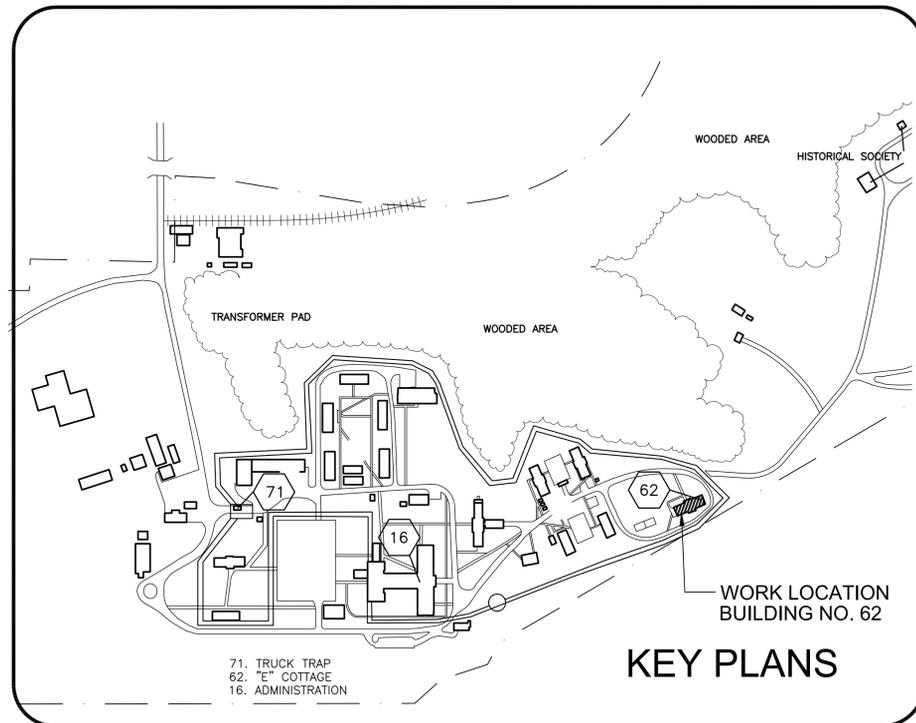


VARIOUS SECURITY IMPROVEMENTS BUILDING NO.62

HUDSON CORRECTIONAL FACILITY EAST COURT STREET, HUDSON, NEW YORK O.G.S. PROJECT NO. 45384-C,H,P&E

PRELIMINARY DOCUMENTS
NOT FOR BIDDING
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1/7/2016 1:00 PM
CONTACT KAREN DISONELL
518-731-8290



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**Corrections and
Community Supervision**



**Office of
General Services**

DESIGN & CONSTRUCTION

DRAWING NUMBER:

G-001

2010 EXISTING BUILDING CODE OF NEW YORK STATE CODE COMPLIANCE REVIEW CHECK LIST

CHAPTER EB4 CLASSIFICATION OF WORK

§EB404 ALTERATION - LEVEL 2

§EB404.1 LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.

§EB404.2 APPLICATION. LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER EB6 FOR LEVEL 1 ALTERATIONS AS WELL AS THE PROVISIONS OF CHAPTER EB7.

CHAPTER EB6 ALTERATIONS - LEVEL 1

§EB601 GENERAL

§EB601.1 LEVEL 1 ALTERATIONS AS DESCRIBED IN §EB403 SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER. LEVEL 1 ALTERATIONS TO HISTORIC BUILDINGS SHALL COMPLY WITH THIS CHAPTER, EXCEPT AS MODIFIED IN CHAPTER EB11.

§EB601.2 AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION, EXCEPT WHERE THE CURRENT LEVEL OF SAFETY OR SANITATION IS PROPOSED TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE.

§EB602 BUILDING ELEMENTS AND MATERIALS

§EB602.1 INTERIOR FINISHES. ALL NEWLY INSTALLED INTERIOR FINISHES SHALL COMPLY WITH THE FLAME SPREAD REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE.

§EB602.2 CARPETING. NEW CARPETING USED AS AN INTERIOR FLOOR FINISH MATERIAL SHALL COMPLY WITH THE RADIANT FLUX REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE.

§EB602.3 MATERIALS AND METHODS. ALL NEW WORK SHALL COMPLY WITH MATERIALS AND METHODS REQUIREMENTS IN THE NFPA 70, BUILDING CODE OF NEW YORK STATE, MECHANICAL CODE OF NEW YORK STATE, AND PLUMBING CODE OF NEW YORK STATE, AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

§EB604 MEANS OF EGRESS

§EB604.1 GENERAL. REPAIRS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

§EB605 ACCESSIBILITY

§EB605.1 GENERAL. A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN §EB605.1.1 THROUGH §EB605.1.12, CHAPTER 11 OF THE BUILDING CODE OF NEW YORK STATE, AND ICC A117.1 UNLESS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

A BUILDING, FACILITY OR ELEMENT THAT IS CONSTRUCTED OR ALTERED TO BE ACCESSIBLE SHALL BE MAINTAINED ACCESSIBLE DURING OCCUPANCY.

§EB605.1.9 TOILET ROOMS. WHERE IT IS TECHNICALLY INFEASIBLE TO ALTER EXISTING TOILET AND BATHING FACILITIES TO BE ACCESSIBLE, AN ACCESSIBLE UNISEX TOILET OR BATHING FACILITY IS PERMITTED. THE UNISEX FACILITY SHALL BE LOCATED ON THE SAME FLOOR AND IN THE SAME AREA AS THE EXISTING FACILITIES.

§EB605.1.11 THRESHOLDS. THE MAXIMUM HEIGHT OF THRESHOLDS AT DOORWAYS SHALL BE 3/4 INCH (19.1 MM). SUCH THRESHOLDS SHALL HAVE BEVELED EDGES ON EACH SIDE.

§EB605.1.12 EXTENT OF APPLICATION. AN ALTERATION OF AN EXISTING ELEMENT, SPACE, OR AREA OF A BUILDING OR FACILITY SHALL NOT IMPOSE A REQUIREMENT FOR GREATER ACCESSIBILITY THAN THAT WHICH WOULD BE REQUIRED FOR NEW CONSTRUCTION. ALTERATIONS SHALL NOT REDUCE OR HAVE THE EFFECT OF REDUCING ACCESSIBILITY OF A BUILDING, PORTION OF A BUILDING, OR FACILITY.

§EB605.2 ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION. WHERE AN ALTERATION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF, PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. THE ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES OR DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.

§EB701 GENERAL

§EB701.1 SCOPE. LEVEL 2 ALTERATIONS AS DESCRIBED IN §EB404 SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER.

EXCEPTION: BUILDINGS IN WHICH THE RECONFIGURATION IS EXCLUSIVELY THE RESULT OF COMPLIANCE WITH THE ACCESSIBILITY REQUIREMENTS OF §EB605.2 SHALL BE PERMITTED TO COMPLY WITH CHAPTER EB6.

§EB701.2 ALTERATION LEVEL 1 COMPLIANCE. IN ADDITION TO THE REQUIREMENTS OF THIS CHAPTER, ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER EB6.

§EB701.3 COMPLIANCE. ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE, EXCEPT WINDOWS MAY BE ADDED WITHOUT REQUIRING COMPLIANCE WITH THE LIGHT AND VENTILATION REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE, NEWLY INSTALLED ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF §EB708, THE LENGTH OF DEAD-END CORRIDORS IN NEWLY CONSTRUCTED SPACES SHALL ONLY BE REQUIRED TO COMPLY WITH THE PROVISIONS OF §EB705.6, AND THE MINIMUM CEILING HEIGHT OF THE NEWLY CREATED HABITABLE AND OCCUPIABLE SPACES AND CORRIDORS SHALL BE 6 FEET 8 INCHES.

§EB703 BUILDING ELEMENTS AND MATERIALS

§EB703.1 SCOPE. THE REQUIREMENTS OF THIS SECTION ARE LIMITED TO WORK AREAS IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED, AND SHALL APPLY BEYOND THE WORK AREA WHERE SPECIFIED.

§EB703.2 VERTICAL OPENINGS. EXISTING VERTICAL OPENINGS SHALL COMPLY WITH THE PROVISIONS OF §EB703.2.1, §EB703.2.2, AND §EB703.2.3.

§EB703.2.1 EXISTING VERTICAL OPENINGS. ALL EXISTING INTERIOR VERTICAL OPENINGS CONNECTING TWO OR MORE FLOORS SHALL BE ENCLOSED WITH APPROVED ASSEMBLIES HAVING A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WITH APPROVED OPENING PROTECTIVES, EXCEPT WHERE VERTICAL OPENING ENCLOSURE IS NOT REQUIRED BY THE BUILDING CODE OF NEW YORK STATE OR THE FIRE CODE OF NEW YORK STATE, OR INTERIOR VERTICAL OPENINGS OTHER THAN STAIRWAYS MAY BE BLOCKED AT THE FLOOR AND CEILING OF THE WORK AREA BY INSTALLATION OF NOT LESS THAN 2 INCHES (51 MM) OF SOLID WOOD OR EQUIVALENT CONSTRUCTION.

§EB703.4 INTERIOR FINISH. THE INTERIOR FINISH OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY WORK AREA SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE, EXCEPT EXISTING INTERIOR FINISH MATERIALS THAT DO NOT COMPLY WITH THE INTERIOR FINISH REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE SHALL BE PERMITTED TO BE TREATED WITH AN APPROVED FIRE-RETARDANT COATING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACHIEVE THE REQUIRED RATING.

§EB704 FIRE PROTECTION

§EB704.2 AUTOMATIC SPRINKLER SYSTEMS ARE NOT REQUIRED. APPLIES TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT OR THAT SERVE AN OCCUPANT LOAD GREATER THAN 30.

§EB704.4 FIRE ALARM AND DETECTION. AN APPROVED FIRE ALARM SYSTEM IS NOT REQUIRED TO BE INSTALLED IF THERE IS AN EXISTING, PREVIOUSLY APPROVED FIRE ALARM SYSTEM.

§EB705 MEANS OF EGRESS

§EB705.1 SCOPE. THE REQUIREMENTS OF THIS SECTION SHALL BE LIMITED TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED, AND WHERE SPECIFIED THEY SHALL APPLY THROUGHOUT THE FLOOR ON WHICH THE WORK AREAS ARE LOCATED OR OTHERWISE BEYOND THE WORK AREA.

§EB706 ACCESSIBILITY

§EB706.1 GENERAL. A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH §EB605.

§EB706.3 DWELLING UNITS AND SLEEPING UNITS. WHERE GROUP 1-3 DWELLING UNITS OR SLEEPING UNITS ARE BEING ADDED, THE REQUIREMENTS OF §1107 OF THE BUILDING CODE OF NEW YORK STATE FOR ACCESSIBLE UNITS OR TYPE B UNITS AND CHAPTER 9 OF THE BUILDING CODE OF NEW YORK STATE FOR ACCESSIBLE ALARMS APPLY ONLY TO THE QUANTITY OF SPACES BEING ADDED.

§EB707 STRUCTURAL

§EB707.1 GENERAL. WHERE ALTERATION WORK INCLUDES INSTALLATION OF ADDITIONAL EQUIPMENT THAT IS STRUCTURALLY SUPPORTED BY THE BUILDING OR RECONFIGURATION OF SPACE SUCH THAT PORTIONS OF THE BUILDING BECOME SUBJECTED TO HIGHER GRAVITY LOADS AS REQUIRED BY TABLE 1607.1 AND TABLE 1607.6 OF THE BUILDING CODE OF NEW YORK STATE, THE PROVISIONS OF THIS SECTION SHALL APPLY.

§EB707.2 REDUCTION OF STRENGTH. ALTERATIONS SHALL NOT REDUCE THE STRUCTURAL STRENGTH OR STABILITY OF THE BUILDING, STRUCTURE, OR ANY INDIVIDUAL MEMBER THEREOF, EXCEPT WHEN SUCH REDUCTION SHALL BE ALLOWED AS LONG AS THE STRENGTH AND THE STABILITY OF THE BUILDING ARE NOT REDUCED TO BELOW THE BUILDING CODE OF NEW YORK STATE LEVELS.

§EB707.3 NEW STRUCTURAL MEMBERS. NEW STRUCTURAL MEMBERS IN ALTERATIONS, INCLUDING CONNECTIONS AND ANCHORAGE, SHALL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE.

§EB707.4 EXISTING STRUCTURAL MEMBERS SUPPORTING ADDITIONAL EQUIPMENT OR SUBJECTED TO ADDITIONAL LOADS BASED ON BUILDING CODE OF NEW YORK STATE TABLE 1607.1 AND TABLE 1607.6 AS A RESULT OF A RECONFIGURATION OF SPACES SHALL COMPLY WITH §EB707.4.1 THROUGH §EB707.4.3.

§EB707.4.1 EXISTING STRUCTURAL ELEMENTS SUPPORTING ANY ADDITIONAL GRAVITY LOADS AS A RESULT OF ADDITIONAL EQUIPMENT OR SPACE RECONFIGURATION SHALL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE, EXCEPT STRUCTURAL ELEMENTS WHOSE STRESS IS NOT INCREASED BY MORE THAN 5 PERCENT.

§EB707.4.2 BUILDINGS IN WHICH LEVEL 2 ALTERATIONS INCREASE THE SEISMIC BASE SHEAR BY MORE THAN 10 PERCENT OR DECREASE THE SEISMIC BASE SHEAR CAPACITY BY MORE THAN 10 PERCENT SHALL COMPLY WITH THE STRUCTURAL REQUIREMENTS SPECIFIED IN §EB807.5 AND §EB807.7. CHANGES IN BASE SHEAR AND BASE SHEAR CAPACITY SHALL BE CALCULATED RELATIVE TO CONDITIONS AT THE TIME OF THE ORIGINAL CONSTRUCTION UNLESS THE BUILDING'S SEISMIC BASE SHEAR CAPACITY HAS BEEN INCREASED SINCE THE ORIGINAL CONSTRUCTION.

§EB707.4.3 SNOW DRIFT LOADS. ANY STRUCTURAL ELEMENT OF AN EXISTING BUILDING SUBJECTED TO ADDITIONAL LOADS FROM THE EFFECTS OF SNOW DRIFT AS A RESULT OF ADDITIONAL EQUIPMENT SHALL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE, EXCEPT STRUCTURAL ELEMENTS WHOSE STRESS IS NOT INCREASED BY MORE THAN 5 PERCENT.

§EB708 ELECTRICAL

§EB708.1 ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER EB5, EXCEPT ELECTRICAL EQUIPMENT AND WIRING IN NEWLY INSTALLED PARTITIONS AND CEILINGS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE NFPA 70.

§EB708.2 EXISTING WIRING IN ALL WORK AREAS IN GROUP I OCCUPANCIES SHALL BE UPGRADED TO MEET THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER EB5.

§EB709 MECHANICAL

§EB709.1 RECONFIGURED OR CONVERTED SPACES. ALL RECONFIGURED SPACES INTENDED FOR OCCUPANCY AND ALL SPACES CONVERTED TO HABITABLE OR OCCUPIABLE SPACE IN ANY WORK AREA SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE MECHANICAL CODE OF NEW YORK STATE, EXCEPT EXISTING MECHANICAL VENTILATION SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF §EB709.2.

§EB709.2 IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CUBIC FEET PER MINUTE PER PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM OF VENTILATION AIR PER PERSON; OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62.

§EB709.3 ALL NEWLY INTRODUCED DEVICES, EQUIPMENT, OR OPERATIONS THAT PRODUCE AIRBORNE PARTICULATE MATTER, ODORS, FUMES, VAPOR, COMBUSTION PRODUCTS, GASEOUS CONTAMINANTS, PATHOGENIC AND ALLERGENIC ORGANISMS, AND MICROBIAL CONTAMINANTS IN SUCH QUANTITIES AS TO AFFECT ADVERSELY OR IMPAIR HEALTH OR CAUSE DISCOMFORT TO OCCUPANTS SHALL BE PROVIDED WITH LOCAL EXHAUST.

§EB710 PLUMBING

§EB710.1 WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE PLUMBING CODE OF NEW YORK STATE BASED ON THE INCREASED OCCUPANT LOAD.

§EB711 ENERGY CONSERVATION

ENERGY CONSERVATION MEASURES IN EXISTING BUILDINGS SHALL BE IN CONFORMANCE WITH §E101 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

2012 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

COMMERCIAL BUILDINGS:
(PER CODE CHAPTER 4)

CLIMATE ZONE	5A - COLUMBIA COUNTY
WINDOW AND GLAZED AREA OVER 10 PERCENT BUT NOT GREATER THAN 30 PERCENT OF ABOVE-GRADE WALL AREA:	ACTUAL 22% F = 0.54 REQUIRED
SLAB ON GRADE	
WINDOW AND GLASS DOOR AREA PF < 0.25	SHGC U-FACTOR REQ'D 0.4 0.45 WIN 0.77 DOOR
ROOF ASSEMBLIES (CONT. INSULATION)	U = 0.027 REQUIRED
ABOVE-GRADE WALLS	U = 0.104 REQUIRED
BELOW-GRADE WALLS	C = 0.119 REQUIRED

2010 BUILDING CODE OF NEW YORK STATE CODE COMPLIANCE REVIEW CHECK LIST

CONSTRUCTION CLASSIFICATION:
(PER CODE SECTION 602.2 - TABLE 601)
TYPE VA CONSTRUCTION

BUILDING HEIGHT AND FIRE AREA:
(PER CODE SECTION 503 - TABLE 503)
INSTITUTIONAL 1-3 2 STORY - 50' 7,500 S.F. (MOST RESTRICTIVE)

FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS:
(PER CODE SECTION 602.1 - TABLES 601 AND 602)

TYPE VA CONSTRUCTION:	
STRUCTURAL FRAME	1 HOURS
BEARING WALLS - EXTERIOR	0 HOURS (TABLE 602 FIRE SEPARATION > 30')
BEARING WALLS - INTERIOR	1 HOURS
NONBEARING WALLS - EXTERIOR	0 HOURS (TABLE 602 FIRE SEPARATION > 30')
NONBEARING WALLS - INTERIOR	0 HOURS (SEE 602.4.6)
FLOOR CONSTRUCTION	1 HOURS
ROOF CONSTRUCTION	1 HOURS

FIRE RESISTIVE CONSTRUCTION:
(PER CODE SECTION 708 AND TABLE 1004.3.2.1)

FIRE PARTITIONS:
CORRIDOR WALLS = 1 HOUR REQUIRED
OCCUPANT LOAD SERVED BY CORRIDOR: ALL

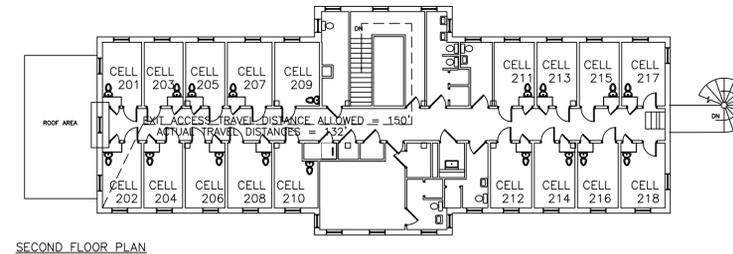
INTERIOR WALL AND FINISH REQUIREMENTS BY OCCUPANCY:
(PER CODE SECTION 803.5 AND 804 + NOTES A,B,C)
VERTICAL EXITS AND EXIT PASSAGEWAYS CLASS C
EXIT ACCESS CORRIDORS AND OTHER EXITWAYS CLASS B
ROOMS AND ENCLOSED SPACES CLASS C

INTERIOR FLOOR FINISH:
(PER CODE SECTION 804.5.1)
INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS: CLASS I

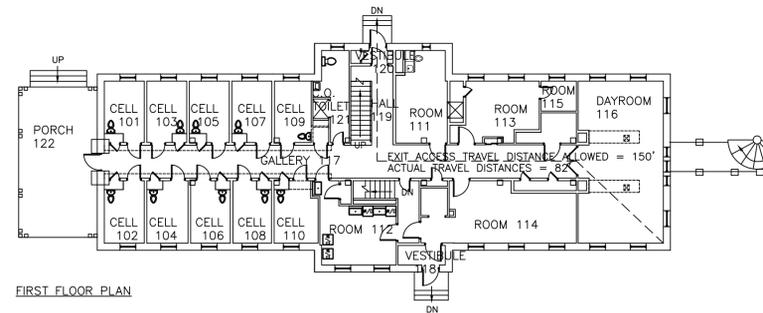
FIRE ALARM AND DETECTION SYSTEMS
(PER CODE SECTION 907.2.6.2)
GROUP 1-3 OCCUPANCIES SHALL BE EQUIPPED WITH A MANUAL FIRE ALARM SYSTEM AND AUTOMATIC FIRE DETECTION SYSTEM INSTALLED FOR ALERTING STAFF

EXIT LIGHTS:
(PER CODE SECTION 1003.2.10)
REQUIRED PROVIDED

EMERGENCY LIGHTING:
(PER CODE SECTION 1003.2.11)
REQUIRED PROVIDED (BATTERY BACKUP)



SECOND FLOOR PLAN



FIRST FLOOR PLAN

1 FLOOR PLANS & CODE INFORMATION
G-002 SCALE: 1/16" = 1'-0"

2010 FIRE CODE OF NEW YORK STATE

PORTABLE FIRE EXTINGUISHERS:
(PER SECTION 906 AND TABLE 906.3(1) REFER TO NYS BUILDING CODE SECTION 906)

PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: SPECIAL-HAZARD AREAS INCLUDING MECHANICAL RM. & ELECTRICAL RM. DUE TO 75 FOOT MAXIMUM TRAVEL DISTANCE REQUIREMENT, ADDITIONAL EXTINGUISHERS WILL BE REQUIRED AND LOCATED WITHIN CORRIDOR, TYPICAL.

NOTE: PORTABLE FIRE EXTINGUISHERS (NOT IN CONTRACT). PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED BY THE FACILITY.



DESIGN & CONSTRUCTION

CONSULTANT

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

CONTRACT:

CONSTRUCTION

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:	45384 - C
DESIGNED BY:	JAC
DRAWN BY:	RBP
FIELD CHECK:	
APPROVED:	
SHEET TITLE:	BUILDING GENERAL PLAN AND CODE INFORMATION

DRAWING NUMBER:
G-002

SHEET OF

CONSULTANT

PRELIMINARY DOCUMENTS
NOT FOR BIDDING

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1/7/2016 1:00PM
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CONSTRUCTION

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

12/26/2015 BID DOCUMENT

MARK DATE DESCRIPTION

PROJECT NUMBER: 45384 - C

DESIGNED BY:

DRAWN BY:

FIELD CHECK:

APPROVED:

SHEET TITLE:

EXISTING CONDITIONS NOTES

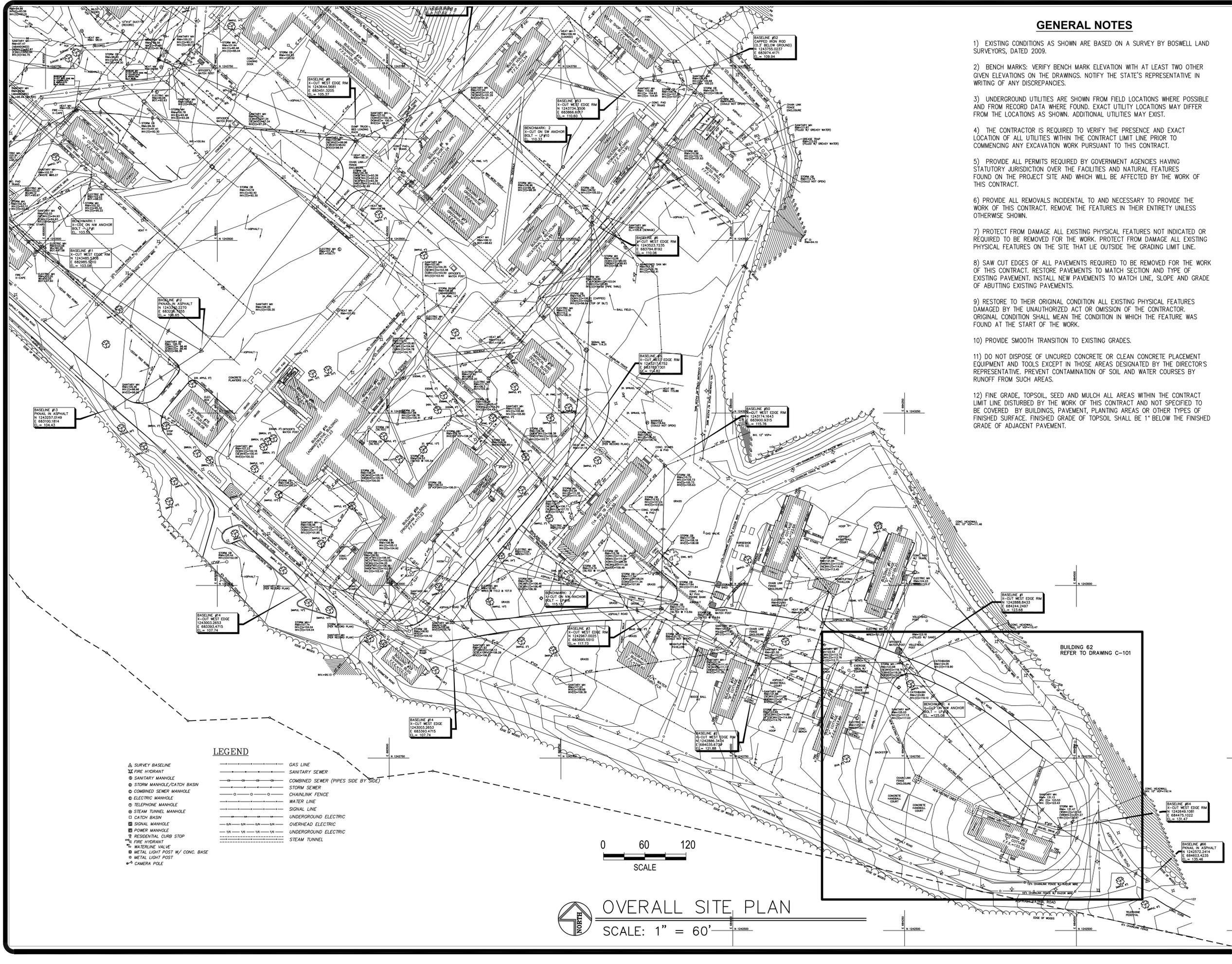
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C-100

SHEET 1 OF 9

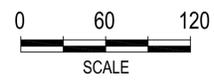
GENERAL NOTES

- EXISTING CONDITIONS AS SHOWN ARE BASED ON A SURVEY BY BOSWELL LAND SURVEYORS, DATED 2009.
- BENCH MARKS: VERIFY BENCH MARK ELEVATION WITH AT LEAST TWO OTHER GIVEN ELEVATIONS ON THE DRAWINGS. NOTIFY THE STATE'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES.
- UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATIONS WHERE POSSIBLE AND FROM RECORD DATA WHERE FOUND. EXACT UTILITY LOCATIONS MAY DIFFER FROM THE LOCATIONS AS SHOWN. ADDITIONAL UTILITIES MAY EXIST.
- THE CONTRACTOR IS REQUIRED TO VERIFY THE PRESENCE AND EXACT LOCATION OF ALL UTILITIES WITHIN THE CONTRACT LIMIT LINE PRIOR TO COMMENCING ANY EXCAVATION WORK PURSUANT TO THIS CONTRACT.
- PROVIDE ALL PERMITS REQUIRED BY GOVERNMENT AGENCIES HAVING STATUTORY JURISDICTION OVER THE FACILITIES AND NATURAL FEATURES FOUND ON THE PROJECT SITE AND WHICH WILL BE AFFECTED BY THE WORK OF THIS CONTRACT.
- PROVIDE ALL REMOVALS INCIDENTAL TO AND NECESSARY TO PROVIDE THE WORK OF THIS CONTRACT. REMOVE THE FEATURES IN THEIR ENTIRETY UNLESS OTHERWISE SHOWN.
- PROTECT FROM DAMAGE ALL EXISTING PHYSICAL FEATURES NOT INDICATED OR REQUIRED TO BE REMOVED FOR THE WORK. PROTECT FROM DAMAGE ALL EXISTING PHYSICAL FEATURES ON THE SITE THAT LIE OUTSIDE THE GRADING LIMIT LINE.
- SAW CUT EDGES OF ALL PAVEMENTS REQUIRED TO BE REMOVED FOR THE WORK OF THIS CONTRACT. RESTORE PAVEMENTS TO MATCH SECTION AND TYPE OF EXISTING PAVEMENT. INSTALL NEW PAVEMENTS TO MATCH LINE, SLOPE AND GRADE OF ABUTTING EXISTING PAVEMENTS.
- RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING PHYSICAL FEATURES DAMAGED BY THE UNAUTHORIZED ACT OR OMISSION OF THE CONTRACTOR. ORIGINAL CONDITION SHALL MEAN THE CONDITION IN WHICH THE FEATURE WAS FOUND AT THE START OF THE WORK.
- PROVIDE SMOOTH TRANSITION TO EXISTING GRADES.
- DO NOT DISPOSE OF UNCURED CONCRETE OR CLEAN CONCRETE PLACEMENT EQUIPMENT AND TOOLS EXCEPT IN THOSE AREAS DESIGNATED BY THE DIRECTOR'S REPRESENTATIVE. PREVENT CONTAMINATION OF SOIL AND WATER COURSES BY RUNOFF FROM SUCH AREAS.
- FINE GRADE, TOPSOIL, SEED AND MULCH ALL AREAS WITHIN THE CONTRACT LIMIT LINE DISTURBED BY THE WORK OF THIS CONTRACT AND NOT SPECIFIED TO BE COVERED BY BUILDINGS, PAVEMENT, PLANTING AREAS OR OTHER TYPES OF FINISHED SURFACE. FINISHED GRADE OF TOPSOIL SHALL BE 1" BELOW THE FINISHED GRADE OF ADJACENT PAVEMENT.

