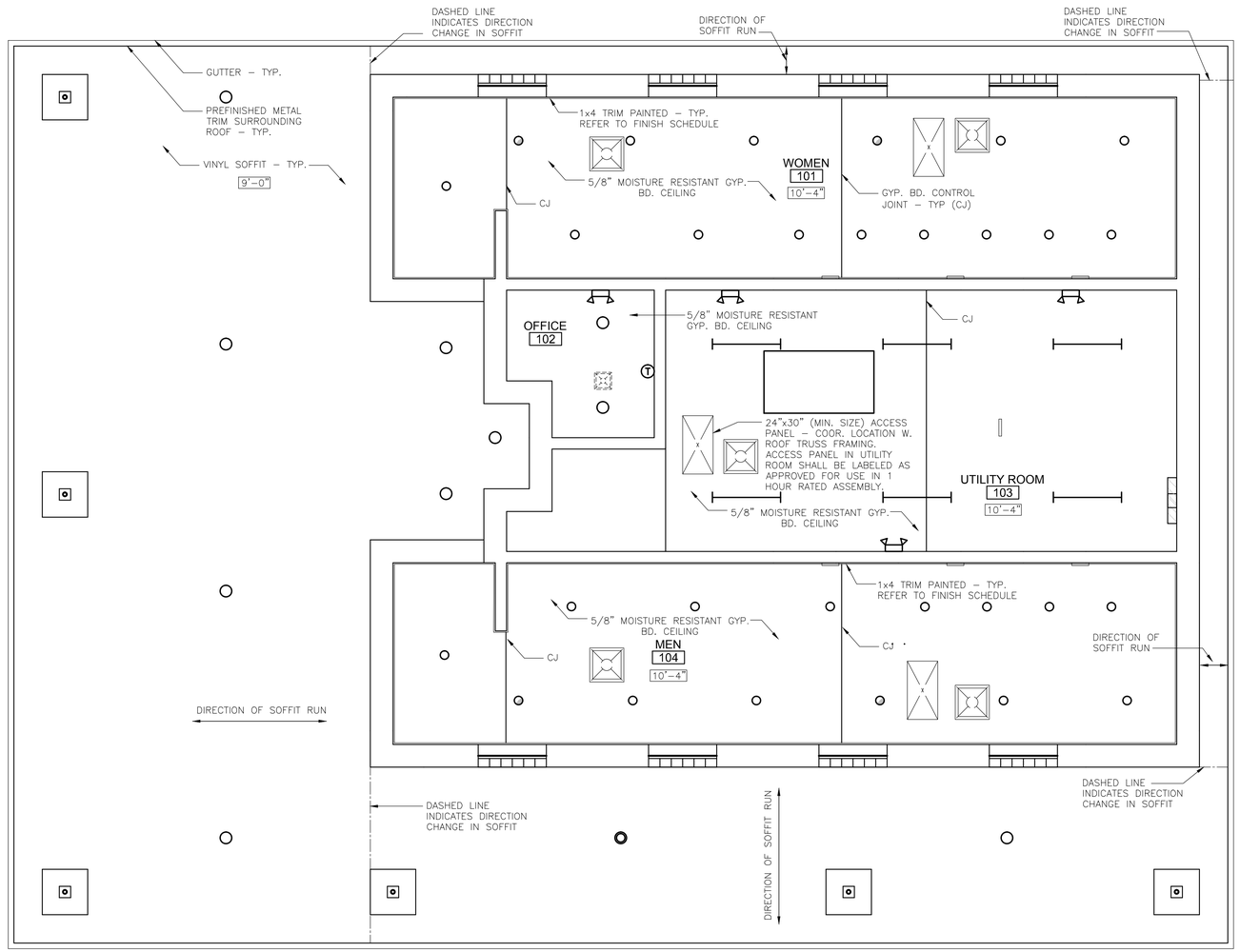
FLOOR PLAN & INTERIOR ELEVATIONS

Sheet Number: A1.0



1 / A2.0 NORTH

REFLECTED CEILING PLAN

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

CEILING LEGEND:

- GYPSUM BOARD
- 2'–0" X 2'–0" ACOUSTICAL CEILING TILE
- 2'–0" X 4'–0" RECESSED LIGHT FIXTURE
- 2'–0" X 4'–0" RECESSED LIGHT FIXTURE ON EMERGENCY CIRCUIT
- 4'–0" LIGHTING STRIP
- 1'–0" X 4'–0" SURFACE MOUNTED LIGHT FIXTURE
- 1'–0" X 4'–0" SURFACE MOUNTED LIGHT FIXTURE ON EMERGENCY CIRCUIT
- CEILING FAN
- DOUBLE BOWL PENDANT LIGHT FIXTURE
- CEILING OR WALL MOUNTED FIXTURE
- CEILING OR WALL MOUNTED FIXTURE ON EMERGENCY CIRCUIT
- EXIT SIGN–ARROWS INDICATE DIRECTION
- AIR SUPPLY DIFFUSER
- AIR RETURN GRILLE
- 0'-0" INDICATES NON TYPICAL CEILING HEIGHT
- 1 HOUR RATED HATCH FOR VISUAL INSPECTION OF FIREWALL (20"X36")
- CJ CONTROL JOINT

CEILING NOTES:

1. GENERAL CONTRACTOR TO COORDINATE RECESSED LIGHT FIXTURE LOCATIONS W/ DUCTWORK, SPRINKLERS AND STRUCTURE.
2. FIXTURE/EQUIPMENT LOCATIONS PER ELECTRICAL DRAWINGS.
3. FOR FIXTURE TYPES, REFER TO ELECTRICAL PLANS.
4. CENTER SPRINKLER HEADS, DIFFUSERS, GRILLES, LIGHTING FIXTURES, ETC. IN CEILING TILES OR ALIGN IN GYPSUM BOARD CEILINGS.
5. PROVIDE FIRE–RATED RECESSED FIXTURES IN ALL UL ROOF/CEILING ASSEMBLIES. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SCHEDULE.
6. CEILING TILES TO BE CENTERED BETWEEN BULKHEADS AS SHOWN UNLESS NOTED OTHERWISE.
7. REFER TO FINISH SCHEDULE FOR GENERAL ROOM CEILING HEIGHTS. REFER TO PLAN FOR SPECIAL CONDITIONS. CEILING HEIGHT IS 8'–0" U.O.N.
8. AT RATED CEILINGS, PRICE TO INCLUDE ALL ITEMS REQUIRED BY U.L. ASSEMBELIES (AS SHOWN ON A–100) INCLUDING BUT NOT LIMITED TO TENTING OF LIGHT FIXTURES.

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REFLECTED CEILING PLAN

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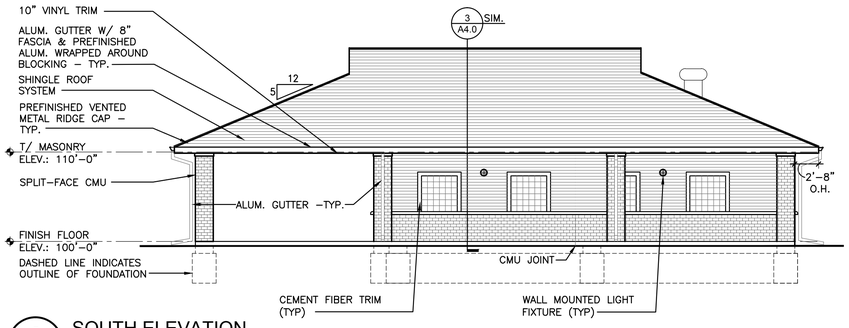
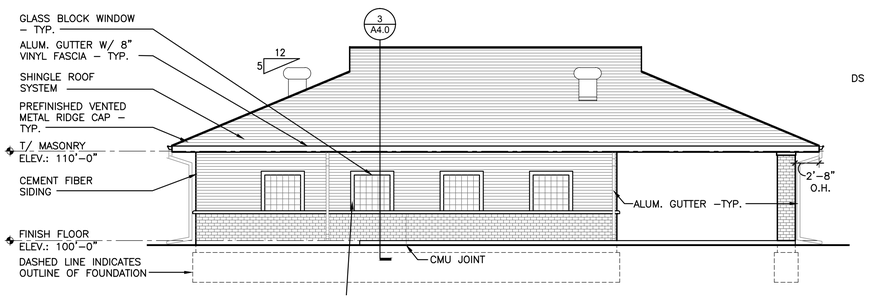


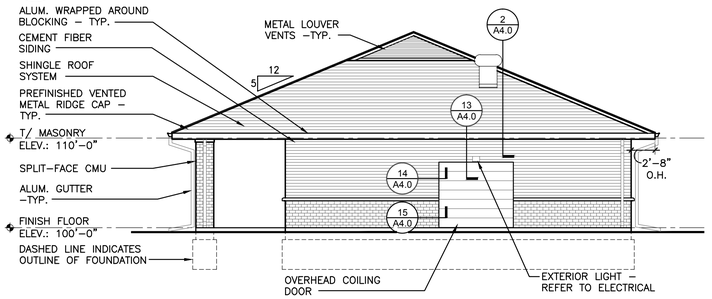
5 A1.0 SOUTH ELEVATION

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



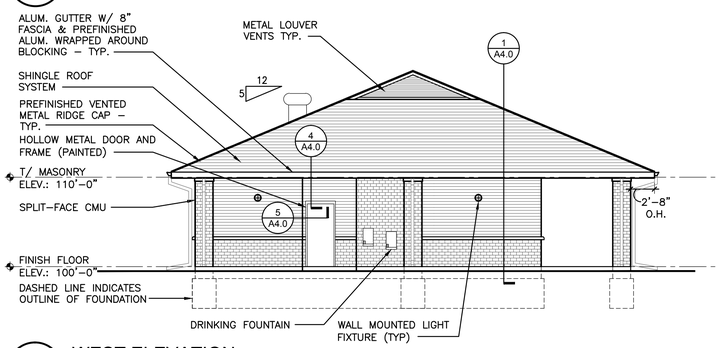
6 A1.0 NORTH ELEVATION

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



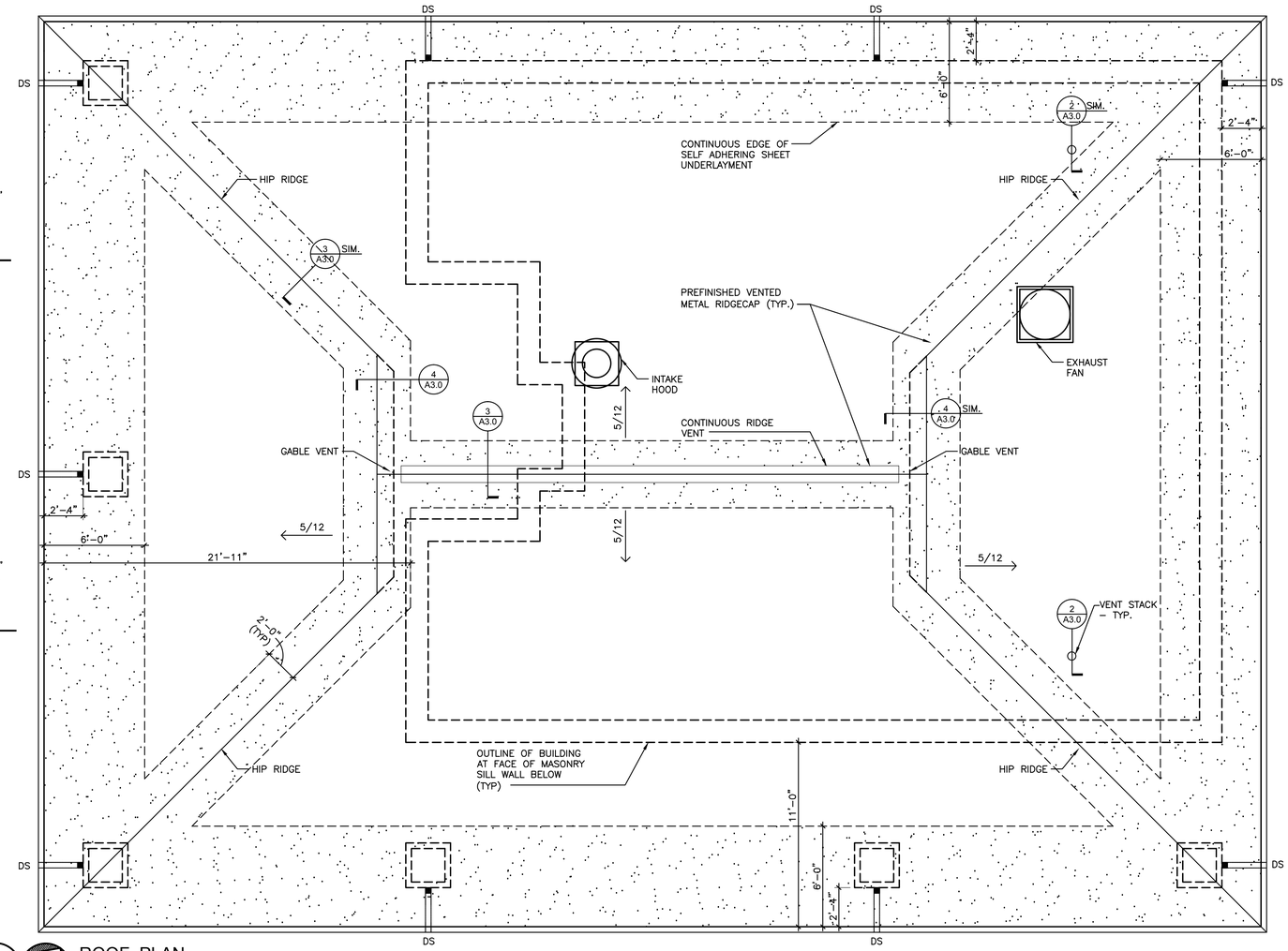
7 A1.0 EAST ELEVATION

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



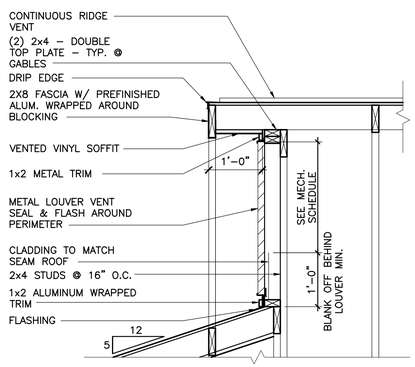
8 A1.0 WEST ELEVATION

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



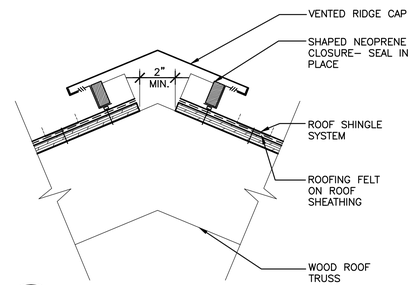
1 A3.0 NORTH ROOF PLAN

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



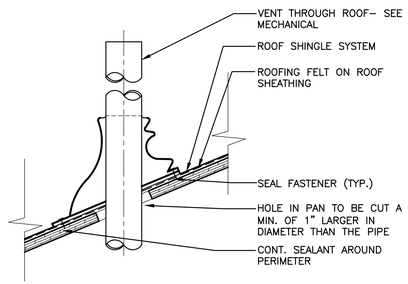
4 A3.0 TYP. GABLE ROOF SECTION

SCALE: 3" = 1'-0"



3 A3.0 RIDGE DETAIL

SCALE: 3" = 1'-0"



NOTE:
PIPE BOOT BASE SHOULD BE 2" SMALLER THAN THE DISTANCE BETWEEN THE STANDING SEAMS.

