

# CONSTRUCTION & DEMOLITION WASTE RECYCLING FACILITY

## BID DOCUMENTS - BID NO. 315011

### 7102 U.S. HIGHWAY 12/18

### MADISON, WISCONSIN

**SCS ENGINEERS**  
 2830 DAIRY DRIVE, MADISON, WI 53718-6751  
 PHONE: (608) 224-2830

**CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY**  
 7102 US HWY 12/18  
 MADISON, WISCONSIN

DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

**PROCESS AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

**ARCHITECT:**  
 DORSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

**MECHANICAL, ELECTRICAL, PLUMBING DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711

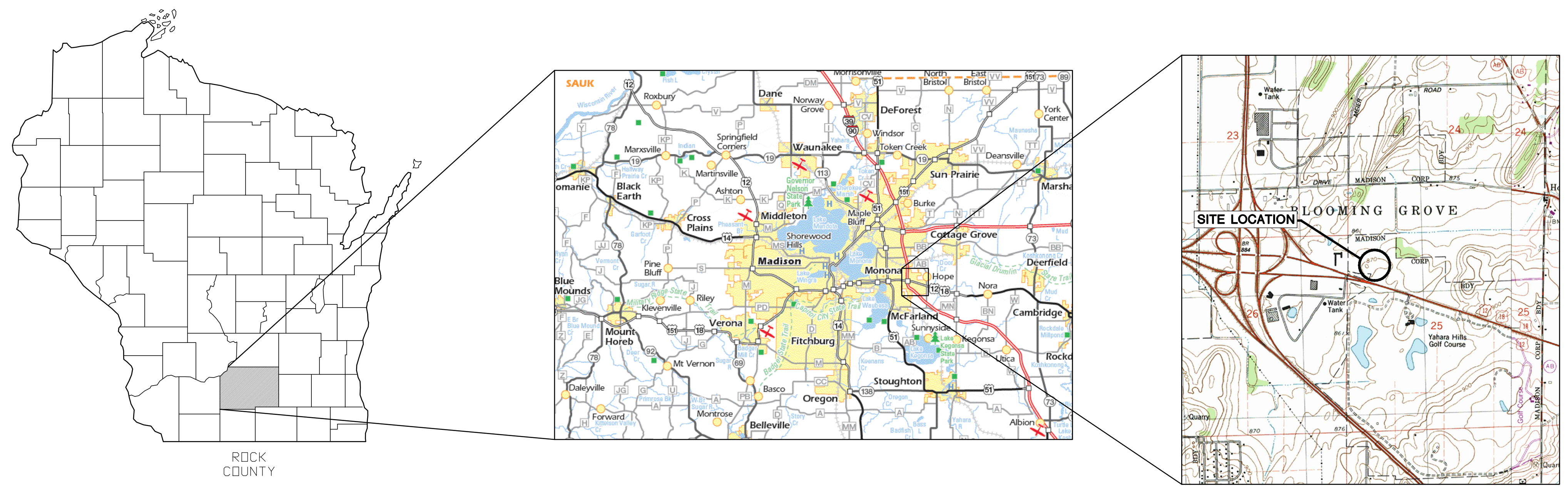
**PREPARED FOR:** DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY AND TRANSPORTATION  
 PUBLIC WORKS SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WISCONSIN

**PREPARED BY:** SCS ENGINEERS  
 MADISON, WISCONSIN

**DATE:** APRIL 2015

## INDEX

<b>GENERAL</b>	
G100	TITLE SHEET
<b>CIVIL</b>	
C100	EXISTING CONDITIONS
C110	DEMOLITION PLAN
C300	SITE PLAN
C310	LANDSCAPE AND RESTORATION PLAN
C600	DETAILS
<b>PROCESS</b>	
Q100	GENERAL ARRANGEMENT
Q200	EQUIPMENT ELEVATIONS - A-C
Q201	EQUIPMENT ELEVATIONS - D-H
<b>DEMOLITION</b>	
D100	WTS NEW TIPPING FLOOR DEMOLITION PLAN
<b>ARCHITECTURAL</b>	
A000	SYMBOLS AND ABBREVIATIONS
A100	EXTERIOR ELEVATIONS
A101	EXTERIOR ELEVATIONS
A200	WTS NEW TIPPING FLOOR PLAN
A201	WTS SORTING PLATFORM FLOOR PLAN
A202	ROOF PLAN
A400	BUILDING SECTIONS
A401	BUILDING SECTIONS
A500	WALL SECTIONS
A520	PARTIAL PLANS, SECTIONS, ELEVATIONS, AND DETAILS
A600	EXTERIOR DETAILS
A601	EXTERIOR DETAILS
A720	DOOR SCHEDULES, DETAILS, AND PARTITION TYPES
<b>STRUCTURAL</b>	
S001	STRUCTURAL NOTES
S100	FOUNDATION PLAN
S200	FRAMING PLAN
S300	FOUNDATION DETAILS
S301	FOUNDATION DETAILS
S400	FRAMING DETAILS
S401	FRAMING DETAILS
<b>FIRE PROTECTION</b>	
F201	WTS NEW TIPPING FLOOR PLAN - FIRE PROTECTION
<b>PLUMBING</b>	
P000	SYMBOLS, ABBREVIATIONS, DETAILS AND SCHEDULES - PLUMBING
P101	WTS TIPPING FLOOR PLAN DEMOLITION - PLUMBING
P200	UNDERFLOOR PLAN - PLUMBING
P201	CLEAN SWEEP BUILDING - MAIN LEVEL - PLUMBING
P202	WTS NEW TIPPING FLOOR PLAN - PLUMBING
<b>HVAC</b>	
M000	SYMBOLS AND ABBREVIATIONS - HVAC
M001	PARTIAL SITE PLAN - HVAC
M002	GENERATOR BUILDING - HVAC
M003	JACKET WATER AND SCAC PIPING
M101	WTS TIPPING FLOOR PLAN - DEMOLITION - HVAC
M201	CLEAN SWEEP BUILDING - MAIN LEVEL - HVAC
M202	WTS NEW TIPPING FLOOR PLAN - HVAC
M203	WTS SORTING PLATFORM FLOOR PLAN - HVAC
M204	WTS SORTING PLATFORM FLOOR PLAN - HVAC PIPING
M800	SCHEDULES - HVAC
M900	DETAILS AND SCHEMATICS - HVAC
<b>ELECTRICAL</b>	
E000	SYMBOLS & SCHEDULES - ELECTRICAL
E001	SITE PLAN - ELECTRICAL
E101	WTS UPPER LEVEL FLOOR PLAN - DEMOLITION - ELECTRICAL
E201	PARTIAL FLOOR PLANS - ELECTRICAL
E202	PARTIAL FLOOR PLANS - ELECTRICAL
E600	ONE-LINE DIAGRAM - ELECTRICAL
E800	ELECTRICAL SCHEDULES