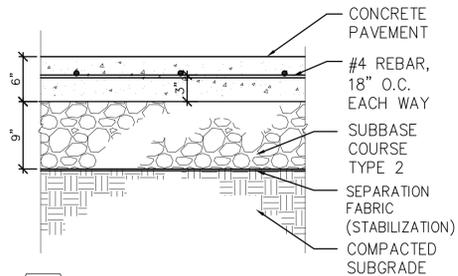


LEGEND

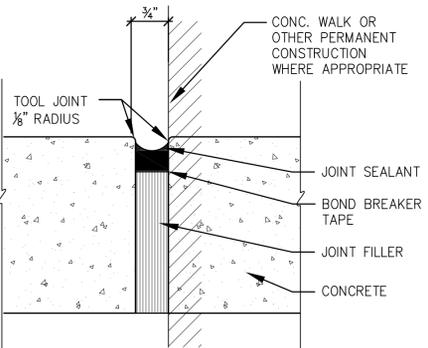
- ▲ SURVEY BASELINE
- FIRE HYDRANT
- SANITARY MANHOLE
- ⊙ STORM MANHOLE/CATCH BASIN
- ⊙ COMBINED SEWER MANHOLE
- ⊙ ELECTRIC MANHOLE
- ⊙ TELEPHONE MANHOLE
- ⊙ STEAM TUNNEL MANHOLE
- CATCH BASIN
- ⊙ SIGNAL MANHOLE
- ⊙ POWER MANHOLE
- ⊙ RESIDENTIAL CURB STOP
- FIRE HYDRANT
- ⊙ WATERLINE VALVE
- ⊙ METAL LIGHT POST W/ CONC. BASE
- ⊙ METAL LIGHT POST
- ⊙ CAMERA POLE
- GAS LINE
- SANITARY SEWER
- COMBINED SEWER (PIPES SIDE BY SIDE)
- STORM SEWER
- CHAINLINK FENCE
- WATER LINE
- SIGNAL LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- STEAM TUNNEL



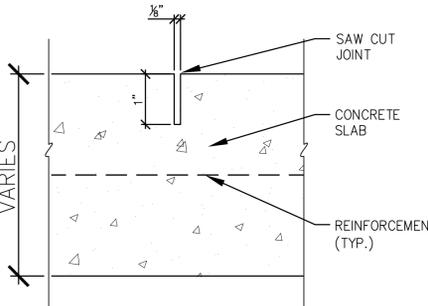
OVERALL SITE PLAN
SCALE: 1" = 60'



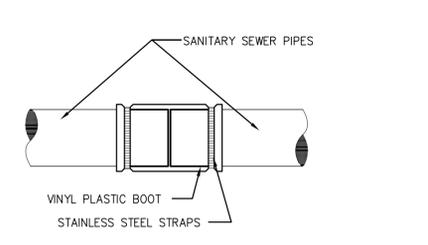
1 CONCRETE WALK
C-501 NOT TO SCALE BAR REINFORCED



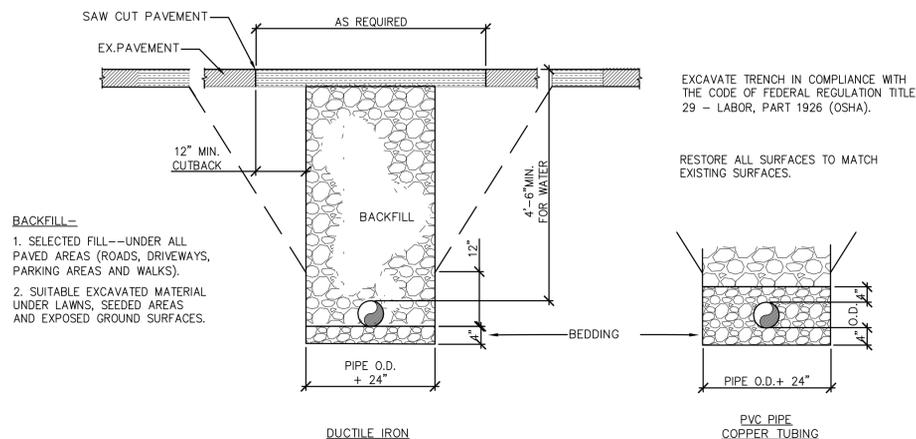
2 EXPANSION JOINT
C-501 NOT TO SCALE



3 SAWED CONTROL JOINT
C-501 NOT TO SCALE



7 SEWER PIPE CONNECTION
C-501



BACKFILL—
1. SELECTED FILL—UNDER ALL PAVED AREAS (ROADS, DRIVEWAYS, PARKING AREAS AND WALKS).
2. SUITABLE EXCAVATED MATERIAL UNDER LAWNS, SEEDED AREAS AND EXPOSED GROUND SURFACES.

4 TRENCHING — DIP & PVC PIPING
C-501

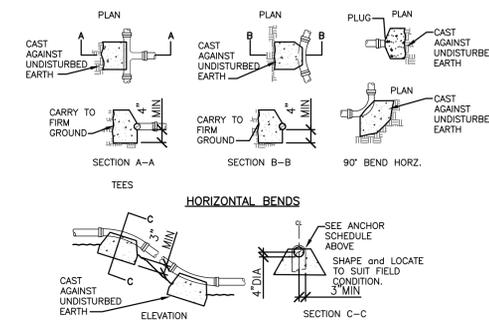


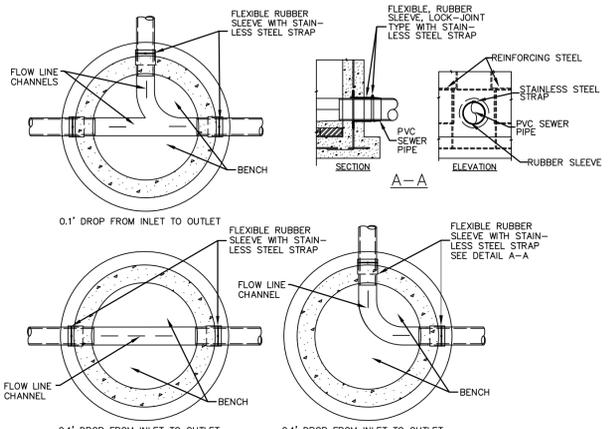
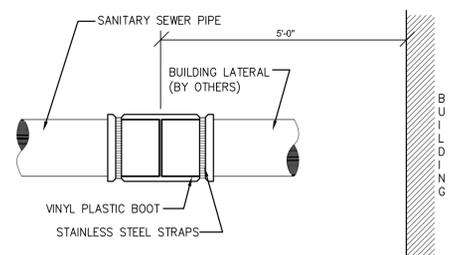
TABLE 1
MINIMUM THRUST BLOCK AREAS REQUIRED AT PIPE BENDS AND PLUGS IN GRANULAR SOILS WITH A SAFE BEARING LOAD OF 2000 POUNDS PER SQUARE FOOT

PIPE I.D. INCHES	PLUG or TEE	90° BEND	60° BEND	45° BEND	30° BEND	22-1/2° BEND	11-1/4° BEND	5-5/8° BEND
4"		1	1	1	1	1/2	-	-

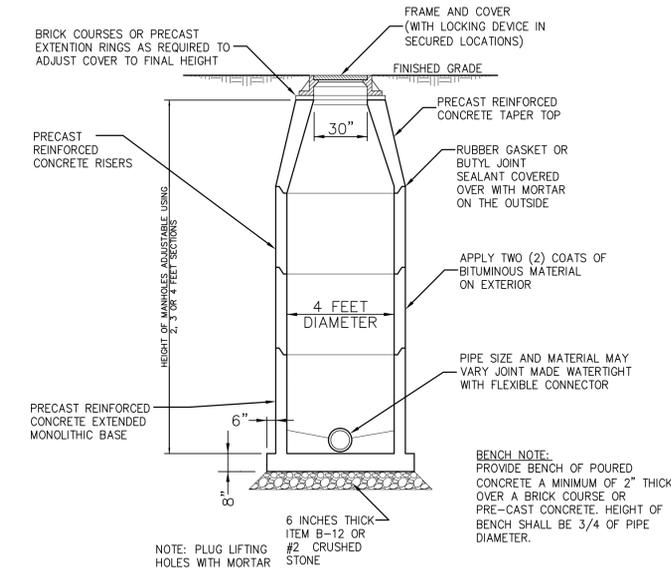
TABLE 2
SAFE BEARING LOADS OF SOILS AND MULTIPLICATION FACTORS FOR MODIFICATION OF THRUST BLOCK AREAS

SOIL	SAFE BEARING LOAD PSF	FACTOR
MUCK, PEAT	0	-
SOFT CLAY	500	4.00
SAND	1000	2.00
SAND and GRAVEL	1500	1.33
SAND and GRAVEL CEMENTED w/ CLAY	2000	1.00
SHALE	5000	0.40

5 THRUST BLOCK DETAIL
C-501/ NO SCALE



9 BENCH DETAILS
C-501



8 MANHOLE DETAIL
C-501

EROSION CONTROL NOTES

POLLUTION PREVENTION MEASURES

- TAKE THE FOLLOWING STEPS TO PREVENT LITTER, CHEMICALS AND DEBRIS FROM ENTERING STORM DRAINS AND DISCHARGES:
- PROPERLY INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES AS OUTLINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
 - PROPERLY CONTAIN AND DISPOSE OF ALL MATERIALS USED ON SITE.
 - CLEAN UP SPILLS IMMEDIATELY TO MINIMIZE SAFETY HAZARD AND PREVENT SPREADING.
 - CONTROL LITTER BY SWEEPING AND PICKING IT UP DAILY.
 - IF POSSIBLE, DO NOT STORE FUEL OR PETROLEUM PRODUCTS ON-SITE. IF FUEL/PETROLEUM PRODUCTS ARE STORED ON SITE:
 - USE SECONDARY CONTAINMENT MEASURES.
 - HAVE EQUIPMENT ON SITE TO CONTAIN AND CLEAN UP SPILLS IN FUEL STORAGE AREAS OR ON BOARD MAINTENANCE AND FUELING VEHICLES.
 - CONTAIN AND CLEAN UP SPILLS IMMEDIATELY.
 - USE PREVENTATIVE MAINTENANCE FOR ON-SITE EQUIPMENT.
 - OVERSEE ALL FILLING OPERATIONS.
 - PRACTICE GOOD HOUSEKEEPING AND EDUCATE EMPLOYEES ON POLLUTION PREVENTION MEASURES.
 - STORE ON-SITE MATERIALS AND CHEMICALS IN NEAT AND ORDERLY MANNER AND IN AREAS DESIGNATED FOR SUCH STORAGE.
 - ROUTINELY DISPOSE OF GARBAGE, RUBBISH, CONSTRUCTION WASTE AND SANITARY WASTE.
 - PROMPTLY CLEAN UP ANY SPILLS.
 - CLEANUP SEDIMENTS TRACKED ONTO ROADWAYS OR THAT HAVE TRANSPORTED BY STORM WATER OR WIND TO OTHER AREAS OR ADJACENT PROPERTIES.
 - EMPLOY DUST CONTROL METHODS.
 - FOR CONSTRUCTION WASTE:
 - SELECT A DESIGNATED WASTE AREA COLLECTION ON SITE.
 - PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER CONTAINERS PRIOR TO RAINFALL.
 - WHEN POSSIBLE, LOCATE CONTAINERS IN A COVERED AREA.
 - ARRANGE FOR WASTE COLLECTION PRIOR TO CONTAINER OVERFLOW.
 - IF A CONTAINER DOES SPILL, CLEAN UP IMMEDIATELY. CONSTRUCTION WASTE SHALL BE COLLECTED, REMOVED AND DISPOSED OF ONLY IN AUTHORIZED DISPOSAL AREAS.
 - DISPOSAL METHODS SHALL MEET THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL AUTHORITIES.
 - PROVIDE AND MAINTAIN TEMPORARY SANITARY FACILITIES. DOMESTIC WASTE HAULERS SHALL BE CONTRACTED TO REGULARLY REMOVE THE SANITARY WASTES AND TO MAINTAIN THE FACILITIES IN GOOD WORKING ORDER.
 - IF FERTILIZERS OR DETERGENTS ARE USED ON SITE:
 - LIMIT THE APPLICATIONS OF FERTILIZERS TO THE MINIMUM AREA REQUIRED AND USE THE MINIMUM RECOMMENDED AMOUNTS.
 - REDUCE THE EXPOSURE OF NUTRIENTS TO STORM WATER RUNOFF BY WORKING THE FERTILIZER INTO SOIL.
 - APPLY FERTILIZER MORE FREQUENTLY BUT AT LOWER APPLICATION RATES.
 - HYDROSEEDING WHERE LIME AND FERTILIZERS ARE APPLIED TO THE GROUND SURFACE IN ONE APPLICATION SHOULD BE LIMITED WHERE POSSIBLE.
 - LIMIT THE USE OF DETERGENTS ON-SITE: WASH WATER CONTAINING DETERGENTS SHALL NOT BE DISCHARGED INTO THE STORM WATER SYSTEM.
 - APPLY FERTILIZERS AND DETERGENTS ONLY IN THE RECOMMENDED MANNER AND ONLY IN THE RECOMMENDED AMOUNTS.

ON SITE MATERIAL STORAGE

UTILIZE THE POLLUTION PREVENTION MEASURES OUTLINED ABOVE TO PREVENT POLLUTANTS FROM STORED MATERIALS FROM DISCHARGING OFF-SITE.

DESCRIPTION OF EROSION AND SEDIMENT CONTROL PRACTICES

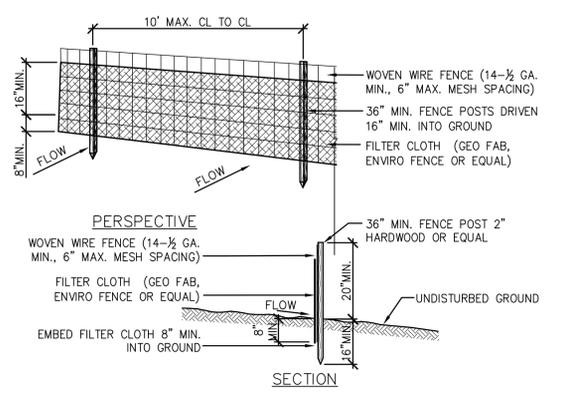
- SILT FENCE:** SILT FENCE REDUCES RUNOFF VELOCITY AND CAUSES SETTLING OF SEDIMENT. INSTALL SILT FENCE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL AROUND ANY STOCKPILED SOIL MATERIALS.
- TEMPORARY SEEDING:** TEMPORARY SEEDING REDUCES EROSION AND SEDIMENT LOSS FROM BARE GROUND. PROVIDE TEMPORARY SEEDING TO PROVIDE TEMPORARY COVER FOR DISTURBED EARTH OR SOIL STOCKPILES HELD FOR LONGER THAN 7 DAYS. TEMPORARY SHUT DOWN OF CONSTRUCTION OR WAITING FOR OPTIMAL PLANTING TIME. IN SPRING, SUMMER OR EARLY FALL APPLY RYE GRASS AT A RATE OF 1 LB / 1000 SQ. FT. IN LATE FALL OR EARLY SPRING, APPLY CERTIFIED ARDOSTOOK RYE AT 2.5 LBS. / 1000 SQ. FT. APPLY HAY OR STRAW AT 2 BALES / 1000 SQ. FT OR WOOD FIBER HYDROMULCH AT MANUFACTURER'S RECOMMENDED RATE. HAY OR STRAW SHALL BE ANCHORED.
- DUST CONTROL:** TEMPORARY AND PERMANENT STABILIZATION MEASURES, SUCH AS SEEDING, MULCHING AND INSTALLING EROSION AND SEDIMENT CONTROL BLANKETS, WILL PREVENT DUST FROM BLOWING OFF SITE. INSTALL THESE MEASURES AS SOON AS FINAL GRADES ARE REACHED AND ON SOIL STOCKPILES AND DISTURBED AREAS TO BE LEFT FOR LONGER THAN 7 DAYS.
- PERMANENT SEEDING:** PERMANENT SEEDING PREVENTS SOIL EROSION FROM BARE SOIL. ONCE FINAL GRADING OF AN AREA HAS BEEN COMPLETED, SEEDING SHALL TAKE PLACE IMMEDIATELY.

EROSION AND SEDIMENT CONTROL PRACTICES IMPLEMENTATION SCHEDULE

PRACTICE	INITIAL PLACEMENT	DURATION OF USE
SILT FENCE	PRIOR TO CONSTRUCTION ACTIVITIES	UNTIL SITE STABILIZATION
TEMPORARY SEEDING	BARE EARTH & SOIL STOCK PILES TO BE INACTIVE FOR 14 DAYS OR LONGER	UNTIL FINAL GRADING & SEEDING OR USE OF STOCK PILE
DUST CONTROL	COMMENCEMENT OF CONSTRUCTION ACTIVITIES	SITE STABILIZATION

EROSION AND SEDIMENT CONTROL DEVICE MAINTENANCE

- CONSTRUCTION DURATION**
ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WEEKLY.
- SILT FENCE SHALL BE REPLACED WHEN TORN, IS BULGING OR NO LONGER MEETING THE INSTALLATION DETAILS.
- PROJECT COMPLETION**
AT PROJECT COMPLETION AND PRIOR TO PROJECT CLOSE OUT, INSPECT ALL PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES.
- ACCEPTABLE VEGETATION ESTABLISHMENT IN ACCORDANCE WITH SPECIFICATION.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.
- POSTS:** STEEL, EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14-1/2 GAUGE, 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR PREFABRICATED GEOFAB, ENVIROFENCE OR APPROVED EQUAL

6 SILT FENCE
C-501

CONSULTANT

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

CONTRACT: CONSTRUCTION
TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

12/26/2015 BID DOCUMENT
MARK DATE DESCRIPTION
PROJECT NUMBER: 45384 - C
DESIGNED BY: DM
DRAWN BY: DM
FIELD CHECK:
APPROVED:
SHEET TITLE: DETAILS AND EROSION CONTROL

DRAWING NUMBER: C-501
SHEET 3 OF 9

**DIVISION 1
GENERAL NOTES**

1. DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
2. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. REPORT DISCREPANCIES TO THE DIRECTOR'S REPRESENTATIVE.
3. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
4. THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONSTRUCTION SAFETY IS THE CONTRACTOR'S RESPONSIBILITY.
5. THIS WORK HAS BEEN DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE OF NEW YORK STATE 2010".
6. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE FAILURE TO PROPERLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.

**DIVISION - 2
EARTHWORK - SITE WORK**

1. SLABS ON GRADE SHALL BE PLACED OVER SUBBASE MATERIAL IN ACCORDANCE WITH SPECIFICATION SECTION 310000.
2. NET ALLOWABLE SOIL BEARING CAPACITY = 2000 P.S.F.

**DIVISION - 3
CONCRETE**

1. ALL CONCRETE WORK REPRESENTED BY THESE NOTES AND DETAILS SHALL CONFORM TO THE LATEST REVISION OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
2. DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
3. WHERE REINFORCING IS NOT SHOWN ON THE DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS AS DETERMINED BY THE DIRECTOR'S REPRESENTATIVE. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY THE APPLICABLE CODES. UNLESS NOTED OTHERWISE.
4. CONCRETE WALLS SHALL ATTAIN A MINIMUM STRENGTH OF 70% f_c BEFORE PLACING BACKFILL AGAINST THEM.
5. PROVIDE CORNER BARS IN CONT. FOOTINGS. THE SAME SIZE AND NUMBER AS THE CONTINUOUS REINFORCEMENT. LAPPED 2'-0" WITH MAIN REINFORCEMENT.
6. LAP CONT. FOOTING REINFORCEMENT 24" LAP AT SPLICES.
7. CORNERS OF CONCRETE WALLS SHALL BE REINFORCED WITH ANGLE BARS THE SAME SIZE AND SPACING AS LARGEST CALLED FOR IN ADJACENT WALLS. THESE BARS SHALL BE AT LEAST 4'-0" LONG AND SHALL LAP OTHER BARS AT LEAST 18".
8. FIRST HORIZONTAL BAR SHALL BE PLACED 6" ABOVE TOP OF FOOTING AND LAST HORIZ. BAR SHALL BE PLACED 2" BELOW TOP OF WALL.
9. PROVIDE PIPE SLEEVES IN FOUNDATION WALLS (NOT THROUGH PIERS) WHERE REQUIRED. COORDINATE SLEEVE LOCATIONS, SIZES AND INVERTS AND LOCATIONS OF FOOTING STEPS AT UTILITY LINES WITH PRIME CONTRACTORS.
10. SLABS ON GRADE SHALL BE PLACED OVER SUBBASE MATERIAL IN ACCORDANCE WITH SPECIFICATION SECTION 310000.
11. SAWCUT CONTROL JOINTS INDICATED ON FOUNDATION PLANS WITHIN 18 HOURS OF PLACEMENT.

**DIVISION - 3 (CONT.)
CONCRETE**

12. DO NOT USE CONTRACT DRAWINGS FOR SETTING ANCHOR BOLTS AND LEVELING PLATES. USE APPROVED OR APPROVED AS NOTED ANCHOR BOLT AND BASE PLATE PLANS AS SUBMITTED BY THE STRUCTURAL STEEL FABRICATOR FOR SETTING ANCHOR BOLTS AND LEVELING PLATES.
13. PLACE 1/2" EXPANSION JOINT MATERIAL BETWEEN EDGES OF SLABS AND VERTICAL SURFACES UNLESS OTHERWISE NOTED. PROVIDE 1/4" DEEP TYPE 1B SEALANT ABOVE EXPANSION JOINT MATERIAL AT ALL EXPOSED INTERIOR JOINTS.
14. PROVIDE 2-#5 BARS x 4'-0" LONG, AT EACH FACE, OF RECTANGULAR OPENINGS IN EXCESS OF 12" IN ANY DIRECTION IN CAST-IN-PLACE CONCRETE WALLS. POSITION BARS AT 45° TO VERTICAL REINFORCING STEEL.
15. AIR-ENTRAINING, WATER-REDUCING OR HIGH RANGE WATER-REDUCING, SHALL BE ADDED TO CONCRETE, SLABS ON GRADE, FOOTINGS, FOUNDATION WALLS AND, OR GRADE BEAMS.
16. WHEN TEMPERATURE CONDITIONS REQUIRE IT, ADMIXTURES FOR ACCELERATING AND RETARDING SETTING UP AND CURING OF CONCRETE SHALL BE PLACED AS SPECIFIED IN ACI306R, STANDARD PRACTICE FOR COLD WEATHER CONCRETING, AND ACI305R "HOT WEATHER CONCRETE".

**DIVISION - 4
MASONRY**

1. ALL MASONRY WORK REPRESENTED BY THESE NOTES AND DETAILS SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530-95/ASCE 5-95. COMPOSITION, QUALITY, STORAGE, HANDLING, PREPARATION AND PLACEMENT OF MATERIALS, QUALITY ASSURANCE OF THE MATERIALS AND MASONRY, AND THE CONSTRUCTION OF THE MASONRY SHALL COMPLY WITH ACI 530.1-95/ASCE 6-95/TMS 602-95.
2. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 - a) AT THE BOTTOMS AND THE TOPS OF ALL WALL OPENINGS. REINFORCEMENT AT THE TOP OF OPENINGS SHALL ALSO ACT AS THE LINTEL, UNLESS OTHERWISE NOTED. MINIMUM BEARING SHALL BE 8" TO EACH SIDE OF OPENINGS.
 - b) AT STRUCTURAL CONNECTIONS, ROOF AND FLOOR LEVELS.
 - c) AT THE BOTTOM OF THE WALL. HORIZONTAL REINFORCEMENT SHALL CONSIST OF A #5 REINFORCING BAR GROUTED SOLID INTO EACH BOND BEAM COURSE AS DETAILED. PROVIDE CORNER BARS IN BOND BEAMS THE SAME SIZE AND NUMBER AS THE CONTINUOUS REINFORCEMENT, LAPPED 2'-0" WITH MAIN REINFORCEMENT.
3. VERTICAL REINFORCEMENT SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 - a) AT EACH CORNER
 - b) AT EACH SIDE OF EACH OPENING.
 - c) AT EACH SIDE OF CONTROL JOINTS.
 - d) AT 8" o.c. IN SECURITY WALLS.
 - e) AS DETAILED ON THE DRAWINGS.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS. CERTAIN ELEVATIONS AND LOCATIONS OF EXISTING STRUCTURES MUST BE ESTABLISHED BEFORE ANY WORK MAY BEGIN. FIELD VERIFIED INFORMATION MUST BE INCORPORATED INTO SHOP DRAWING SUBMITTALS.
5. MINIMUM COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY, f_m IS 1500 P.S.I.
6. REINFORCED CONCRETE MASONRY LINTELS AND BOND BEAMS SHALL BE CONSTRUCTED OUT OF NORMAL/REGULAR UNITS CUT TO FORM THE TROUGH. BOND BEAM BLOCKS SHALL BE USED AS THE FIRST COURSE OVER WINDOW AND DOOR OPENINGS.
7. GROUT SOLID THE TOP TWO COURSES OF BLOCK DIRECTLY UNDER LINTEL BEARING SURFACES.
8. BEAR ALL PRECAST LINTELS A MINIMUM OF 8" EACH END, UNLESS NOTED OTHERWISE. BEAR ALL STEEL LINTELS A MINIMUM OF 6" EACH END, UNLESS NOTED OTHERWISE.
9. PROVIDE LINTEL TYPE PER LINTEL DETAILS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR WALLS, INCLUDING LOUVERS, UNLESS DETAILED OTHERWISE. SEE ARCHITECTURAL DRAWING FOR LOUVER LOCATIONS.

**DIVISION - 4 (CONT.)
MASONRY**

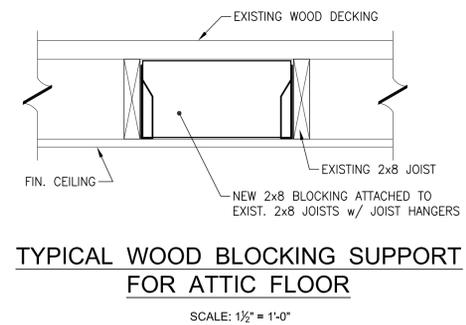
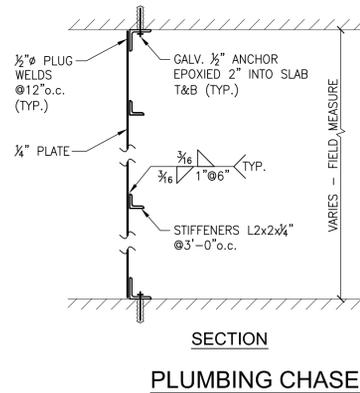
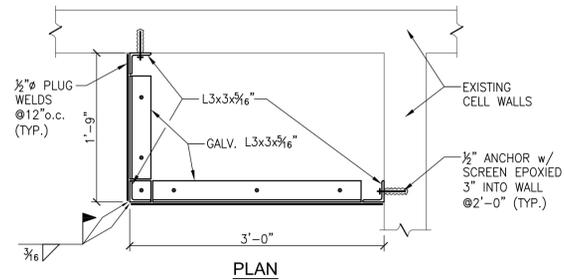
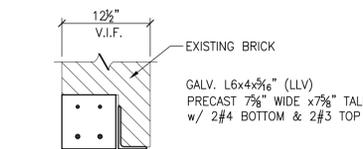
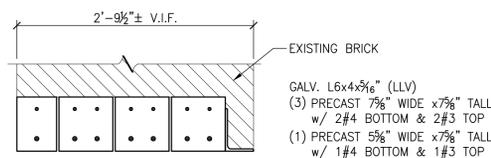
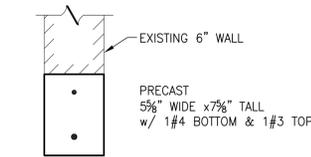
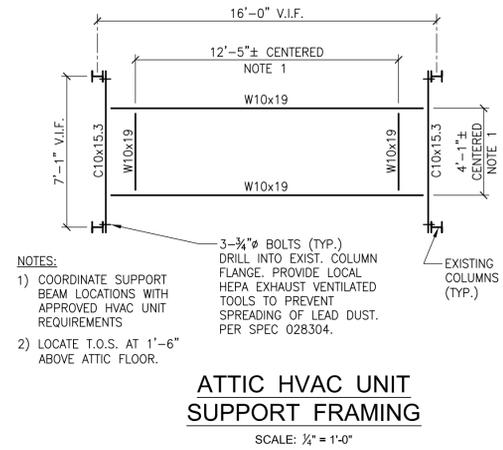
10. OPENINGS FOR ROUND DUCTS, PIPING AND ELECTRICAL CONDUIT BETWEEN 4 AND 12 INCHES IN DIAMETER SHALL BE SLEEVED WITH SCHEDULE 40 STEEL PIPE AND COORDINATED WITH THE E, H, AND P CONTRACTORS.
11. MASONRY REINFORCED WALLS TO BE REINFORCED HORIZONTALLY AND VERTICALLY. FILL ALL CORES AND CAVITIES CONTAINING STEEL SOLIDLY WITH FINE GROUT.
12. PLACE MORTAR ON CROSSWEBS ADJACENT TO CORES TO BE FILLED WITH GROUT.
13. WALLS TO BE LAID UP TO A HEIGHT NOT TO EXCEED 4'-8". PLACE REINFORCING BARS AND EXTEND THEM 48 BAR DIAMETERS ABOVE LIFT. REINFORCING BARS TO BE HELD IN PLACE WITH AA WIRE PRODUCTS COMPANY REBAR POSITIONER AA225 OR EQUAL (2 REQUIRED PER LIFT). LEVEL OF GROUT TO BE KEPT 1/2" FROM TOP OF MASONRY IN ORDER TO FORM A KEY WITH SUCCEEDING GROUT POURS. CORES w/GROUT ARE TO BE VIBRATED WITH A PENCIL VIBRATOR DURING PLACEMENT AND AGAIN TO 15 MINUTES AFTER INITIAL PLACEMENT.
14. GROUT USED TO FILL BLOCK CORES IS TO BE FINE OR COARSE GROUT CONFORMING TO THE REQUIREMENTS OF ASTM C 476 AND TO BE TESTED PER ASTM C 1019. MINIMUM GROUT STRENGTH TO BE THE GREATER OF 2500 p.s.i. AND THE SPECIFIED PRISM STRENGTH. MINIMUM SLUMP IS 8", MAXIMUM SLUMP IS 11", WHEN TESTED PER ASTM C 1611. PROVIDE FINE GROUT IN CORES OF 6" CMU OR SMALLER. PROVIDE COARSE GROUT FOR REINFORCED CORES IN 8" CMU AND LARGER.
15. FILL CORES AT JAMBS OF DOORS & WINDOWS.
16. HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CORNERS, INTERSECTIONS AND PILASTERS IN BRICK AND C.M.U.
17. REINFORCE MASONRY WALLS HORIZONTALLY EVERY OTHER COURSE WITH STANDARD THREE WIRE MASONRY WALL REINF., 9 GA. RODS.
18. ALL WALLS SHALL BE ANCHORED WITH #4 DOWELS AT 48" o.c. 4'-0" LONG. EMBED BARS 2" INTO CONC. SLAB, ON WHICH THE WALL BEARS. IF A DOWEL INTERFERES WITH A BLOCK WEB, BREAK OUT WEB AND FILL BOTH CORES WITH GROUT AT DOWEL.
19. ALL EXPOSED STEEL, STEEL LINTELS, OR STEEL WITHIN 4" OF WEATHERING FACE OF MASONRY IS TO BE GALVANIZED.

**DIVISION - 5
STEEL**

1. ALL STEEL MEMBERS ARE DESIGNED USING A.S.D. (ALLOWABLE STRESS DESIGN) SPECIFICATION, JUNE 1, 1989.
2. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. CERTAIN ELEVATIONS AND LOCATIONS OF EXISTING STRUCTURES MUST BE ESTABLISHED BEFORE ANY WORK MAY BEGIN. FIELD VERIFIED INFORMATION MUST BE INCORPORATED INTO SHOP DRAWING SUBMITTALS.
3. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
4. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS, EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
5. ALL STRUCTURAL STEEL, INCLUDING HIGH STRENGTH BOLTS, SHALL COMPLY WITH DOMESTIC STEEL PROVISIONS OF ARTICLE 23 OF THE GENERAL CONDITIONS.
6. ALL EXPOSED EXTERIOR STEEL TO BE GALVANIZED.
7. HOT DIP GALVANIZE ALL STEEL LINTELS IN EXTERIOR WALLS.
8. COORDINATE LOCATION AND SIZE OF FRAMING FOR MECHANICAL EQUIPMENT SUPPORTS WITH APPROVED MECHANICAL EQUIPMENT SHOP DRAWINGS.
9. BOLTS FOR STRUCTURAL FRAMING AND STAIR CONNECTIONS ARE 3/4" Ø ASTM A325 BOLTS, UNLESS OTHERWISE NOTED.