2 A3.0 FLASHING DETAIL

SCALE: 3" = 1'-0"

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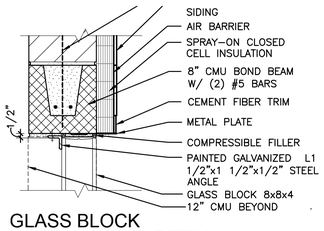
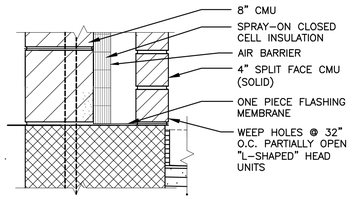
ROOF PLAN, EXTERIOR ELEVATIONS AND DETAILS

Sheet Number:
A3.0



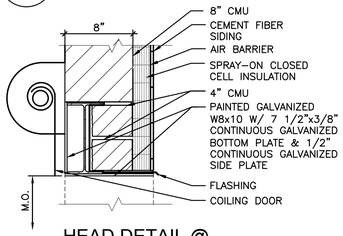
12 / A3.0 GLASS BLOCK WINDOW HEAD DETAIL

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



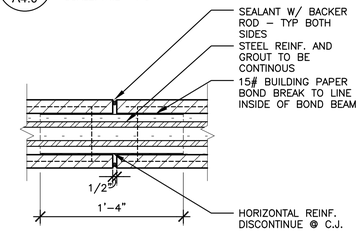
7 / A4.0 TYP. FLASHING DETAIL

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



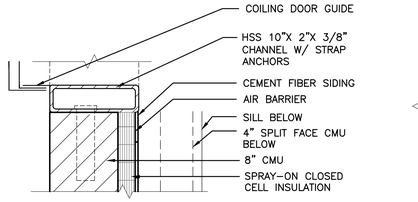
13 / A3.0 HEAD DETAIL @ OVERHEAD DOOR

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



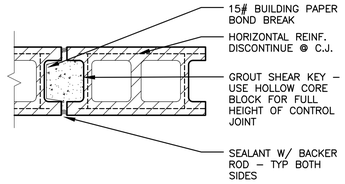
8 / A4.0 TYP. CONTROL JOINT @ BOND BEAM

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



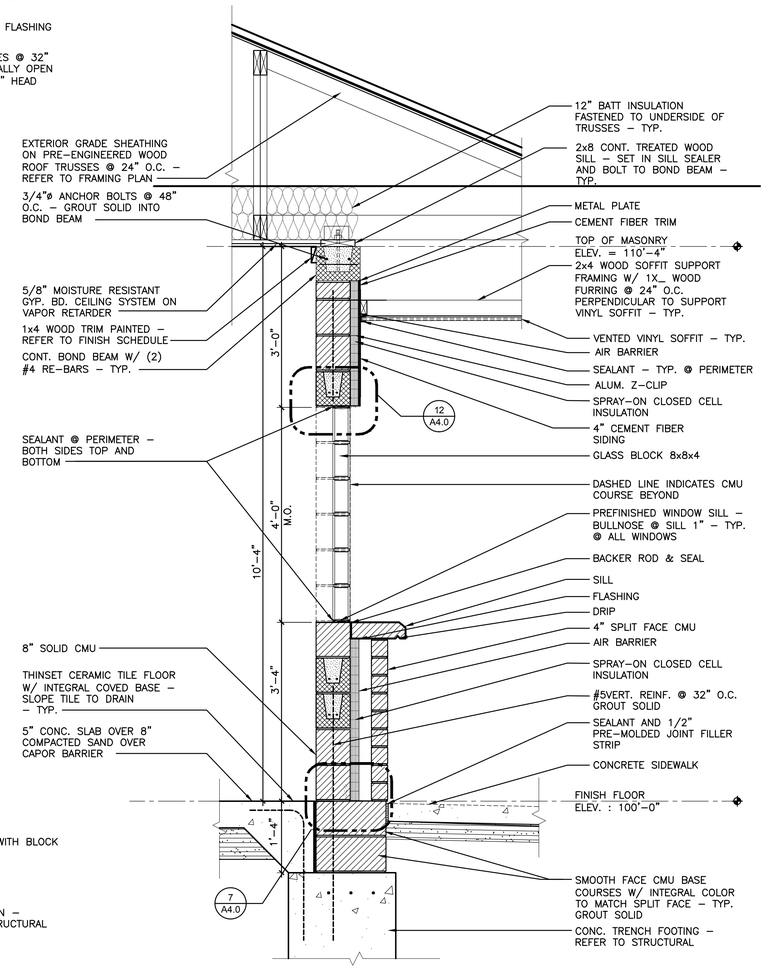
14 / A3.0 JAMB DETAIL @ OVERHEAD DOOR

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



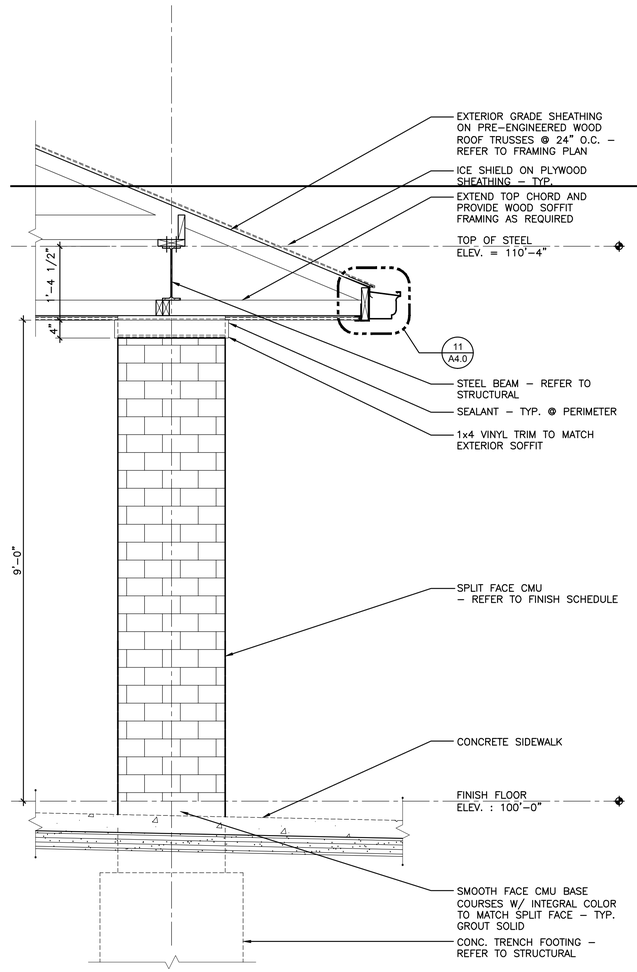
9 / A4.0 TYP. CONTROL JOINT

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



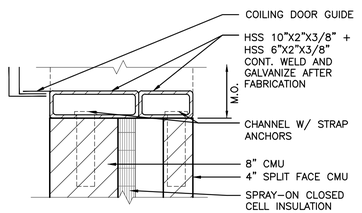
3 / A4.0 SECTION

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



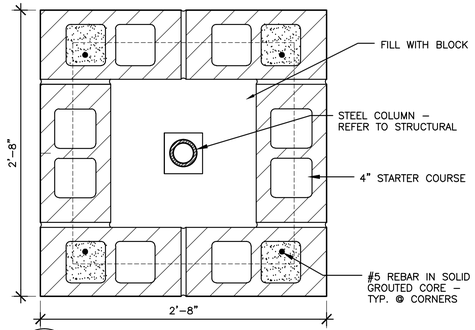
1 / A4.0 SECTION

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



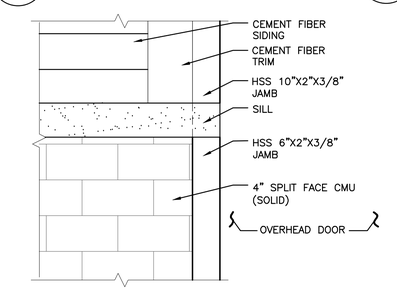
15 / A3.0 JAMB DETAIL @ OVERHEAD DOOR

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



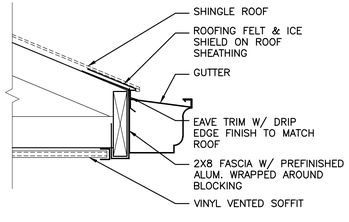
10 / A4.0 COLUMN DETAIL

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



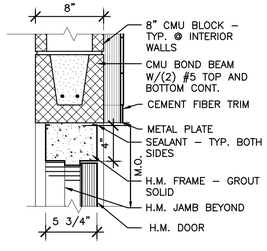
16 / A1.0 JAMB ELEVATION DETAIL

SCALE: 3" = 1'-0"



11 / A4.0 FASCIA DETAIL

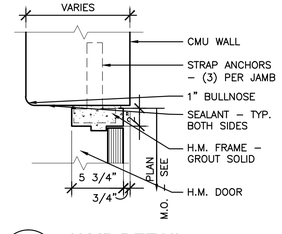
SCALE: 3" = 1'-0"



6 / A4.0 HEAD DETAIL

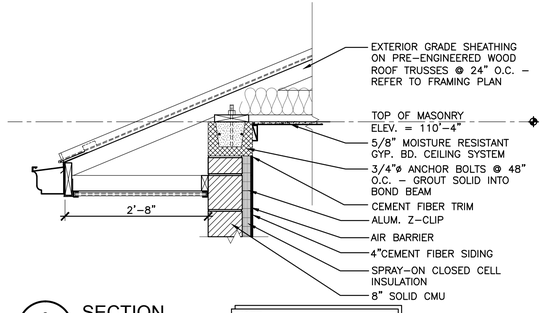
SCALE: 1 1/2" = 1'-0"

NOTE: BEAR LINTELS MIN 8" EACH SIDE (TYP.)



5 / A1.0 JAMB DETAIL

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



2 / A4.0 SECTION

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

NOTE:
REFER TO SECTION 3/A4.0 FOR TYP. NOTES.

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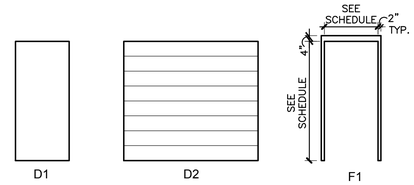
Sheet Title:
WALL SECTIONS AND DETAILS

Sheet Number: A4.0

DOOR SCHEDULE

DOOR NUMBER	LOCATION	DOOR OPENING SIZE	DOOR THICK	DOOR			FRAME			RATING (MIN.)	UNDER CUT	HARD WARE	THRESHOLD	DETAILS			REMARKS	DOOR NUMBER
				TYPE	MATL	FIN	TYPE	MATL	FIN					JAMB	HEAD	SILL		
101A	WOMEN	3'-0" x 7'-0"	1 3/4"	D1	HM	PT-3	F1	HM	PT-3	–	–	SEE SPEC	AL	5/A4.0	6/A4.0	–	INSULATED METAL DOOR	101A
102A	OFFICE	3'-0" x 7'-0"	1 3/4"	D1	HM	PT-3	F1	HM	PT-3	–	–	SEE SPEC	AL	5/A4.0	6/A4.0	–	INSULATED METAL DOOR	102A
102B	OFFICE	3'-0" x 7'-0"	1 3/4"	D1	HM	PT-3	F1	HM	PT-3	–	–	SEE SPEC	AL	5/A4.0	4/A4.0	–	METAL DOOR W/GRILL	102B
103A	UTILITY ROOM	8'-0" x 7'-4"	–	D2	–	PT-3	–	STEEL	PT-3	–	–	SEE SPEC	–	13/A4.0	14/A4.0	–	INSULATED METAL O.H. DR.	103A
104A	MEN	3'-0" x 7'-0"	1 3/4"	D1	HM	PT-3	F1	HM	PT-3	–	–	SEE SPEC	AL	5/A4.0	6/A4.0	–	INSULATED METAL DOOR	104A

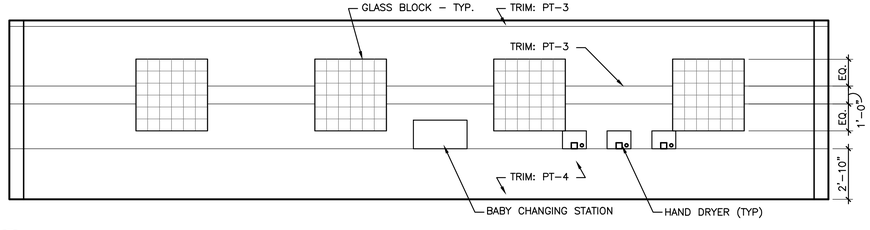


ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		ROOM FINISH NOTES
				NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	
101	WOMEN	SEALED CONCRETE	–	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	SUSPENDED MOISTURE RESISTANT GYP. BD.	EPOXY PAINT	–
103	OFFICE	SEALED CONCRETE	–	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	SUSPENDED GYP. BD.	EPOXY PAINT	–
103	UTILITY ROOM	CONC. W/HARDENER	–	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	MOISTURE RESISTANT GYP. BD.	EPOXY PAINT	–
104	MEN	SEALED CONCRETE	–	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	CMU EPOXY PT	SUSPENDED MOISTURE RESISTANT GYP. BD.	EPOXY PAINT	–

MATERIAL FINISHES

	CODE	DISTRIBUTOR	MANUFACTURER	SPECIFICATIION	REMARKS
INTERIOR	PT-1		BENJAMIN MOORE	COLOR: NATURAL CREAM OC-14 FINISH: SEMI-GLOSS	GENERAL
	PT-1a		BENJAMIN MOORE	COLOR: SILVER SATIN OC-26 FINISH: SEMI-GLOSS	GENERAL (ALTERNATE)
	PT-2		BENJAMIN MOORE	COLOR: ICE MIST OC-67 FINISH: FLAT	CEILING
	PT-3		BENJAMIN MOORE	COLOR: HUNTER GREEN 2041-10 FINISH: SEMI-GLOSS	ACCENT PAINT AND H.M. DOORS AND FRAMES
	PT-4		BENJAMIN MOORE	COLOR: OL' BLUE EYES 2064-30 FINISH: SEMI-GLOSS	ACCENT PAINT (ALTERNATE)
	S. CONC.		–	–	SEALED CONC FLOOR
	TLT.P		ACCURATE	COLOR: HUNTER GREEN 9508 ITEM: SOLID PLASTIC (HDPE)	PARTITION AND DOOR
EXTERIOR	CMU-1	NATIONAL BLOCK & READY-MIX, INC		COLOR: RED BARN FINISH: SMOOTH ITEM: HALF HIGH CMU	GENERAL
	CMU-2	NATIONAL BLOCK & READY-MIX, INC		COLOR: SKY GREY/WHITE FINISH: GROUND FACE	ACCENT BAND
	METAL		PAC-CLAD	COLOR: HUNTER GREEN	STANDING SEAM METAL ROOF
	MORTAR		GLEN-GERY	COLOR: PORTLAND CEMENT & LIME BLEND	
	VINYL SOFFIT		CERTAINTEED	COLOR: COLONIAL WHITE ITEM: TRIPLE 3-1/3" INVISIVENT	