WISCONSIN

VICINITY LOCATOR MAP

SITE LOCATOR MAP  
 APPROXIMATE SCALE: 1"=2,000'

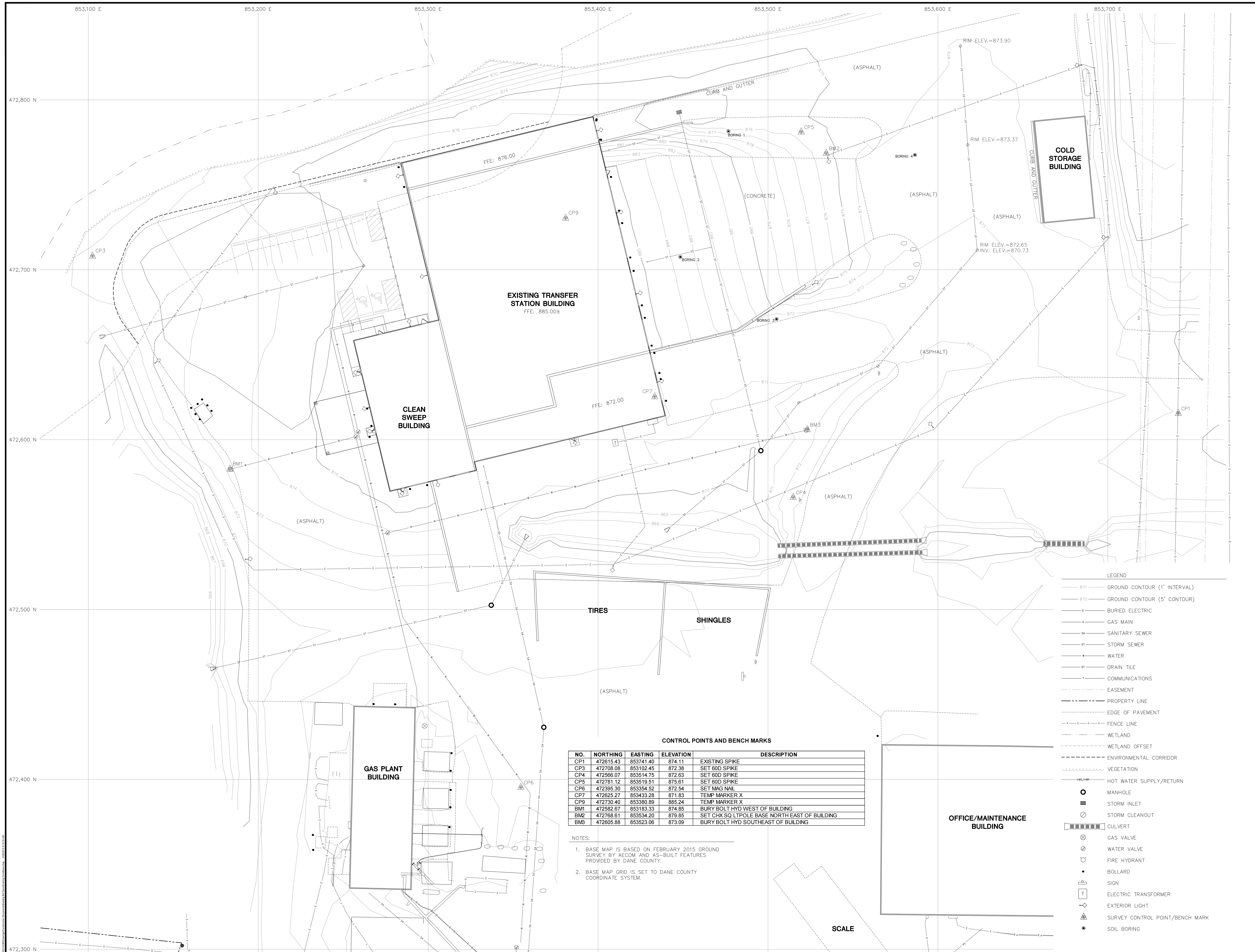
REVISION	DATE	BY	TITLE

PROJECT NO: 25014236.00  
 DRAWN: 02/13/15  
 REVISED: 04/27/15  
 DRAWN BY: AHB  
 CHECKED BY: MH  
 APPROVED BY:

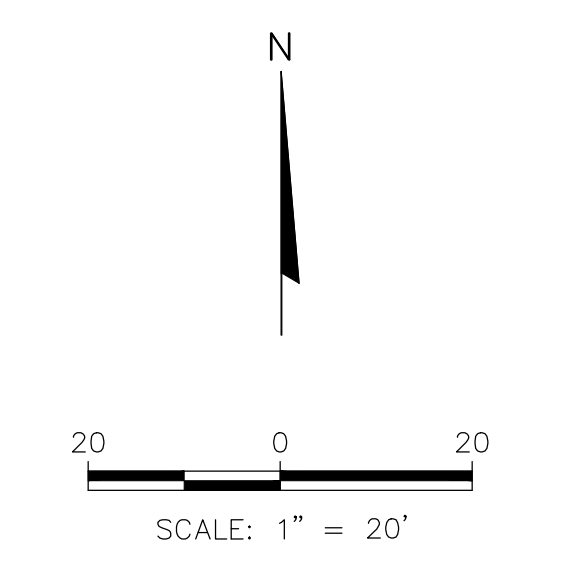
**BID DOCUMENTS  
 ISSUED 04/28/15**

**TITLE SHEET**

SHEET NUMBER  
**G100**



- LEGEND**
- 871 GROUND CONTOUR (1' INTERVAL)
  - 870 GROUND CONTOUR (5' CONTOUR)
  - BURIED ELECTRIC
  - GAS MAIN
  - SA SANITARY SEWER
  - ST STORM SEWER
  - WATER
  - DT DRAIN TILE
  - COMMUNICATIONS
  - EASEMENT
  - PROPERTY LINE
  - EDGE OF PAVEMENT
  - FENCE LINE
  - WETLAND
  - WETLAND OFFSET
  - ENVIRONMENTAL CORRIDOR
  - VEGETATION
  - HOT WATER SUPPLY/RETURN
  - MANHOLE
  - STORM INLET
  - STORM CLEANOUT
  - CULVERT
  - GAS VALVE
  - WATER VALVE
  - FIRE HYDRANT
  - BOLLARD
  - SIGN
  - ELECTRIC TRANSFORMER
  - EXTERIOR LIGHT
  - SURVEY CONTROL POINT/BENCH MARK
  - SOIL BORING



**CONTROL POINTS AND BENCH MARKS**

NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	472615.43	853741.40	874.11	EXISTING SPIKE
CP3	472708.08	853102.45	872.38	SET 60D SPIKE
CP4	472566.07	853514.75	872.63	SET 60D SPIKE
CP5	472781.12	853519.51	875.61	SET 60D SPIKE
CP6	472395.30	853354.52	872.54	SET MAG NAIL
CP7	472625.27	853433.28	874.83	TEMP MARKER X
CP9	472730.40	853380.89	865.24	TEMP MARKER X
BM1	472582.67	853183.33	874.85	BURY BOLT HYD WEST OF BUILDING
BM2	472768.61	853534.20	879.85	SET CHX SQ LTPOLE BASE NORTH EAST OF BUILDING
BM3	472605.88	853523.06	873.09	BURY BOLT HYD SOUTHEAST OF BUILDING

- NOTES:**
- BASE MAP IS BASED ON FEBRUARY 2015 GROUND SURVEY BY AECOM AND AS-BUILT FEATURES PROVIDED BY DANE COUNTY.
  - BASE MAP GRID IS SET TO DANE COUNTY COORDINATE SYSTEM.