**DIVISION - 6
WOOD**

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS. CERTAIN ELEVATIONS AND LOCATIONS OF EXISTING STRUCTURES MUST BE ESTABLISHED BEFORE ANY WORK MAY BEGIN. FIELD VERIFIED INFORMATION MUST BE INCORPORATED INTO SHOP DRAWING SUBMITTALS.
2. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.



- NOTE:
1) REMOVE AND REINSTALL WOOD DECKING AS REQUIRED TO INSTALL NEW BLOCKING.
2) LOCATE NEW BLOCKING AS REQUIRED TO BOX OUT NEW PENETRATIONS THRU 2ND FLOOR CEILING OR TO PROVIDE A STRUCTURAL MEMBER FOR REQUIRED FASTENERS GOING THROUGH 2ND FLOOR CEILING.
3) FOLLOW JOIST HANGER MANUFACTURERS REQUIREMENTS FOR FASTENER SIZE AND PLACEMENT.

CONSULTANT

WARNING:
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CONTRACT: CONSTRUCTION

TITLE: **VARIOUS SECURITY IMPROVEMENTS BUILDING 62**

LOCATION: **HUDSON CORRECTIONAL FACILITY HUDSON, NY**

CLIENT: **CORRECTIONS AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER: **45384 - C**
DESIGNED BY: **M.E.**
DRAWN BY: **JN**
FIELD CHECK:
APPROVED:

SHEET TITLE: **NOTES, PLANS, SECTIONS & DETAILS**

DRAWING NUMBER: **S-001**

CONSULTANT

WARNING:
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CONSTRUCTION

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

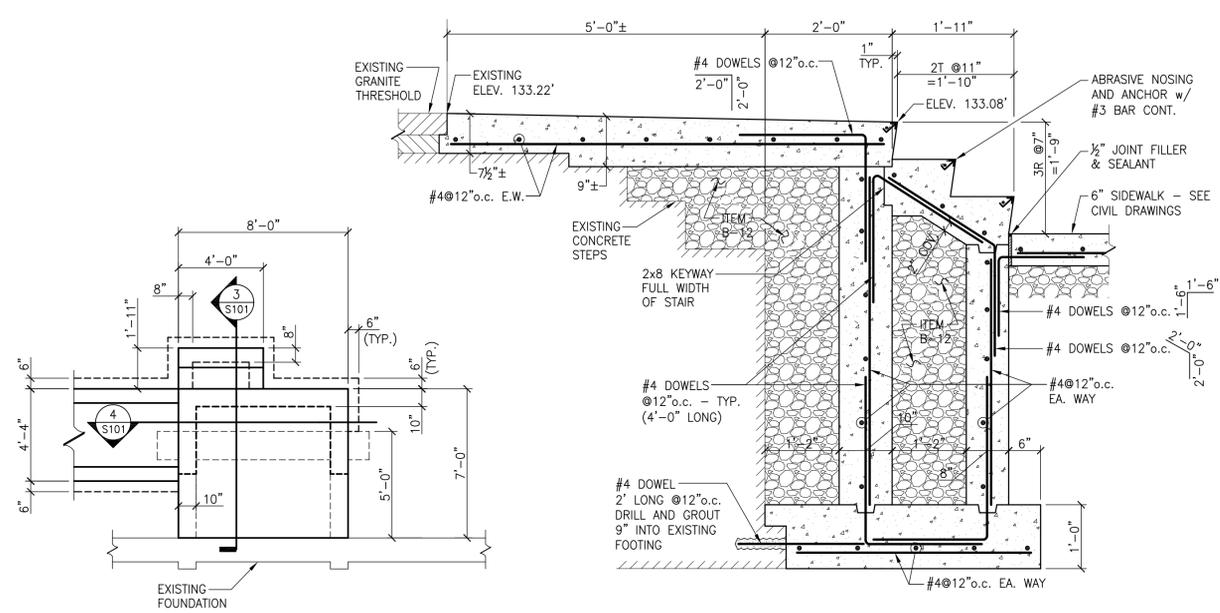
MARK	DATE	BID DOCUMENT
	12/26/2015	

PROJECT NUMBER:	45384 - C
DESIGNED BY:	M.E.
DRAWN BY:	JN
FIELD CHECK:	
APPROVED:	

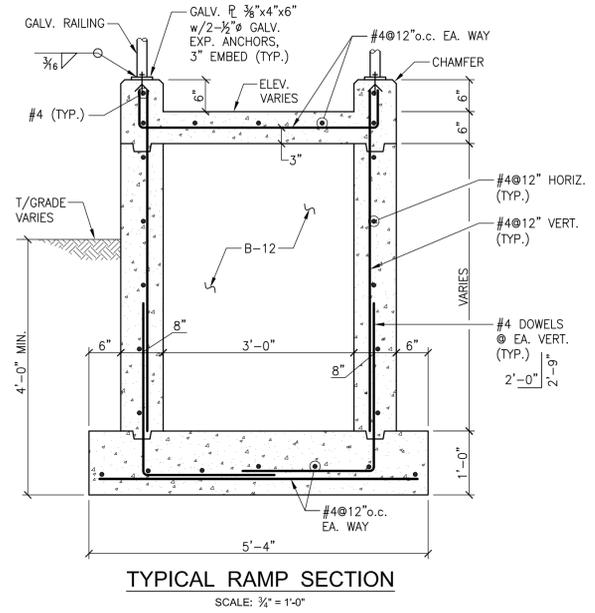
FOUNDATION PLAN SECTIONS AND DETAILS

DRAWING NUMBER:
S-101

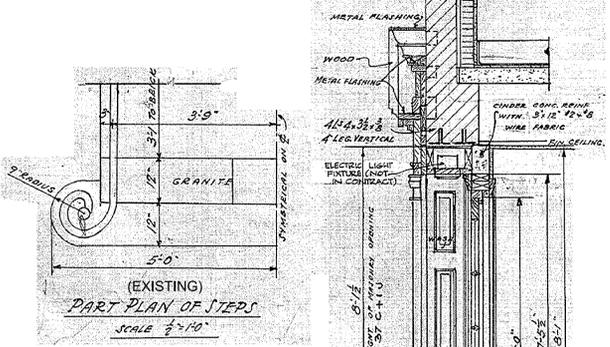
SHEET OF



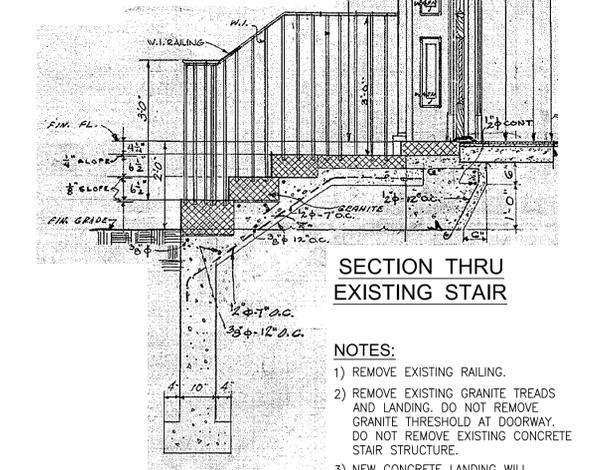
ENLARGED FOUNDATION PLAN @ FRONT ENTRANCE
SCALE: 1/2" = 1'-0"



TYPICAL RAMP SECTION
SCALE: 3/4" = 1'-0"



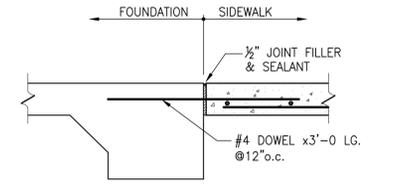
(EXISTING)
PART PLAN OF STEPS
SCALE: 3/4" = 1'-0"



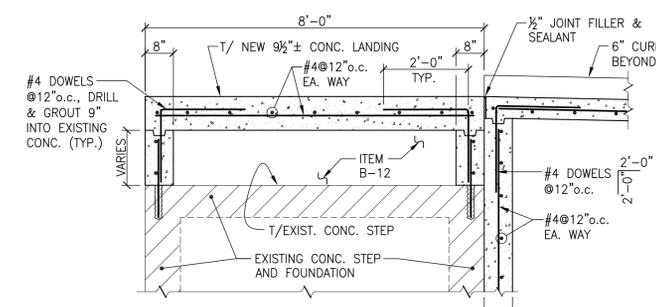
SECTION THRU EXISTING STAIR

NOTES:

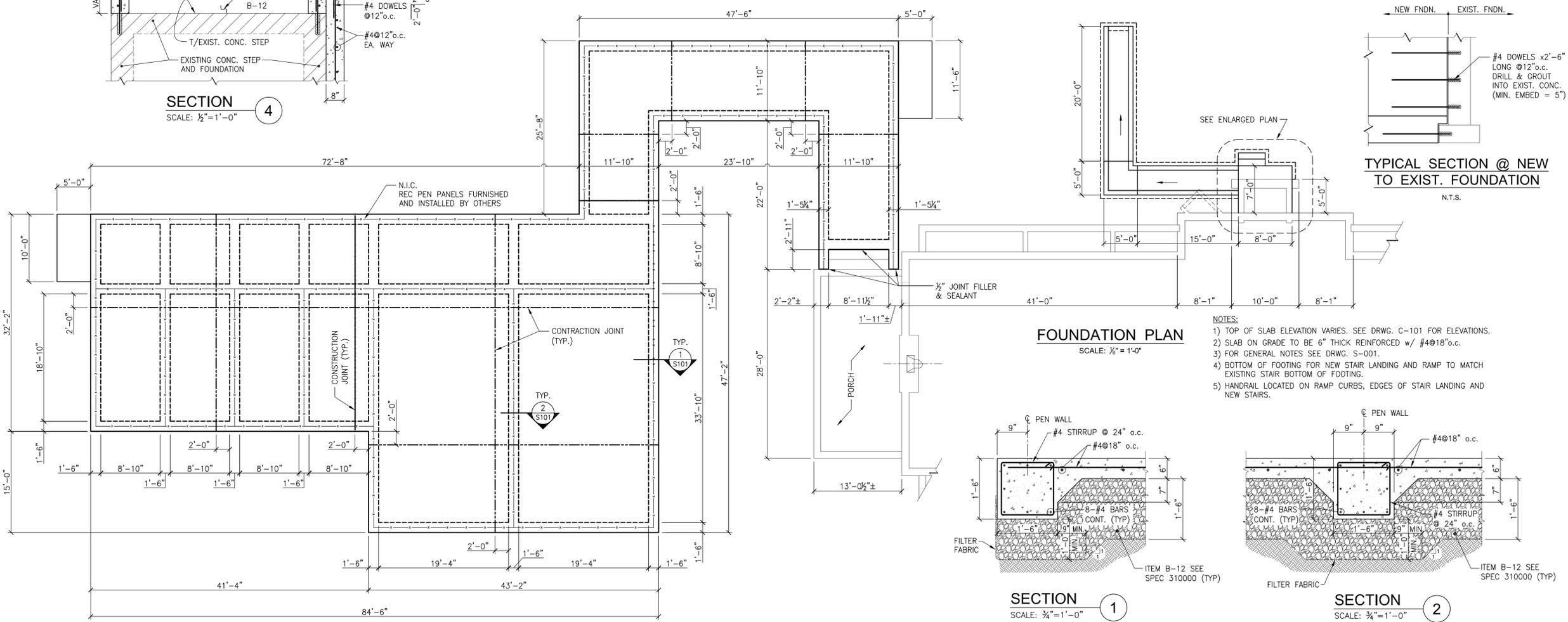
- 1) REMOVE EXISTING RAILING.
- 2) REMOVE EXISTING GRANITE TREADS AND LANDING. DO NOT REMOVE GRANITE THRESHOLD AT DOORWAY. DO NOT REMOVE EXISTING CONCRETE STAIR STRUCTURE.
- 3) NEW CONCRETE LANDING WILL BE TIED INTO EXISTING STAIR FOUNDATION.



TYPICAL JOINT BETWEEN SIDEWALK AND NEW FOUNDATION
SCALE: 3/4" = 1'-0"

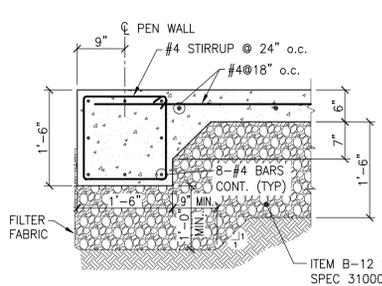


SECTION 4
SCALE: 1/2" = 1'-0"

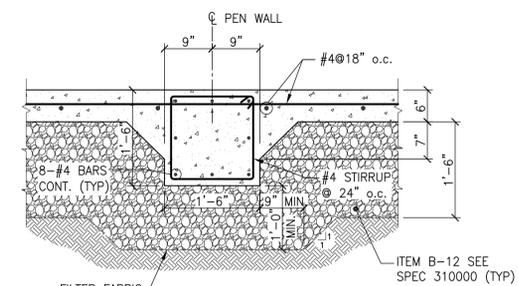


FOUNDATION PLAN
SCALE: 3/4" = 1'-0"

- NOTES:
- 1) TOP OF SLAB ELEVATION VARIES. SEE DRWG. C-101 FOR ELEVATIONS.
 - 2) SLAB ON GRADE TO BE 6" THICK REINFORCED W/ #4@18" o.c.
 - 3) FOR GENERAL NOTES SEE DRWG. S-001.
 - 4) BOTTOM OF FOOTING FOR NEW STAIR LANDING AND RAMP TO MATCH EXISTING STAIR BOTTOM OF FOOTING.
 - 5) HANDRAIL LOCATED ON RAMP CURBS, EDGES OF STAIR LANDING AND NEW STAIRS.



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



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

PRELIMINARY DOCUMENTS
NOT FOR BIDDING
PREBID SITE VISIT
1/7/2016 1:00 PM
CONTACT KAREN DISONELL
(518) 831-3111

LEGEND

- 6" CMU, SEE STRUCTURAL DWGS
- 5 — PHOTO INDICATOR
- OR — WALL REMOVALS
- PROVIDE WALL INFILL
- Ⓛ — DOOR DESIGNATION, SEE SCHEDULE ON A-601
- AD — ACCESS DOOR, SEE 5/A101
- /// — PROVIDE VCT FLOORING

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CONTRACT:

CONSTRUCTION

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

MARK

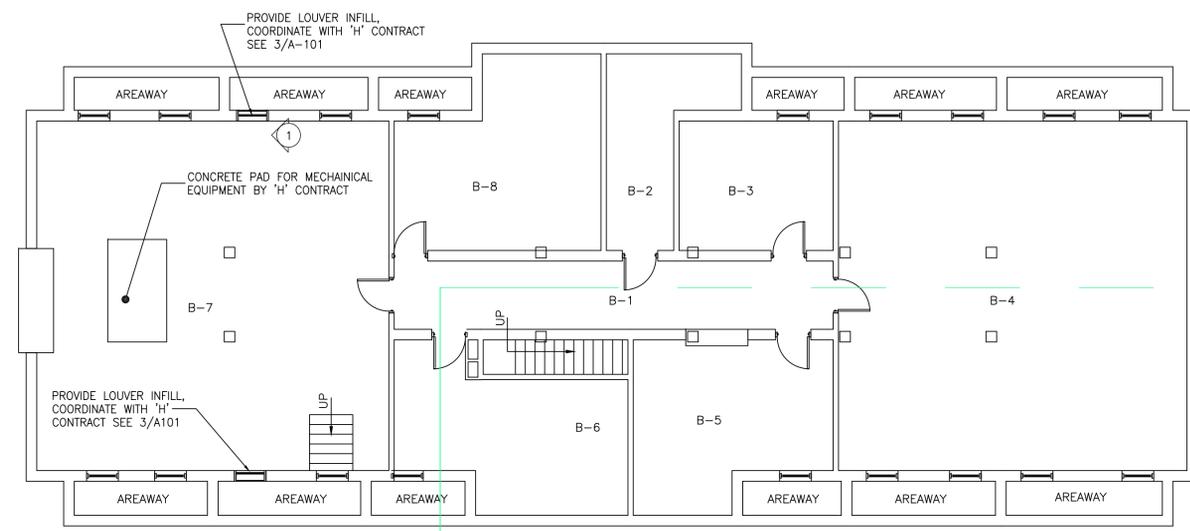
MARK	DATE	BID DOCUMENT	DESCRIPTION
	12/26/2015	BID DOCUMENT	

PROJECT NUMBER:	45384 - C
DESIGNED BY:	RC
DRAWN BY:	RBP
FIELD CHECK:	F.C.
APPROVED:	APPROVED

SHEET TITLE:
BUILDING 62
BASEMENT & ATTIC
PLANS & DETAILS

DRAWING NUMBER:
A-101

SHEET 5 OF 9



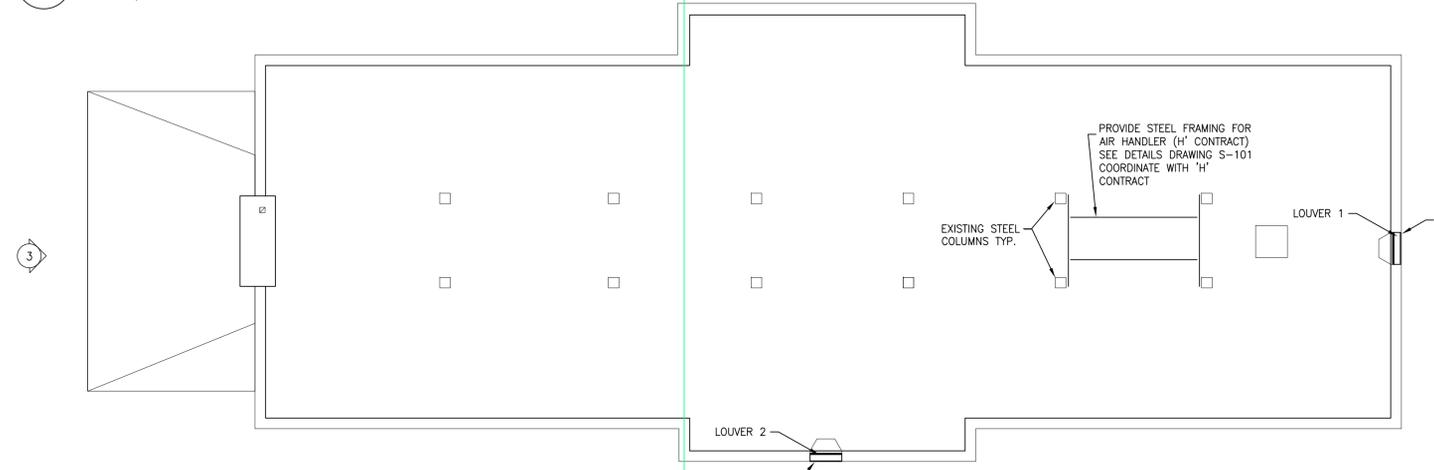
1 BUILDING 62 BASEMENT PLAN
SCALE: 1/8" = 1'-0"



PHOTO #1 (BASEMENT WINDOW)
OPENING, WINDOW REMOVED BY OTHERS



PHOTO #5 (NORTH ELEVATION)



2 BUILDING 62 ATTIC PLAN
SCALE: 1/8" = 1'-0"

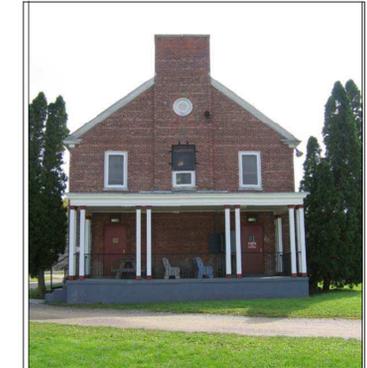


PHOTO #3 (WEST ELEVATION)

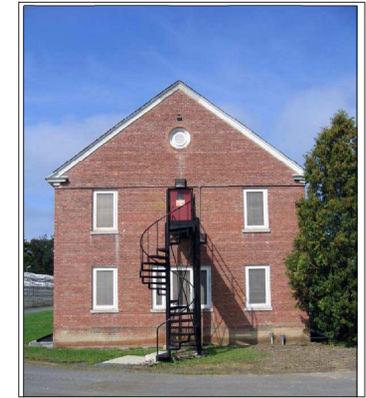
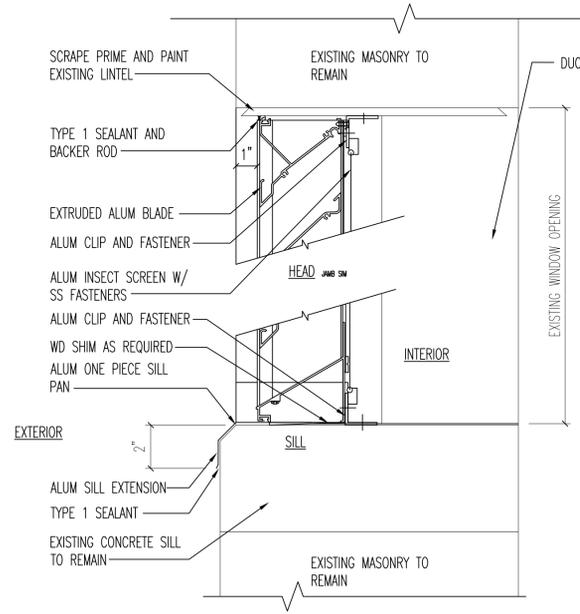


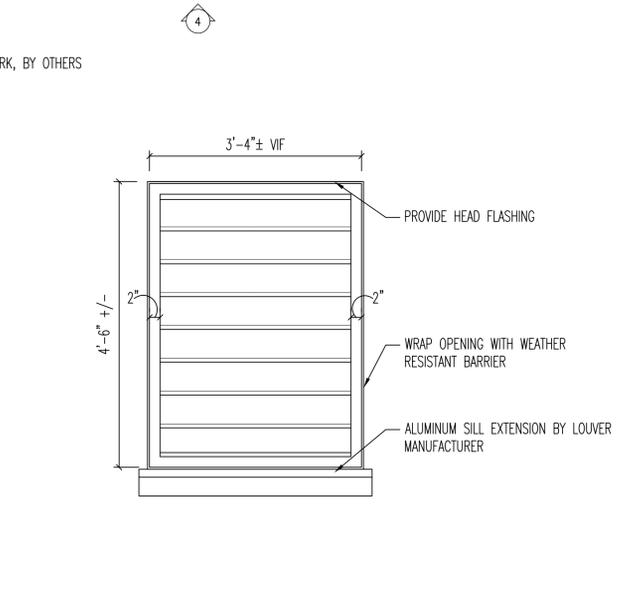
PHOTO #2 (EAST ELEVATION)



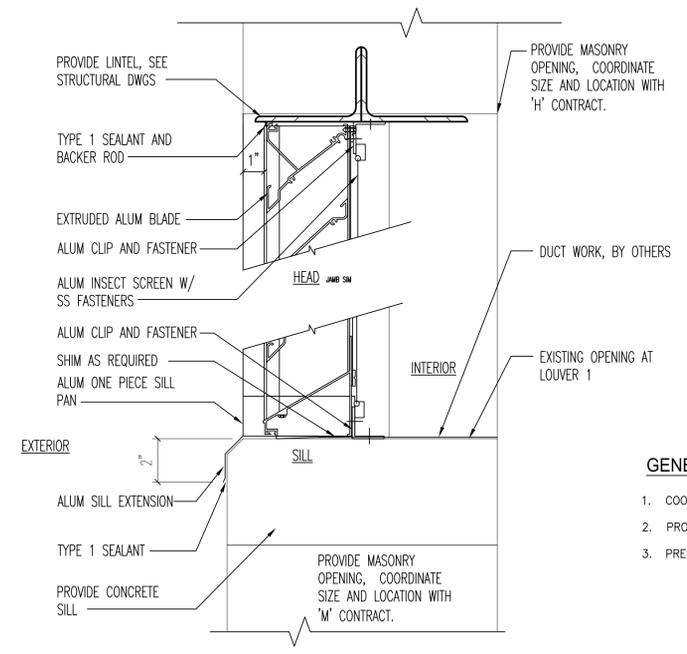
PHOTO #4 (SOUTH ELEVATION)



3 BASEMENT LOUVER DETAILS
SCALE: 3" = 1'-0"



4 BASEMENT LOUVER ELEVATION ATTIC SIMILAR
SCALE: 3/4" = 1'-0"



5 ATTIC LOUVER DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTES

- COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH APPROPRIATE CONTRACT.
- PROVIDE LOUVERS AS SHOWN ON DRAWINGS, COORDINATE WITH 'H' CONTRACTOR.
- PREPARE OPENINGS TO PROVIDE SOUND CLEAN SURFACE FOR OTHER TRADES TO WORK WITH.

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LEGEND

- 6" CMU PARTITION
- 5 — PHOTO INDICATOR
- OR — WALL REMOVALS
- PROVIDE WALL INFILL
- ⊙ — DOOR DESIGNATION, SEE SCHEDULE ON A-601
- AD — ACCESS DOOR, SEE 5/A101
- PROVIDE VCT FLOORING
- XX — PROVIDE POLYCARBONATE BACKED GWB SUSPENDED CEILING SYSTEM

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CONTRACT:

CONSTRUCTION

TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62

LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY

CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

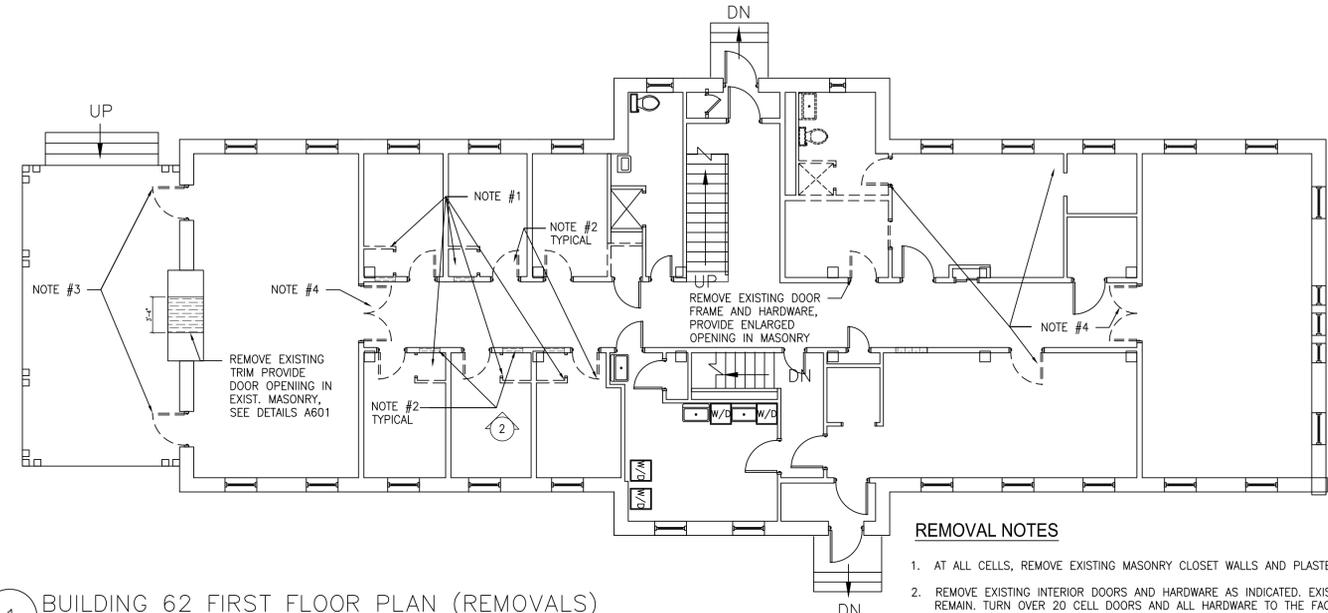


PHOTO #1 WEST ELEVATION



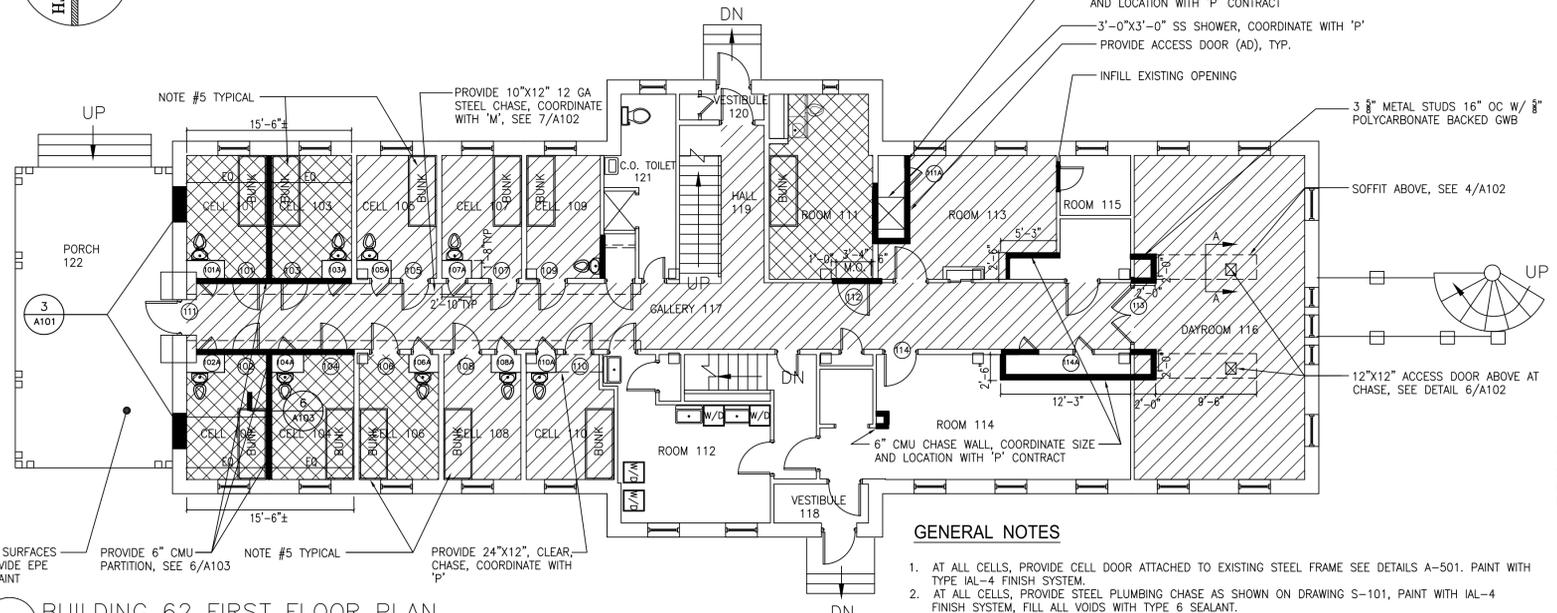
PHOTO #2 EXISTING DOOR INTERIOR

REMOVAL NOTES

1. AT ALL CELLS, REMOVE EXISTING MASONRY CLOSET WALLS AND PLASTER CEILING AT CLOSET.
2. REMOVE EXISTING INTERIOR DOORS AND HARDWARE AS INDICATED. EXISTING METAL FRAMES TO REMAIN. TURN OVER 20 CELL DOORS AND ALL HARDWARE TO THE FACILITY.
3. REMOVE EXISTING EXTERIOR DOORS, FRAMES AND HARDWARE AS INDICATED, TURN OVER DOORS AND HARDWARE TO THE FACILITY. SEE DETAIL 3/A-102 FOR INFILL OF OPENING.
4. REMOVE EXISTING DOORS, FRAMES AND HARDWARE AS INDICATED, TURN OVER DOORS AND HARDWARE TO THE FACILITY.
5. PROVIDE PIPE CHASE DOOR OPENING IN EXISTING MASONRY WALL, AS INDICATED, TYPICAL AT NEW PIPE CHASES.