1 / A1.0 MENS RESTROOM ELEVATION

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

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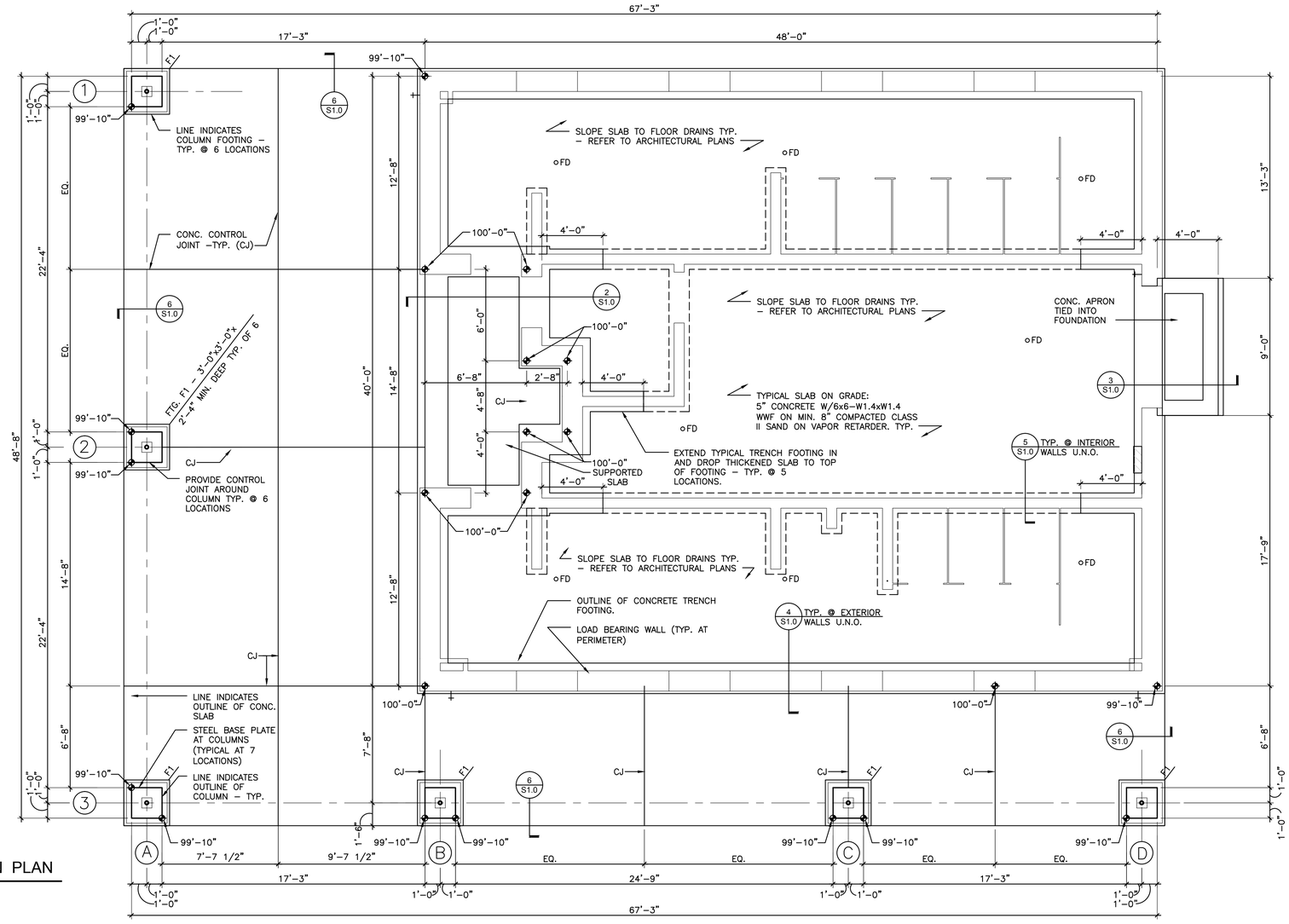
Sheet Title:
DOOR SCHEDULE
AND FINISH MATERIAL
SCHEDULE

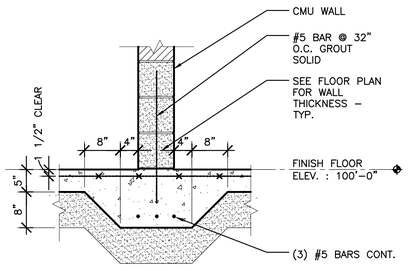
Sheet Number: A5.0



1 / S1.0 NORTH **FOUNDATION PLAN**

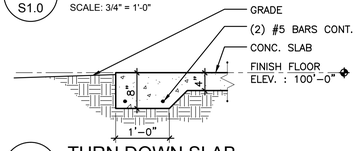
SCALE: 1/4" = 1'-0"

NOTE:
1) FOUNDATIONS ARE DESIGNED FOR ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 2,000 P.S.F. – BEARING PRESSURE TO BE CONFIRMED DURING CONSTRUCTION.
2) BY SOILS ENGINEER.
3) PITCH FLOOR SLAB TO DRAIN – REFER TO ARCHITECTURAL DRAWINGS
4) REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS
5) REFER TO SPECIFICATIONS FOR ENGINEERED FILL & DE–WATERING REQUIREMENTS



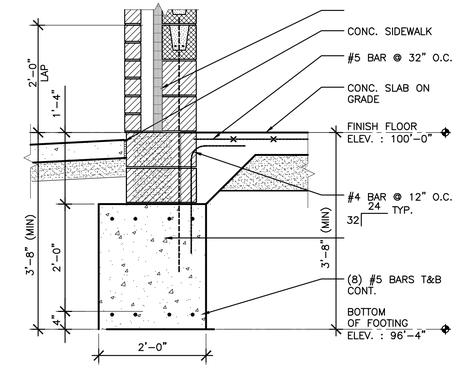
5 / S1.0 **THICKENED SLAB**

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



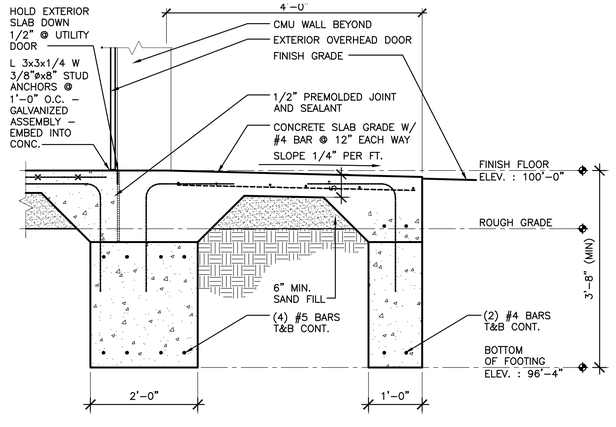
6 / S1.0 **TURN DOWN SLAB**

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



4 / S1.0 **TRENCH FOOTING**

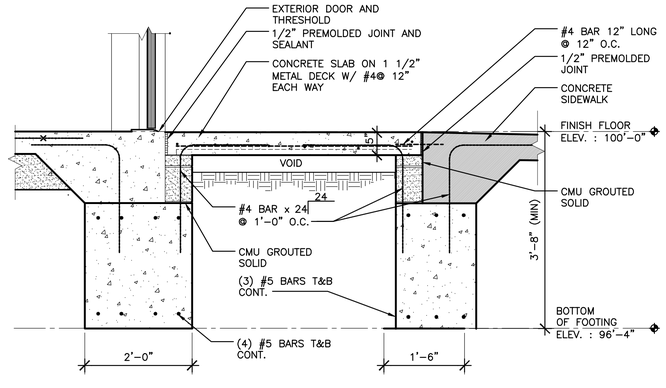
SCALE: 3/4" = 1'-0"



3 / S1.0 **APRON SLAB DETAIL**

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

NOTE:
REFER TO DETAIL 4/S1.0 FOR TYPICAL FOUNDATION NOTES.



2 / S1.0 **SUPPORTED SLAB DETAIL**

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

NOTE:
REFER TO DETAIL 4/S1.0 FOR TYPICAL FOUNDATION NOTES.

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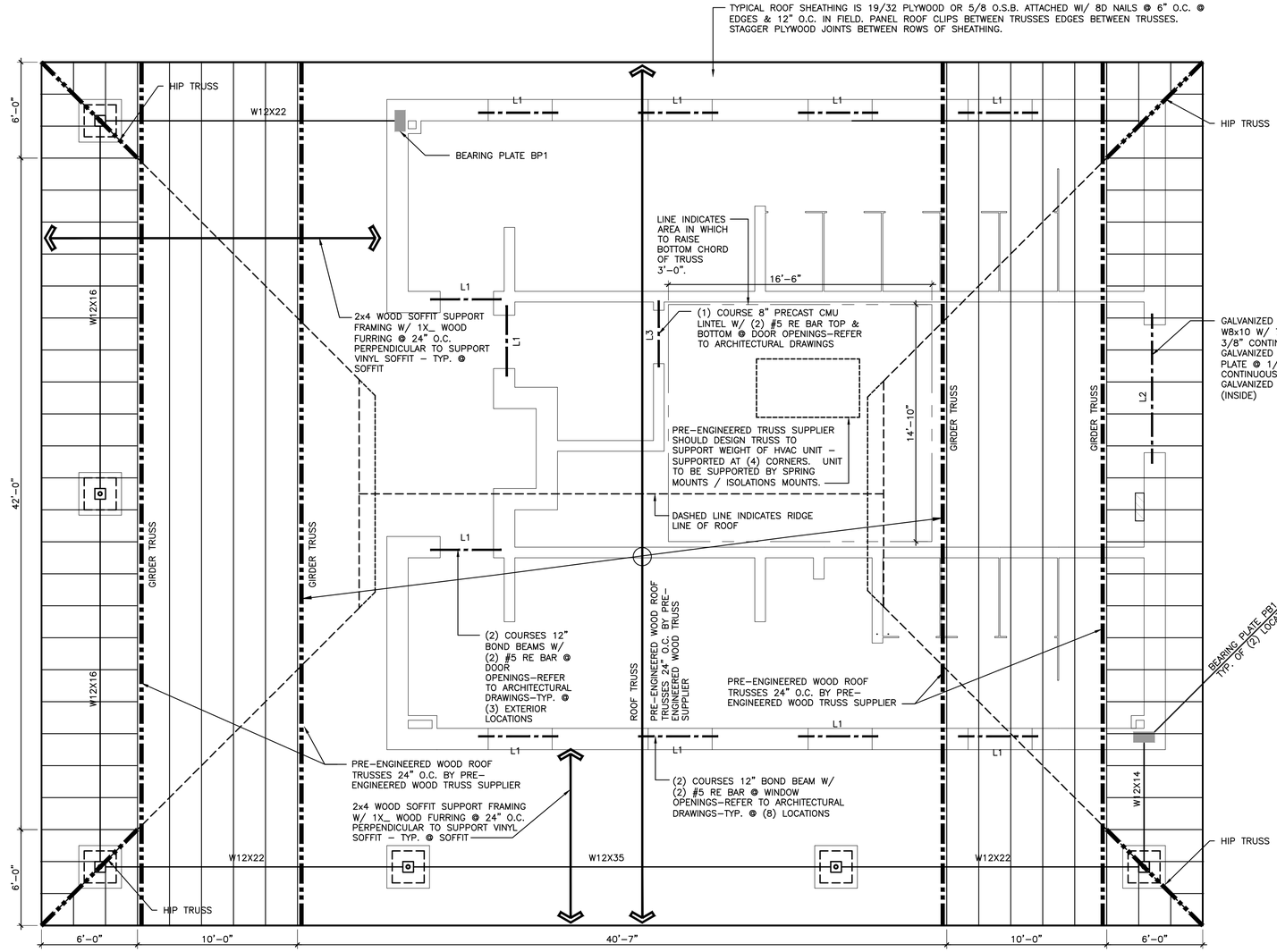
FOUNDATION PLAN

Sheet Number: S1.0



1 / S2.0 NORTH

FRAMING PLAN

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

STRUCTURAL NOTES:
1) STRUCTURAL DESIGN OF WOOD TRUSSES BY TRUSS MANUFACTURER. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MICHIGAN.
2) DESIGN FOR DEAD LOAD OF ROOFING MATERIALS PLUS A LIVE LOAD OF 20 PSF.
3) PROVIDE LATERAL TRUSS BRACING AS REQUIRED.

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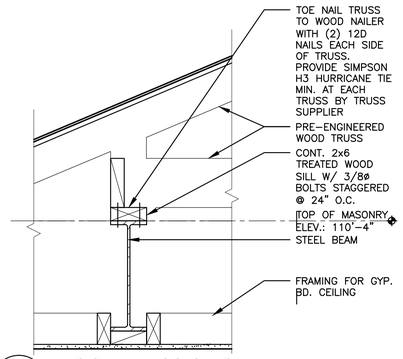
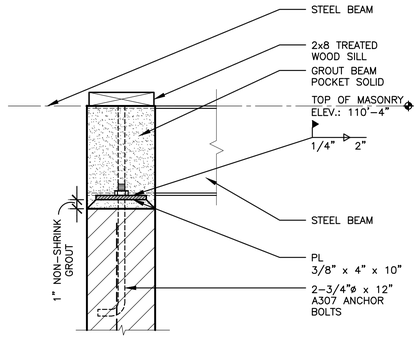
Sheet Title:
FRAMING PLAN

Sheet Number: S2.0



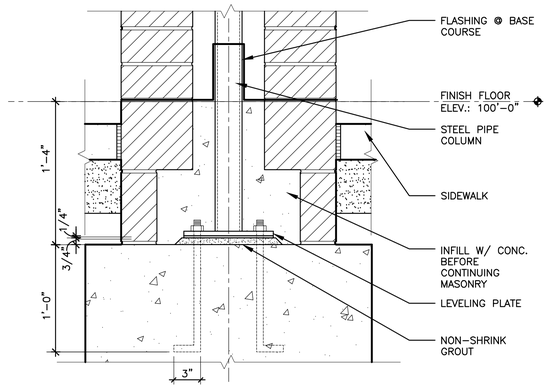
5 S3.0 WOOD TRUSS ON STEEL BEAM

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



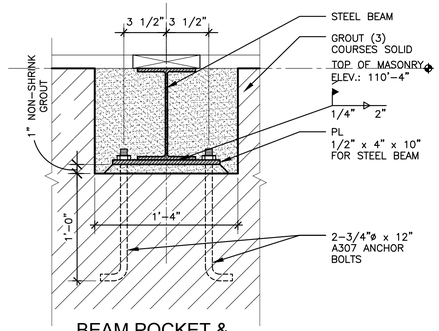
1 S3.0 BEAM POCKET DETAIL

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



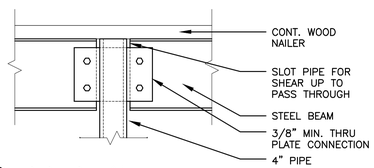
6 S3.0 TYP. BASE PLATE

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



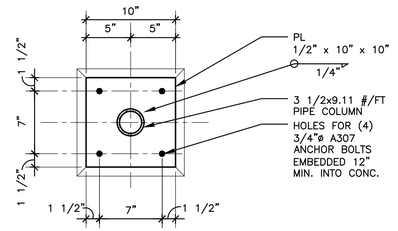
2 S3.0 BEAM POCKET & BEARING PLATE @ PB1