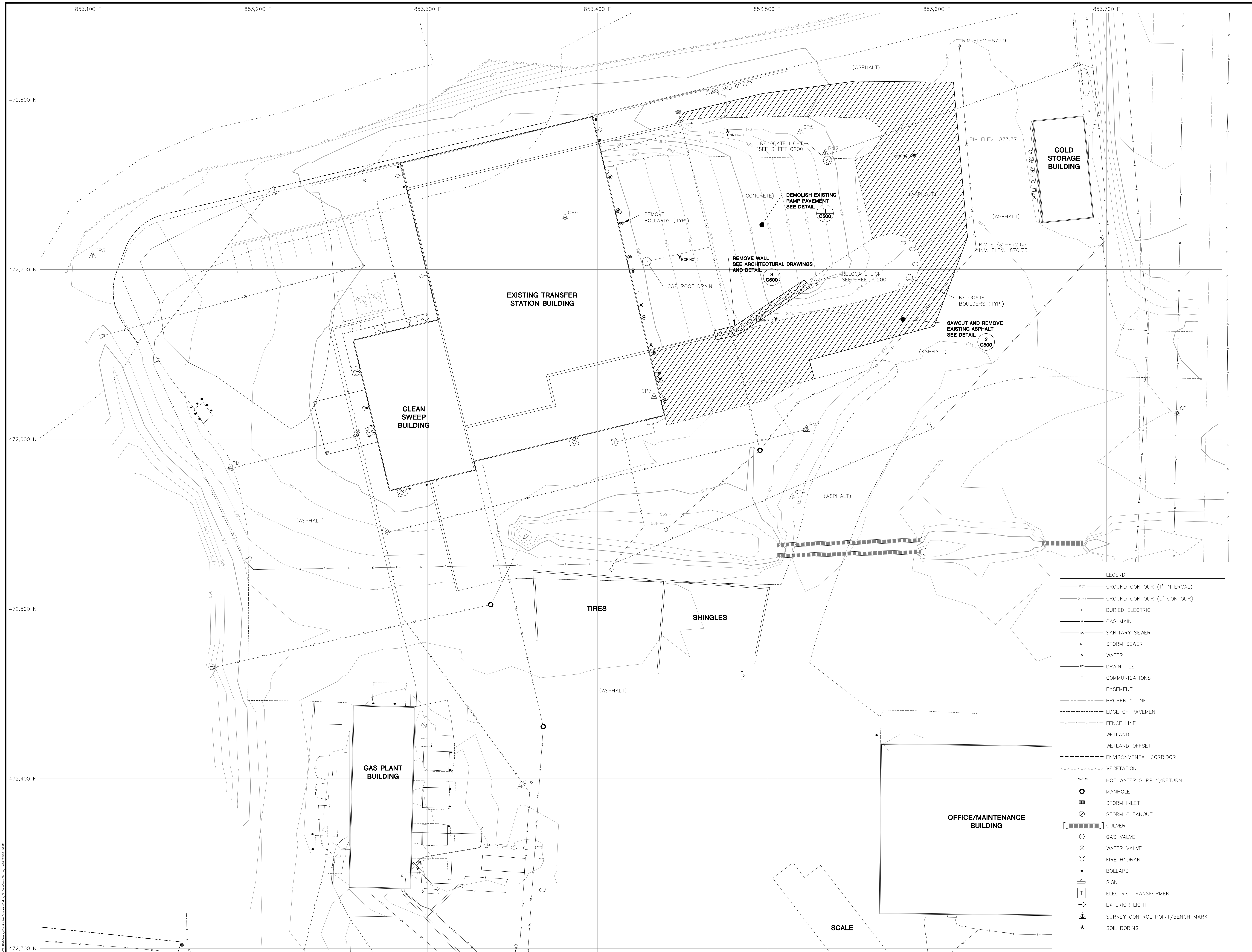
REVISION	DATE	BY	TITLE

PROJECT NO: 25214236.00  
 DRAWN: 02/16/15  
 REVISED: 04/27/15  
 DRAWN BY: AHB  
 CHECKED BY: MH  
 APPROVED BY:

**BID DOCUMENTS**  
**ISSUED 04/28/15**

**EXISTING CONDITIONS**

SHEET NUMBER  
**C100**



**CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY  
 7102 US HWY 12/18  
 MADISON, WISCONSIN**

DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

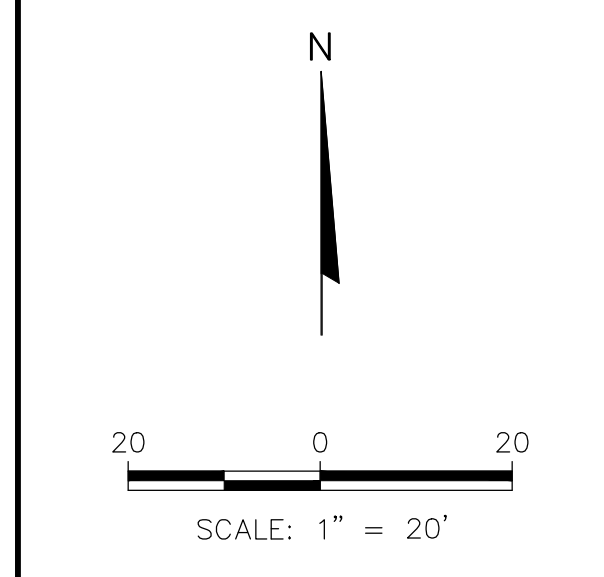
**PROCESS AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

**ARCHITECT:**  
 DORSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

**MECHANICAL, ELECTRIC, PLUMBING DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711

- LEGEND**
- 871 GROUND CONTOUR (1' INTERVAL)
  - 870 GROUND CONTOUR (5' CONTOUR)
  - BURIED ELECTRIC
  - G GAS MAIN
  - SA SANITARY SEWER
  - ST STORM SEWER
  - W WATER
  - DT DRAIN TILE
  - C COMMUNICATIONS
  - E EASEMENT
  - P PROPERTY LINE
  - EP EDGE OF PAVEMENT
  - F FENCE LINE
  - W WETLAND
  - WO WETLAND OFFSET
  - EC ENVIRONMENTAL CORRIDOR
  - V VEGETATION
  - HW HOT WATER SUPPLY/RETURN
  - M MANHOLE
  - SI STORM INLET
  - SC STORM CLEANOUT
  - C CULVERT
  - G GAS VALVE
  - W WATER VALVE
  - F FIRE HYDRANT
  - B BOLLARD
  - S SIGN
  - ET ELECTRIC TRANSFORMER
  - EL EXTERIOR LIGHT
  - SCP SURVEY CONTROL POINT/BENCH MARK
  - SB SOIL BORING