1 BUILDING 62 FIRST FLOOR PLAN (REMOVALS)

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

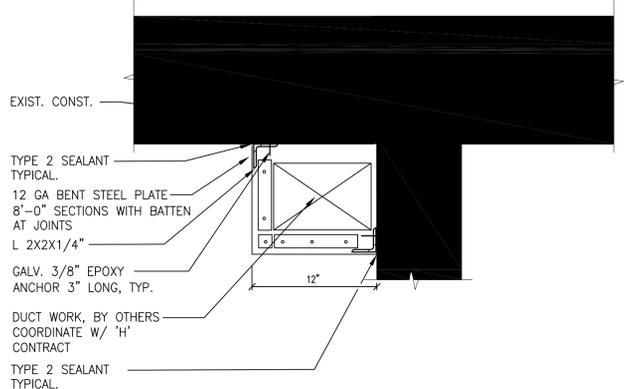


2 BUILDING 62 FIRST FLOOR PLAN

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

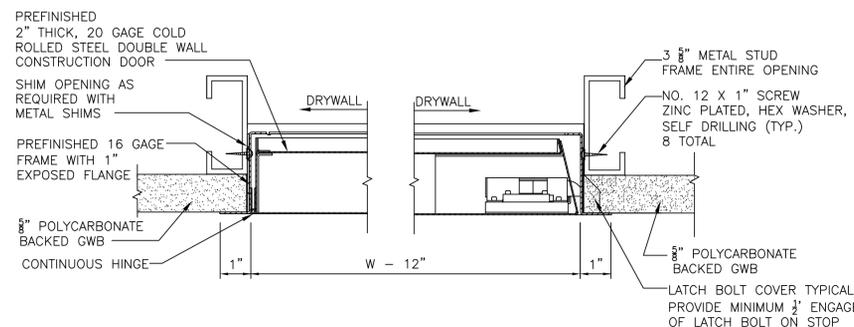
GENERAL NOTES

1. AT ALL CELLS, PROVIDE CELL DOOR ATTACHED TO EXISTING STEEL FRAME SEE DETAILS A-501. PAINT WITH TYPE IAL-4 FINISH SYSTEM.
2. AT ALL CELLS, PROVIDE STEEL PLUMBING CHASE AS SHOWN ON DRAWING S-101, PAINT WITH IAL-4 FINISH SYSTEM, FILL ALL VOIDS WITH TYPE 6 SEALANT.
3. AT ALL PIPE CHASES UNO, PROVIDE STEEL DOOR AND FRAME SEE DETAILS 3&4/A-601
4. PAINT ALL ROOMS WITH IAL-4 AT ALL EXISTING AND NEW WALLS. PAINT ALL EXISTING AND NEW CEILINGS WITH IAL-3 FINISH SYSTEM.
5. ATTACH EXISTING STEEL BUNKS TO FLOOR W/ STEEL ANGLES, SEE DETAIL 5/A-102.



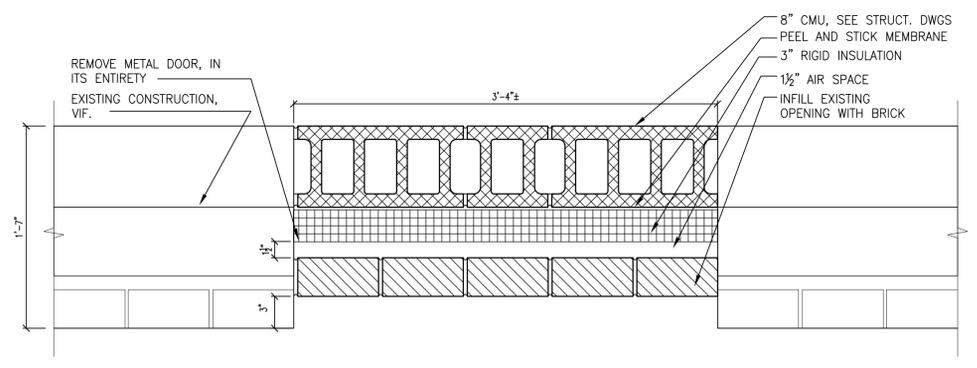
7 DUCT CHASE DETAIL

NO SCALE



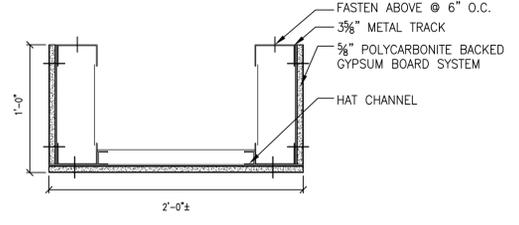
6 ACCESS DOOR DETAIL

NO SCALE



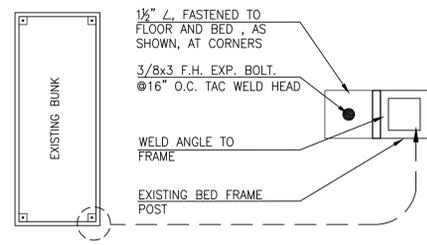
3 INFILL AT EXTERIOR DOOR OPENING

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



4 SECTION A-A

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

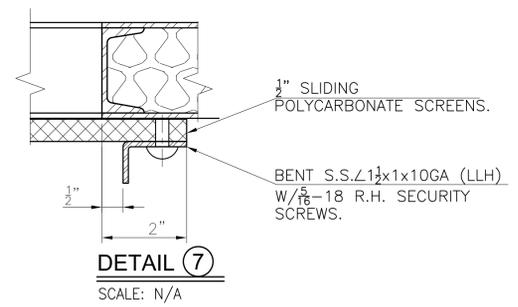
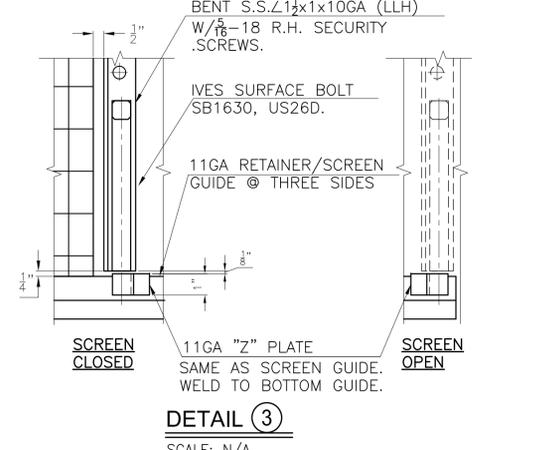
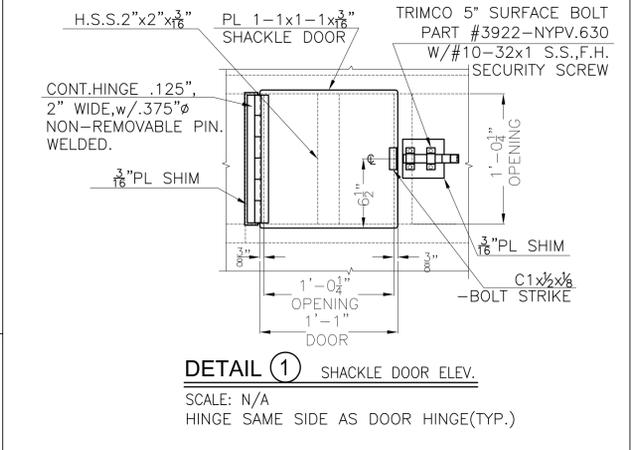
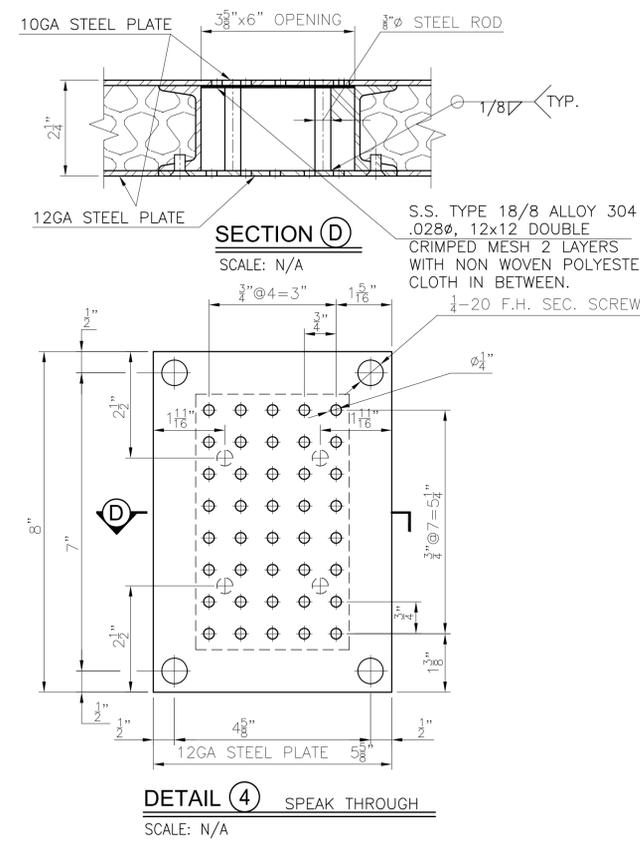
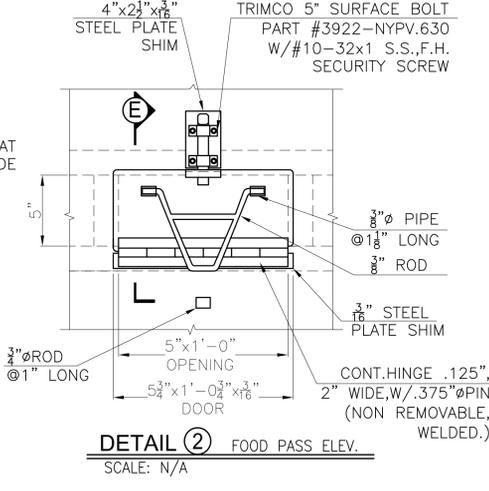
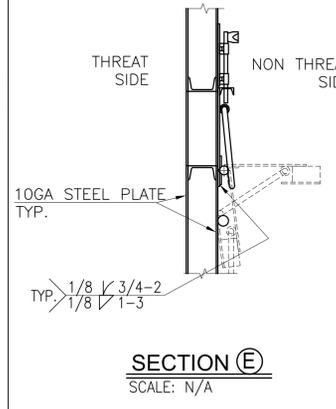
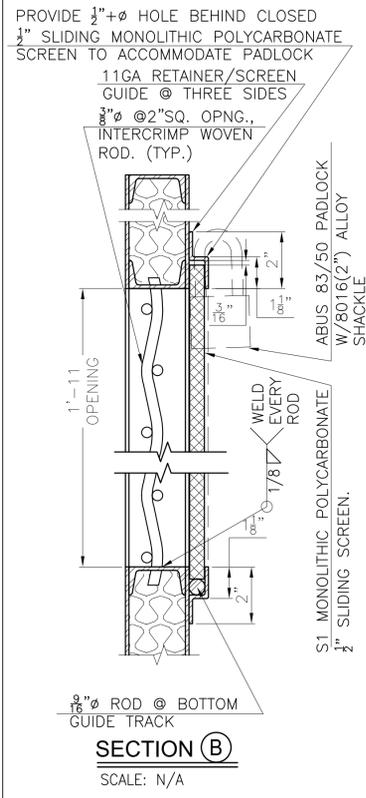
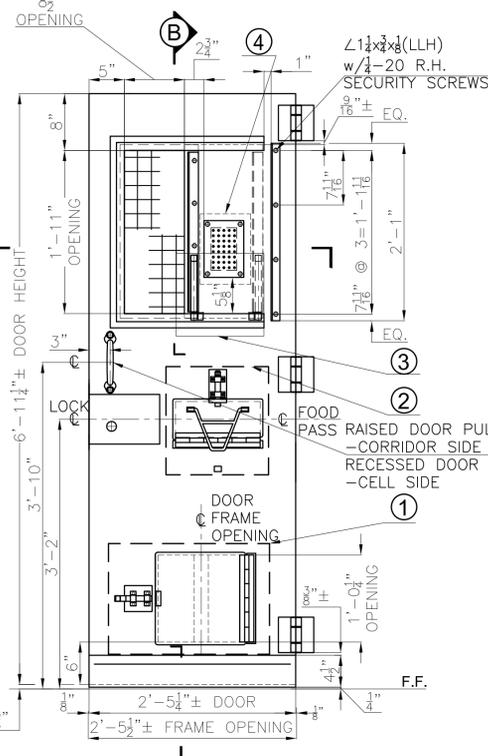
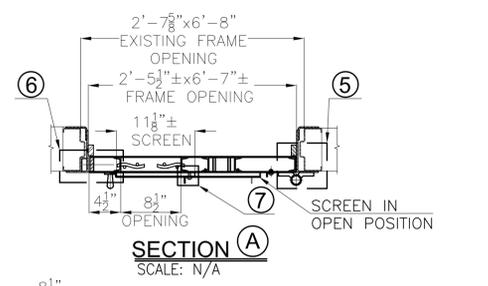


5 BUNK FASTENING DETAIL

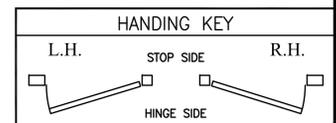
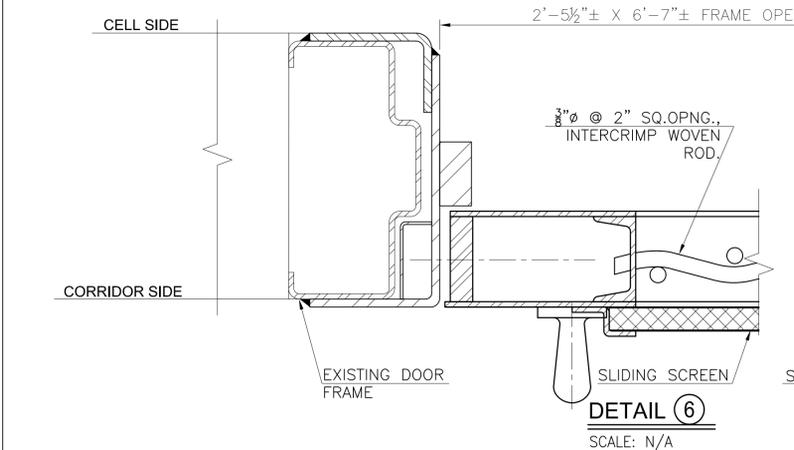
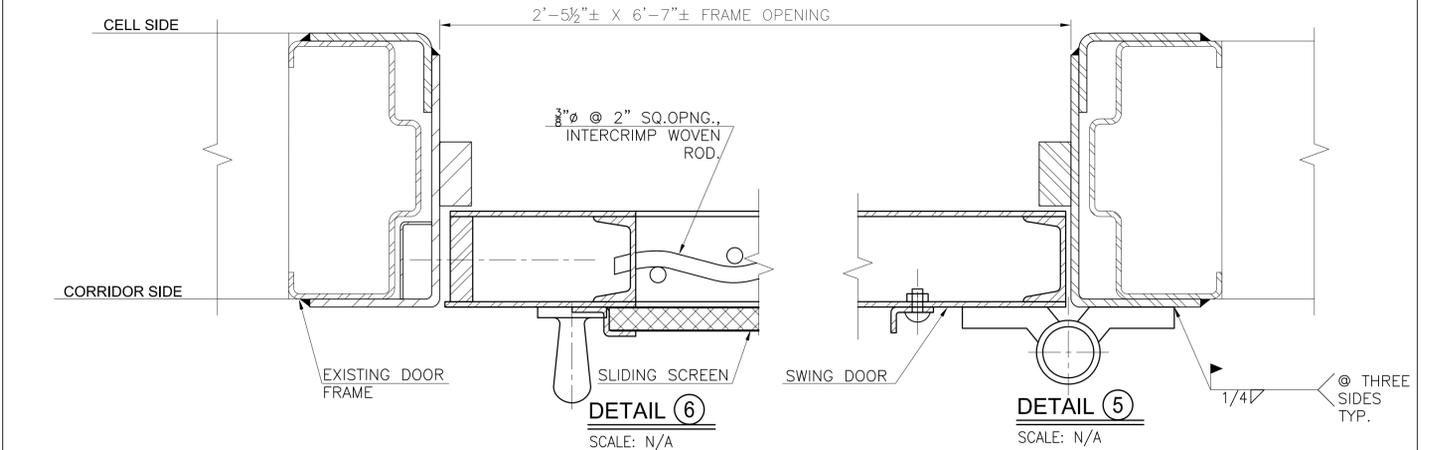
NO SCALE

MARK	DATE	BID DOCUMENT	DESCRIPTION
	12/26/2015		
PROJECT NUMBER:	45384 - C		
DESIGNED BY:	RC		
DRAWN BY:	RBP		
FIELD CHECK:	F.C.		
APPROVED:	APPROVED		
SHEET TITLE:			
BUILDING 62 FIRST FLOOR CONSTRUCTION & REMOVAL PLANS & DETAILS			
DRAWING NUMBER:			
A-102			
SHEET 6 OF 9			

CONSULTANT



- SPECIFIC NOTES:**
(THIS DRAWING ONLY)
1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
 2. CRIMP ALUMINUM BODY TO PREVENT BRUSH REMOVAL.
 3. NO SHARP EDGES ALLOWED.
 4. SHOP PAINT DOOR ASSEMBLY WITH TYPE IAL-4 PAINT SYSTEM.



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CONTRACT: CONSTRUCTION
TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	BID DOCUMENT	DESCRIPTION
	12/26/2015		
PROJECT NUMBER:	45384 - C		
DESIGNED BY:	A.BEKKER		
DRAWN BY:	A.BEKKER		
FIELD CHECK:			
APPROVED:			
SHEET TITLE:	2 1/4" SWING CELL DOOR		
DRAWING NUMBER:	A-501		
SHEET	8	OF	9

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PRELIMINARY DRAWINGS - NOT FOR BIDDING
PREBID SITE VISIT ON 1/07/2016, 1 PM
CONTACT: KAREN DISONELL:

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CONTRACT: HVAC

TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62

LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY

CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:	45384 - H
DESIGNED BY:	P. ABBOTT
DRAWN BY:	J. TREMBLAY
FIELD CHECK:	
APPROVED:	WB
SHEET TITLE:	

BUILDING 62
SYMBOLS AND
ABBREVIATIONS

DRAWING NUMBER: M-001

SHEET 1 of 6

SYMBOLS

	DRAIN PIPE		VALVE		TWO POSITION DAMPER - (PARALLEL) MOTORIZED, FULL SIZE OF DUCT		END SWITCH		EXISTING (CTE)
	PIPE CONTINUES, NOT SHOWN FOR CLARITY		CHECK VALVE		SUPPLY REGISTER/DIFFUSER/GRILLE		DIFFERENTIAL PRESSURE		EXHAUST FAN
	DIRECTION OF FLOW ARROW		ELECTRIC MOTOR VALVE ACTUATOR		SMOKE DETECTOR (FURNISHED BY ELECTRIC CONTRACTOR)		RELAY		SUPPLY FAN
	PITCH PIPE DOWN		CENTRIFUGAL PUMP		FREEZESTAT		ALARM		HEATING COIL
	PITCH PIPE UP		PUMP (SCHEMATIC)		SUPPLY DUCT		STATIC PRESSURE		DIFFERENTIAL PRESSURE SENSOR
	PIPE REDUCER		MOTOR CONTROLLER		EXHAUST DUCT/RETURN DUCT		FREEZE-STAT		STATIC PRESSURE SENSOR
	PIPE 90° ELBOW		BINARY INPUT (GENERAL)		DUCT DIRECTION OF FLOW		CURRENT SENSOR		VARIABLE SPEED DRIVE
	PIPE RISER		BINARY OUTPUT (GENERAL)		BREAK IN RECTANGULAR DUCT		ELECTRIC ACTUATOR		
	PIPE ELBOW DOWN		ANALOG INPUT (GENERAL)		RECTANGULAR DUCT DIMENSIONS		OPEN/CLOSED		
	PIPE ELBOW UP		ANALOG OUTPUT (GENERAL)		ROUND DUCT DIMENSIONS, ' DIA.		START/STOP		
	PIPE TEE		STATUS		BREAK IN ROUND DUCT		THERMOSTAT (PROVIDE WIRING TO EQUIPMENT)		
	PIPE TEE DOWN				SIDEWALL REGISTER		TEMPERATURE SENSOR		
	PIPE TEE UP				24 x 12"		FLOW SENSOR		
	PIPE BOTTOM CONNECTION				18" DIA		PRESSURE		
	PIPE TOP CONNECTION						HEATING COIL		
	PIPE UNION						DAMPER		
	PIPE CAPPED								
	PIPE FLANGE CONNECTION								
	PIPE STRAINER WITH BLOW DOWN								
	PRESSURE GAGE WITH ISOLATION VALVE AND SNUBBER								
	THERMOMETER (DIAL AND MERCURY)								
	VALVE								

ABBREVIATIONS

AAHX	AIR TO AIR HEAT EXCHANGER	FLR	FLOOR	MPS	MEDIUM PRESSURE SUPPLY	VFD	VARIABLE FREQUENCY DRIVE
AD	ACCESS DOOR	GPM	GALLONS PER MINUTE	MPR	MEDIUM PRESSURE RETURN	VIF	VERIFY IN FIELD
AFF	ABOVE FINISHED FLOOR	HC	HEATING COIL	NTS	NOT TO SCALE	V/PH/Hz	VOLTS/PHASE/HERTZ
AI	ANALOG INPUT	HP	HORSEPOWER	No.	NUMBER	W	WATT
AO	ANALOG OUTPUT	Hz	HERTZ	NPSH	NET POSITIVE SUCTION HEAD	W/	WITH
BI	BINARY INPUT	IN (")	INCHES	NTS	NOT TO SCALE	W/D	WITHOUT
BLDG	BUILDING	IER	INMATE EXHAUST REGISTER	OC	ON CENTER		
BO	BINARY OUTPUT	IFB	INTREGAL FACE AND BY-PASS	PH	PHASE (ELECTRICAL)		
B.O.D	BASIS OF DESIGN	ISR	INMATE SUPPLY REGISTER	PSI	POUNDS/SQUARE INCH		
BTUH	BRITISH THERMAL UNIT PER HOUR	LAT	LEAVING AIR TEMPERATURE	PSIG	POUNDS/SQUARE INCH GAGE		
CC	CONSTRUCTION CONTRACTOR	LAT	LEAVING AIR TEMPERATURE	RPM	REVOLUTION PER MINUTE		
CFM	CUBIC FEET PER MINUTE	LBS	POUNDS	SPEC	SPECIFICATION		
CR	CONDENSATE RETURN	LBS/HR	POUNDS PER HOUR	SM	SHEET METAL		
DIA	DIAMETER	LP	LOW PRESSURE	SS	STAINLESS STEEL		
EC	ELECTRIC CONTRACTOR	LPS	LOW PRESSURE STEAM	TEMP	TEMPERATURE		
EFF	EFFICIENCY	LPR	LOW PRESSURE RETURN	T	THERMOSTAT		
EX	EXISTING	LF	LINEAR FEET	TYP	TYPICAL		
F	DEGREE FAHRENHEIT	MAX	MAXIMUM	V	VOLTAGE		
FD	FLOOR DRAIN	MBH	1000 x BtuH	VAC	VOLTAGE ALTERNATING CURRENT		
FT or (')	FEET OR FOOT	MC	MOTOR CONTROLLER MANUFACTURER	VERT	VERTICAL		
F&T	FLOAT & THERMOSTATIC	MFR	MANUFACTURER				
		MIN	MINIMUM				

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PRELIMINARY DRAWINGS - NOT FOR BIDDING
PREBID SITE VISIT ON 1/07/2016, 1 PM
CONTACT: KAREN DISONELL

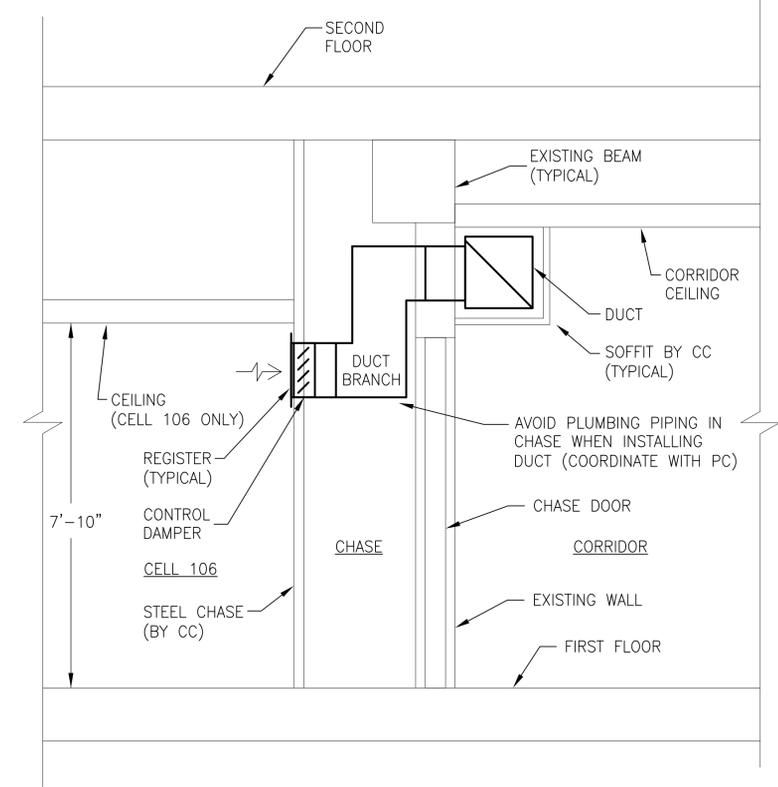
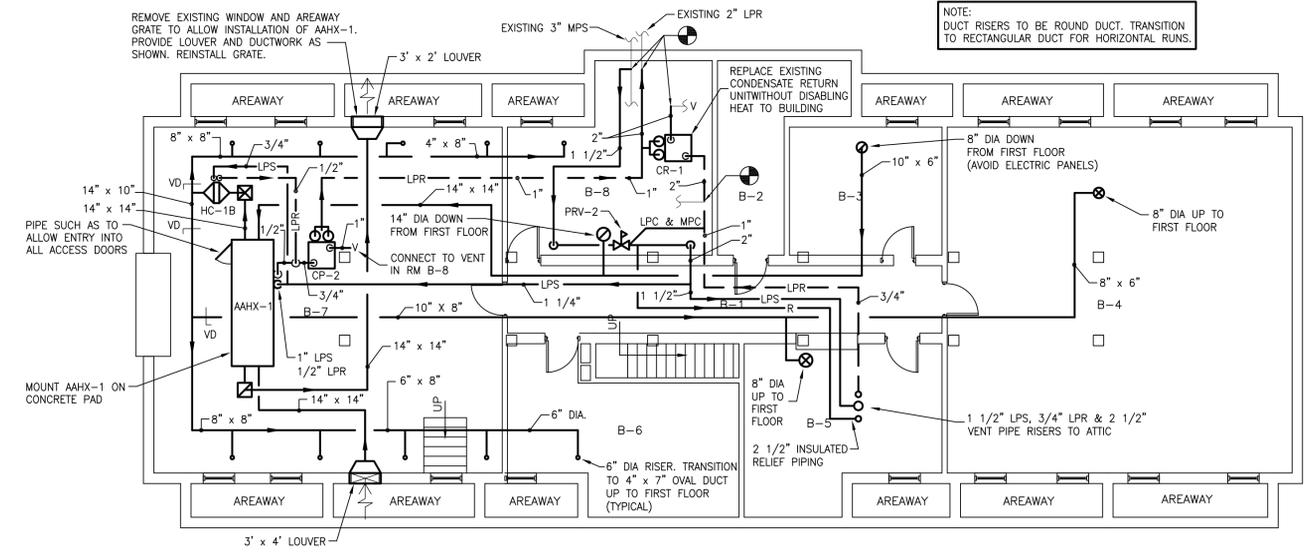
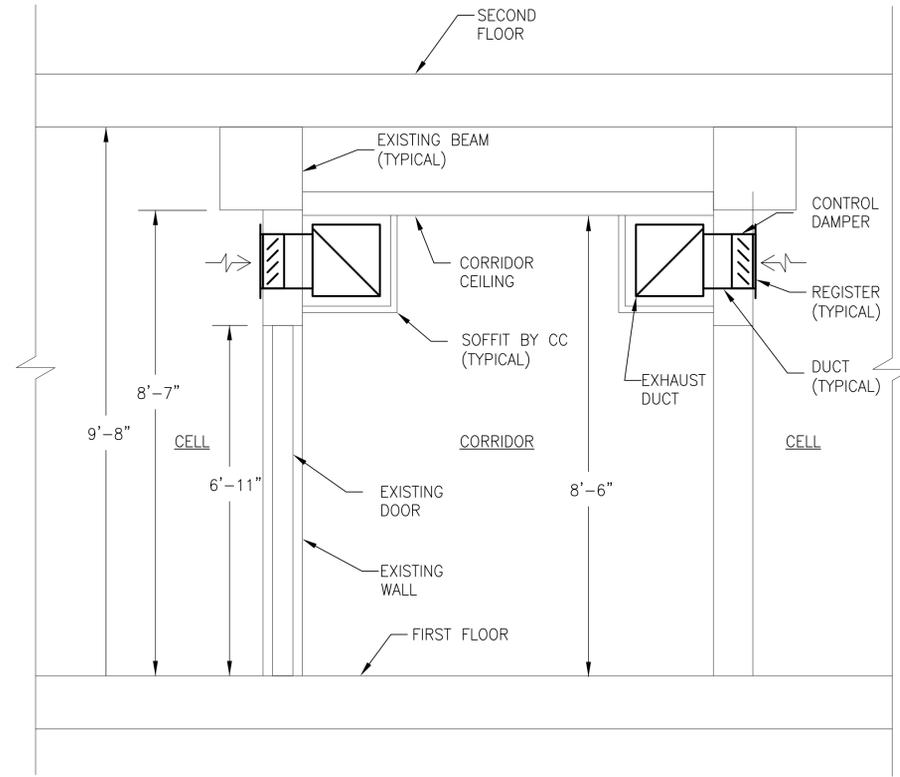
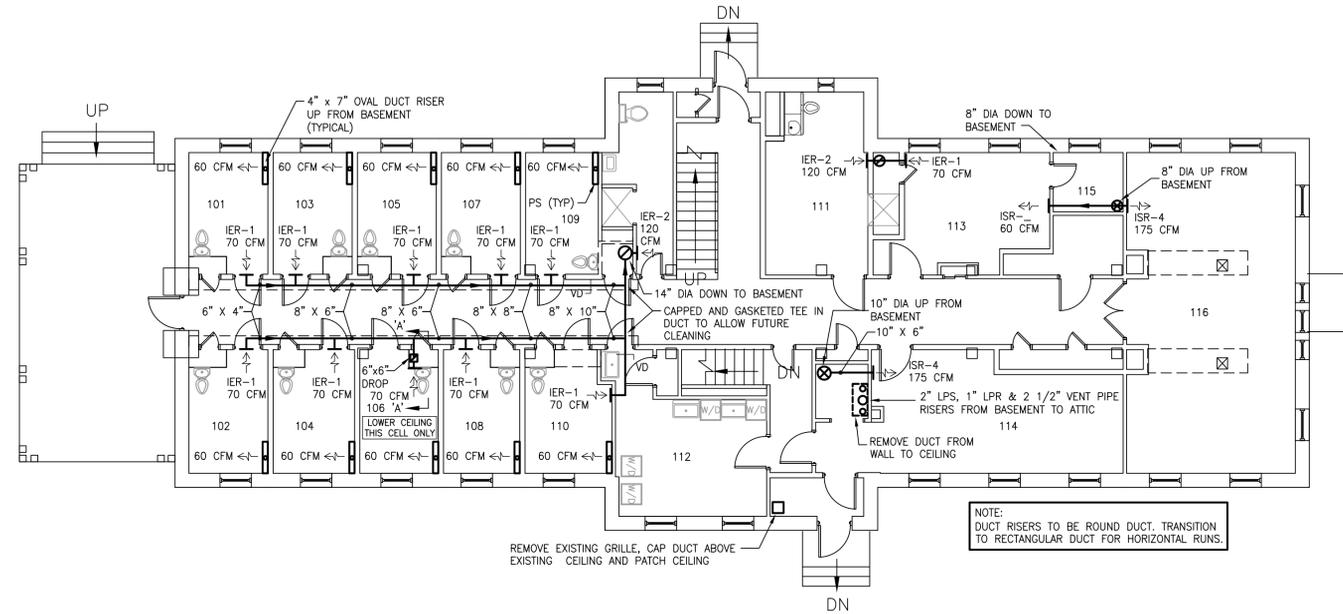
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CONTRACT:
HVAC
TITLE:
VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION:
HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT:
CORRECTIONS AND COMMUNITY SUPERVISION

MARK

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:
45384 - H
DESIGNED BY:
P. ABBOTT
DRAWN BY:
J. TREMBLAY
FIELD CHECK:
APPROVED:
WB
SHEET TITLE:
BUILDING 62 BASEMENT & FIRST FLOOR PLANS
DRAWING NUMBER:
M-101
SHEET 2 OF 6



- GENERAL NOTES:
- PROVIDE ANY ADDITIONAL HVAC WORK AS REQUIRED, OR AS AUTHORIZED BY THE DIRECTOR'S REPRESENTATIVE -NOT SHOWN IN THE CONTRACT DOCUMENTS, TO PROVIDE A WORKING, CODE-COMPLIANT HEATING SYSTEM AND VENTILATION SYSTEM. THIS MAY INCLUDE, BUT NOT LIMITED TO: HVAC EQUIPMENT, PIPING, FITTINGS, DUCTWORK, REGISTERS, DAMPERS, INSULATION, CONTROL WIRING AND SYSTEM BALANCING.
 - COORDINATE WITH OTHER TRADES AND THE DIRECTOR'S REPRESENTATIVE FOR ANY REMOVAL OR RELOCATION OF EXISTING ELECTRIC, FIRE ALARM, CONDUIT, PIPING AND ETC REQUIRED TO FACILITATE THE INSTALLATION OF HVAC WORK THIS CONTRACT.
 - PIPE STRESSES AT OR BELOW 10,000 PSI WITH EXPANSION BENDS. INSTALL TO ALLOW FOR PIPE MOVEMENT.
 - REMOVE ALL COPPER DUCTWORK AND SALVAGE FOR CREDIT TO THE PROJECT.
 - REMOVE ALL EXISTING PROPELLER FANS LOCATED IN WINDOWS THROUGHOUT THE BUILDING AND REPAIR HOLES AS NECESSARY.
 - ALL FLOOR CUTS AND OPENINGS FOR DUCTWORK AND PIPING TO BE APPROVED BY OGS ENGINEER (NO BEAM CUTS).