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



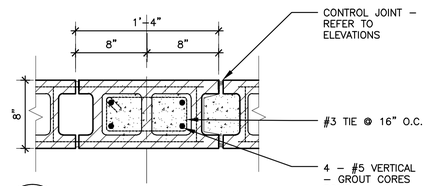
7 S3.0 PIPE DETAIL

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



3 S3.0 TYP. BASE PLATE

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



4 S3.0 CONTROL JOINT DETAIL

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

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Sheet Title:
STRUCTURAL DETAILS

Sheet Number: S3.0

WOOD

1. WOOD CONSTRUCTION SHALL BE PER AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARDS AND SPECIFICATIONS, AND NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AS PUBLISHED BY NATIONAL FOREST PRODUCTS ASSOCIATION.
2. ALL LUMBER FRAMING MEMBERS ARE TO HAVE THE FOLLOWING MINIMUM BASE DESIGN VALUES IN ACCORDANCE WITH THE LATEST ISSUE OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA):

   Fb = 850 P.S.I.
   fv = 150 P.S.I.
   E = 1,300,000 P.S.I.
   NO. 2 OR BETTER
3. PLYWOOD TO BE CONTINUOUS OVER TWO (2) OR MORE SPANS AND FACE GRAIN PERPENDICULAR TO SUPPORT.
   PLYWOOD OR ORIENTED STRAND BOARD FOR ROOF: 5/8" (32/16) 5 PLY STANDARD GRADE. SEE ARCHITECTURAL DRAWINGS FOR EXPOSED OVERHANGS AND CEILINGS.
4. PLYWOOD OR ORIENTED STRAND BOARD FOR FLOORS: 3/4" TONGUE AND GROOVE, U.N.O.
5. HANGERS, STRAPS, CLIPS AND HOLDOWNS SHALL BE MANUFACTURED BY THE "SIMPSON MANUFACTURING COMPANY".
6. PROVIDE DOUBLE CRIPPLE STUD AT EACH END OF WOOD HEADERS, TYPICAL, UNLESS NOTED OTHERWISE.
7. TIMBER SUPPLIER SHALL BE A MEMBER OF AITC. TIMBER CONNECTIONS TO BE DESIGNED AND DETAILED BY TIMBER SUPPLIER, WITH FABRICATION BY STEEL FABRICATOR.
8. UNLESS OTHERWISE NOTED, PROVIDE 2-2X8 HEADER FOR OPENINGS IN STUD WALLS FOR SPANS UP TO 3'-0 MAXIMUM.
9. TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WITH DESIGN LOADS, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MICHIGAN. TRUSS MANUFACTURER SHALL VERIFY WITH ARCHITECT AND MECHANICAL CONTRACTOR SIZE, LOCATION & SUPPORT OF MECHANICAL UNITS. TRUSS FRAMING AND TRUSS TO TRUSS CONNECTIONS ARE TO BE DESIGNED BY TRUSS MANUFACTURER FOR ALL REQUIRED LOADS. SHOP DRAWINGS NOT SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN WILL BE REJECTED. SEE MECHANICAL DRAWINGS FOR MECHANICAL LOADS AT ROOF AND FLOOR TRUSSES. TRUSS SUPPLIER TO DESIGN TRUSSES FOR SUPPORT OF ALL MECH. UNITS, PIPING, FIRE SUPPRESSION LINES, AND ALL UTILITIES. COORDINATE ADDITIONAL LOADING AND PIPE SUPPORT/UTILITY LOCATIONS WITH MECH. CONTRACTOR
10. DESIGN OF THE LUMBER AND CONNECTOR PLATES FOR TRUSSES SHALL BE IN ACCORDANCE WITH LATEST TRUSS PLATE INSTITUTE (TPI) REQUIREMENTS.
11. THE TRUSS SUPPLIER SHALL DESIGN AND DETAIL ALL REQUIRED BRIDGING, BRACING AND SUPPLEMENTAL MATERIAL TO PROVIDE A COMPLETE SYSTEM FOR THE LOADS AND PERFORMANCE REQUIREMENTS NOTED.
12. TRUSSES: SHALL BE MANUFACTURED BY AN ACCEPTABLE TRUSS MANUFACTURER, RECOGNIZED BY THE GOVERNING BUILDING CODE. TRUSS MANUFACTURER SHALL SUPPLY ALL HANGERS, PLATES, BLOCKS, CLIPS, BRIDGING AND OTHER ITEMS RELATIVE TO THEIR UNITS. DESIGN CRITERIA ARE AS FOLLOWS:

    ROOF TRUSS (PITCHED 4:12 AND GREATER):

TC	LL	=	25	PSF
	DL	=	10	PSF
BC	DL	=	10	PSF
	TL	=	45	PSF
13. TRUSS TOP CHORD MUST BE BRACED WITH ROOF SHEATHING OR CONTINUOUS LATERAL BRACING AT 3 -0" O.C. BOTTOM CHORD MUST BE BRACED WITH A RIGID CEILING OR CONTINUOUS BRACING AT 10'-0" O.C. PLYWOOD SHEATHING SHALL BE NAILED OR SCREWED TO TRUSS MEMBERS AT 6" O.C. MAXIMUM SPACING.
14. ALL FLOOR AND ROOF TRUSSES PARALLEL TO AND OVER SHEARWALLS SHALL BE DESIGNED TO HORIZONTALLY TRANSFER THE LATERAL LOADS TO THE SHEARWALL BELOW. SUPPLY HORIZONTAL LOAD ON ONE FACE OF TRUSS.
15. GIRDER TRUSSES SHALL BE DESIGNED TO SUPPORT ALL LOADS FROM THEIR TRIBUTARY AREA.
16. ALL FABRICATION SHOPS SHALL BE APPROVED BY THE BUILDING DEPARTMENT AND ENGINEER PRIOR TO ANY WORK BEING PERFORMED. SUBMIT ALL CERTIFICATIONS AND DOCUMENTATION FOR THEIR REVIEW. WOOD TRUSS DOCUMENTS SUBMITTED BY THE WOOD TRUSS SUPPLIER IS A "DEFERRED SUBMITTAL" PER SECTION 107.3.4.1 OF THE MBC 2012
17. TRUSSES SHALL BE INSTALLED PER THE LATEST TPI BCSI REQUIREMENTS.
18. POWDER-DRIVEN FASTENERS (P.D.F.) SHALL HAVE MINIMUM SHANK DIAMETER OF 3/16" AND A MINIMUM EMBEDMENT OF 1-1/4". SPACING IS AS NOTED ON THE PLANS. POWDER-DRIVEN FASTENERS SHALL BE AS MANUFACTURED BY "HILTI", "RAMSET", "REDHEAD" OR AN APPROVED EQUAL.

NAILING SCHEDULE

IF NAILING IS NOT NOTED OR SHOWN ON THE PLANS, SHEARWALL SCHEDULE OR DETAILS, NAILING SCHEDULE IS AS FOLLOWS :

SCHEDULE IS BASED ON WIRE GAGE NAILS

CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOE NAIL	(3) 8d
2. CONTINUOUS RIM JOIST TO DOUBLE TOP PLATES	16d @ 8" O.C.
	TOE NAILED OR PER "SW" SCHEDULE
3. BRIDGING TO JOIST, TOENAIL EACH END	(2) 8d
4. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 16" O.C.
5. TOP PLATE TO STUD, END NAIL	(2) 16d
6. STUD TO SOLE PLATE	(4) 8d, TOE NAIL OR (2) 16d , END NAIL
7. DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
8. DOUBLED TOP PLATE, FACE NAIL	16d @ 16" O.C.
9. TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	(2) 16d
10. CONTINUOUS HEADER, TWO PIECES	16d @16" O.C. STAGGERED ALONG EDGE
11. CEILING JOISTS TO PLATE, TOE NAIL	(3) 8d
12. CONTINUOUS HEADER TO STUD, TOE NAIL	(4) 8d
13. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
14. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
15. RAFTER TO PLATE, TOE NAIL	(3) 8d
16. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	(2) 8d
17. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	(2) 8d
18. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	(3) 8d
19. BUILT-UP CORNER STUDS	16d @ 24" O.C.
20. SHEATHING : FLOOR SHEATHING TO FRAMING : 10d NAILS @ 6" O.C. AT EDGES AND @ 12" O.C. AT INTERMEDIATE SUPPORTS. USE RING SHANK NAILS	
WALL SHEATHING TO FRAMING ; SEE SHEARWALL SCHEDULE PROVIDE MINIMUM 8d NAILS 6" O.C. AT EDGES AND 12"O.C. AT INTERMEDIATE SUPPORTS	
ROOF SHEATHING TO FRAMING ; 8d NAILS @ 6" O.C. AT EDGES AND @ 12" AT INTERMEDIATE SUPPORT U.N.O.	
NOTE : COMMON NAILS ARE REQUIRED FOR SHEAR WALLS INCLUDING PLATE NAILING, TIEDOWNS, HANGERS AND LEDGERS	
BOX NAILS REQUIRED 1/3 MORE NAILS THAN LISTED ABOVE. CEMENT COATED SINKERS ARE CONSIDERED BOX NAILS	

STRUCTURAL STEEL

1. STEEL DESIGN, FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH THE LATEST A.I.S.C. MANUAL AND SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS. ALL WIDE FLANGE BEAMS AND COLUMNS SHALL CONFORM TO THE LATEST ASTM. SERIAL DESIGNATION A992, GR50; ALL MISCELLANEOUS STEEL PLATES, BARS, ANGLES, ETC., SHALL CONFORM TO ASTM A36; STEEL TUBING TO BE ASTM A500, GRADE B; STEEL PIPE ASTM. A-53, GRADE B.
2. UNLESS OTHERWISE NOTED OR SHOWN, ALL BEAM CONNECTIONS TO HSS 5 X 5 OR SMALLER COLUMN,5"ø OR SMALLER COLUMN, OR ANY TUBE COLUMN REGARDLESS OF SIZE WITH A WALL THICKNESS LESS THAN 5/16" SHALL BE MADE WITH THRU PLATES WELDED TO BOTH WALLS OF COLUMN.
3. ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH THE LATEST AWS CODE, E70XX ELECTRODES, WITH WELDING PERFORMED BY QUALIFIED WELDERS.
4. BOLTED CONNECTIONS SHALL BE MADE WITH A-325 OR A-490 BOLTS. ALL BOLTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS FOR "STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS." TYPICAL BOLTED CONNECTIONS ARE "BEARING TYPE" UNLESS NOTED OTHERWISE.
5. DESIGN CONNECTIONS FOR MINIMUM ONE-HALF THE TOTAL ALLOWABLE UNIFORM LOAD PER A.I.S.C. BEAM LOAD TABLES, UNLESS OTHERWISE NOTED. (MIN. 2 BOLTS EACH CONNECTION).
6. SINGLE PLATE SHEAR CONNECTIONS ARE ACCEPTABLE ONLY FOR BEAM TO GIRDER AND SKEWED CONNECTIONS LESS THAN 30 KPS. SHEAR PLATE OR SINGLE SHEAR ANGLES SHALL BE WELDED TO TOP FLANGE OF SUPPORTING GIRDERS.
7. THE DESIGN, CONFIGURATION & ERECTION SAFETY OF ALL STRUCTURAL STEEL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE STRUCTURAL STEEL FABRICATOR. REVIEW AND ACCEPTANCE OF THE SHOP DRAWINGS BY THE ENGINEER SHALL CONSTITUTE APPROVAL OF THE LOAD CARRYING ADEQUACY ONLY.
8. TYPE OF CONSTRUCTION PER ASCE A2.2 IS TYPE 2 "SIMPLE FRAMING" UNLESS NOTED OTHERWISE.
9. TEMPORARY ERECTION SEATS SHALL BE PROVIDED AS RECOMMENDED ON PAGE 3-59 OF THE A.I.S.C. PUBLICATION "ENGINEERING FOR STEEL CONSTRUCTION".
10. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL ANGLES, PLATES, BARS, CLIPS, ETC., ATTACHED TO STRUCTURAL STEEL.
11. THIS STEEL FRAME IS NON SELF-SUPPORTING PER A.I.S.C. CODE OF STANDARD PRACTICE, SECTIONS 7.9.3. AND 7.9.5. ERECTION, BRACING, SHORING, ETC. SHALL CONFORM TO THESE SECTIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE.
12. THE CONTRACTOR SHALL FURNISH ALL ACCESSORIES INCLUDING CLOSURES, "Z" CLOSURES, COLUMN CLOSURES, SCREED ANGLES AND GIRDER FILLERS AS REQUIRED.
13. MASONRY AND BRICK LINTELS SHALL BE GALVANIZED G90 PER ASTM A123.
14. PROVIDE L4X4X1/4 SEATS AT COLUMN WEBS WHERE REQUIRED FOR SUPPORT OF ROOF AND FLOOR DECKS. PROVIDE ANGLE OUTRIGGER FROM EXTERIOR COLUMNS FOR SLAB AND ROOF EDGE PLATE SUPPORT.
15. ALL BOLTED MOMENT CONNECTIONS REQUIRE SLIP CRITICAL BOLTS.

CONCRETE

1. MINIMUM CONCRETE STRENGTH TO BE 3000 P.S.I. @ 28 DAYS, U.O.N.; SLABS SHALL BE 3500 P.S.I. MIN. U.O.N. EXPOSED CONCRETE SHALL BE 4000 PSI WITH 6% + 1% ENTRAINED AIR U.O.N.
2. FLYASH OR GROUND GRANULATED BLAST FURNACE SLAG MAY BE SUBSTITUTED UP TO 25% MAXIMUM OF MIX DESIGN CEMENT CONTENT IN NON-EXPOSED CONCRETE MIXES. DO NOT USE IN EXPOSED MIX DESIGNS.
3. ALL CONCRETE WORK AND PLACEMENT SHALL CONFORM TO THE LATEST RECOMMENDATIONS OF A.C.I.
4. ALL REINFORCING BARS, DOWELS AND TIES SHALL CONFORM TO A.S.T.M. A615 GRADE 60. REINFORCING STEEL SHALL BE CONTINUOUS AND SHALL HAVE MINIMUM 36 BAR DIAMETER LAP AND BE FABRICATED AND PLACED IN ACCORDANCE WITH A.C.I. - 315 LATEST EDITION.
5. REINFORCED CONCRETE WALL FOOTINGS SHALL HAVE CORNER BARS AT ALL INTERSECTIONS OF THE SAME SIZE AND SPACING AS THE MAIN HORIZONTAL REINFORCING.
6. WHERE SLAB REINFORCING RUNS PARALLEL TO A SUPPORTING BEAM, GIRDER SPANDREL, OR WALL, PROVIDE #4 @ 12" O.C. IN TOP OF SLAB AT RIGHT ANGLES TO MAIN REINFORCING. HOOK BARS AT EXTERIOR WALLS OR SPANDRELS.
7. ALL SLABS ON GROUND SHALL BE 4" THICK AND HAVE 6" X 6" W1.4 X W1.4 WELDED WIRE FABRIC IN THE TOP 1/3 OF THE SLAB, UNLESS OTHERWISE NOTED.
8. CONCRETE CONTRACTOR SHALL INCLUDE IN HIS COST ADDITIONAL CONCRETE QUANTITY AS REQUIRED TO COMPENSATE FOR DEFLECTIONS OF METAL DECK AND UNSHORED COMPOSITE BEAMS AND TO PROVIDE A LEVEL CONCRETE SURFACE.
9. FIELD AND SHOP TESTING OF CONCRETE WORK SHALL INCLUDE INSPECTION OF REINFORCING STEEL PLACEMENT, REBARS, NUMBER, LOCATION, AND LAP SPLICE LENGTH.
10. PROVIDE DOWELS INTO FOUNDATION TO MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT AT ALL COLUMNS AND WALLS, UNLESS OTHERWISE NOTED.
11. UNLESS OTHERWISE SHOWN, PROVIDE THE FOLLOWING COVER FOR REINFORCING STEEL:
    A. UNFORMED SURFACES IN CONTACT WITH EARTH -3 IN.
    B. UNFORMED SURFACES OVER MOISTURE BARRIERS -2 IN.
    C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER
       OR WATER PROOFING/DAMP PROOFING
       #6 OR LARGER -2 IN.
       #5 OR SMALLER -1 1/2 IN.
    D. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER
       SLABS AND WALLS -3/4 IN.
       COLUMNS -1 1/2 IN.
       BEAMS AND GIRDERS -1 1/2 IN.