REVISION	DATE	BY	TITLE

PROJECT NO: 25214236.00  
 DRAWN: 02/16/15  
 REVISED: 04/27/15  
 DRAWN BY: AHB  
 CHECKED BY: MH  
 APPROVED BY:

**BID DOCUMENTS  
 ISSUED 04/28/15**

**DEMOLITION PLAN**

SHEET NUMBER  
**C110**

**CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY  
 7102 US HWY 12/18  
 MADISON, WISCONSIN**

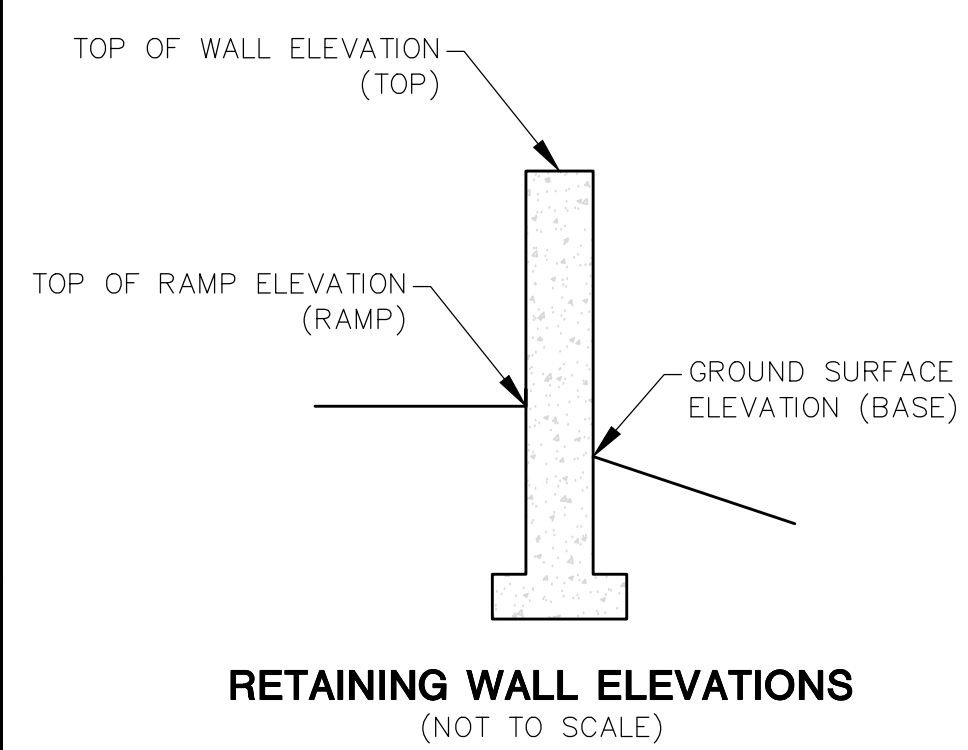
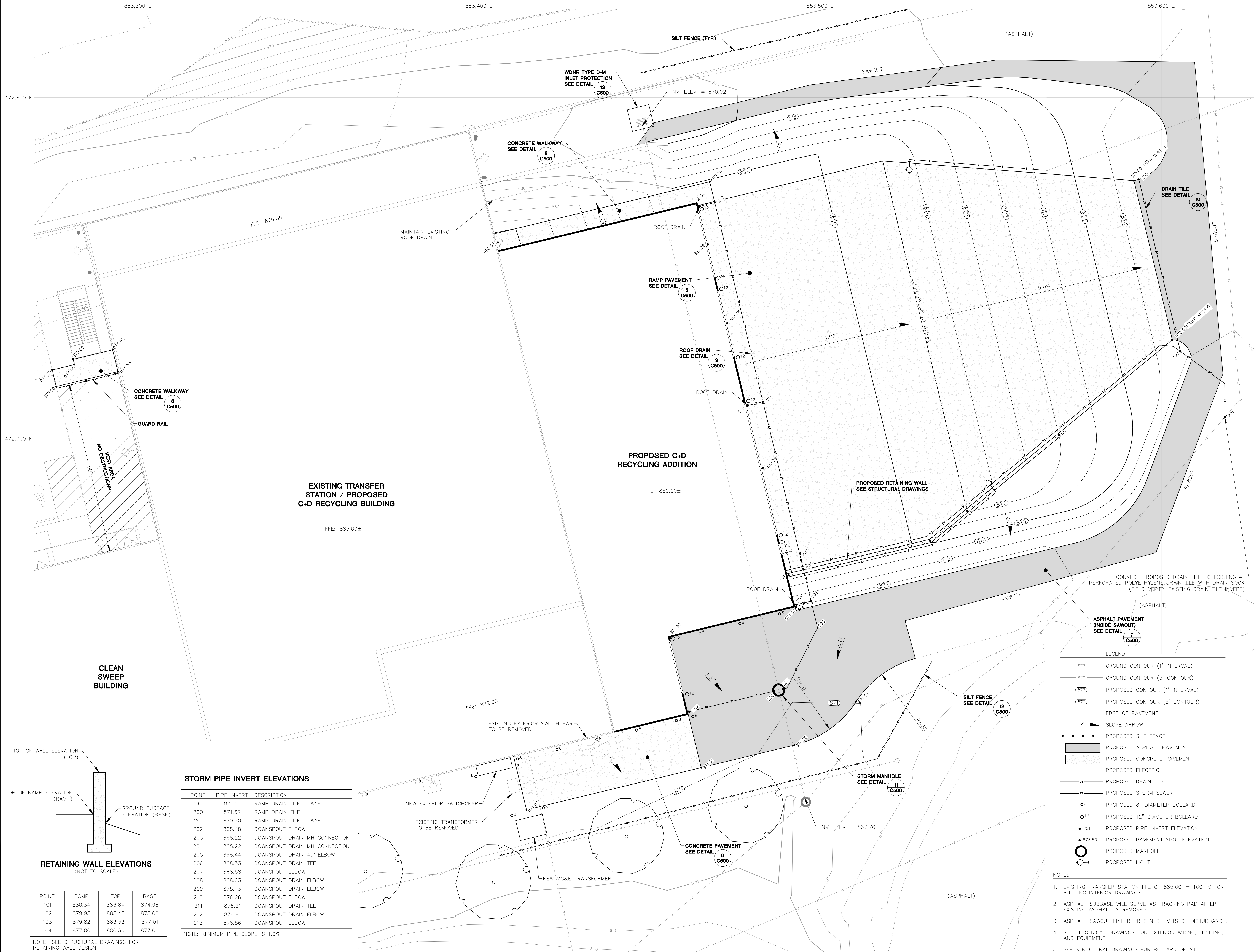
DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