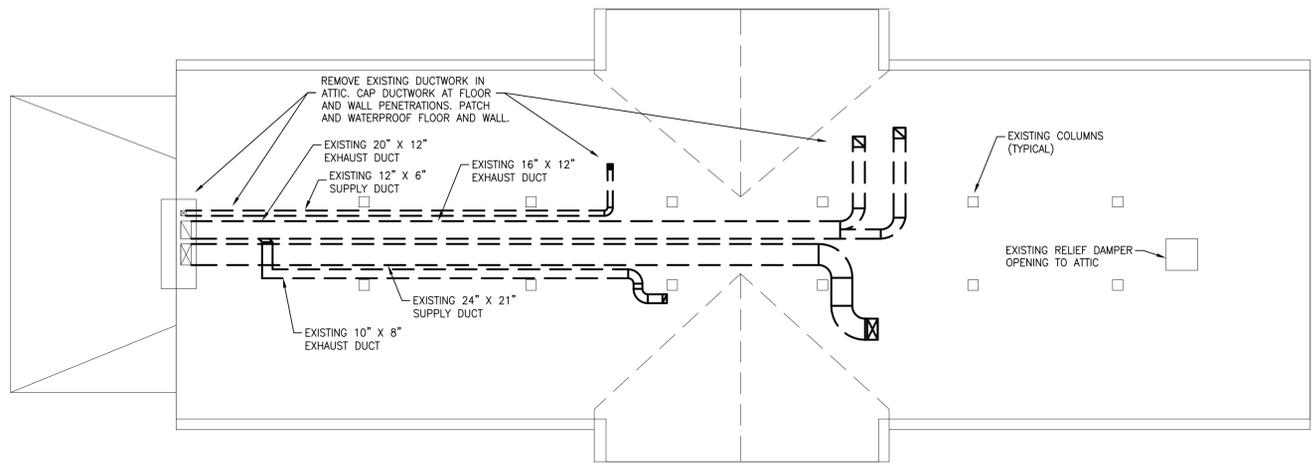
Dec 28, 2015 - 2:05pm
V:\DesignAndConst\45384\30_DesignPhase\35_CAD\CadHVAC\45384-M101_Bamt & 1st FL.dwg
36x24 PLOT SHEET

CONSULTANT

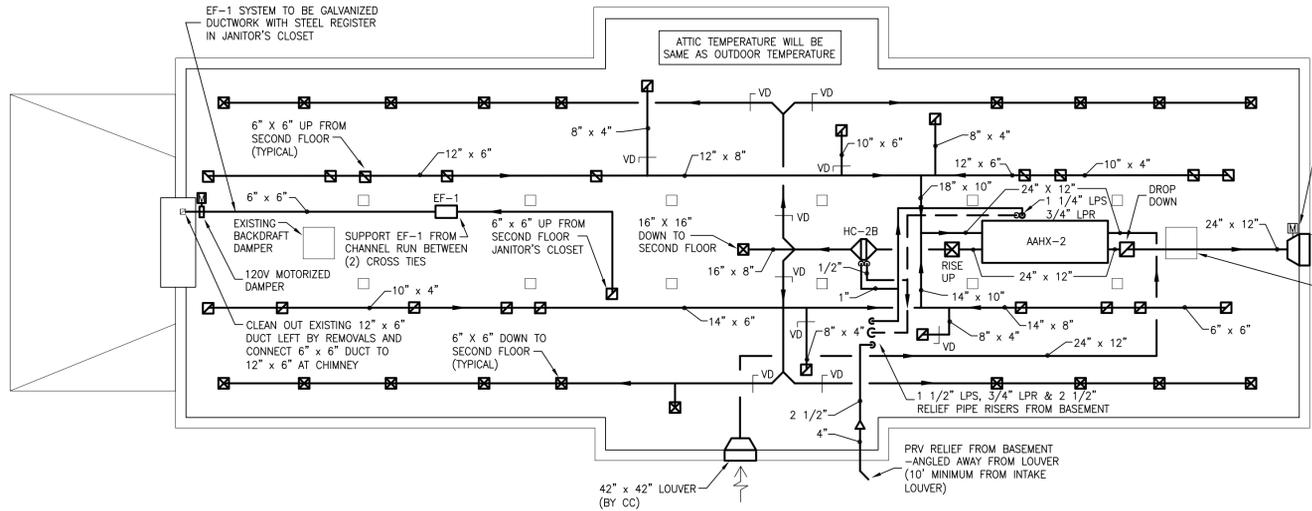
PRELIMINARY DRAWINGS - NOT FOR BIDDING
PREBID SITE VISIT ON 1/07/2016, 1 PM
CONTACT: KAREN DISONELL:

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

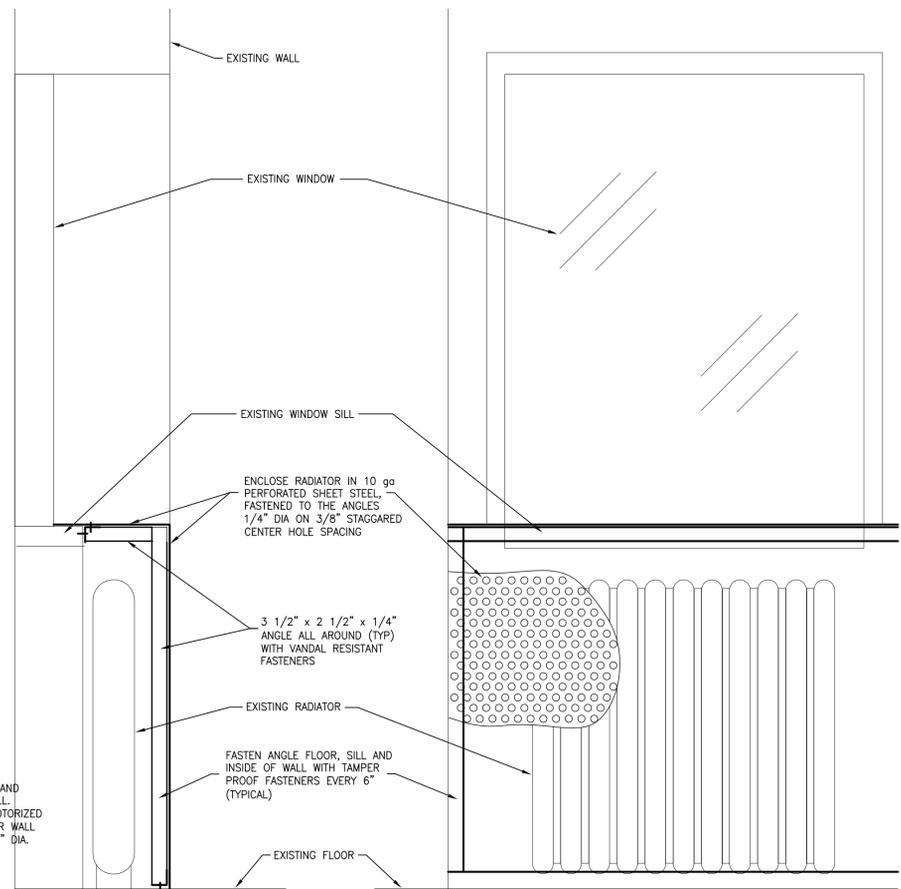
CONTRACT: HVAC
TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION



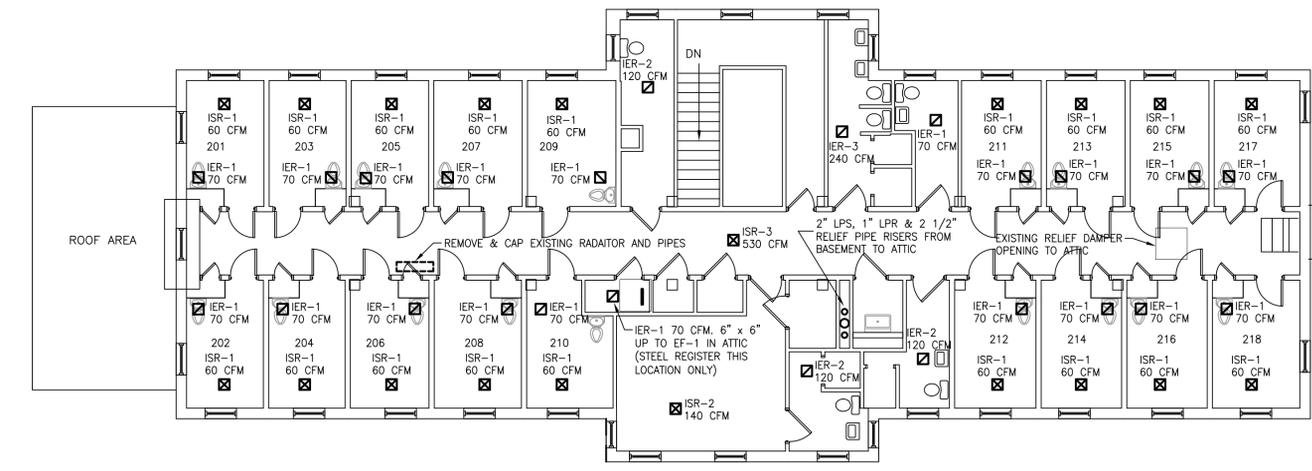
1 BUILDING 62 ATTIC PLAN-REMOVALS
SCALE: 1/8" = 1'-0"



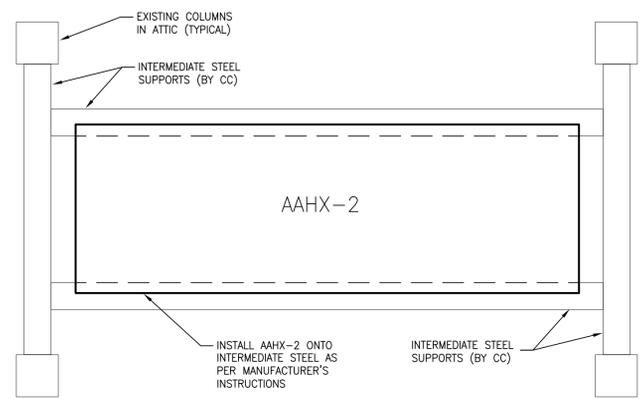
1 BUILDING 62 ATTIC PLAN
SCALE: 1/8" = 1'-0"



3 TYPICAL RADIATOR ENCLOSURE
NOT TO SCALE



2 BUILDING 62 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



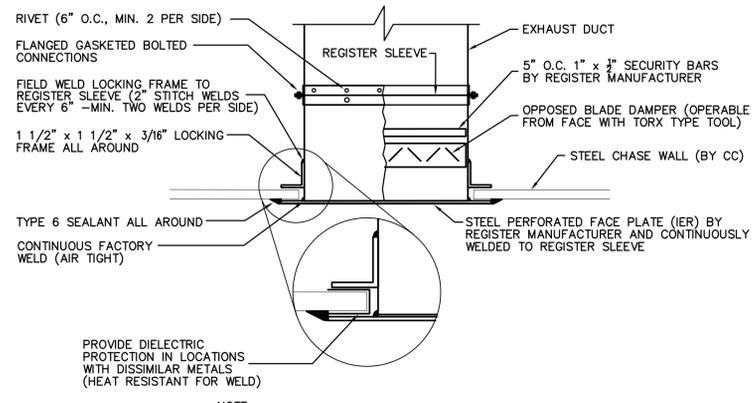
4 TYPICAL AAHX-2 INSTALLATION DETAIL
NOT TO SCALE

GENERAL SEISMIC DESIGN INFORMATION

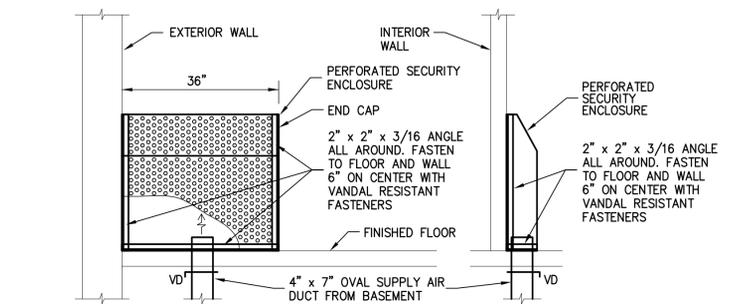
BUILDING CLASSIFICATION: OCCUPANCY CATEGORY I OR II
SITE CLASSIFICATION D:
SHORT PERIOD (0.2 SECOND): S_s = 0.169g;
LONG PERIOD (1 SECOND): S₁ = 0.066g
DESIGN SPECTRAL RESPONSE ACCELERATION,
S_{0.1} = 0.180g, S_{0.5} = 0.105g G
SEISMIC DESIGN CATEGORY B.

Dec 28, 2015 - 2:06pm
V:\DesignAndConst\1453384\453384_30_DesignPhase\35_CAD\CadHVAC\453384-M102_2nd fl & Attic.dwg
36x24 PLOT SHEET

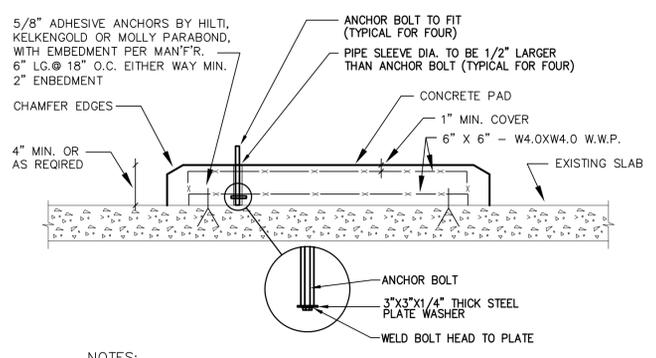
MARK	12/26/2015	BID DOCUMENT
PROJECT NUMBER:	45384 - H	
DESIGNED BY:	P. ABBOTT	
DRAWN BY:	J. TREMBLAY	
FIELD CHECK:		
APPROVED:	WB	
SHEET TITLE:	BUILDING 62 SECOND, ATTIC AND ATTIC REMOVAL FLOOR PLANS	
DRAWING NUMBER:	M-102	
SHEET	3	OF 6



NOTE:
1. COORDINATE REGISTER LOCATIONS WITH C.C. AND E.C.
INMATE EXHAUST REGISTER -FIRST FLOOR (IER)
ROOM 106 ONLY
NO SCALE

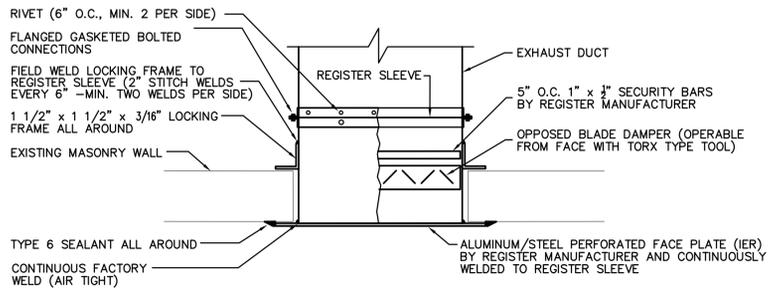


TYPICAL PERFORATED SUPPLY AIR DUCT RISER ENCLOSURE (PS)
NO SCALE

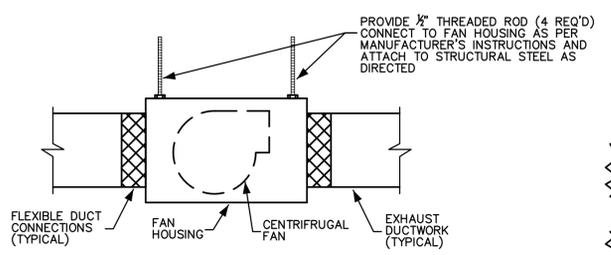


- NOTES:
1. CONCRETE STRENGTH AND WEIGHT AT 28 DAYS; 4000 PSI.
2. EXTEND PAD A MINIMUM OF 6" BEYOND EQUIPMENT ON ALL SIDES.
3. DETAILS, WORKMANSHIP AND GENERAL PROCEDURES; ACI 315, ACI 301 AND ACI 318.
4. REINFORCEMENT:
BARS - ASTM A615 GRADE 60
WIRE MESH - ASTM A185

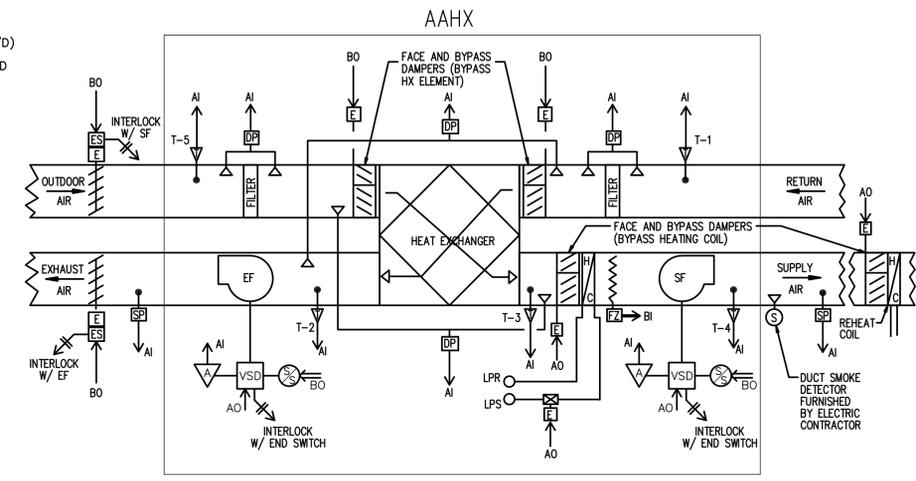
CONCRETE EQUIPMENT PAD DETAIL
NO SCALE



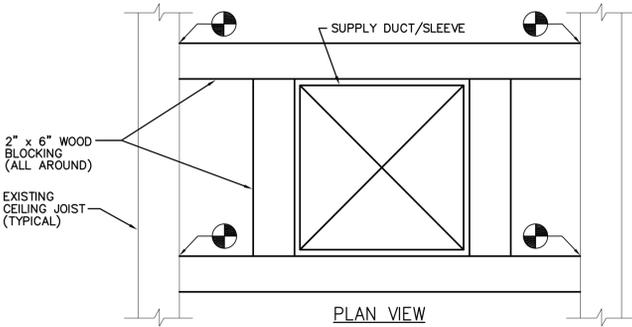
NOTE:
1. COORDINATE REGISTER LOCATIONS WITH C.C. AND E.C.
INMATE EXHAUST REGISTER -FIRST FLOOR (IER & ISR)
ALL FIRST FLOOR ROOMS EXCEPT ROOM 106
NO SCALE



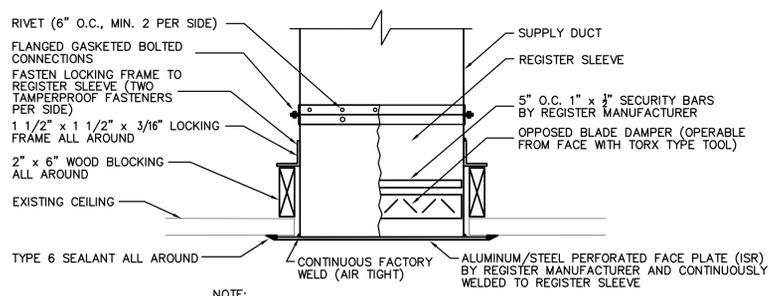
INLINE EXHAUST FAN DETAIL (EF-1)
NO SCALE



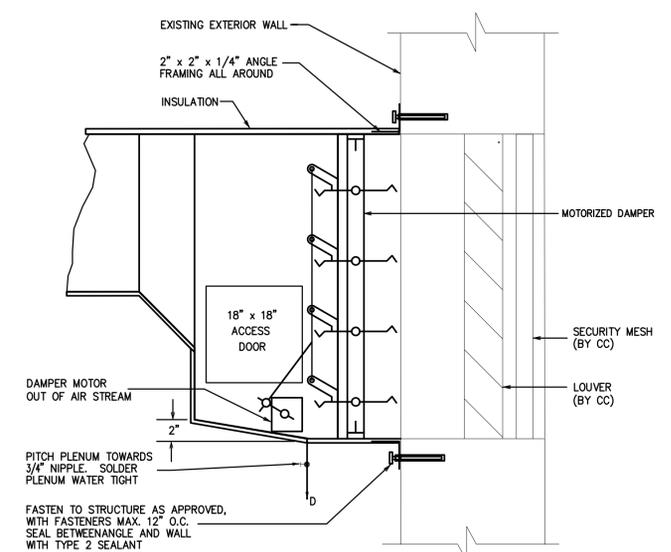
AAHX-1 & 2 AIR TO AIR HEAT EXCHANGER CONTROL DIAGRAM
(KNOCKED DOWN INTO 36" SECTIONS)
NO SCALE



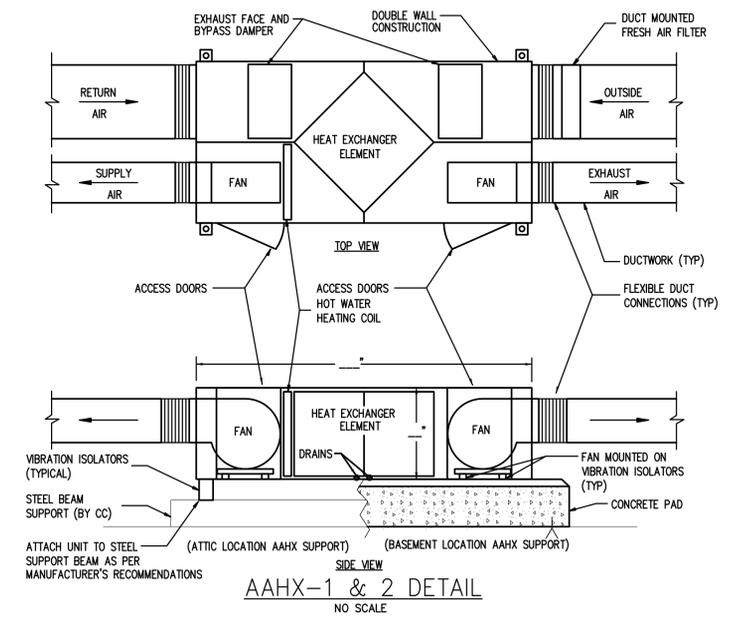
PLAN VIEW



NOTE:
1. COORDINATE REGISTER LOCATIONS WITH C.C. AND E.C.
INMATE SUPPLY REGISTER -SECOND FLOOR
(ISR -STEEL & IER -ALUMINUM)
NO SCALE



LOUVER PLENUM DETAIL
NO SCALE

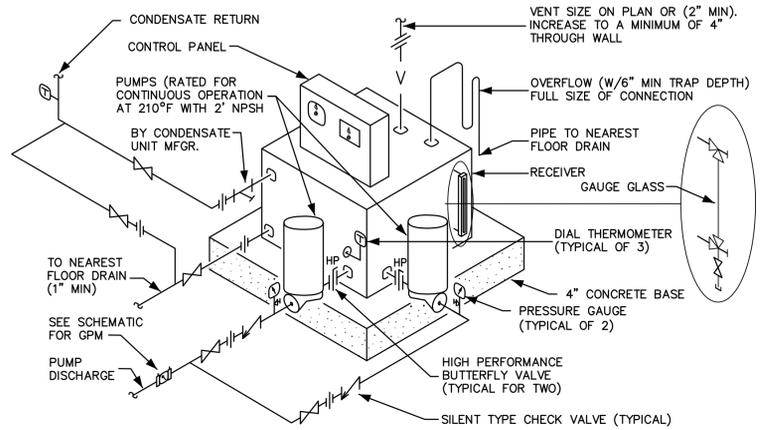


AAHX-1 & 2 DETAIL
NO SCALE

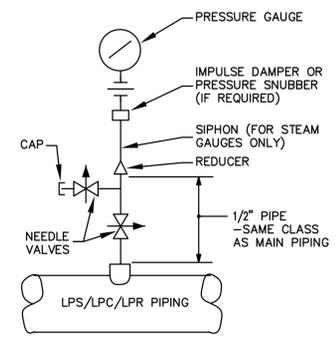
WARNING:
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CONTRACT: **HVAC**
TITLE: **VARIOUS SECURITY IMPROVEMENTS BUILDING 62**
LOCATION: **HUDSON CORRECTIONAL FACILITY HUDSON, NY**
CLIENT: **CORRECTIONS AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT
PROJECT NUMBER:	45384 - H	
DESIGNED BY:	P. ABBOTT	
DRAWN BY:	J. TREMBLAY	
FIELD CHECK:		
APPROVED:	WB	
SHEET TITLE:	AIR AND MISCELLANEOUS DETAILS	
DRAWING NUMBER:	M-301	
SHEET	4	OF 6

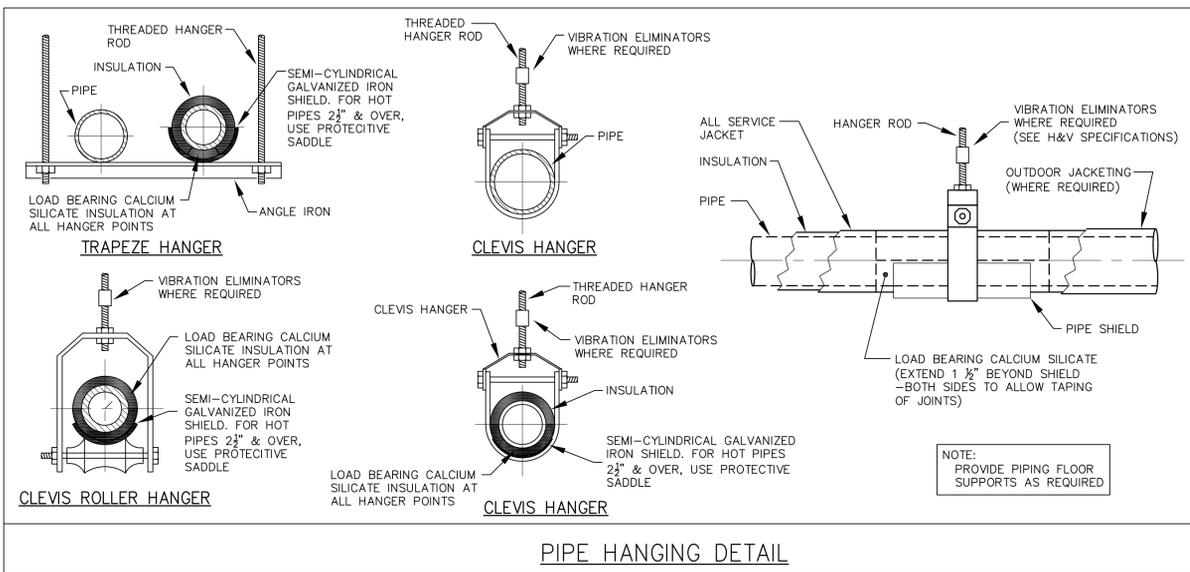


CONDENSATE RETURN (CRU-1 & 2)
SCHEMATIC PIPING DETAIL
NO SCALE

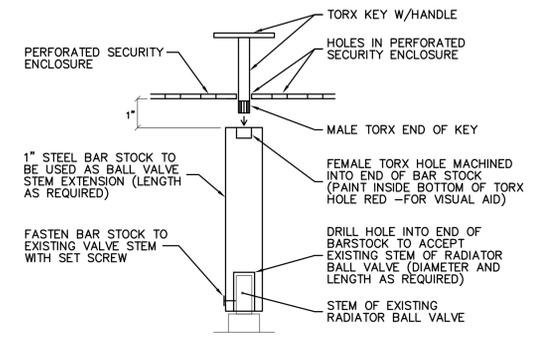


- NOTES:
1. ALL GAUGES OR DEVICES MEASURING RAPIDLY FLUCTUATION OR PULSATING PRESSURES SHALL BE PROTECTED BY PRESSURE SNUBBERS.
 2. REMOTE CONNECTED GAUGES SHALL BE CALIBRATED TO COMPENSATE FOR STATIC FLUID HEAD IN GAUGE PIPING WHEN DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
 3. SERVICE WITH PRESSURES LESS THAN 100 PSIG SHALL BE EQUIPPED WITH STOP COCKS IN LIEU OF NEEDLE VALVES.