GENERAL NOTES

GENERAL CONDITIONS

1. IF ANY GENERAL NOTE CONFLICTS WITH ANY DETAIL OR NOTE ON THE PLANS OR IN THE SPECIFICATIONS, THE STRICTEST PROVISION SHALL GOVERN.
2. THE STRUCTURAL DRAWINGS ARE FOR THE PLACEMENT AND SIZE OF STRUCTURAL COMPONENTS ONLY. O.S.H.A., LOCAL GOVERNMENT CODES AND SAFETY CODE REQUIREMENTS SHALL BE ADHERED TO BY THE CONTRACTOR.
3. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER IT IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES PROVIDING TEMPORARY BRACING, SHORING, GUYS OR TIE- DOWNS. THESE TEMPORARY SUPPORTS WILL REMAIN IN PLACE UNTIL ALL STRUCTURAL COMPONENTS ARE IN PLACE AND COMPLETED.
4. USE OF ENGINEERING DRAWINGS AS ERECTION DRAWINGS BY THE CONTRACTOR IS STRICTLY PROHIBITED. DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR BUILDING LAYOUT AND LOCATION. SEE ARCHITECTURAL DRAWINGS AND SITE PLAN FOR THESE PURPOSES.
5. THE CONTRACTOR SHALL CHECK SHOP DRAWINGS PRIOR TO SUBMITTAL AND IS SOLELY RESPONSIBLE FOR ERRORS & OMISSION IN THE PREPARATION OF SHOP DRAWINGS TO CONFORM TO THE DESIGN DRAWINGS. SUBMIT NO MORE THAN ONE REPRODUCIBLE AND TWO PRINTS OF SHOP DRAWINGS FOR ENGINEER REVIEW. TWO COPIES WILL BE RETURNED TO THE ARCHITECT.
6. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL RELEVANT DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATIONS AGAINST PURCHASED MANUFACTURER'S CERTIFIED EQUIPMENT DRAWINGS. DIMENSIONS THAT DEPEND UPON SPECIFIC EQUIPMENT SUCH AS ELEVATOR OPENINGS, MECHANICAL EQUIPMENT SUPPORTS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. SUCH DIMENSIONS SHALL BE PROVIDED ON THE SHOP DRAWINGS BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER.

FOUNDATIONS

1. FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL WITH A SAFE BEARING CAPACITY OF P.S.F. IF SOIL OF THIS CAPACITY IS NOT FOUND AT THE ELEVATIONS INDICATED, FOOTINGS SHALL BE ENLARGED OR LOWERED AT THE DIRECTION OF THE ARCHITECT. VERIFY FOUNDATION SOIL BEARING PRESSURE IN FIELD BY SOILS ENGINEER.
2. WHERE NEW FOOTINGS ABUT EXISTING FOUNDATIONS, CAREFULLY HAND EXCAVATE AND PLACE BOTTOM OF NEW FOOTING AT THE SAME ELEVATION AS THE EXISTING.
3. PROVIDE NECESSARY SHEETING SHORING BRACING, ETC. AS REQUIRED DURING EXCAVATIONS TO PROTECT SIDES OF EXCAVATIONS.
4. COMPLY FULLY WITH REQUIREMENTS OF OSHA AND OTHER REGULATORY AGENCIES FOR SAFETY PROVISIONS.

MASONRY

1. THE MASONRY PORTIONS OF THIS STRUCTURE ARE DESIGNED ACCORDING TO THE LATEST ALLOWABLE STRESS DESIGN PROVISIONS OF THE MASONRY STANDARDS JOINT COMMITTEE (MSJC) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 602) INCLUDING SECTIONS 2106 AND 2107 OF CHAPTER 21 IN THE MICHIGAN BUILDING CODE. MASONRY COMPONENTS HAVE BEEN DESIGNED ACCORDING TO THE PROVISIONS FOR SEISMIC DESIGN CATEGORY B.
2. ALL STRUCTURAL MASONRY IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MASONRY STANDARDS JOINT COMMITTEE (MSJC) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402/ACI 530/ASCE 5) AND SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602/ACI 530.1/ASCE 6) MASONRY SUBMITTALS ARE REQUIRED BY ACI 530.1/ASCE 6/TMS 602. SECTION 1.5 MASONRY TESTING AND INSPECTIONS ARE REQUIRED BY ACI 530.1/ASCE 6/TMS 602 SECTION 1.6, TABLE 5.
3. ALL STRUCTURAL MASONRY HAS BEEN ENGINEERED IN ACCORDANCE WITH CHAPTER 2 ALLOWABLE STRENGTH DESIGN. COMPRESSION STRENGTH SHALL BE DETERMINED ACCORDING TO THE UNIT STRENGTH METHOD FOR CONCRETE MASONRY MSJC SECTION 1.4. B.2.b.
4. ALL BLOCK SHALL CONFORM TO ASTM C90, TYPE I, WITH A MINIMUM UNIT NET AREA COMPRESSIVE STRENGTH OF 2800 PSI.
5. MASONRY COMPRESSIVE STRENGTH f'm = 2000 PSI MINIMUM.
6. MORTAR SHALL BE TYPE "S" (1800 PSI) CONFORMING TO ASTM C-270. USE MORTAR CEMENT WHERE EXTERIOR WALLS ARE UNREINFORCED.
7. PROVIDE HORIZONTAL WIRE TYPE REINFORCING WITH 9 GAUGE SIDE AND CROSS MEMBERS IN EVERY SECOND COURSE (16" O.C.), IN ALL MASONRY WALLS. WALLS WITH VERTICAL REINFORCING SHALL ONLY HAVE "LADDER" TYPE REINFORCING.
8. ALL REINFORCING BARS, DOWELS AND TIES SHALL CONFORM TO A.S.T.M. A615 GRADE 60. REINFORCING STEEL SHALL BE CONTINUOUS, FABRICATED AND PLACED IN ACCORDANCE WITH A.C.I. - 315 LATEST EDITION AND HAVE THE FOLLOWING MINIMUM LAP LENGTHS:

BAR SIZE	8" CMU	12" CMU
#3	18"	18"
#4	24"	24"
#5	30"	30"
#6	38"	36"
#7		42"
#8		50"
9. ALL MASONRY BEARING STEEL BEAMS AND LINTELS TO BEAR 8" MINIMUM ON 3 COURSES SOLID MASONRY, WITH 2-3/4" DIAMETER BOLTS EACH END, UNLESS OTHERWISE NOTED.
10. UNLESS OTHERWISE NOTED WHERE STEEL JOISTS BEAR ON MASONRY, PROVIDE A MINIMUM OF ONE COURSE OF SOLID BLOCK BELOW K-SERIES JOISTS AND A MINIMUM OF TWO COURSES SOLID BELOW LH SERIES JOISTS.
11. ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID.
12. MASONRY GROUT SHALL CONFORM TO ASTM C 476, WITH PEA GRAVEL AGGREGATE AND A MINIMUM STRENGTH OF 2000 PSI, BUT NOT LESS THAN SPECIFIED f'm.
13. UNLESS OTHERWISE NOTED, AT ALL MASONRY WALLS PROVIDE THE FOLLOWING LINTELS:

    8" WALLS
    (2) L4x3 1/2 x 5/16 LLV FOR OPENINGS UP TO 4'-0"
    (2) L5x3 1/2 x 5/16 LLV FOR OPENINGS UP TO 5'-4"
    W8x18 + 3/8" PLATE FOR OPENINGS UP TO 8'-0"
    W8x28 + 3/8" PLATE FOR OPENINGS UP TO 12'-4"

    12" WALLS:
    (3) L4x3- 1/2 x 5/16 LLV FOR OPENINGS UP TO 4'-0"
    (3) L5x3-1/2 x 5/16 LLV FOR OPENINGS UP TO 5'-4"
    W8x18 + 3/8" PLATE FOR OPENINGS UP TO 8'-0"
    W8x28 + 3/8" PLATE FOR OPENINGS UP TO 12'-4"
14. ALL DOUBLE ANGLE LINTELS SHALL BE WELDED BACK TO BACK WITH A MINIMUM 2 INCH STITCH WELD EVERY 8 INCHES.
15. UNLESS OTHERWISE NOTED, PROVIDE L5 X 3-1/2 X 5/16 L.L.V. LINTEL FOR EACH 4" OF MASONRY FOR SPANS UP TO 5'-0" MAX.
16. PROVIDE DOWELS INTO FOUNDATION TO MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT AT ALL COLUMNS AND WALLS, UNLESS OTHERWISE NOTED.

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TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	MBC REFERENCED
1. INSPECTION OF REINFORCING STEEL INCLUDING PRESTRESSING TENDONS AND PLACEMENT.	–	X	–	ACI 318: 3.5, 7.1–7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3 ITEM 5b	–	–	–	AWS D1.4 ACI 318: 3.5.2	–
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	–	–	ACI 318 8.13,2128	1911.5 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	–	X	–	ACI 318 3.8.6,8.1.3,21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	–	X	–	ACI 318: CH.4,5.2–5.4	1904.2.2, 1913.2,1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	–	–	ASTM C 172 ASTM C 31 ACI 318: 5.6,5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	–	–	ACI 318: 5.9,5.10	1913.6, 1913.7,1913.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	–	X	–	ACI 318: 5.11–5.13	1913.9
9. INSPECTION OF PRESTRESSED CONCRETE a. APPLICATION OF PRESTRESSING FORCES b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE RESISTING SYSTEM..	X X	–	–	ACI 318: 18.20 ACI 318: 18.18.4	–
10. ERECTION OF PRECAST CONCRETE MEMBERS.	–	X	–	ACI 318: CH.16	–
11. VERIFICATION OF IN–SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS BEAMS AND STRUCTURAL SLABS.	–	X	–	ACI 318: 6.2	–
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	–	X	–	ACI 318: 6.1.1	–

TABLE 1704.5.1
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION			REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	NOT APPLICABLE	IBC SECTION	TMS 402/ACI 530/ASCE 5	TMS 602/ACI 530.1/ASCE 6
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	–	X	–	–	–	ART. 1.5
2. VERIFICATION OF f'_m AND f'_{mw} PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	–	X	–	–	–	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF–CONSOLIDATING GROUT.	X	–	–	–	–	ART. 1.5B.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:						
a. PROPORTIONS OF SITE–PREPARED MORTAR.	–	X	–	–	–	ART. 2.6A
b. CONSTRUCTION OF MORTAR JOINTS.	–	X	–	–	–	ART. 3.3B
c. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	–	X	–	–	–	ART. 3.4, 3.6A
d. PRESTRESSING TECHNIQUE.	–	X	–	–	–	ART. 3.6B
e. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	–	X	–	–	–	ART. 2.4B, 2.4H
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:						
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	–	X	–	–	–	ART. 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	–	X	–	–	SEC. 1.2.2(e), 1.16.1	–
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	–	X	–	–	SEC. 1.15	ART. 2.4, 3.4
d. WELDING OF REINFORCING BARS.	X	–	–	–	SEC. 2.1.9.7.2, 3.3.3.4(b)	–
e. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	–	X	–	SEC. 2104.3, 2104.4	–	ART. 1.8C 1.8D
f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	X	–	–	–	–	ART. 3.6B
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:						
a. GROUT SPACE IS CLEAN.	–	X	–	–	–	ART. 3.2D
b. PLACEMENT OF REINFORCEMENT AND CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	–	X	–	–	SEC. 1.13	ART. 3.4
C. PROPORTIONS OF SITE–PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	–	X	–	–	–	ART. 2.6B
d. CONSTRUCTION OF MORTAR JOINTS.	–	X	–	–	–	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	–	–	–	–	ART. 3.5
a. GROUTING OF PRESTRESSING BONDED TENDONS.	X	–	–	–	–	ART. 3.6C
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	–	X	–	SEC. 2105.2.2 2105.3	–	ART. 1.4

SPECIAL INSPECTION

1. WORK CONSTRUCTED SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. INSPECTIONS REQUIRED BY CHAPTER 17 OF THE MICHIGAN BUILDING CODE; LOCAL BUILDING DEPARTMENTS AND THE CONTRACT DOCUMENTS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY. SITE VISITS BY THE DESIGN ENGINEER DO NOT CONSTITUTE OR REPLACE INSPECTION

2. THE FOLLOWING ITEMS SHALL BE INSPECTED IN ACCORDANCE WITH MBC 2012 SEC. 1704 BY A CERTIFIED SPECIAL INSPECTOR UNLESS NOTED OTHERWISE IN REMARKS COLUMN. ALL INSPECTION SHALL BE CONTINUOUS UNLESS OTHERWISE NOTED. ALL PRODUCTS WITH ICC APPROVALS SHALL BE INSTALLED PER THE APPROVAL AND PER MANUFACTURER'S RECOMMENDATIONS. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT.