**PROJECT AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

**ARCHITECT:**  
 DORSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

**MECHANICAL, ELECTRIC, PLUMBING DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711



**STORM PIPE INVERT ELEVATIONS**

POINT	PIPE INVERT	DESCRIPTION
199	871.15	RAMP DRAIN TILE - WYE
200	871.67	RAMP DRAIN TILE
201	870.70	RAMP DRAIN TILE - WYE
202	868.48	DOWNSPOUT ELBOW
203	868.22	DOWNSPOUT DRAIN MH CONNECTION
204	868.22	DOWNSPOUT DRAIN MH CONNECTION
205	868.44	DOWNSPOUT DRAIN 45° ELBOW
206	868.53	DOWNSPOUT DRAIN TEE
207	868.58	DOWNSPOUT ELBOW
208	868.63	DOWNSPOUT DRAIN ELBOW
209	875.73	DOWNSPOUT DRAIN ELBOW
210	876.26	DOWNSPOUT ELBOW
211	876.21	DOWNSPOUT DRAIN TEE
212	876.81	DOWNSPOUT DRAIN ELBOW
213	876.86	DOWNSPOUT ELBOW

NOTE: MINIMUM PIPE SLOPE IS 1.0%.

- LEGEND**
- 873 — GROUND CONTOUR (1' INTERVAL)
  - 870 — GROUND CONTOUR (5' CONTOUR)
  - 873 — PROPOSED CONTOUR (1' INTERVAL)
  - 870 — PROPOSED CONTOUR (5' CONTOUR)
  - — EDGE OF PAVEMENT
  - 5.0% — SLOPE ARROW
  - — PROPOSED SILT FENCE
  - ▨ — PROPOSED ASPHALT PAVEMENT
  - ▨ — PROPOSED CONCRETE PAVEMENT
  - — PROPOSED ELECTRIC
  - — PROPOSED DRAIN TILE
  - — PROPOSED STORM SEWER
  - 8 — PROPOSED 8" DIAMETER BOLLARD
  - 12 — PROPOSED 12" DIAMETER BOLLARD
  - 201 — PROPOSED PIPE INVERT ELEVATION
  - 873.50 — PROPOSED PAVEMENT SPOT ELEVATION
  - — PROPOSED MANHOLE
  - — PROPOSED LIGHT