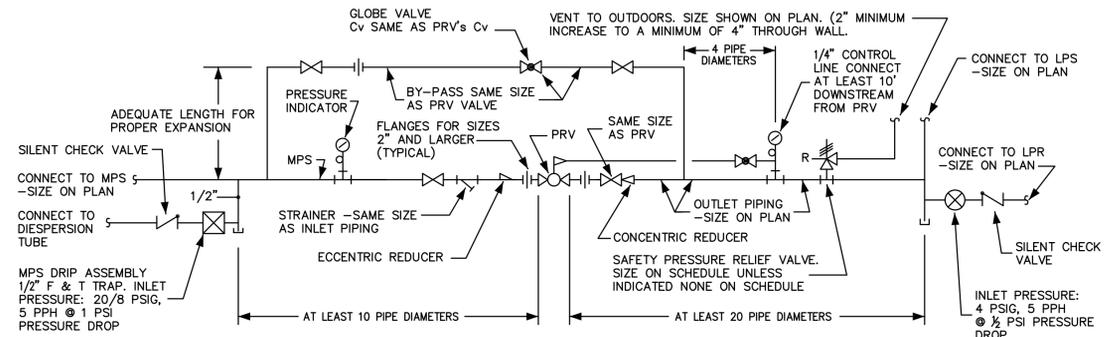
PRESSURE GAUGE AND TRANSMITTER CONNECTIONS
NOT TO SCALE



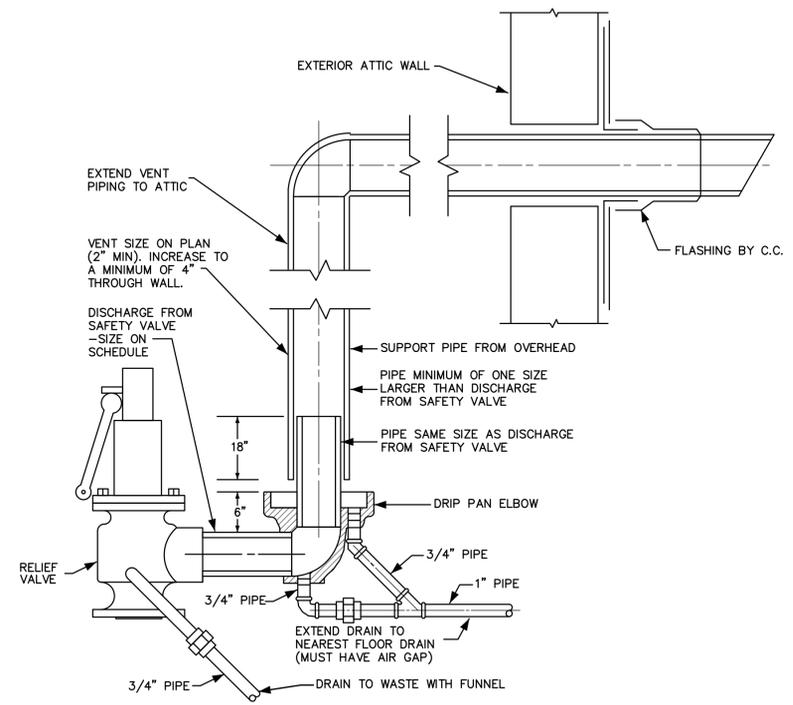
PIPE HANGING DETAIL



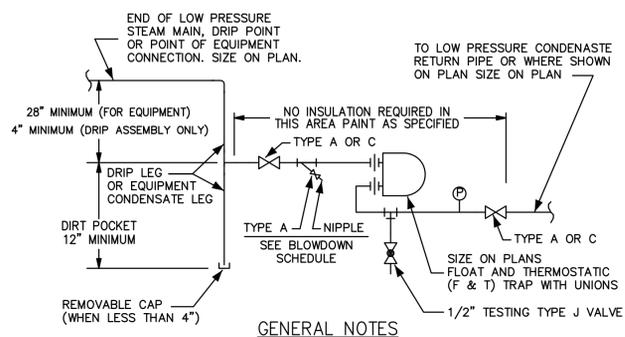
TYPICAL RADIATOR VALVE EXTENSION DETAIL
NO SCALE



DETAIL OF PRESSURE REDUCING VALVE STATION
NO SCALE



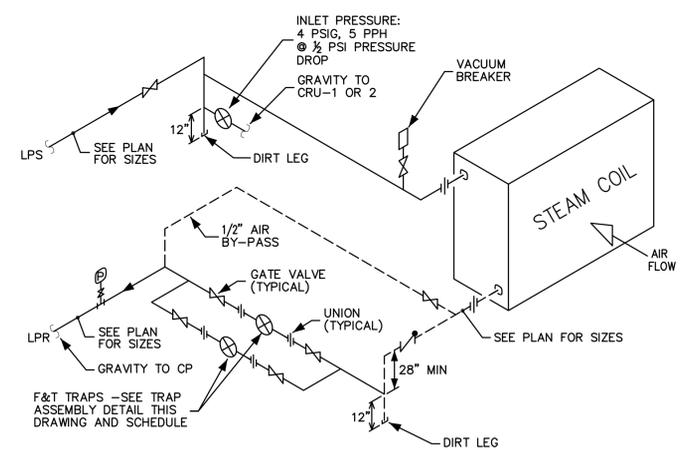
PIPING CONNECTIONS FROM DISCHARGE OF SAFETY VALVE
NO SCALE



- GENERAL NOTES
1. NOTED ON PLANS AS LP DRIP ASSEMBLY OR TRAP STATION
 2. UNLESS OTHERWISE INDICATED - PIPING, STRAINERS, UNIONS AND VALVES SHALL BE SAME SIZE AS TRAP.
 4. FOR DRIP ASSEMBLY:

MAIN SIZE	DRIP LEG SIZE
UP TO 2"	SAME AS MAIN
2" TO 4"	2"
ABOVE 4"	1/2 OF MAIN SIZE BUT NOT OVER 4"
 4. DRIP AND EQUIPMENT CONDENSATE LEGS LESS THAN 4" SHALL HAVE REMOVABLE CAP.
 5. ALL DRIP AND EQUIPMENT CONDENSATE LEGS 4" AND OVER SHALL HAVE WELDED CAP WITH 1/2" NIPPLE AND 1/2" GLOBE VALVE.

TYPICAL DRIP ASSEMBLY AND TRAP STATION FOR LOW PRESSURE STEAM (UP TO 15 PSIG)
NO SCALE



STEAM COIL PIPING DETAIL
NO SCALE

CONSULTANT

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CONTRACT: HVAC
TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT
PROJECT NUMBER:	45384 - H	
DESIGNED BY:	P. ABBOTT	
DRAWN BY:	J. TREMBLAY	
FIELD CHECK:		
APPROVED:	WB	
SHEET TITLE:	STEAM AND PIPING DETAILS	
DRAWING NUMBER:	M-302	
SHEET	5	OF 6

AIR TO AIR HEAT EXCHANGER SCHEDULE																																	
TAG	SERVICE	LOCATION	SUPPLY AIR			SUPPLY FAN					EXHAUST AIR			EXHAUST FAN					HEAT EXCHANGER ELEMENT				SUPPLY FILTER			STEAM COIL DATA			REMARKS				
			E.A.T. °F	L.A.T. °F	FACE VEL (FPM)	ESP (IN. WG)	CFM	WHEEL TYPE	RPM	DRIVE	HP	VOLTS/PH	E.A.T. °F	L.A.T. °F	FACE VEL (FPM)	ESP (IN. WG)	CFM	WHEEL TYPE	RPM	DRIVE	HP	VOLTS/PH	LENGTH	PASS	FACE AREA SQ.FT.	EFFECTIVENESS %	HEIGHT/WIDTH (IN)	QUANTITY		DIRTY PD (IN WG)	MBH	INLET PRESS. (PSIG)	LB/HR
AAHX-1	1ST FLOOR	BASEMENT	40	90	350	1"	1100	FC	1790	BELT	1	200/3	70	32	350	0.6"	1100	FC	1624	BELT	1	200/3	24	2	1.8	80	24/20	1	0.41	60	3	58	EXPEDITED DELIVERY (8 WEEKS MAXIMUM) WITH "ARMSTRONG" IFB COIL
AAHX-2	2ND FLOOR	ATTIC	40	90	405	1"	1900	FC	1850	BELT	2	200/3	70	34	417	0.6"	1900	FC	1645	BELT	2	200/3	36	2	2.4	74.1	20/20	2	0.42	103	3	100	EXPEDITED DELIVERY (8 WEEKS MAXIMUM) WITH "ARMSTRONG" IFB COIL

BASIS OF DESIGN: AAHX-1: XETEX MODEL No. IAQ-1750-XD-BP-HS
AAHX-2: XETEX MODEL No. IAQ-2000-XD-BP-HS

INLINE CENTRIFUGAL FAN SCHEDULE												
TAG	LOCATION	TYPE	CFM	SP	RPM	SONES (MAX.)	HP	VOLT	PHASE	MOTOR CONTROLLER		REMARKS
										TYPE	NEMA SIZE	
EF-1	ATTIC	INLINE CENTRIFUGAL	70	0.25	1050	4.7	1/20	120	1	A1	00	INTERLOCK WITH MOTORIZED DAMPER

BASIS OF DESIGN: COOK MODEL No. 70SQ12D

REGISTER SCHEDULE									
TAG	SERVICE	TYPE	CFM	NECK SIZE	PATTERN	APD (IN. WG)	MAX NC	REMARKS	
IER-1	INMATE EXHAUST	SUICIDE PROOF	70	6" x 6"	3/16" HOLES, 9/32" STAGGERED	0.06	< 20	-	
IER-2	SHOWER EXHAUST	SUICIDE PROOF	120	8" x 8"	3/16" HOLES, 9/32" STAGGERED	0.03	< 20	-	
IER-3	SHOWER EXHAUST	SUICIDE PROOF	240	12" x 12"	3/16" HOLES, 9/32" STAGGERED	0.04	< 20	-	
ISR-1	INMATE SUPPLY	SUICIDE PROOF	60	6" x 6"	3/16" HOLES, 9/32" STAGGERED	0.04	< 20	-	
ISR-2	INMATE SUPPLY	SUICIDE PROOF	140	10" x 8"	3/16" HOLES, 9/32" STAGGERED	0.04	< 20	-	
ISR-3	INMATE SUPPLY	SUICIDE PROOF	530	16" x 16"	3/16" HOLES, 9/32" STAGGERED	0.04	< 20	-	
ISR-4	INMATE SUPPLY	SUICIDE PROOF	175	10" x 10"	3/16" HOLES, 9/32" STAGGERED	0.04	< 20	-	

BASIS OF DESIGN: ANEMOSTAT MODEL No. AASG-RR

PRESSURE REDUCING VALVE SCHEDULE													
TAG	LOCATION	FLOW (LBS/HR)	INITIAL PRESSURE (PSIG)	DELIVERY PRESSURE (PSIG)	VALVE				RELIEF VALVE				REMARKS
					SIZE (IN.)	C _v	TURN DOWN	NOISE (MAX DBA)	SETTING (PSIG)	CAPACITY (PPH)	SIZE (INCHES) IN/OUT	VENT SIZE (IN.)	
PRV-2	MECH ROOM -BASEMENT	275	20/8	4	1 1/4"	18.9	17:1	58	15	531	1 1/4"/1 1/2"	2 1/2"	-

BASIS OF DESIGN: SPENCE MODEL No. E2D5

DUPLIX CONDENSATE PUMP & RECEIVER SCHEDULE												
TAG	LOCATION	GPM	DISCHARGE PRESSURE (PSIG)	TANK CAPACITY (GAL)	ELECTRICAL				MOTOR CONTROLLER		REMARKS	
					HP	VOLT	PH	CYCLE	RPM	TYPE		NEMA SIZE
CP-1	MECH ROOM -BASEMENT	5	15	5	1/3	120	1	60	3500	B	0	FIELD VERIFY DISCHARGE PRESSURE AT TIME OF SHOP DRAWINGS
CP-2	ROOM B-7 -BASEMENT	5	15	5	1/3	120	1	60	3500	B	0	FIELD VERIFY DISCHARGE PRESSURE AT TIME OF SHOP DRAWINGS

BASIS OF DESIGN: B & G SERIES CC

STEAM COIL SCHEDULE																				
TAG	LOCATION	SERVICE	TYPE	CASING SIZE (W x H)	CFM	PRESSURE DROP (PSI)	FACE VELOCITY (FPM)	STEAM COIL DATA				VALVE FLOW COEFFICIENT (Cv)	WEIGHT (LBS)	TRAPS					REMARKS	
								EAT (°F)	LAT (°F)	MBH	INLET PRESS. (PSIG)			LB/HR	QTY	SIZE	CAPACITY EACH (PPH)	DP (PSI)		TYPE
HC-1B	BASEMENT	1ST FLOOR	HEATING	32 1/2" x 20 3/4"	1010	0.15	600	40	85	55	3	5.3	4.3	30	2	3/4"	55	1/2	F & T	-
HC-2B	ATTIC	2ND FLOOR	HEATING	38 1/2" x 29 1/8"	1860	0.15	600	40	85	95	3	9.3	7.5	40	2	3/4"	93	1/2	F & T	-

BASIS OF DESIGN: HC-1: ARMSTRONG DURAMIX MODEL No. BCH2-2B-A10-Q08-BE-RH/LH
HC-2: ARMSTRONG DURAMIX MODEL No. BCH2-3C-A08-Q08-BE-RH/LH

STEAM TRAP SCHEDULE						
TRAP No.	CONNECTION SIZE (IN)	OPERATING STEAM PRESSURE	CAPACITY OF EACH (LBS/HR)	PRESSURE DROP (psi)	SERVES	REMARKS
ST-1	3/4	3	500	1/2	BASEMENT COILS	-
ST-2	3/4	3	500	1/2	ATTIC COILS	-

BASIS OF DESIGN: B & G MODEL No. FT015-3

CONSULTANT

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CONTRACT:

HVAC

TITLE:
VARIOUS SECURITY IMPROVEMENTS BUILDING 62

LOCATION:

HUDSON CORRECTIONAL FACILITY HUDSON, NY

CLIENT:

CORRECTIONS AND COMMUNITY SUPERVISION

12/26/2015 BID DOCUMENT

MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45384 - H	
DESIGNED BY:	P. ABBOTT	
DRAWN BY:	J. TREMBLAY	
FIELD CHECK:		
APPROVED:	WB	

SHEET TITLE:

SCHEDULES

DRAWING NUMBER:

M-501

SHEET 6 OF 6

CONSULTANT

PRELIMINARY DOCUMENTS
NOT FOR BIDDING

PREBID SITE VISIT
1/7/2016 1:00PM
CONTACT KAREN DISONELL

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CONTRACT:

PLUMBING

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:	45384 - P
DESIGNED BY:	KJV
DRAWN BY:	SB
FIELD CHECK:	XXXXX
APPROVED:	KJV

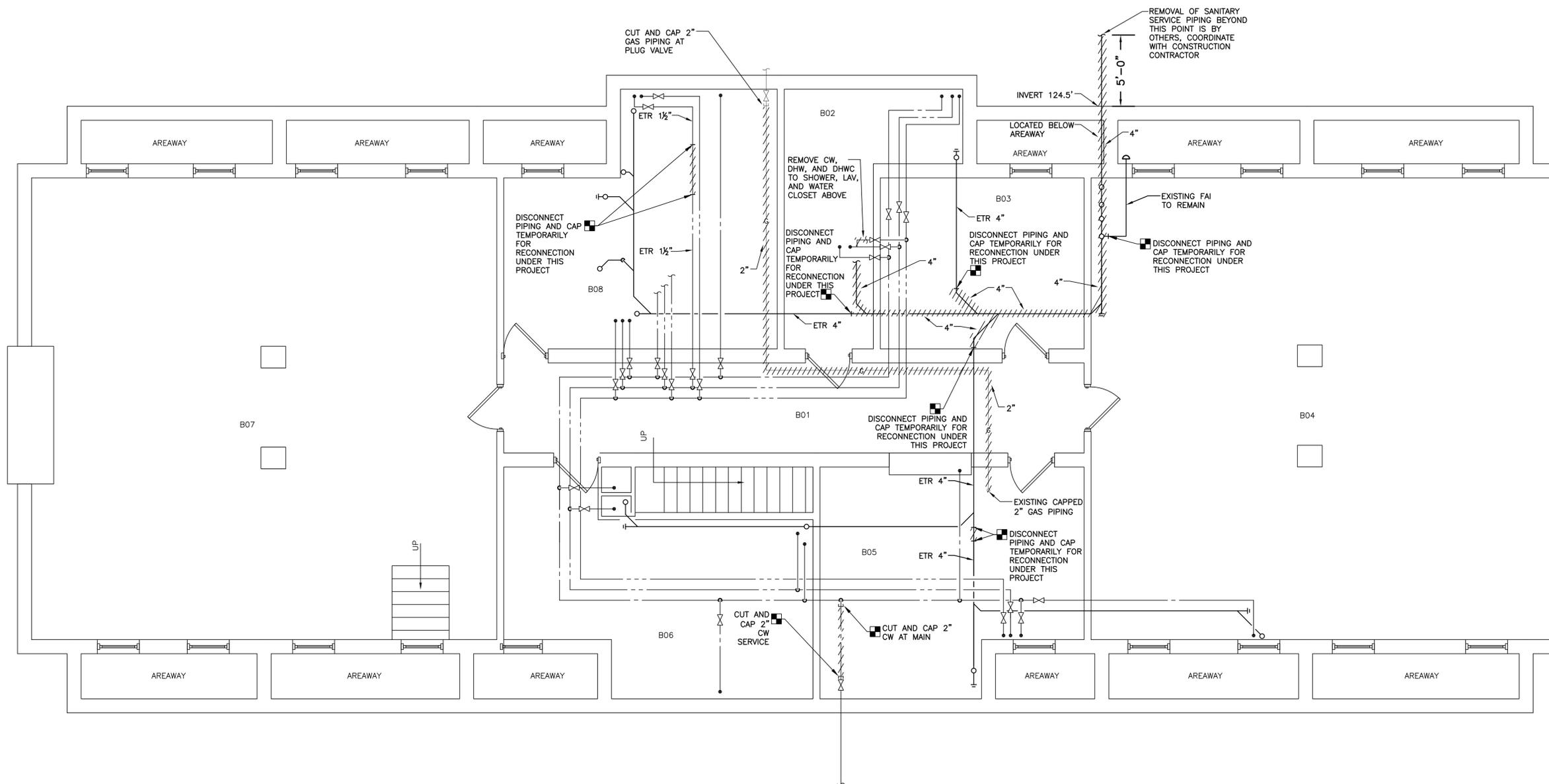
SHEET TITLE:

BASEMENT REMOVALS

DRAWING NUMBER:

P-101

SHEET 2 OF 10



REMOVALS BASEMENT FLOOR PLAN (BUILDING NO. 62)

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



① CONNECT TO EXISTING PIPING

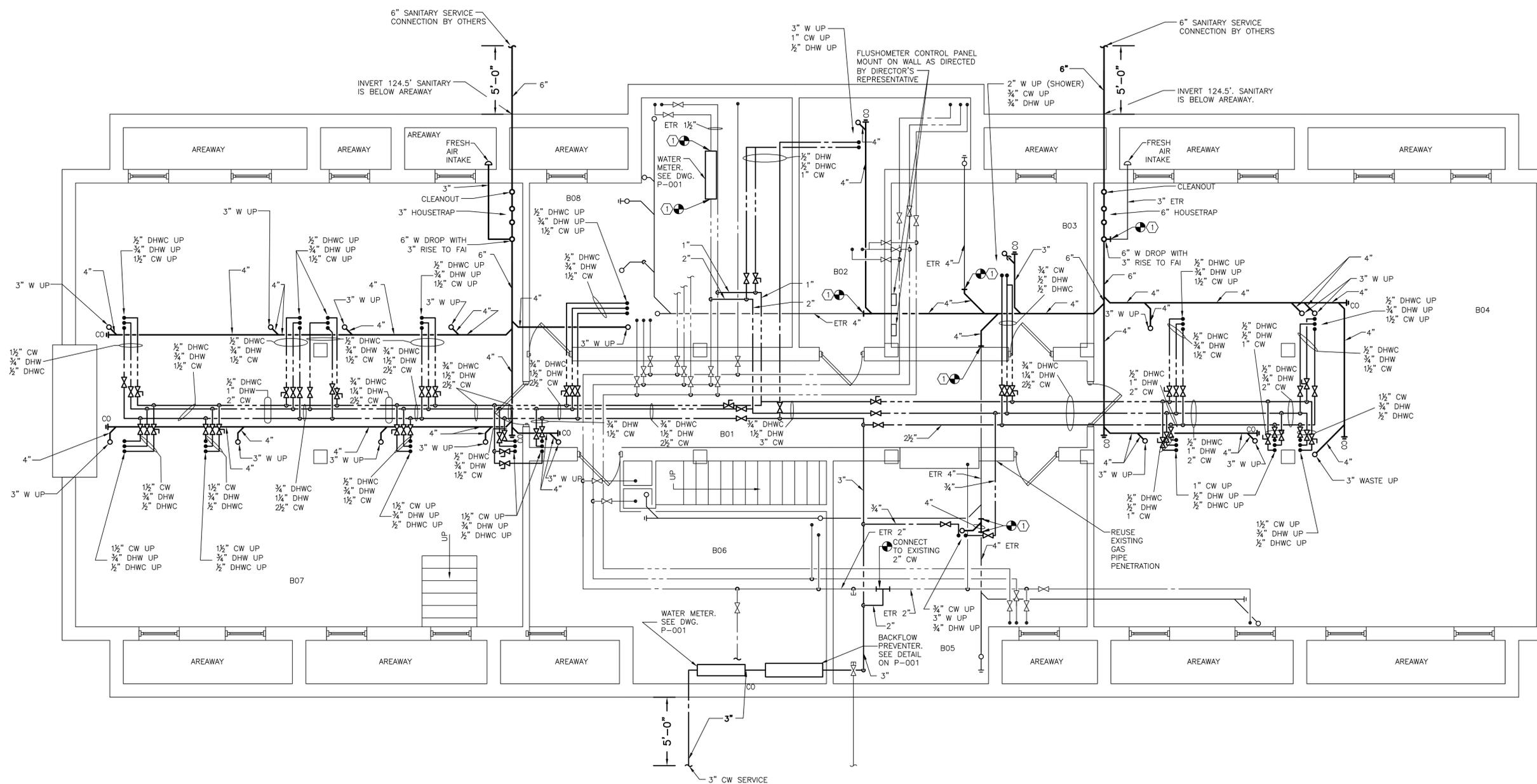
CONSULTANT

**PRELIMINARY DOCUMENTS
 NOT FOR BIDDING**

**PREBID SITE VISIT
 1/7/2016 1:00PM
 CONTACT KAREN DISONELL**

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CONTRACT:
PLUMBING
TITLE:
**VARIOUS SECURITY IMPROVEMENTS
 BUILDING 62**
LOCATION:
**HUDSON CORRECTIONAL FACILITY
 HUDSON, NY**
CLIENT:
**CORRECTIONS AND
 COMMUNITY SUPERVISION**



BASEMENT FLOOR PLAN (BUILDING NO. 62)
 SCALE: 1/4" = 1'-0"



MARK	DATE	BID DOCUMENT	DESCRIPTION
	12/26/2015	BID DOCUMENT	
PROJECT NUMBER:	45384 - P		
DESIGNED BY:	KJV		
DRAWN BY:	SB		
FIELD CHECK:	XXXXX		
APPROVED:	KJV		

SHEET TITLE:
BASEMENT FLOOR PLAN

DRAWING NUMBER:
P-103

CONSULTANT

PRELIMINARY DOCUMENTS
NOT FOR BIDDING

PREBID SITE VISIT
1/7/2016 1:00PM
CONTACT KAREN DISONELL

WARNING:
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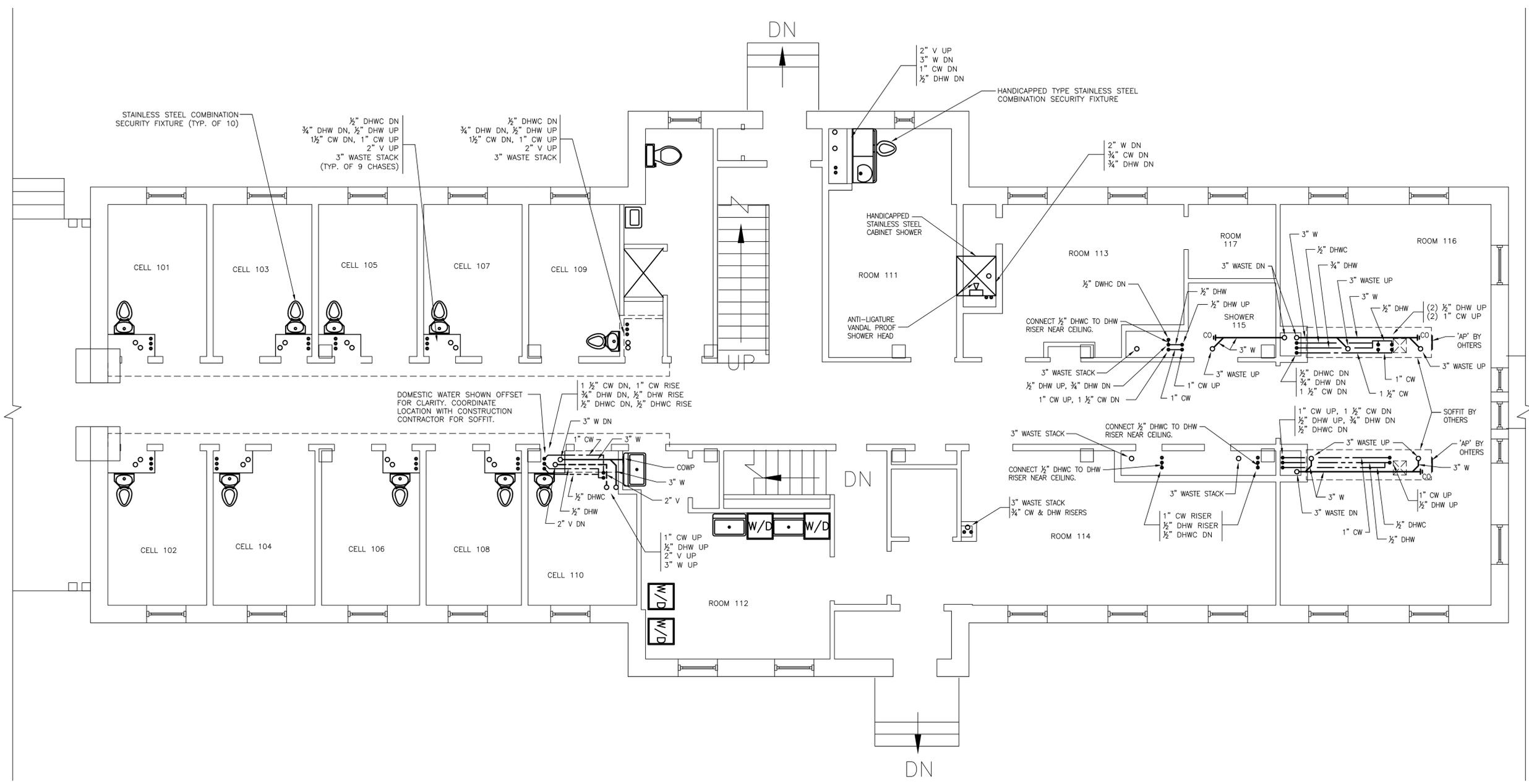
CONTRACT: **PLUMBING**
TITLE: **VARIOUS SECURITY IMPROVEMENTS BUILDING 62**
LOCATION: **HUDSON CORRECTIONAL FACILITY HUDSON, NY**
CLIENT: **CORRECTIONS AND COMMUNITY SUPERVISION**

MARK	DATE	BID DOCUMENT DESCRIPTION
	12/26/2015	BID DOCUMENT
PROJECT NUMBER:	45384 - P	
DESIGNED BY:	KJV	
DRAWN BY:	SB	
FIELD CHECK:	XXXXX	
APPROVED:	KJV	

SHEET TITLE:
PARTIAL 1ST FLOOR PLAN

DRAWING NUMBER:
P-104

NOTES:
1. DUE TO LIMITED CHASE SPACE, UTILIZE COPPER 'DW' PIPE AND FITTINGS FOR WASTE AND VENT PIPING AS INDICATED ON DWG. P-401.