FABRICATOR'S SHOP (SEC. 1704.2) *

WOOD TRUSSES
STEEL FABRICATION

*SPECIAL INSPECTION IS NOT REQUIRED FOR FABRICATOR SHOP IF CERTIFICATE OF APPROVAL SUBMITTED BY FABRICATOR'S INSPECTION AGENCY PER 1704.2.1 EXCEPTION AND 1704.2.2

TABLE 1704.3
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	MBC REFERENCED
1. MATERIAL VERIFICATION OF HIGH–STRENGHT BOLTS, NUTS AND WASHERS:					
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	–	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	X	–	–	–
2. INSPECTION OF HIGH–STRENGTH BOLTING:					
a. SNUG–TIGHT JOINTS.	–	X	–	AISC 360, SECTION M2.5	1704.3.3
b. PRETENSIONED AND SLIP–CRITICAL JOINTS USING TURN–OF–NUT WITH MATCHMARKING, TWIST–OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	–	X	–		
c. PRETENSIONED AND SLIP–CRITICAL JOINTS USING TURN–OF–NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	–	–		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD–FORMED STEEL DECK:					
a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	–	X	–	AISC 360, SECTION M5.5	
b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	–	APPLICABLE ASTM MATERIAL STANDARDS	
c. MANUFACTURER'S CERTIFIED TEST REPORTS.	–	X	–		
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:					
a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	–	AISC 360, SECTION A3.5 AND APPLICABLE AWS AS DOCUMENTS	–
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	X	–	–	–
5. INSPECTION OF WELDING:					
a. STRUCTURAL STEEL AND COLD–FORMED STEEL DECK:					
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	–	–	AWS D1.1	1704.3.1
2) MULTIPASS FILLET WELDS.	X	–	–		
3) SINGLE–PASS FILLET WELDS > 5/16"	X	–	–		
4) PLUG AND SLOT WELDS.	X	–	–		
5) SINGLE–PASS FILLET WELDS ≤ 5/16"	–	X	–		
6) FLOOR AND ROOF DECK WELDS.	–	X	–	AWS D1.3	
b. REINFORCING STEEL:					
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	–	X	–	AWS D1.4 ACI 318: SECTION 3.5.2	–
2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	–	–		
3) SHEAR REINFORCEMENT.	X	–	–		
4) OTHER REINFORCING STEEL.	–	X	–		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:					
a. DETAILS SUCH AS BRACING AND STIFFENING.	–	X	–	–	1704.3.2
b. MEMBER LOCATIONS.	–	X	–		
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	–	X	–		

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Client:
CITY OF DEARBORN

DEARBORN MICHIGAN

Project Title:
FORD FIELD
COMFORT STATION

Date: Issued for:
04-25-2016 BIDS & PERMITS
02-27-2017 BIDS & PERMITS

Drawn: DE Designed: DE
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Project Number:
215062.01

Sheet Title:
STRUCTURAL
GENERAL NOTES

Sheet Number:
S4.1

TABLE 1704.7
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	NOT APPLICABLE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	–	X	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	–	X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	–	X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	–	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	–	X	

WOOD CONSTRUCTION 1704.6

1. PRE-FABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES (1704.6)
2. WOOD CONSTRUCTION FABRICATION OR HIGH-LOAD DIAPHRAGMS (1704.6)

DESIGN CRITERIA		
CODE: MBC 2012 THE STRUCTURE IS DESIGNED FOR THE FOLLOWING LIVE LOADS, IN ADDITION TO THE LATERAL LOADS, SUPER-IMPOSED DEAD LOADS, & SELF WEIGHT OF THE STRUCTURE. WHERE APPLICABLE LIVE LOADS ARE REDUCED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE. A. AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI-318). B. MANUAL OF STEEL CONSTRUCTION BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION (LATEST EDITION). C. LATEST MASONRY STANDARDS JOINT COMMITTEE (MSJC) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402/ACI 530/ASCE 5) AND SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602/ACI 530.1/ASCE 6) D. AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARDS AND SPECIFICATIONS. E. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AS PUBLISHED BY AMERICAN FOREST AND PAPER ASSOCIATION.		
		CODE REFERENCE
BUILDING OCCUPANCY CATEGORY	II	MBC-Table 1604.5 ASCE Table 1.5-1

SNOW LOADS/ROOF LIVE LOADS		
SNOW CRITERIA		CODE REFERENCE
GROUND SNOW LOAD	Pg = 25 PSF	MBC FIG. 1608.2 ASCE Fig. 7-1
FLAT ROOF SNOW LOAD	Pf = 20 PSF (MINIMUM)	ASCE Sec. 7.3
EXPOSURE FACTOR	Ce = 1.0	ASCE Table 7-2
IMPORTANCE FACTOR	I = 1.0	ASCE Table 1.5-2
THERMAL FACTOR	Ct = 1.0	ASCE Table 7-3
ROOF LIVE LOADS	Lr = 20 PSF	ASCE Table 4-1
NOTE: SNOW LOADS ADJACENT VERTICAL PROJECTIONS, ON LOWER ROOFS, ADJACENT TO HIGH ROOFS, OR SLOPED ROOFS ARE INCREASED FOR THE EFFECT OR DRIFTING		

WIND LOADS		
WIND CRITERIA		CODE REFERENCE
BASIC WIND SPEED (3 SEC. GUST)	V = 115 MPH	ASCE FIG. 26.5-1A, 26.5-1B, 26.5-1C
RISK FACTOR	II	ASCE Table 1.5-1
EXPOSURE CATEGORY	B	ASCE Sec. 26.7.3
INTERNAL PRESSURE COEFFICIENT	± 0.18 (ENCLOSED)	ASCE TABLE 26.11-1
MWFRS ANALYSIS PROCEDURE	DIRECTIONAL PROCEDURE	ASCE CHAP. 27
COMPONENTS AND CLADDING	± 33 PSF MINIMUM AND PER CODE REQUIREMENTS BASED ON ABOVE INFORMATION	ASCE Sec. 30.2.2

SEISMIC LOADS		
SEISMIC CRITERIA		CODE REFERENCE
SEISMIC IMPORTANCE FACTOR	I = 1.0	ASCE Table 1.5-2
-0.2 SEC MAPPED SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING) Ss	Ss = .0953	ASCE Sec. 11.4
-1.0 SEC MAPPED SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING) S_1	S_1 = .0469	ASCE Sec. 11.4
SOIL SITE CLASS	D	ASCE Sec. 11.4.2
SEISMIC DESIGN CATEGORY	B	ASCE Sec. 11.6
SEISMIC FORCE RESISTING SYSTEM	INTERMEDIATE REINFORCED MASONRY SHEAR WALLS	ASCE Table 12.2-1
RESPONSE MODIFICATION FACTOR	R = 3.5	ASCE Table 12.2-1
DEFLECTION AMPLIFICATION FACTOR	Cd = 2.25	ASCE Table 12.2-1
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	ASCE Sec. 12.8

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STRUCTURAL
GENERAL NOTES

Sheet Number: S4.2

PLUMBING FIXTURE SCHEDULE

TAG	FUNCTION	CW	HW	WASTE	VENT	MANUFACTURER	REMARKS
WC-1	WATER CLOSET	1"	-	4"	2"	AMERICAN STANDARD MADERA FLOWISE	FLOOR MOUNTED, ELONGATED BOWL WITH TOP 1-1/2" TOP SPUD, 16-1/2" RIM HEIGHT, WHITE VITREOUS CHINA, ADA COMPLIANT. LOW CONSUMPTION WITH 1.1-1.6GPF SLOAN 110 ES-S FLUSHOMETER, WITH AMERICAN STANDARD 5901.100 TOILET SEAT. PROVIDE HERCULES #90214 WAX RING COMBO PACK.
UR-1	URINAL	3/4"	-	2"	2"	MANSFIELD CASCADE 410HE	WHITE VITREOUS CHINA, WALL MOUNTED WITH EXTENDED SIDES, 3/4" TOP SPUD, TWO CONCEALED HANGERS AND BOLTS, INTEGRAL TRAP. PROVIDE SLOAN MODEL OPTIMA SENSOR ACTIVATED FLUSHOMETER, MODEL 186-1 DFB ESS OR. URINAL SHALL BE ADA COMPLIANT.
LAV-1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	MANSFIELD 2018HBNS	WALL MOUNTED WHITE VITREOUS CHINA. ADA COMPLIANT. PROVIDE DOUBLE LEVER FAUCET WITH AERATOR, AMERICAN STANDARD COLONY SOFT 2275.500, ADA COMPLIANT. PROVIDE R19 VALVE STOPS WITH REMOVABLE BONNET, PERFORATED DRAIN STRAINER AND TRAP ASSEMBLY WITH PROTECTIVE PIPE COVERS EQUAL TO TRUEBRO 102. FAUCET TO BE CHROME FINISH, WITH RENEWABLE SEATS AND DISKS OR CARTRIDGE STYLE.
SS-1	SERVICE SINK (MOP SINK)	1/2"	1/2"	2"	1-1/2"	FIAT 63M	MUSTEE MODEL 63M, 24"X24"X10" DEEP, ONE-PIECE MOLDED DURASTONE STRUCTURAL FIBERGLASS, 3" PVC SCH.80 DRAIN SEAL INTGRALLY MOLDED, STAINLESS STEEL STRAINER, HOSE AND BRACKET (65.7), MOP HANGER (65.6). FAUCET: ZURN, MODEL Z843M1-RC, ROUGH CHROME PLATED WITH VACUUM BREAKER, 1/4 TURN CERAMIC DISC CARTRIDGES, INTEGRAL SERVICE STOPS WITH ADJUSTABLE CENTERS, 3/4" HOSE THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE.
EWC-1	ELECTRIC WATER COOLER	1-1/2"	-	1-1/2"	1-1/2"	ELKAY VRCTLDDWS	ADA, ELECTRIC WATER COOLER, STAINLESS STEEL CONSTRUCTION, INCLUDE VANDAL-RESISTANT BUBBLER, BOTTLE FILLING UNIT SHALL INCLUDE AN AUTOMATIC 20-SECOND SHUT-OFF TIMER, QUICK FILL RATE 1.5 GPM, LAMINAR FLOW, VANDAL-RESISTANT PUSHBUTTON ACTIVATION, REAL DRAIN SYSTEM. PROVIDE 1/4 TURN SHUT-OFF VALVE.
FD-1	FLOOR DRAIN		-	-	-	NEPTUNE	CONSTRUCTED OF LEAD FREE RILSAN NYLON-COATED DUCTILE IRON WHICH IS CHEMICAL AND CORROSION RESISTANT. RATED AT 150 PSI WORKING PRESSURE, STAINLESS STEEL STRAINER PLATE AND COVER BOLTS. INLINE SERVICEABILITY. PREVENTION OF DEBRI SUCH AS STONES OR PEBBLES GREATER THAN 3/16" IN DIAMETER FROM ENTERING OR DAMAGING WATER METER.
BFP-1	BACKFLOW PREVENTER	2"	-	-	-	ZURN WILKINS 375	REDUCED PRESSURE PRINCIPAL ASSEMBLY, ASSE LISTED 1013 AND IAMPO LISTED. REINFORCED NYLON HOUSING, SUPPLIED WITH CAST BRONZE BALL VALVES AND SILICONE SEAT DISC ELASTOMERS . 2" SIZE WITH A MAXIMUM WORKING WATER PRESSURE = 175 PSI, RATED TO 180 DEG. F MAXIMUM WORKING TEMPERATURE.
HB-1	HOSE BIBB	1/2"	-	-	-	WOODFORD MODEL 65	HOSE BIBB, SINGLE CHECK ANTI-SIPHON BACKFLOW PROTECTION, FREEZLESS, WITH 3/4" THREADED HOSE NOZZLE AND TEE KEY OPERATION.

DOMESTIC HOT WATER HEATER SCHEDULE

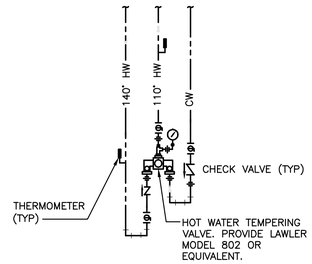
TAG	BASIS OF DESIGN	LOCATION	CAPACITY GAL.	GAS DATA		HEATING CAPACITY		ELECTRICAL	COMMENTS
				TYPE	INPUT CFH	RECOVERY GPH	TEMP RISE	VOLTS/PHASE	
WH-1	A.O. SMITH CYCLONE BTH-120A MXI	UTILITY RM	60	N. GAS	120	157	88	120/1	1,2,3,4

1) PROVIDE P&T RELIEF VALVE TO FLOOR DRAIN. SET HEATER AT 140°F

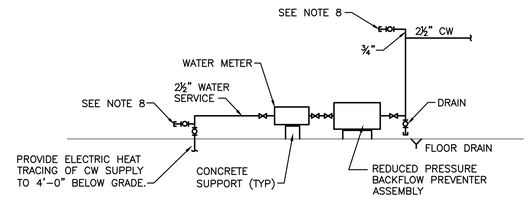
2) PROVIDE SYSTEM LAWLER #802 MIXING VALVE WITH 1" HW AND CW INLETS, AND 1 1/4" OUTLET.

3) PROVIDE GAS PRESSURE REGULATOR FOR 1 PSI GAS MAIN PRESSURE.

4) LOW WATER CUTOFF AND CONDENSATE NEUTRALIZATION KIT.



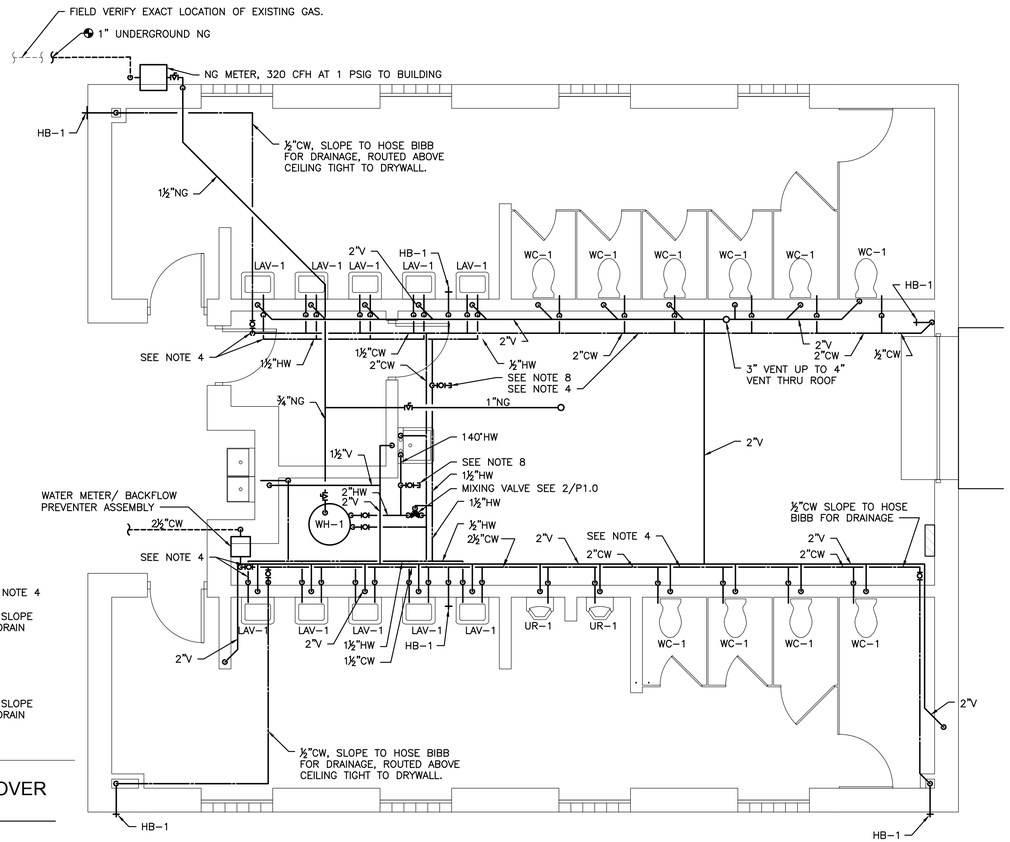
2 / P1.0 WATER MIXING VALVE DIAGRAM
NO SCALE

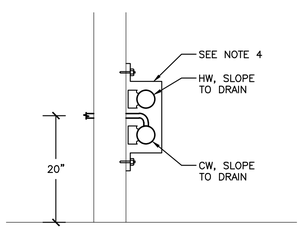


1 / P1.0 WATER METER INSTALLATION DIAGRAM
NO SCALE

GENERAL NOTES:

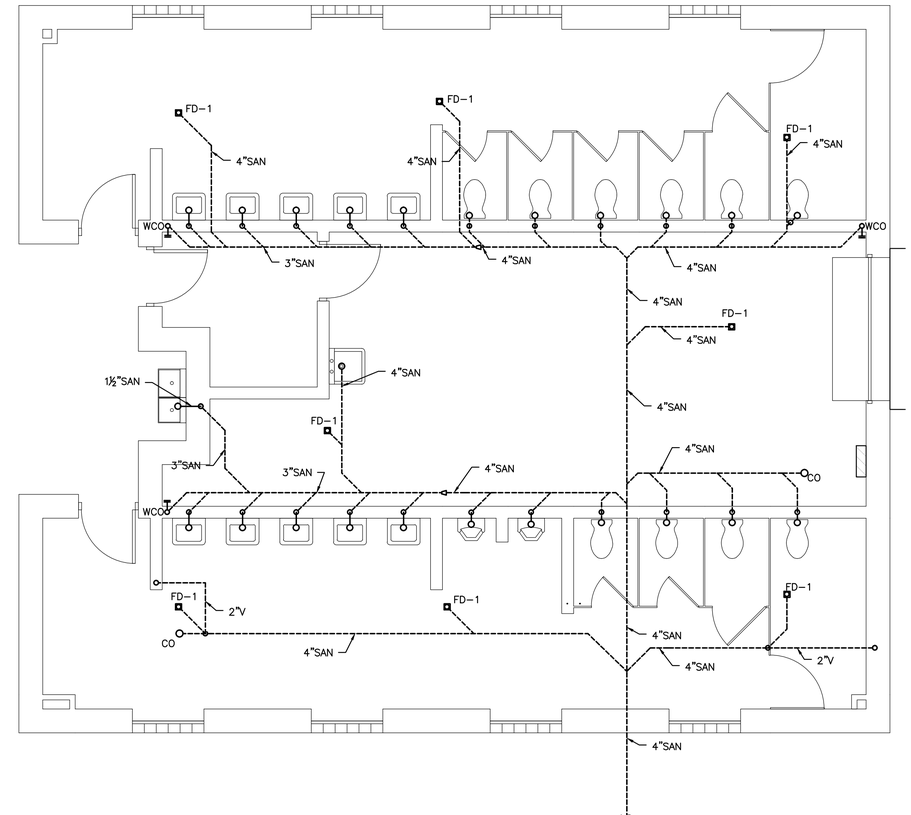
1. THE CONTRACTOR SHALL PROVIDE R19 VALVE STOPS WITH REMOVAL BONNETS AS REQUIRED BY OWNER FOR DRAINING.
2. ALL PLUMBING TO BE INSTALLED AND SLOPED FOR GRAVITY DRAINAGE AND SEASONAL SHUTDOWN.
3. PROVIDE HANGERS FOR ALL PIPING.
4. PROVIDE 4"X14", 16 GAUGE GALVANIZED PIPE COVER/CHASE MOUNTED AT 26" AFF TO TOP.
5. PROVIDE A MANUAL MAIN GAS SHUT-OFF VALVE.
6. PROVIDE ACCESS PANELS FOR VALVES LOCATED ABOVE CEILING.
7. ROUTE VENTING IN WALLS AND ABOVE CEILING.
8. PROVIDE THREADED PIPE CONNECTION AND CAP, FOR CONNECTION OF COMPRESSED AIR SUPPLY FOR WINTERIZING OF SYSTEM.





3 / P1.0 PIPE CHASE/COVER DIAGRAM
NO SCALE

NORTH PLUMBING PLAN FLOOR PLAN - ABOVE GROUND
SCALE: 1/4" = 1'-0"



NORTH PLUMBING PLAN FLOOR PLAN - UNDERGROUND
SCALE: 1/4" = 1'-0"

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PLUMBING FLOOR PLAN

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P1.0

GRILLE, REGISTER AND DIFFUSER SCHEDULE

TAG	BASIS OF DESIGN	TYPE	CFM RANGE	NECK SIZE	SURFACE MODULE	MAX NC	NOTES
S-1	TITUS, TDC	SUPPLY	0-160	6"X6"	12x12	30	1,2
S-2	TITUS, TDC	SUPPLY	250-350	12"X12"	24X24	30	1,2
S-3	TITUS, TDC	SUPPLY	450-500	12"X12"	24X24	30	1,2
E-1	TITUS, 23RFL	EXHAUST	50-350	12"x10"	14"X12"	30	1
E-2	TITUS, 23RFL	EXHAUST	350-600	14"x12"	16"X14"	30	1

NOTES:
1) OPPOSED BLADE VOLUME DAMPER, WHITE FINISH
2) SQUARE TO ROUND ADAPTER

FAN SCHEDULE

TAG	BASIS OF DESIGN	LOCATION	SERVICE	TYPE	CFM	E.S.P.	DRIVE	MOTOR DATA				COMMENTS
								HP	VOLTS	PHASE	Hz	
EF-1	GREENHECK CUBE-180HP-7	ROOF	FACILITY	CENTR.	2100	1.00	BELT	3/4	208	1	60	1,2,3

NOTES:
1) VERIFY VOLTAGE PRIOR TO PURCHASING EQUIPMENT (208V vs 230V).
2) PROVIDE DISCONNECT SWITCH, BACK-DRAFT DAMPER, AND BIRDSCREEN.
3) PROVIDE ROOF CURB.

MAKE-UP AIR UNIT SCHEDULE

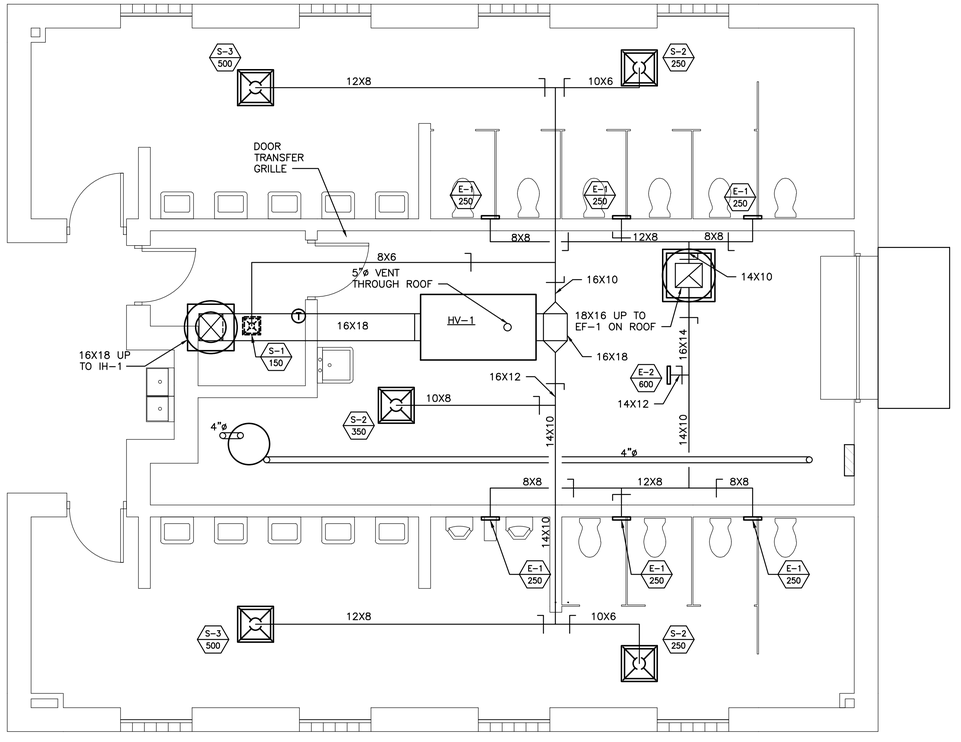
TAG	LOCATION	BASIS OF DESIGN		E.S.P.	CFM	HEATING SECTION		ELECTRICAL				NOTES/ACCESSORIES
		MANUFACTURER	MODEL NO.			INPUT (MBH)	OUTPUT (MBH)	VOLTS / PH / HZ	MCA	MOP	HP	
HV-1	UTILITY ROOM	STERLING	ME-20A2B01K23K1A	1.00	2000	200	160	208/1/60	7.65	11.85	3/4	1,2,3

NOTES:
1) UNIT TO BE MOUNTED BETWEEN TRUSSES, SUPPORTED BY SPRING/ISOLATION MOUNTS AT FOUR CORNERS.
2) PROVIDE DISCONNECT SWITCH, DIGITAL TEMPERATURE ROOM SENSORS, SMOKE SENSOR, CO2 SENSOR, AND GAS PRESSURE REGULATOR TO REDUCE FROM 1 PSIG GAS PRESSURE.
3) HV-1 TO BE INTERLOCKED WITH EF-1.

INTAKE HOOD

TAG	BASIS OF DESIGN	MODEL	TYPE	CFM RANGE	NECK SIZE	THROAT AREA (SF)	NOTES
IH-1	GREENHECK	GRSF	INTAKE	2000	20.25	2.25	1,2

NOTES:
1) PROVIDE INSECT/BIRD SCREEN, AND BACK-DRAFT DAMPER.
2) SQUARE TO ROUND ADAPTER



HVAC FLOOR PLAN

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

GENERAL NOTES

1. PRIOR TO PURCHASE OF ANY MECHANICAL EQUIPMENT, MECHANICAL CONTRACTOR TO VERIFY EXACT SERVICE VOLTAGE (208V. VS. 240V.) WITH ELECTRICAL CONTRACTOR.
2. RUN EXHAUST DUCTWORK BELOW CEILING.
3. RUN SUPPLY DUCTWORK ABOVE CEILING. PROVIDE INSULATION IN UNCONDITIONED SPACE.
4. MOUNT HV-1 FLUSH TO BOTTOM CHORD OF TRUSS. COORDINATE WITH STRUCTURAL.

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HVAC PLAN

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PANEL RP-A (UTILITY ROOM 103) 200A MCB. 120/208V, 1PH, 3W, 10 KAIC

NO	LOAD DESCRIPTION	LOAD IN KILO-VOLT-AMPS							CB	P	CKT	PH	CKT	P	CB	LOAD IN KILO-VOLT-AMPS							LOAD DESCRIPTION	NO
		A/C	HTG	KIT	MIS	MTS	RCP	LTB								LTG	RCP	MTS	MIS	KIT	HTG	A/C		
1	GATOR						10.40		100	2	1	A	2	1	20				2.30				MEN'S ROOM HAND DRYER	2
3							10.40				3	B	4	1	20				2.30				MEN'S ROOM HAND DRYER	4
5	EXHAUST FAN (3/4 HP)					0.79			20	2	5	A	6	1	20				2.30				MEN'S ROOM HAND DRYER	6
7						0.79					7	B	8	1	20				2.30				WOMEN'S ROOM HAND DRYER	8
9	COILING DOOR (3/4 HP)					1.66			20	1	9	A	10	1	20				2.30				WOMEN'S ROOM HAND DRYER	10
11	WOMEN'S ROOM 101 LTG.							0.59	20	1	11	B	12	1	20				2.30				WOMEN'S ROOM HAND DRYER	12
13	OFFICE 102 & EXTERIOR LTG.							0.27	20	1	13	A	14	1	20		0.72						S. & E. UTILITY ROOM WALL RCPT. (2)	14
15	UTILITY ROOM 103 LTG.							0.25	20	1	15	B	16	1	20		0.36						EXTERIOR RCPT. WEST SIDE (2)	16
17	MEN'S ROOM 104 LTG.							0.54	20	1	17	A	18	1	20		0.72						EXTERIOR RCPT. SOUTH/WEST SIDE (4)	18
19	NL/EM LTG.							0.18	20	1	19	B	20	1	20		0.36						OFFICE 102 RCPT. (2)	20
21	EXTERIOR LTG.							0.51	20	1	21	A	22	2	20								HV-1	22
23	FLUSHOMETERS				0.60				20	1	23	B	24											24
25	EXTERIOR RCPT. WEST SIDE COLUMN (1)							0.18	20	1	25	A	26	1	20		0.18						UTILITY ROOM RCPT. (1)	26
27	EXTERIOR RCPT. SOUTH SIDE COLUMN (1)							0.18	20	1	27	B	28	1	20		0.36						N. & W. UTILITY ROOM WALL RCPT. (2)	28
29	DRINKING FOUNTAIN				0.02				20	1	29	A	30	1	20		0.18						MEN'S ROOM RCPT. (1)	30
31	SPACE										31	B	32	1	20		0.18						WOMEN'S ROOM RCPT. (1)	32
33	SPACE										33	A	34										SPACE	34
35											35	B	36										SPACE	36
37											37	A	38											38
39											39	B	40											40
41											41	A	42											42

CONNECTED KILO-VOLT-AMPS			
LOAD TYPE	A	B	TOTAL
LIGHTING (LTG)	1.50	1.20	2.70
RECEPTACLES (RCP)	12.20	11.66	23.86
MOTORS (MTS)	2.45	0.79	3.24
MISCELLANEOUS (MIS)	6.92	7.50	14.42
KITCHEN (KIT)	0.00	0.00	0.00
HEATING (HTG)	0.00	0.00	0.00
AIR CONDITIONING (A/C)	0.00	0.00	0.00
CONNECTED kVA	23.06	21.15	44.22
CONNECTED AMPS	192.20	176.27	122.88

DEMAND FACTORS
1.00
NEC 220
0.65
1.00
0.65
0.65
0.65

DEMAND KILO-VOLT-AMPS			
LOAD TYPE	A	B	TOTAL
LIGHTING	1.50	1.20	2.70
RECEPTACLES	8.66	8.27	16.93
MOTORS	1.59	0.51	2.10
MISCELLANEOUS	6.92	7.50	14.42
KITCHEN	0.00	0.00	0.00
HEATING	0.00	0.00	0.00
AIR CONDITIONING	0.00	0.00	0.00
DEMAND kVA	18.66	17.49	36.15
DEMAND AMPS	155.54	145.74	100.47

ACCESSORIES
SURFACE
FLUSH
NEMA ENCLOSURE TYPE NUMBER
ISOLATED GROUND BUS
HANDLE ATTACHMENT
ARC-FAULT PROTECTION
EQUIPMENT GROUND BAR
BUS MATERIAL
ALARM SWITCHES
SHUNT TRIP CIRCUIT BREAKER
GROUND FAULT INTERRUPTER

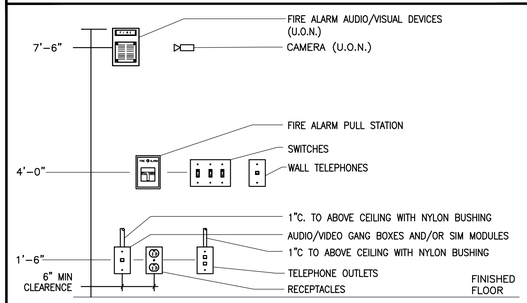
GENERAL NOTES

1. ALL WIRING IN CONDUITS SHALL RUN CONCEALED UNLESS OTHERWISE NOTED.
2. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE.
3. CONSTRUCTION DOCUMENTS CONSIST OF PLANS, DETAILS, DIAGRAMS, AND SPECIFICATIONS.
4. ALL RACEWAYS AND CABLE TRAYS (IF ANY) RUNNING ACROSS BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.
5. ELECTRICAL SERVICES (HOME RUNS) SHOWN ON THE DRAWINGS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL VERIFY ROUTING AND MEET CONDUCTOR FILL/AMAPACITY REQUIREMENTS PER THE NATIONAL ELECTRICAL CODE.
6. CONTRACTOR SHALL REVIEW CONTRACT DOCUMENTS OF ALL TRADES TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT, COORDINATE EXACT LOCATION WITH THE ARCHITECTURAL DRAWINGS.
7. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATION OF ALL DEVICES UNLESS SHOWN ON ELECTRICAL DRAWINGS.
8. PROVIDE ALL REQUIRED SUPPORTS AND MATERIALS TO INSTALL ELECTRICAL DEVICES AND EQUIPMENT. COORDINATE WITH MANUFACTURES SUBMITTALS.
9. ALL ELECTRICAL WIRING FROM THE SERVICE ENTRANCE TO DOWNSTREAM DEVICES SHALL BE COPPER (CU) UNLESS OTHERWISE NOTED ON PLANS.
10. LIGHTING/RECEPTACLE BRANCH CIRCUITS 100 FEET AND FURTHER FROM THEIR ASSOCIATED PANELS SHALL BE FED WITH #10 WIRING MINIMUM. UNLESS OTHERWISE NOTED.
11. PROVIDE LABELING OF CIRCUIT NUMBERS ALL RECEPTACLES.
12. ELECTRICAL CONTRACTOR TO VERIFY EXACT SERVICE VOLTAGE (208V. VS. 240V.) WITH UTILITY COMPANY AND COORDINATE EQUIPMENT VOLTAGE REQUIREMENTS WITH MECHANICAL TRADES.