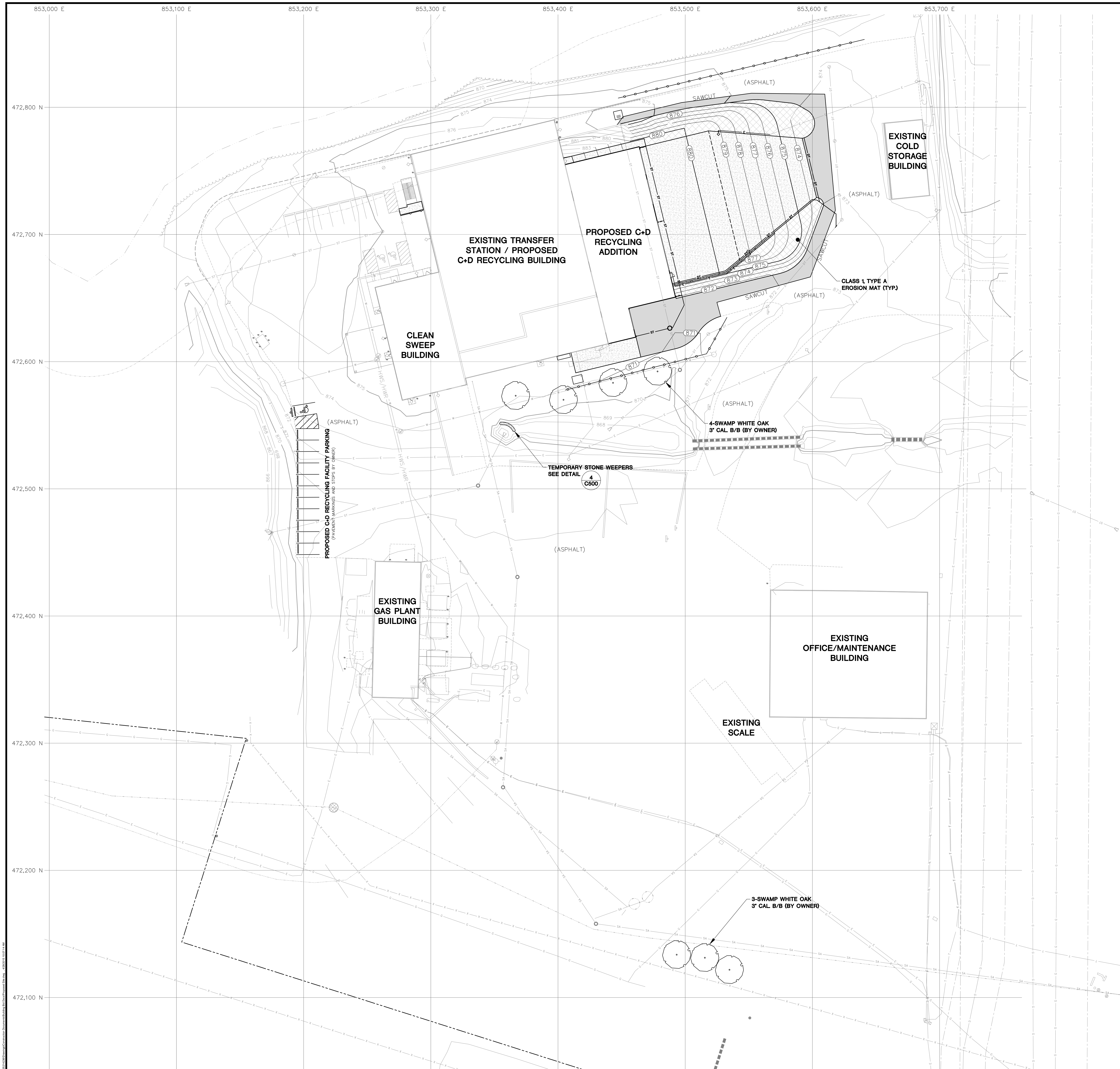
- NOTES:**
- EXISTING TRANSFER STATION FFE OF 885.00' = 100'-0" ON BUILDING INTERIOR DRAWINGS.
  - ASPHALT SUBBASE WILL SERVE AS TRACKING PAD AFTER EXISTING ASPHALT IS REMOVED.
  - ASPHALT SAWCUT LINE REPRESENTS LIMITS OF DISTURBANCE.
  - SEE ELECTRICAL DRAWINGS FOR EXTERIOR WIRING, LIGHTING, AND EQUIPMENT.
  - SEE STRUCTURAL DRAWINGS FOR BOLLARD DETAIL.

REVISION	DATE	BY	TITLE

PROJECT NO: 25014236.00  
 DRAWN: 01/22/15  
 REVISED: 04/27/15  
 DRAWN BY: AHB  
 CHECKED BY: MH  
 APPROVED BY:

**BID DOCUMENTS  
 ISSUED 04/28/15**

**SITE PLAN**  
 SHEET NUMBER  
**C300**



- EROSION CONTROL NOTES:**
1. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO GRADING OR DISTURBANCE ACTIVITIES AND SHALL BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION UNTIL THE SITE IS STABILIZED. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER.
  2. INSPECT ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE AT LEAST WEEKLY AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER RAINFALL. PERFORM NECESSARY MAINTENANCE AND REPAIRS WITHIN 24 HOURS OF THE INSPECTION.
  3. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN AND OUTLINED IN THE CONSTRUCTION SITE EROSION CONTROL PLAN ARE THE MINIMUM PRECAUTIONS THAT WILL BE REQUIRED.
  4. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY.
  5. LOCATE SOIL STOCKPILES AS DIRECTED BY OWNER.
  6. A ROW OF SILT FENCE OR SILT SOCK SHALL BE PLACED DOWNSLOPE AND AT LEAST 10 FEET AWAY FROM ANY STOCKPILE. SOIL STOCKPILES THAT ARE INACTIVE FOR MORE THAN 30 CONSECUTIVE DAYS SHALL BE STABILIZED WITH SEED AND MULCH. EROSION MAT, POLYMER, OR COVERED WITH TARPS OR SIMILAR MATERIAL TO PREVENT OR REDUCE THE DISCHARGE OF SEDIMENT ERODING FROM THE STOCKPILE.
  7. TEMPORARY STABILIZATION MEASURES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. TEMPORARY STABILIZATION MAY INCLUDE TEMPORARY SEEDING, MULCHING, OR WSDOT TYPE B SOIL STABILIZERS. TEMPORARY SEED SHALL CONSIST OF WINTER WHEAT OR ANNUAL RYEGRASS AND BE PLACED IN ACCORDANCE WITH WDR TECHNICAL STANDARD 1059.
  8. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM 4 INCHES OF SALVAGED TOPSOIL/TOPSOIL, SEED, FERTILIZER AND MULCH. ON SLOPES 3H:1V, INSTALL EROSION MAT (CLASS 1, TYPE A) IN PLACE OF MULCH. RESTORATION SHALL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. PREVIOUS AREAS SHALL BE SEEDING IN ACCORDANCE WITH THE SPECIFICATIONS AND SECTION 6.50 OF THE WSDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
  9. INSTALL AND MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WDR TECHNICAL STANDARDS ([HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST\\_STANDARDS.HTML](http://dnr.wi.gov/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML)).