PARTIAL 1ST FLOOR PLAN (BUILDING NO. 62)

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



Dec 28, 2015 - 2:15pm
 C:\Users\benmerritt\Desktop\45384\45384-P-104.dwg
 36x24 PLOT SHEET

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CONTRACT:

PLUMBING

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	BID DOCUMENT	DESCRIPTION
	12/26/2015		

PROJECT NUMBER:
45384 - P

DESIGNED BY: KJV

DRAWN BY: KJV

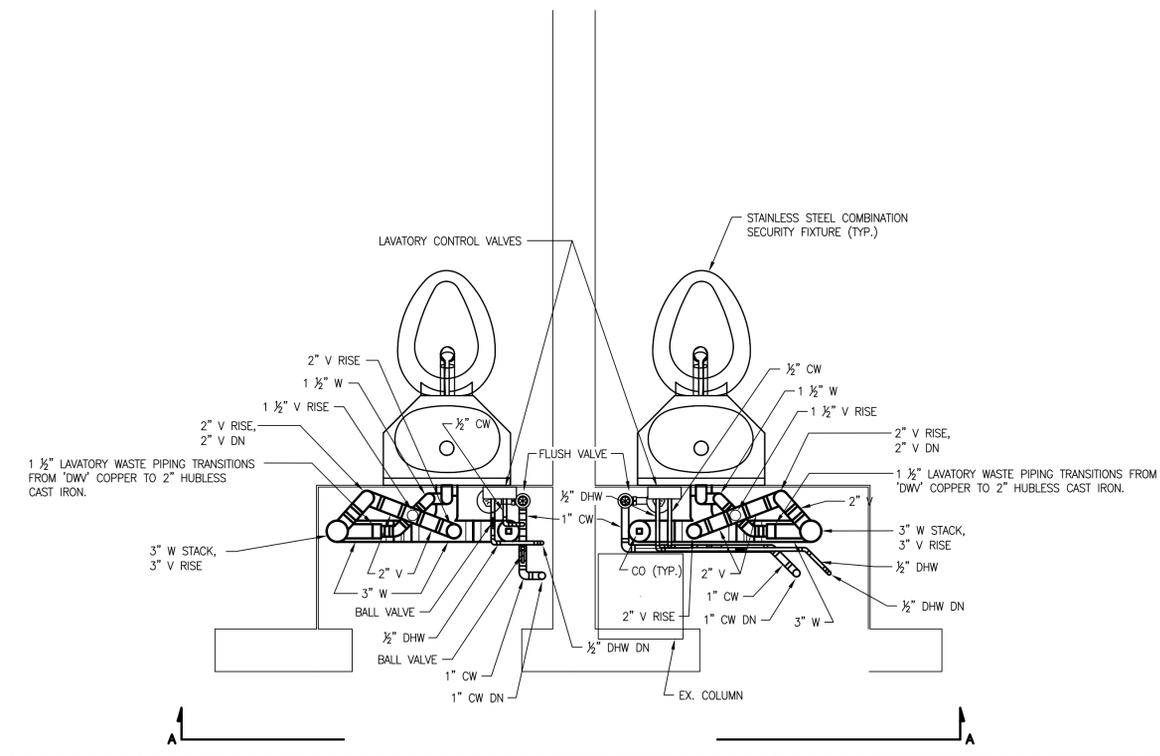
FIELD CHECK: XXXXX

APPROVED: BEE

SHEET TITLE:

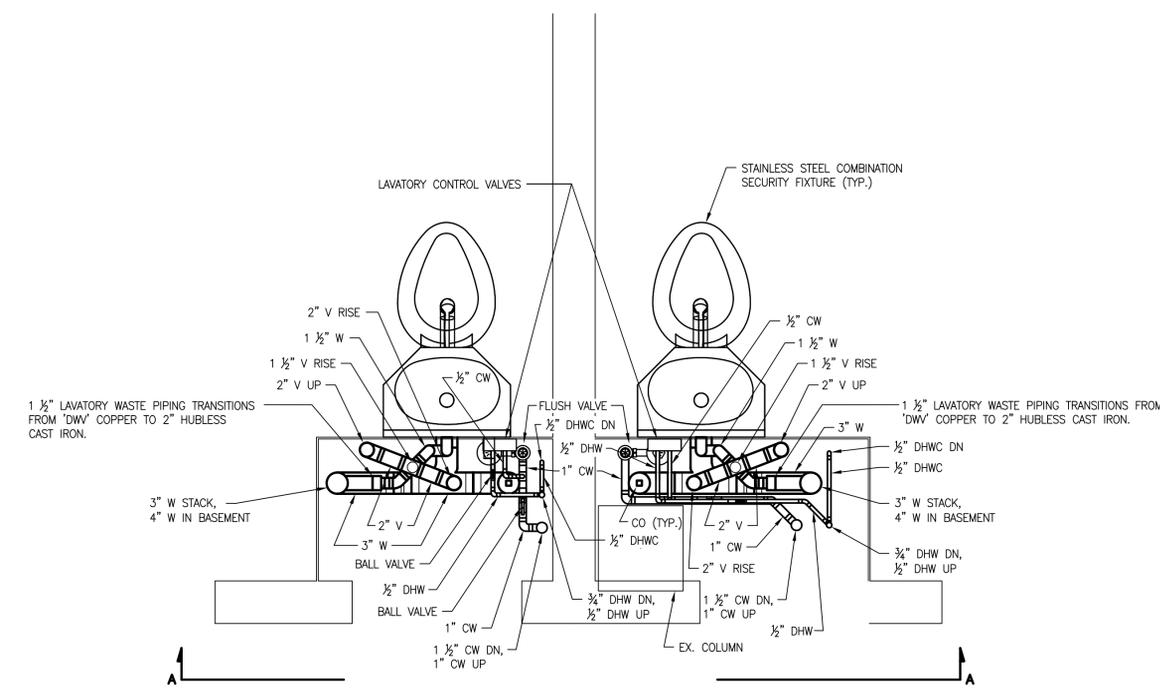
ENLARGED FLOOR PLANS
AND ELEVATIONS

DRAWING NUMBER:
P-401



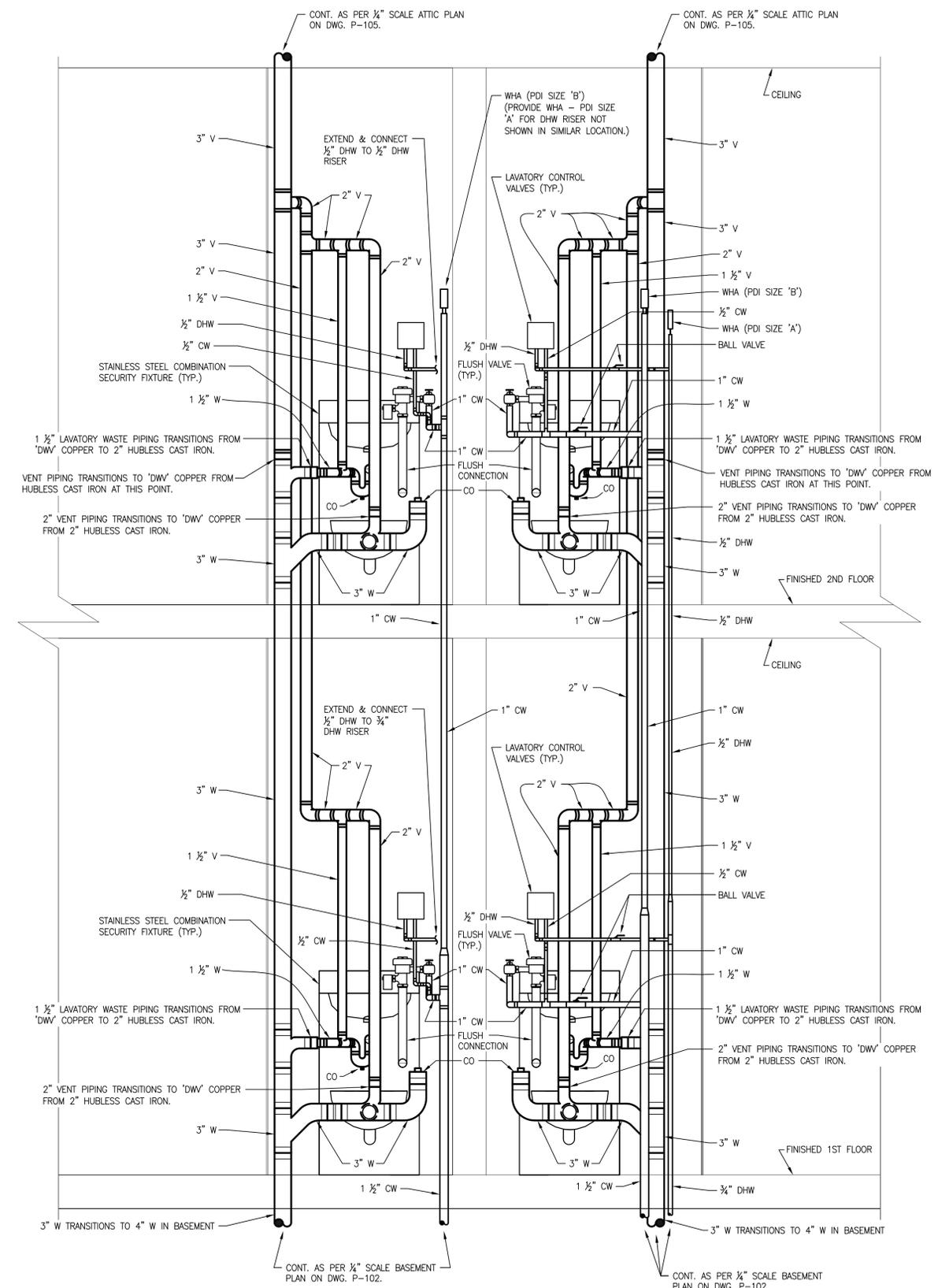
BUILDING NO. 62 - ENLARGED PARTIAL SECOND FLOOR PLAN
SCALE: 1" = 1'-0"

NOTE:
LAVATORY WASTE PIPING AND ALL VENT PIPING SHOWN ARE 'DWV' COPPER. ALL OTHER WASTE PIPING SHOWN IS HUBLESS CAST IRON. 'DWV' COPPER PIPING USED TO ENSURE ADEQUATE SPACE AND CLEARANCES.



BUILDING NO. 62 - ENLARGED PARTIAL FIRST FLOOR PLAN
SCALE: 1" = 1'-0"

NOTE:
LAVATORY WASTE PIPING AND ALL VENT PIPING SHOWN ARE 'DWV' COPPER. ALL OTHER WASTE PIPING SHOWN IS HUBLESS CAST IRON. 'DWV' COPPER PIPING USED TO ENSURE ADEQUATE SPACE AND CLEARANCES.



BUILDING NO. 62 - ELEVATION 'A-A'
SCALE: 1" = 1'-0"

NOTE:
LAVATORY WASTE PIPING AND ALL VENT PIPING SHOWN ARE 'DWV' COPPER. ALL OTHER WASTE PIPING SHOWN IS HUBLESS CAST IRON. 'DWV' COPPER PIPING USED TO ENSURE ADEQUATE SPACE AND CLEARANCES.

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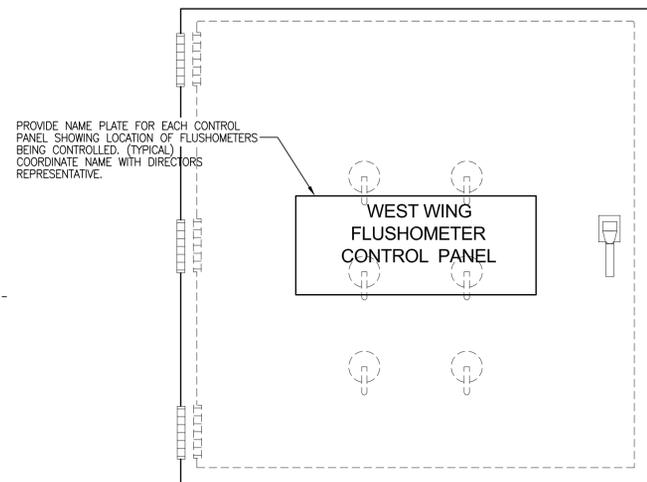
CONTRACT:

PLUMBING

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

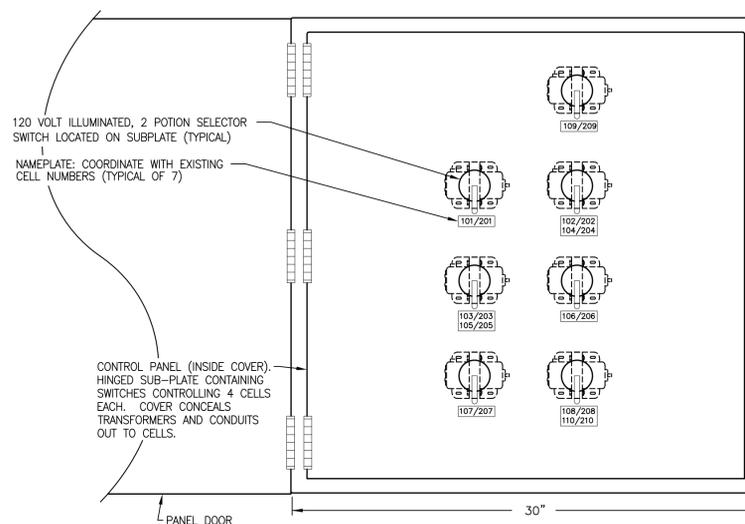
LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION



TYPICAL CLOSED CONTROL PANEL

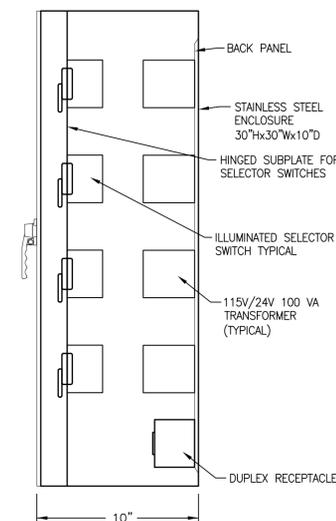
SCALE : NO SCALE (FRONT VIEW)



TYPICAL OPEN CONTROL PANEL

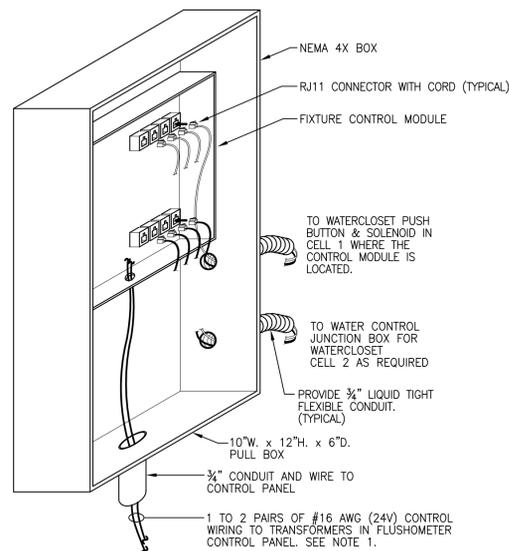
SCALE : NO SCALE (FRONT VIEW)

* SWITCHES TO CONTROL SIMILAR GROUPINGS OF CELLS EACH WING.
* EAST WING WILL HAVE 5 SELECTOR SWITCHES AND TRANSFORMERS (212, (211/213), (215/217), (214/216), 218)



TYPICAL CLOSED CONTROL PANEL

SCALE : NO SCALE (SIDE VIEW)

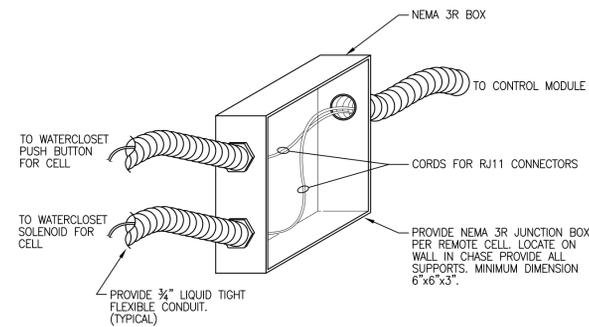


CONTROL MODULE

SCALE : NO SCALE (SYMBOL ■)

CONTROL MODULE NOTES:

1. PROVIDE RIGID METAL CONDUIT AND (2) #16 AWG FOR WATER CONTROL SYSTEM TRANSFORMERS TO WATER CONTROL MODULES. DISTANCES OVER 200' PROVIDE (2) #14 AWG.



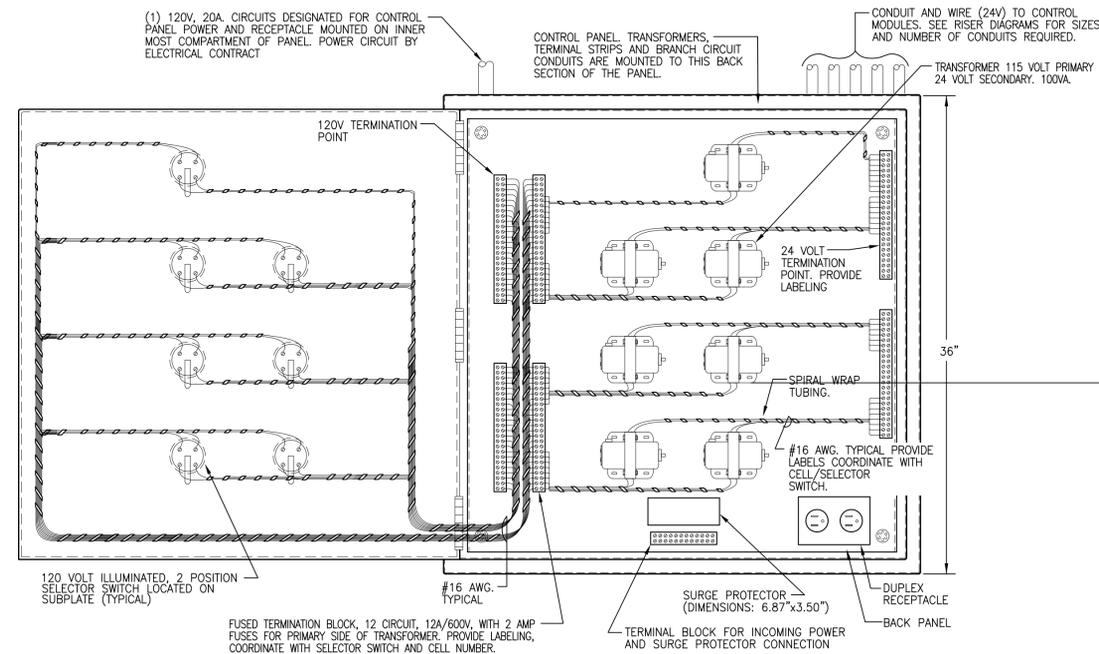
TYPICAL WATER CONTROL JUNCTION BOX

SCALE : NO SCALE

(SYMBOL □)

WATER CONTROL JUNCTION BOX NOTES:

1. ANY EXCESS CABLE FROM PUSHBUTTONS AND SOLENOIDS SHALL BE NEATLY COILED UP, TIE WRAPPED AND LABELED WITH CELL NUMBER AND DEVICE TYPE.



TYPICAL OPEN CONTROL SUB-PANEL ASSEMBLY

SCALE : NO SCALE (FRONT VIEW)

12/26/2015 BID DOCUMENT

MARK DATE DESCRIPTION

PROJECT NUMBER: 45384 - P

DESIGNED BY: KJV

DRAWN BY: SB

FIELD CHECK: XXXXX

APPROVED: KJV

SHEET TITLE:

CONTROLS DETAILS

DRAWING NUMBER:

P-501

CONSULTANT

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CONTRACT: PLUMBING

TITLE: VARIOUS SECURITY IMPROVEMENTS BUILDING 62

LOCATION: HUDSON CORRECTIONAL FACILITY HUDSON, NY

CLIENT: CORRECTIONS AND COMMUNITY SUPERVISION

MARK DATE DESCRIPTION

PROJECT NUMBER: 45384 - P

DESIGNED BY: KJV

DRAWN BY: SB

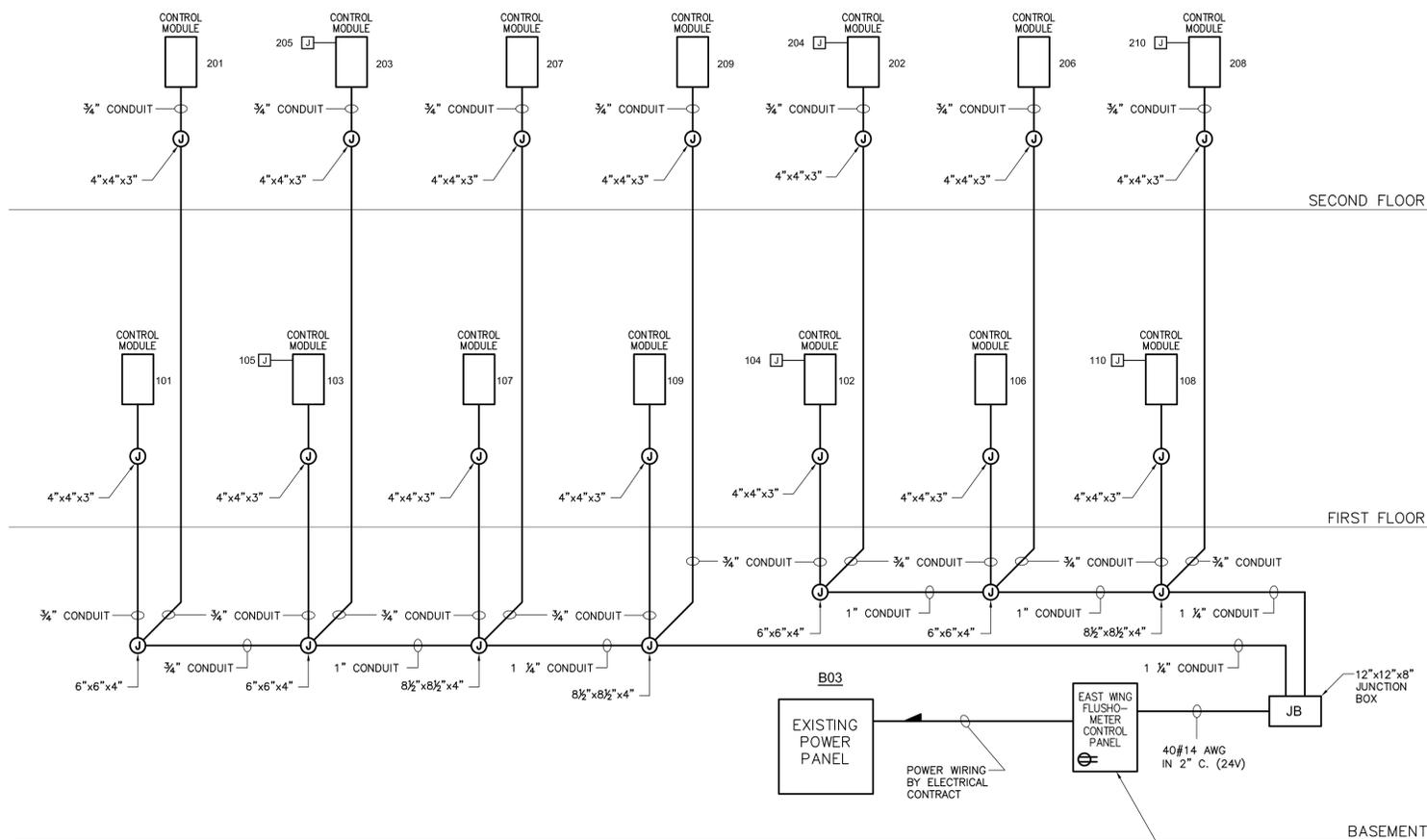
FIELD CHECK: XXXXX

APPROVED: KJV

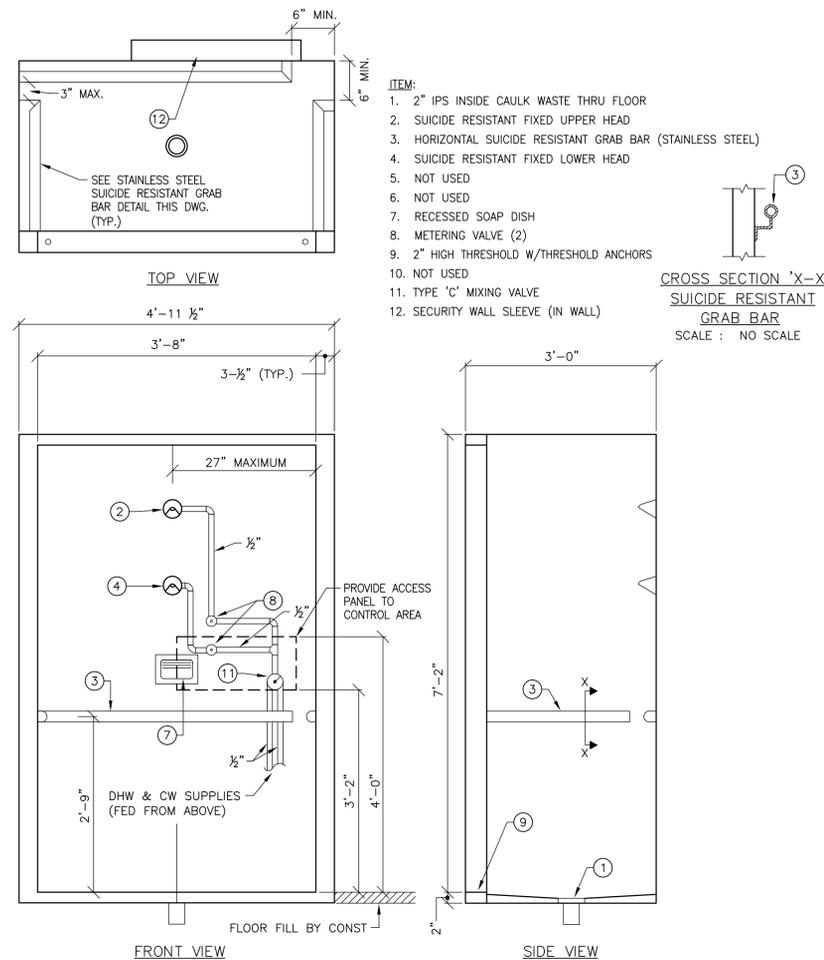
SHEET TITLE: CONTROL RISER DIAGRAMS, WIRING DIAGRAM & SHOWER DETAILS

DRAWING NUMBER: P-502

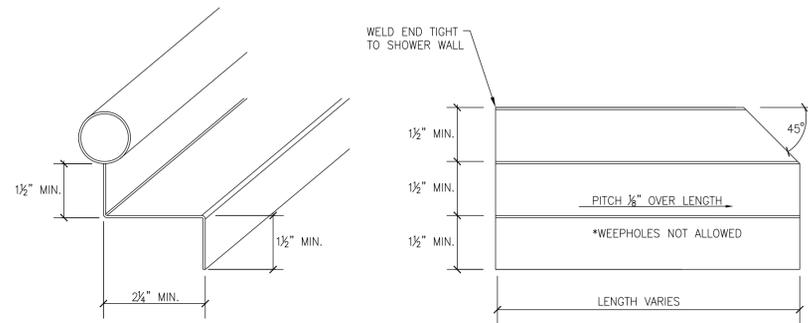
SHEET 10 OF 10



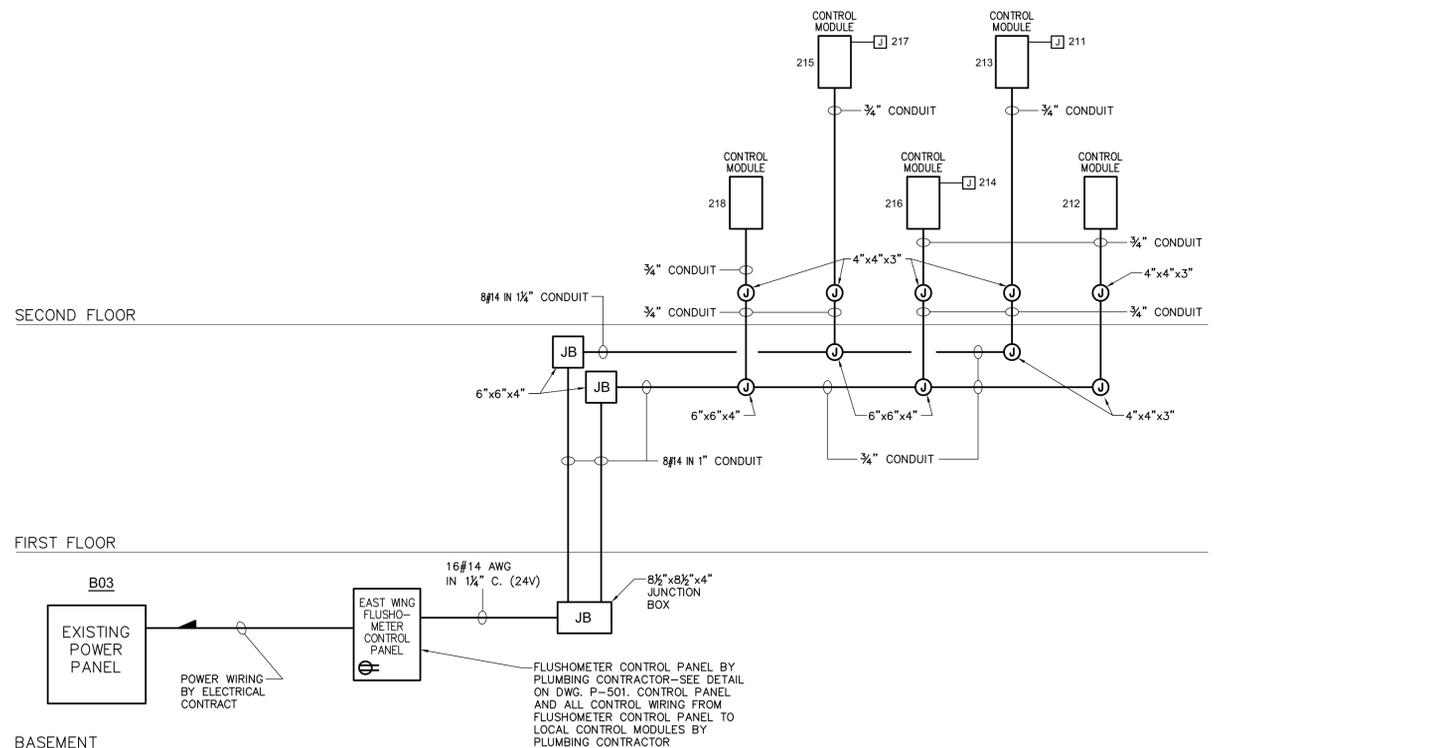
BLDG. 62 WEST WING RISER DIAGRAM
SCALE: NO SCALE



STAINLESS STEEL SHOWER ENCLOSURE - TYPE '2' & TYPE '4'
SCALE: NO SCALE
NOTE: TYPE '4' STAINLESS STEEL SHOWER ENCLOSURE (COORDINATE FLOOR DRAIN OPENING LOCATION WITH CONSTRUCTION CONTRACTOR)



STAINLESS STEEL SUICIDE RESISTANT GRAB BAR DETAILS
SCALE: NO SCALE



BLDG. 62 EAST WING RISER DIAGRAM
SCALE: NO SCALE

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CONTRACT:

ELECTRICAL

TITLE:
**VARIOUS SECURITY IMPROVEMENTS
BUILDING 62**

LOCATION:
**HUDSON CORRECTIONAL FACILITY
HUDSON, NY**

CLIENT:
**CORRECTIONS AND
COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:	45384 - E
DESIGNED BY:	BAH
DRAWN BY:	BAH
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
**SYMBOLS,
ABBREVIATIONS,
AND NOTES**

DRAWING NUMBER:
E-001

SYMBOLS

-  REMOVE EXISTING POWER PANEL
-  REMOVE FLUORESCENT LIGHTING
-  EXISTING POWER PANELBOARD TO REMAIN
-  EXISTING JUNCTION BOX TO REMAIN
-  RELOCATE MANUAL FIRE ALARM BOX
-  RELOCATE FIRE ALARM BELL
-  CONDUCTORS
-  HOMERUN TO PANELBOARD (NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS)
-  POWER PANEL
-  PHOTOELECTRIC CELL
-  MOTOR (PROVIDED BY OTHERS)
-  DUPLEX RECEPTACLE OUTLET
-  GROUND FAULT RECEPTACLE
-  SMOKE DETECTOR - PHOTOELECTRIC TYPE CONNECT TO EXISTING ADDRESSABLE CIRCUIT AND REPROGRAM FIRE ALARM SYSTEM AT ARSENAL
-  FLUORESCENT LIGHTING FIXTURE WITH 2 BALLASTS (ONE NORMAL ONE FOR SEPARATELY SWITCHED NIGHT LIGHT)
-  AUTOMATIC LIGHTING CONTROL PANEL
-  OUTSIDE 120 VOLT LED FIXTURE LED-3B
-  OUTSIDE 120 VOLT LED FIXTURE LED-1
-  MOTOR RATED SWITCH
-  MANUAL MOTOR CONTROLLER