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTS	MOUNTING	DESCRIPTION
LA	JUNO	L6-50401-G3-L600P-CS-WET	LED 45.3W.	120	RECESS	6" DIAMETER RECESSED LED DOWNLIGHT, IC RATED.
LAE	JUNO	L6-50401-G3-BR L600P-CS-WET	LED 45.3W.	120	RECESS	6" DIAMETER RECESSED LED DOWNLIGHT WITH EMERGENCY BATTERY BACK-UP, IC RATED.
LB	LITHONIA	LED Z SERIES ZL2NL48-3000LM-MDD-35K-80CRI-WH	LED 42W.	MVOLT	SURFACE/ CHAIN HUNG	4' LONG SURFACE CEILING/CHAIN HUNG LED LENSED STRIPLIGHT FIXTURE.
LC	SOLERA	SMRT-24LED-120-OPL-TP-SG	LED 29W.	120	SURFACE	9 1/2" DIAMETER SURFACE MOUNTED LED LAMP
EM	LITHONIA	ELM2-LED-HO	6W	MVOLT	CEILING	EMERGENCY LIGHT FIXTURE WITH BATTERY PACK FOR 90 MINUTES

TYPICAL DEVICE MOUNTING DETAIL



NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL, UNLESS OTHERWISE NOTED.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE NEMA 5-20R-125V, WHEN NOTED "D" DEDICATED
	DOUBLE DUPLEX RECEPTACLE NEMA 5-20R-125V
	NEMA RECEPTACLE 30A, 50A, 250V. "TL" TWIST LOCK. (NEMA 6-30R, 6-50R)
J	JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
	SINGLE PHASE, THREE PHASE MOTOR
	ELECTRICAL PANELS (RECESSED , SURFACE MOUNTED @ 6'-6" A.F.F. TO TOP)
	ELEC SERVICE CONNECTION (SINGLE POINT) AT EQPT. DISCONNECT DEVICE BY EQPT MFR
M	UTILITY METER
	CEILING OR WALL MOUNTED FIXTURE
	WALL MOUNTED 84" MIN. A.F.F. BATTERY POWERED EMERGENCY BACKUP LIGHT FIXTURE
	CEILING OR WALL MTD FLUORESCENT FIXTURE, SEE FIXTURE SCHED.
S	SINGLE POLE TOGGLE SWITCH
SK	KEY OPERATED SWITCH
PC	PHOTOCELL

OCCUPANCY SENSOR ("C" CEILING) SENSOR SWITCH CMR-PDT DUAL TECHNOLOGY OR APPROVED EQUAL.
OCCUPANCY SENSOR ("H" HALLWAY) SENSOR SWITCH HWR-16 OR APPROVED EQUAL.
OCCUPANCY SENSOR ("W" WALL) SENSOR SWITCH WVR-16 OR APPROVED EQUAL. 6" BELOW CLG LINE.

GENERAL ABBREVIATIONS

A	AMPERES	KVA	KILOVOLT AMPERES
ADA	AMERICANS WITH DISABILITIES ACT	KW	KILOWATTS
AFF	ABOVE FINISH FLOOR	LTG	LIGHTING
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MDP	MAIN DISTRIBUTION PANEL/SECTION
ARCH	ARCHITECT	MECH	MECHANICAL
ATS	AUTOMATIC TRANSFER SWITCH	MSB	MAIN SWITCHBOARD
AWG	AMERICAN WIRE GAUGE	MISC	MISCELLANEOUS
CB	CIRCUIT BREAKER	MLO	MAIN LUGS ONLY
CKT/CIRC	CIRCUIT	NTS	NOT TO SCALE
COL	COLUMN	NIC	NOT IN CONTRACT
CT	CURRENT TRANSFORMER	PB	PUSHBUTTON
CU	COPPER	PC	PERSONAL COMPUTER
DWG	DRAWING	PNL	PANELBOARD
EF	EXHAUST FAN	PP	POWER PANEL
ELEC	ELECTRICAL	PVC	POLYVINYL CHLORIDE
EM	EMERGENCY	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	REQ'D	REQUIRED
EPO	EMERGENCY POWER-OFF	SP	SPARE
EWC	ELECTRIC WATER COOLER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
FAAP	FIRE ALARM ANNUNCIATOR PANEL		
FACP	FIRE ALARM CONTROL PANEL	UG	UNDERGROUND
FLA	FULL LOAD AMPS	UC	UNDER COUNTER
FMCS	FACILITY MANAGEMENT CONTROL SYSTEM	UON	UNLESS OTHERWISE NOTED
		UH	UNIT HEATER
GRD	GROUND	V	VOLT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VA	VOLT AMPERES
HOA	HAND-OFF-AUTOMATIC SWITCH	VIF	VERIFY IN FIELD
ICMS	INTEGRATED CARE MANAGEMENT SYSTEM	WH	WATER HEATER
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

℄ CENTERLINE △ DELTA Y WYE Ø/PH PHASE

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DEARBORN MICHIGAN

Project Title:
FORD FIELD
COMFORT STATION

Date:	Issued for:
04-25-2016	BIDS & PERMITS
02-27-2017	BIDS & PERMITS

Drawn:	KG	Designed:	JC
Checked:	JC	Approved:	JC

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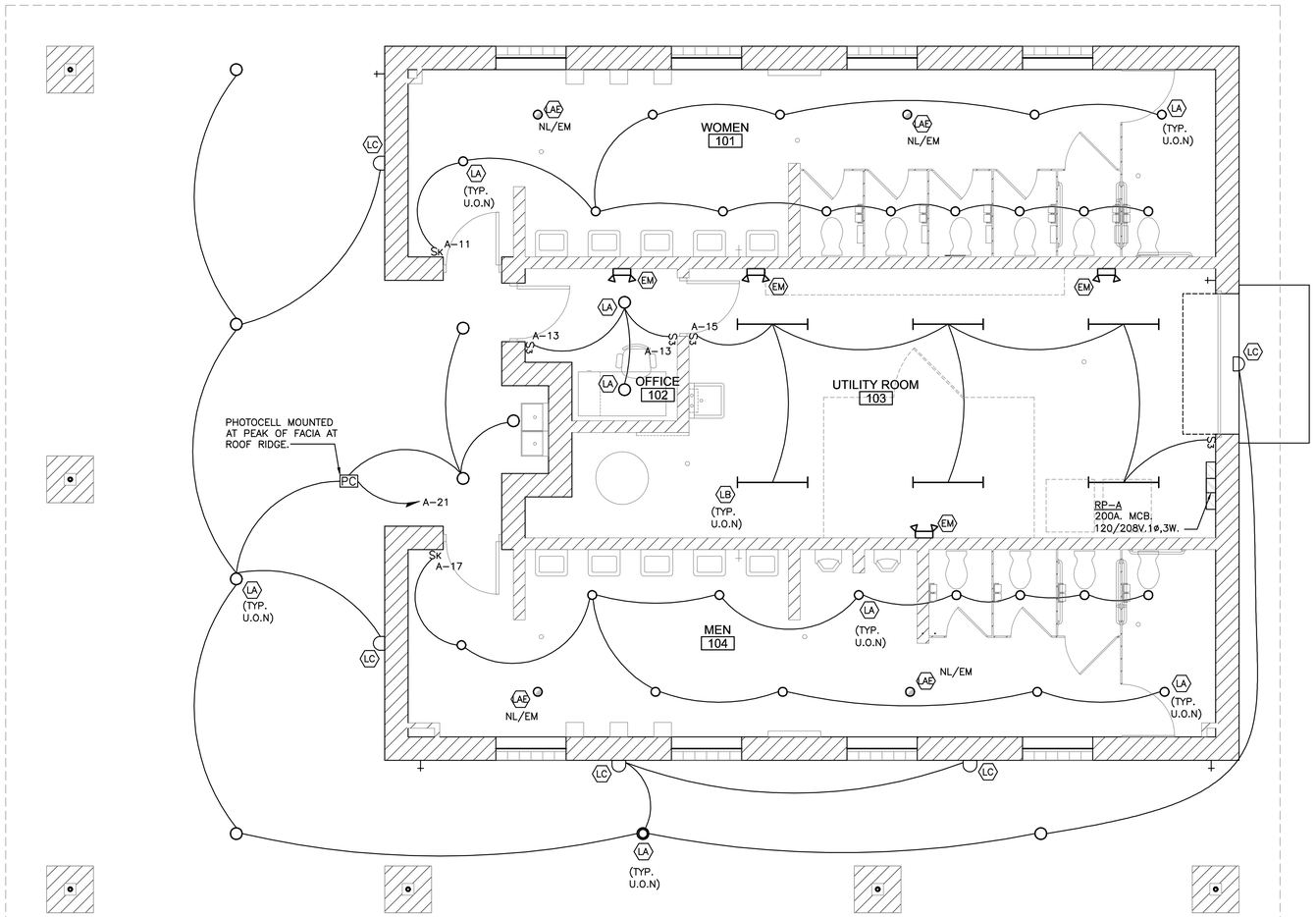
Sheet Title:
ELECTRICAL SYMBOLS, LEGENDS, LUMINAIRE SCH. & NOTES

Sheet Number:
E1.0



LIGHTING PLAN

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

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Project Number: 215062.01

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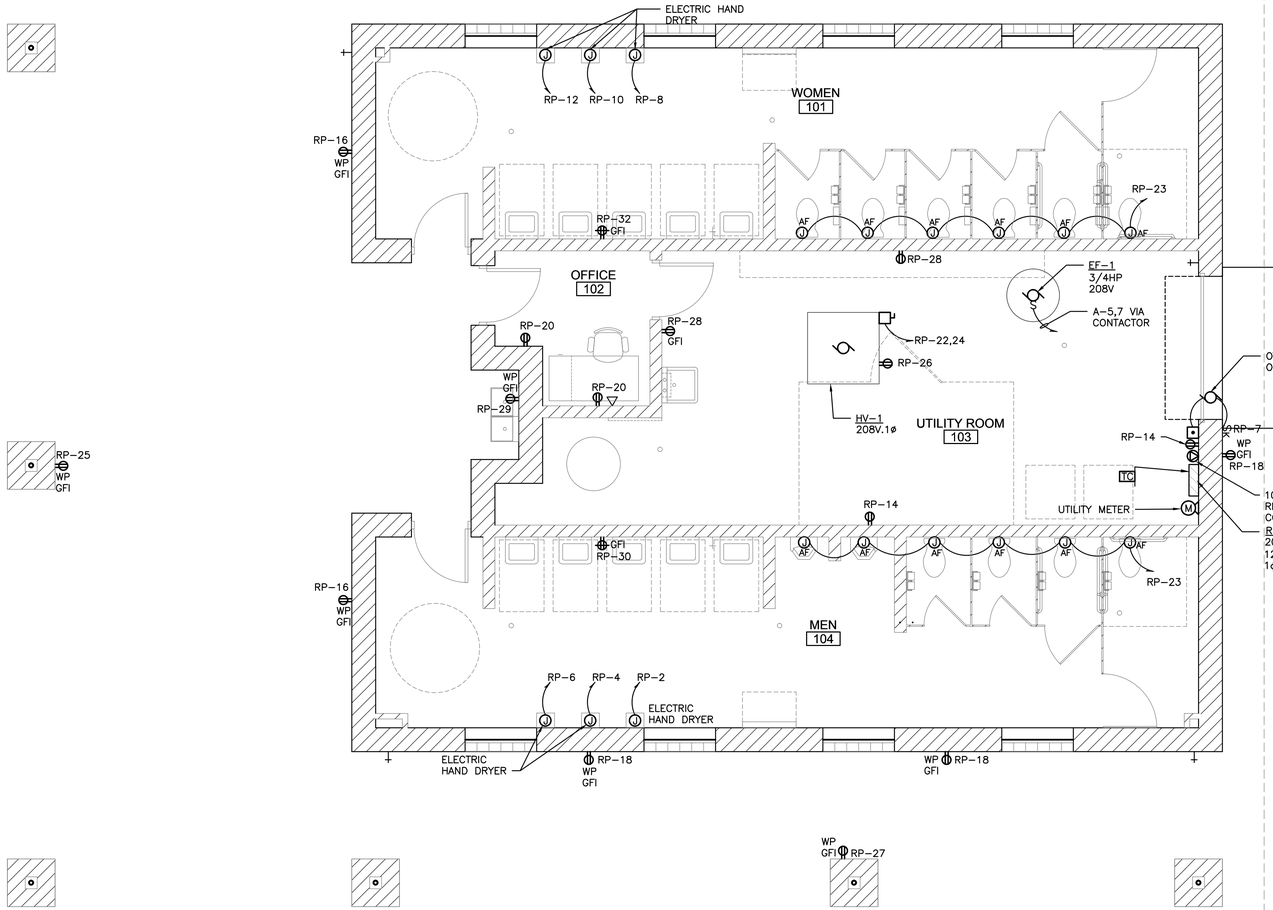
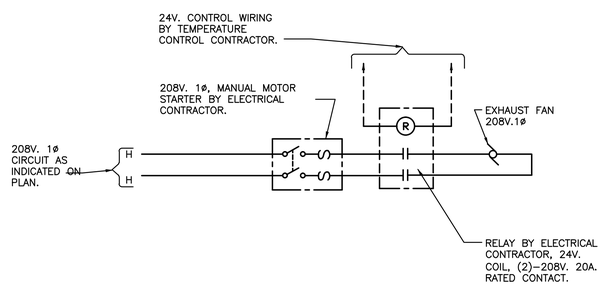
LIGHTING PLAN

Sheet Number: E2.0



POWER PLAN

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



EXHAUST FAN CONTROL WIRING DIAGRAM

NO SCALE

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CAD Drawing File:

Project Number: 215062.01

Sheet Title:
POWER PLAN

Sheet Number: E3.0