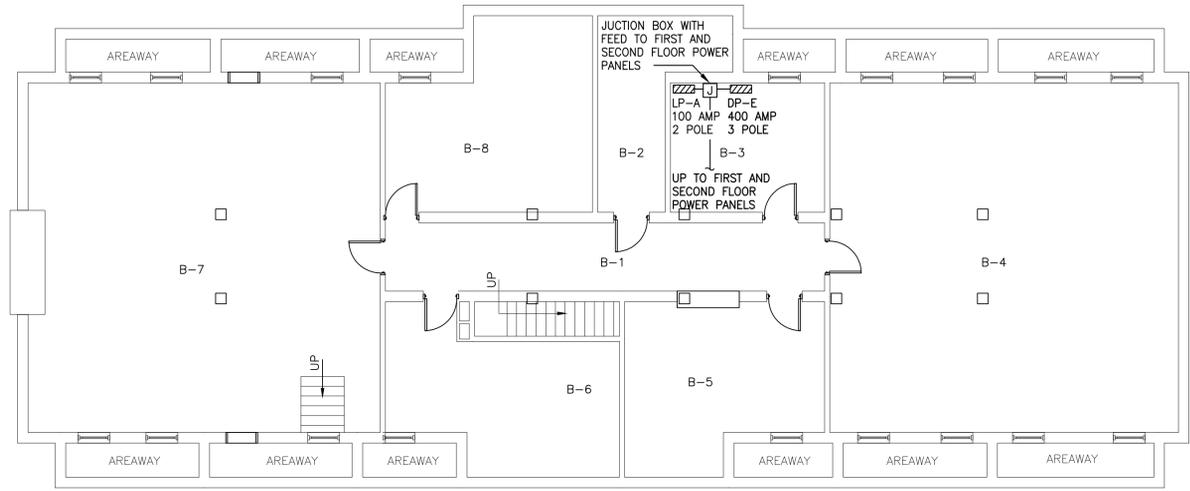
ABBREVIATIONS

- ATE AMPERE TRIP ELEMENT
- AAHX AIR TO AIR HEAT EXCHANGER
- AF AMPERE FRAME
- C CONDUIT
- EF EXHAUST FAN
- EGC EQUIPMENT GROUNDING CONDUCTOR
- FBO FURNISHED BY OTHERS
- HP HORSE POWER
- LED LIGHT EMITTING DIODE
- LP LIGHTING PANEL
- MCA MINIMUM CURRENT AMPS
- NIC NOT IN CONTRACT
- PP POWER PANEL
- V VOLTS

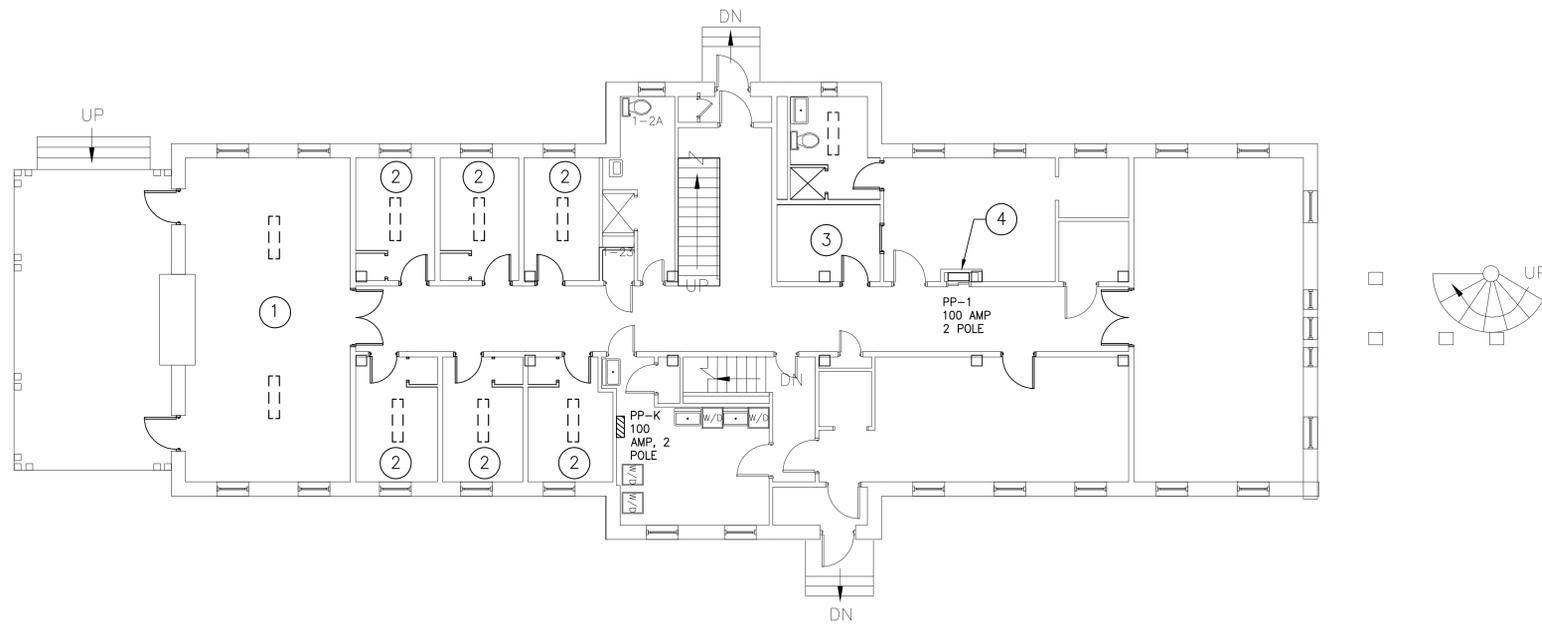
GENERAL NOTES:

(ALL ELECTRIC DRAWINGS)

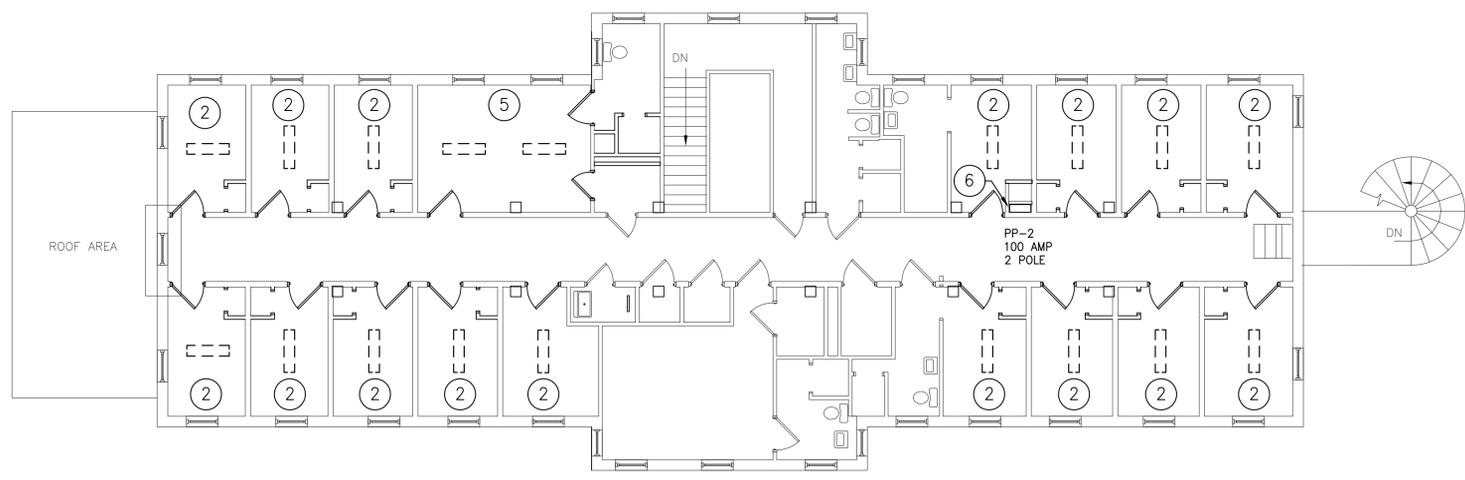
- A. REFERENCE HVAC AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF HVAC EQUIPMENT, HVAC CONTROL PANELS, AND PLUMBING CONTROL PANELS.



BUILDING 62 BASEMENT PLAN
SCALE: 1/8" = 1'-0"



BUILDING 62 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



BUILDING 62 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES:

(THIS DRAWING ONLY)

- ① REMOVE WIREMOLD, CONDUCTORS, SMOKE DETECTORS, RIGID CONDUIT, SMOKE ALARM CONDUCTORS, FIRE ALARM BELL, FIRE ALARM PULL STATION, EMERGENCY LIGHTING, & WIREMOLD RECEPTACLE BOXES FOR PROPOSED CELL INSTALLATION. (SAVE FIRE ALARM BELL AND PULL STATION FOR PROPOSED INSTALLATION ALSO FIRE ALARM RIGID CONDUIT REMOVE BACK TO EXISTING ROOM FOR CONNECTION TO PROPOSED ROOMS)
- ② REMOVE LIGHTING, SWITCH PLATES, RECEPTACLE PLATES AND RECEPTACLES.
- ③ REMOVE WIREMOLD, CONDUCTORS, AND WIREMOLD RECEPTACLE BOXES.
- ④ REMOVE POWER PANEL FEEDERS BACK TO JUNCTION BOX NEAR DP-E IN BASEMENT ELECTRICAL ROOM. LEAVE CIRCUITS FOR CONNECTION TO PROPOSED PANEL. (NOTE: PP-1 IS A FEED THROUGH PANEL TO THE SECOND FLOOR PANEL PP-2.)
- ⑤ REMOVE WIREMOLD, CONDUCTORS, LIGHTING, AND WIREMOLD RECEPTACLE BOXES.
- ⑥ REMOVE POWER PANEL AND LEAVE BRANCH CIRCUIT CONDUIT AND CONDUCTORS FOR CONNECTION TO WIREWAY IN PROPOSED ELECTRICAL INSTALLATION. (REMOVE FEED TO FIRST FLOOR POWER PANEL)

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CONTRACT:

ELECTRICAL

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:

HUDSON CORRECTIONAL FACILITY
HUDSON, NY

CLIENT:

CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

PROJECT NUMBER:
45384 - E

DESIGNED BY:
BAH

DRAWN BY:
BAH

FIELD CHECK:

APPROVED:

SHEET TITLE:

BUILDING
ELECTRICAL
REMOVALS

DRAWING NUMBER:

E-101

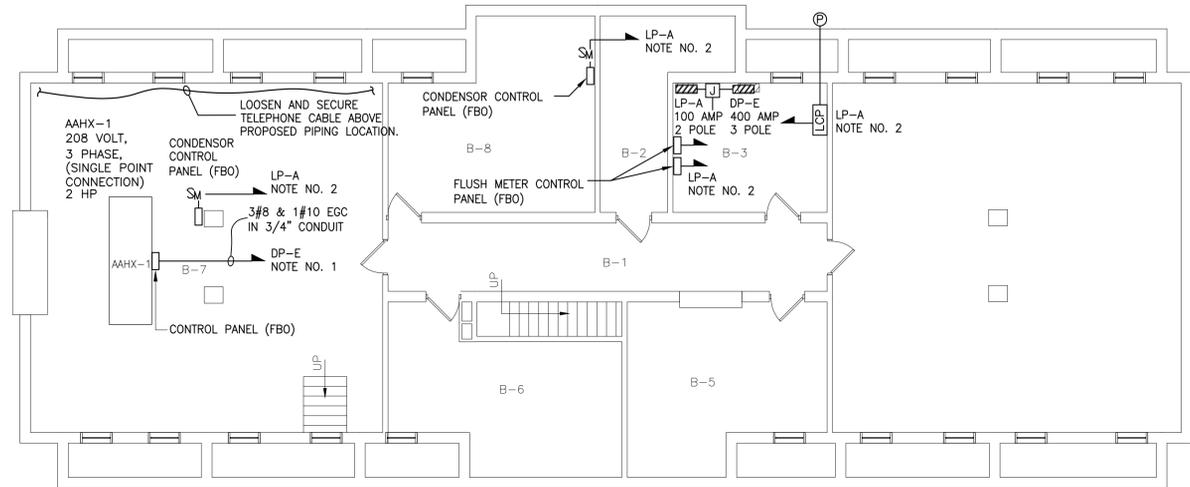
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CONTACT KAREN DISONELL

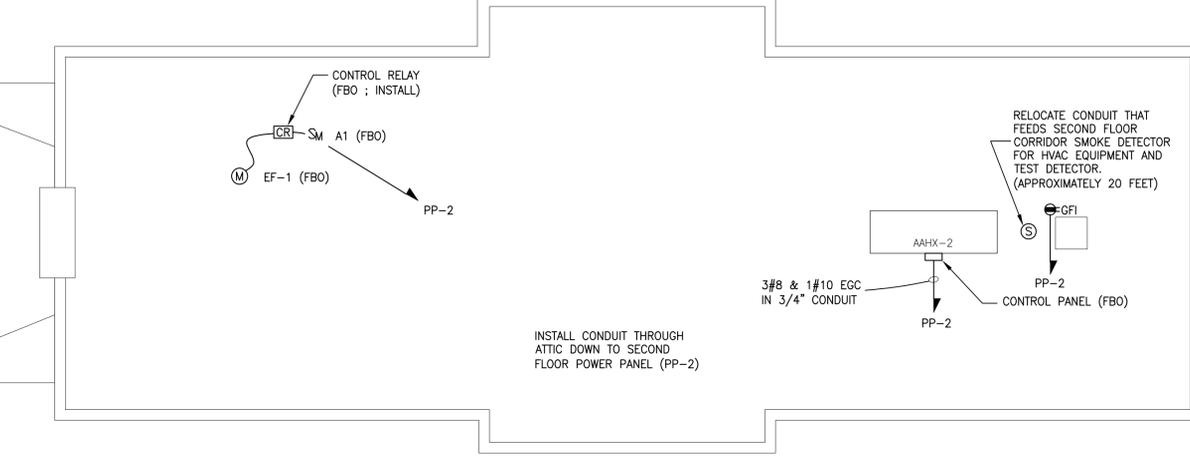
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CONTRACT:
ELECTRICAL
TITLE:
VARIOUS SECURITY IMPROVEMENTS BUILDING 62
LOCATION:
HUDSON CORRECTIONAL FACILITY HUDSON, NY
CLIENT:
CORRECTIONS AND COMMUNITY SUPERVISION

MARK: 12/26/2015 BID DOCUMENT
PROJECT NUMBER: **45384 - E**
DESIGNED BY: BAH
DRAWN BY: BAH
FIELD CHECK:
APPROVED:
SHEET TITLE:
BUILDING ELECTRICAL INSTALLATIONS
DRAWING NUMBER:
E-102
SHEET 3 OF 4



BUILDING 62 BASEMENT PLAN
SCALE: 1/8" = 1'-0"



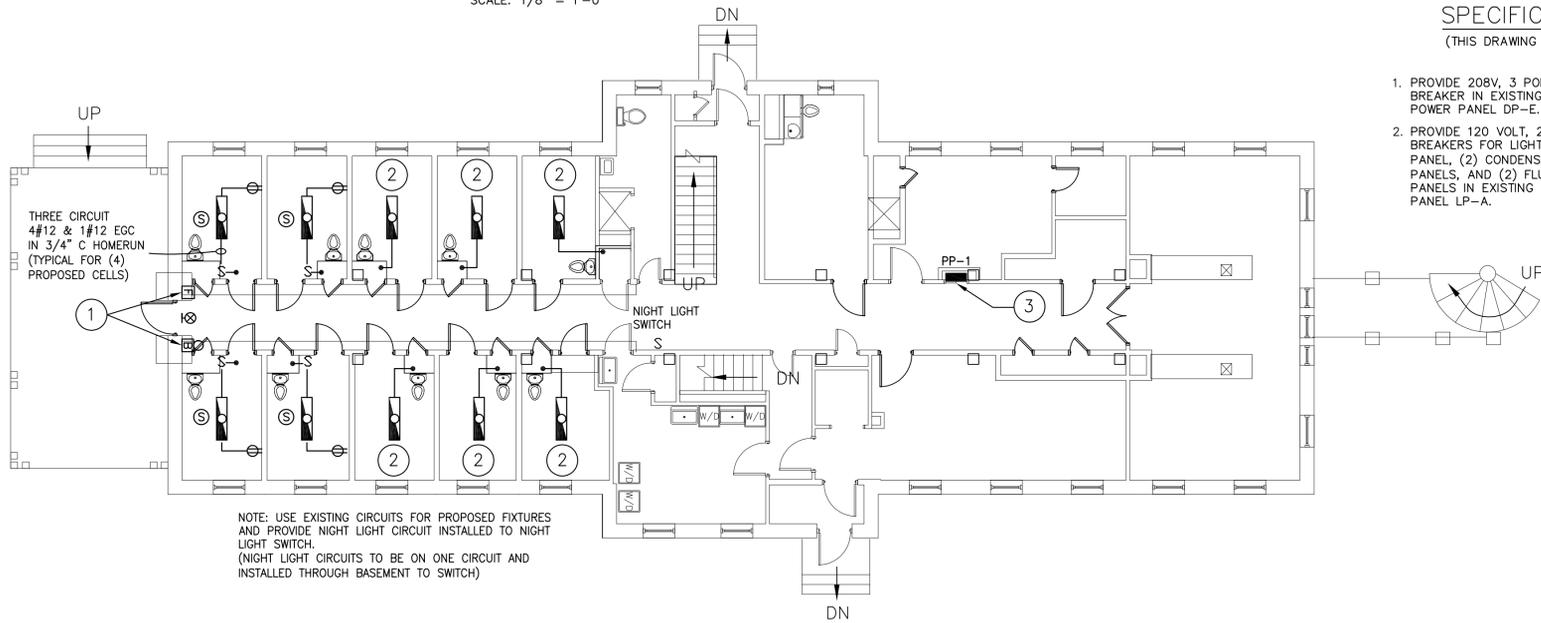
BUILDING 62 ATTIC PLAN
SCALE: 1/8" = 1'-0"

SPECIFIC NOTES
(THIS DRAWING ONLY)

1. PROVIDE 208V, 3 POLE, 20 AMP BREAKER IN EXISTING SPACE IN EXISTING POWER PANEL DP-E.
2. PROVIDE 120 VOLT, 20 AMP, CIRCUIT BREAKERS FOR LIGHTING CONTROL PANEL, (2) CONDENSER CONTROL PANELS, AND (2) FLUSH METER CONTROL PANELS IN EXISTING SPACES IN EXISTING PANEL LP-A.

KEY NOTES:
(THIS DRAWING ONLY)

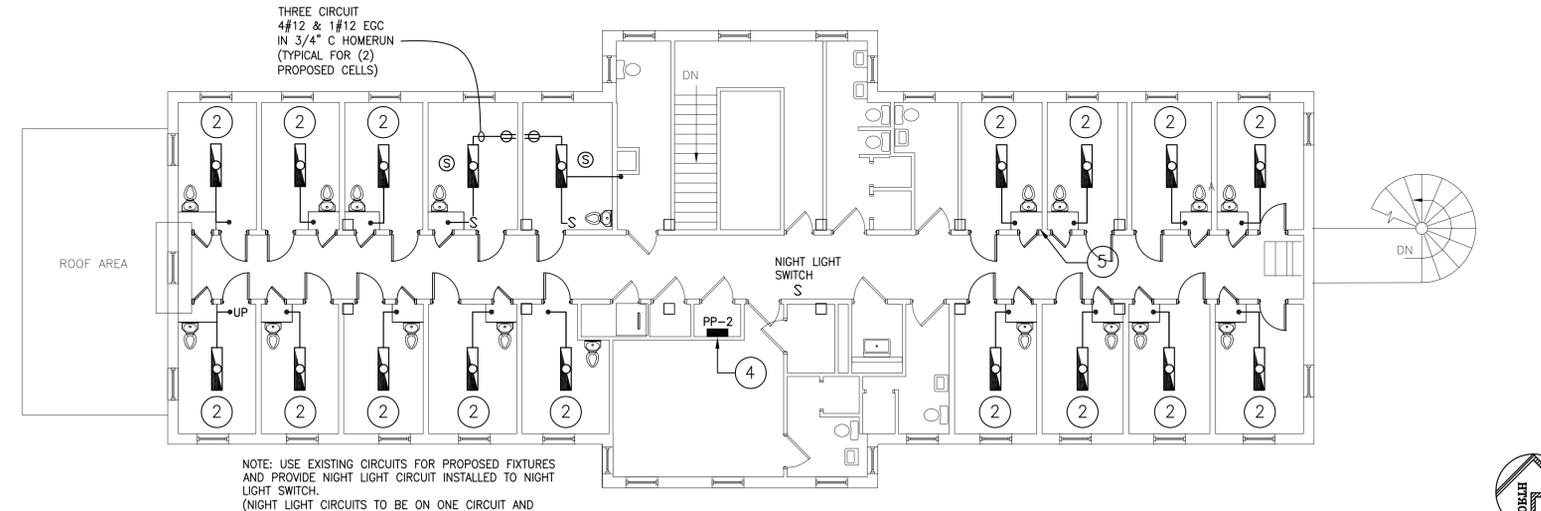
1. EXTEND CONDUIT AND WIRING TO FIRE ALARM BELL, PULL STATION, AND EMERGENCY LIGHTING.
2. PROVIDE FIXTURE, LIGHT SWITCH, DUPLEX RECEPTACLE, ALSO 10 GAUGE PLATE FOR SWITCH AND RECEPTACLE.
3. PROVIDE POWER PANEL IN EXISTING SPACE AND CONNECT EXISTING CIRCUITS. INSTALL (5) 3/4" CONDUITS THROUGH FLOOR TO BASEMENT AS SPARE FOR FUTURE CIRCUITS. PROVIDE 4#2 & 1#6 EGC IN 1-1/2" CONDUIT DOWN THROUGH BASEMENT TO EXISTING POWER PANEL DP-E. PROVIDE (1) 100 AMP, 208V, 3 POLE BREAKER IN EXISTING SPACE IN PANEL DP-E. (APPROXIMATELY 70 FEET)
4. PROVIDE 4#2 & 1#6 EGC IN 1-1/2" UP THROUGH ATTIC CHASE AND DOWN THROUGH PLUMBING CHASE TO EXISTING POWER PANEL DP-E IN BASEMENT ELECTRICAL ROOM. PROVIDE (1) 100 AMP, 208V, 3 POLE BREAKER IN EXISTING SPACE IN PANEL DP-E. (APPROXIMATELY 70 FEET)
5. PROVIDE WIREWAY INSIDE CHASE AROUND PLUMBING ACCESS DOOR FOR EXISTING 12 CIRCUITS. INSTALL CIRCUITS THROUGH ATTIC SPACE WITH 2" OF 1-1/2" CONDUIT UP THROUGH ATTIC FLOOR TO JUNCTION BOX AND TO PP-2 IN (4) 3/4" CONDUITS (3 CONDUITS PER EACH CONDUIT). VERIFY GROUND CONTINUITY FROM PP-2 TO EXISTING CIRCUIT CONDUITS.



BUILDING 62 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

PANELBOARD SCHEDULE

DESIGNATION: PP-1	FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING - 10K RMS SYMMETRICAL AMPERES			
	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	MAIN LUG ONLY	COMPONENTS (SEE BELOW)		
CABINET NEMA TYPE: 1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
MOUNTING: RECESSED	<input type="checkbox"/>	<input type="checkbox"/>				
MAIN: 100						
VOLTAGE: 120/208						
PHASE: 3						
NO. WIRES: 4						
OTHER REQ:						
FULL CAPACITY NEUTRAL BUS	<input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS	<input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C	<input type="checkbox"/>					
MICROPROCESSOR BASED MULTIFUNCTION POWER AND ENERGY METER	<input type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS						
DESCRIPTION	ATE	NO.	A B C	NO. ATE	DESCRIPTION	
EXISTING CIRCUIT	20	1		2	20	EXISTING CIRCUIT
	20	3		4	20	
	20	5		6	20	
	20	7		8	20	
	20	9		10	20	
	20	11		12	20	
	20	13		14	20	
	20	15		16	20	
	20	17		18	20	
	20	19		20	20	
NIGHT LIGHT FIRST FLOOR	20	21		22	20	LIGHTS AND RECEPTACLE
LIGHTS AND RECEPTACLE	20	23		24	20	LIGHTS AND RECEPTACLE
LIGHTS AND RECEPTACLE	20	25		26	20	SPARE
SPARE	20	27		28	20	SPARE
SPARE	20	29		30	20	SPARE
SPARE	20	31		32	20	SPARE
SPARE	20	33		34	20	SPARE
SPARE	20	35		36	20	SPARE



BUILDING 62 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

PANELBOARD SCHEDULE

DESIGNATION: PP-2	FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING - 10K RMS SYMMETRICAL AMPERES			
	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	MAIN LUG ONLY	COMPONENTS (SEE BELOW)		
CABINET NEMA TYPE: 1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
MOUNTING: SUBURFACE	<input type="checkbox"/>	<input type="checkbox"/>				
MAIN: 100						
VOLTAGE: 120/208						
PHASE: 3						
NO. WIRES: 4						
OTHER REQ:						
FULL CAPACITY NEUTRAL BUS	<input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS	<input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C	<input type="checkbox"/>					
MICROPROCESSOR BASED MULTIFUNCTION POWER AND ENERGY METER	<input type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS						
DESCRIPTION	ATE	NO.	A B C	NO. ATE	DESCRIPTION	
EXISTING CIRCUIT	20	1		2	20	EXISTING CIRCUIT
	20	3		4	20	
	20	5		6	20	
	20	7		8	20	
	20	9		10	20	
	20	11		12	20	
NIGHT LIGHT SECOND FLOOR	20	13		14	20	EXIT LIGHT
LIGHTS AND RECEPTACLE	20	15		16	20	ATTIC GFI RECEPTACLE
LIGHTS AND RECEPTACLE	20	17		18	15	ATTIC FAN EF-1
HVAC IN ATTIC	35	21		20	20	SPARE
SPARE	20	26		26	20	SPARE
SPARE	20	28		28	20	SPARE
SPARE	20	29		30	20	SPARE
SPARE	20	31		32	20	SPARE
SPARE	20	33		34	20	SPARE
SPARE	20	35		36	20	SPARE

Dec 28, 2015 - 1:55pm
 V:\Design\corcoran\45384\30_Design\Phase 35_CAD\CadElec\45384-Hudson-E 102.dwg
 36x24 PLOT SHEET

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1/7/2016 1:00PM
CONTACT KAREN DISONELL**

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

CONTRACT:
ELECTRICAL

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

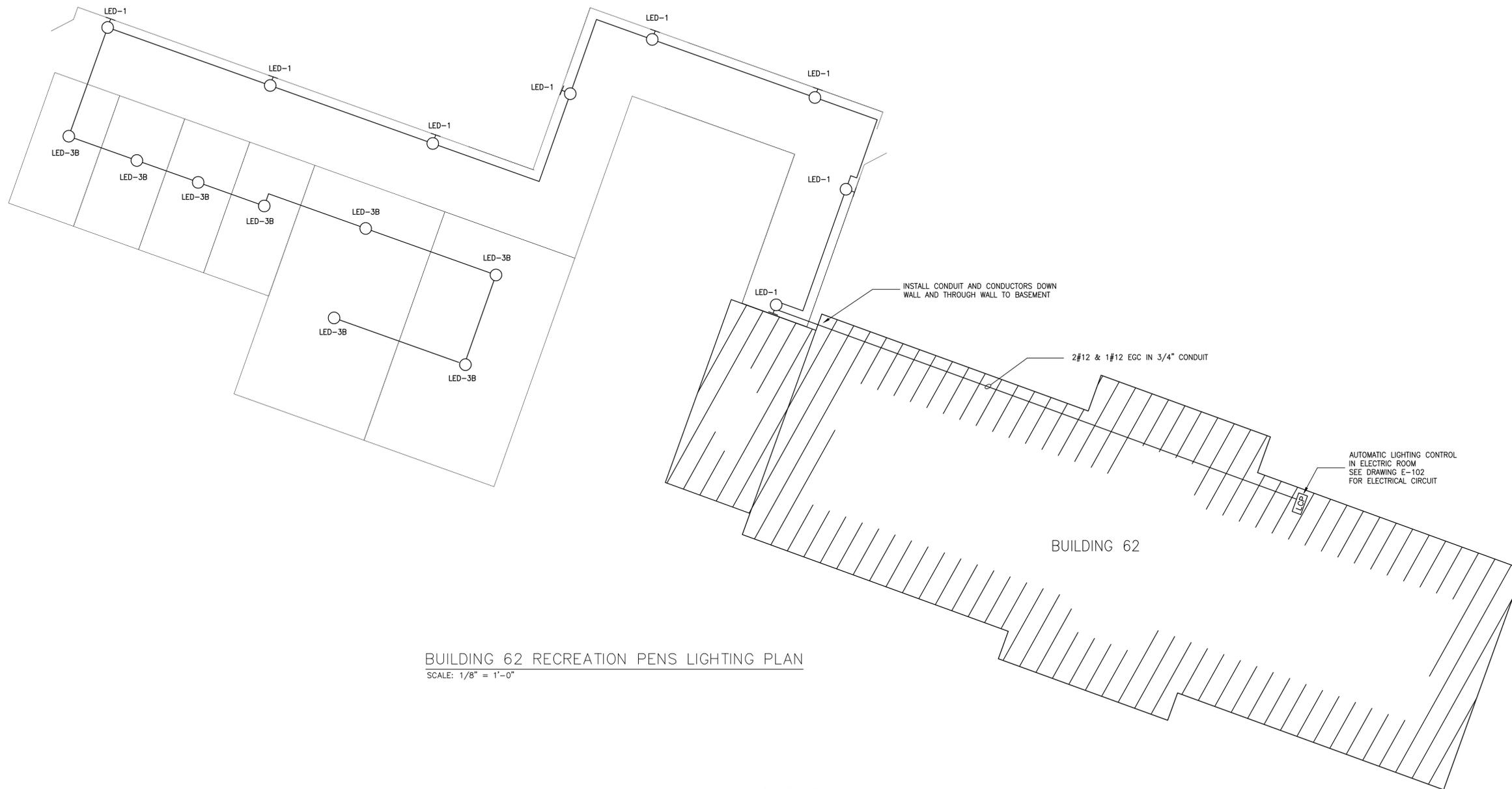
CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	12/26/2015	BID DOCUMENT

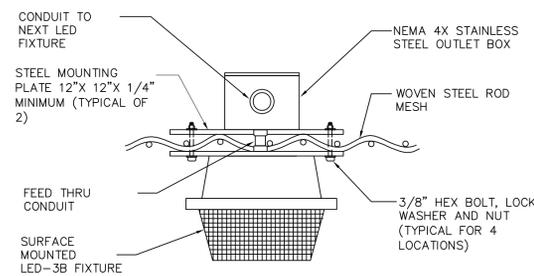
PROJECT NUMBER:	45384 - E
DESIGNED BY:	BAH
DRAWN BY:	BAH
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 62
RECREATION PEN LED
LIGHTING INSTALLATION

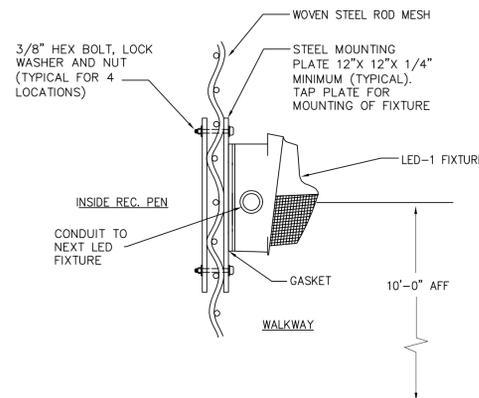
DRAWING NUMBER:
E-103



BUILDING 62 RECREATION PENS LIGHTING PLAN
SCALE: 1/8" = 1'-0"



SURFACE MOUNTED LED-3B FIXTURE DETAIL
NOT TO SCALE



REC. PEN LED-1 FIXTURE DETAIL
NOT TO SCALE

GENERAL NOTES:

(THIS DRAWING ONLY)

- A. VERIFY LOCATIONS OF RECREATION PENS AND LED LIGHTING BEFORE INSTALLATION.