- LEGEND**
- 873 — GROUND CONTOUR (1' INTERVAL)
  - 870 — GROUND CONTOUR (5' CONTOUR)
  - 873 — PROPOSED CONTOUR (1' INTERVAL)
  - 870 — PROPOSED CONTOUR (5' CONTOUR)
  - — EDGE OF PAVEMENT
  - — PROPOSED SILT FENCE
  - PROPOSED ASPHALT PAVEMENT
  - PROPOSED CONCRETE PAVEMENT
  - PROPOSED EROSION MAT

**SCS ENGINEERS**  
 2830 DAIRY DRIVE MADISON, WI 53718-6751  
 PHONE: (608) 224-2830

**CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY**  
 7102 US HWY 12/18  
 MADISON, WISCONSIN

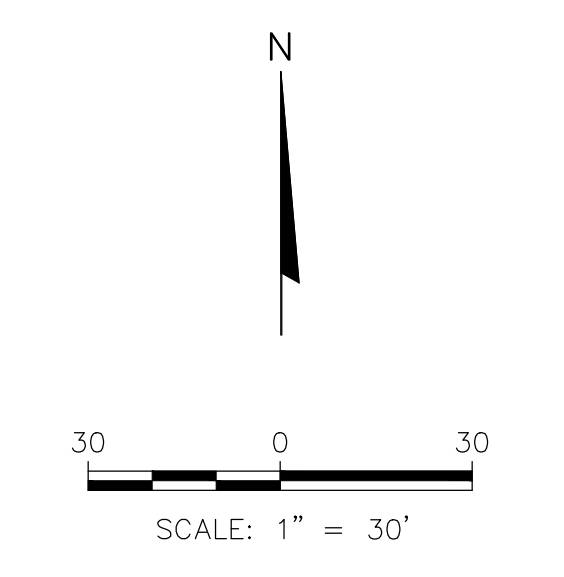
DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

**PROCESS AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

**ARCHITECT:**  
 DORSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

**MECHANICAL, ELECTRIC, PLUMBING DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711



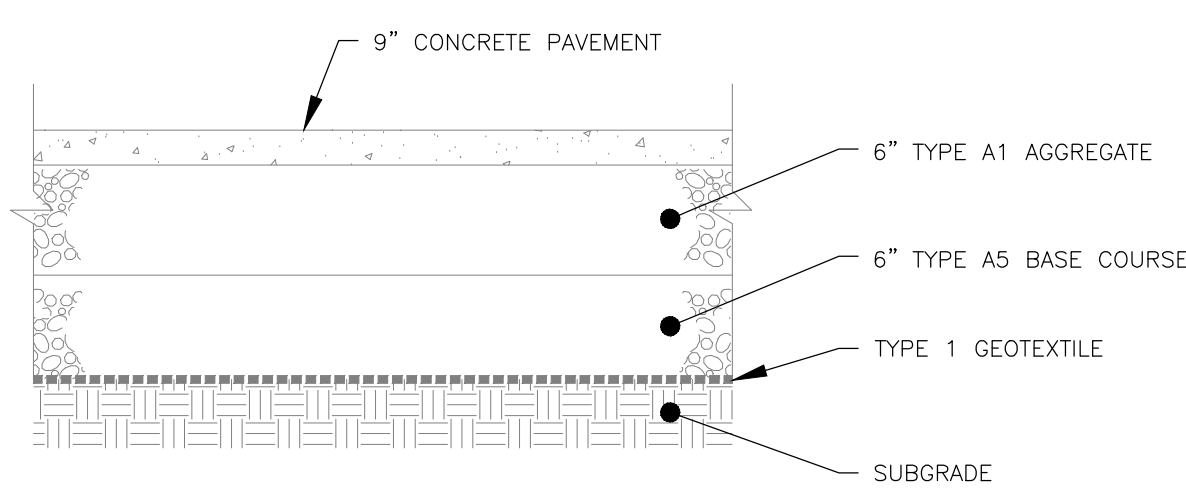
REVISION	DATE	BY	TITLE

PROJECT NO: 25214236.00  
 DRAWN: 01/23/15  
 REVISED: 04/27/15  
 DRAWN BY: AHB  
 CHECKED BY: MH  
 APPROVED BY:

**BID DOCUMENTS**  
**ISSUED 04/28/15**

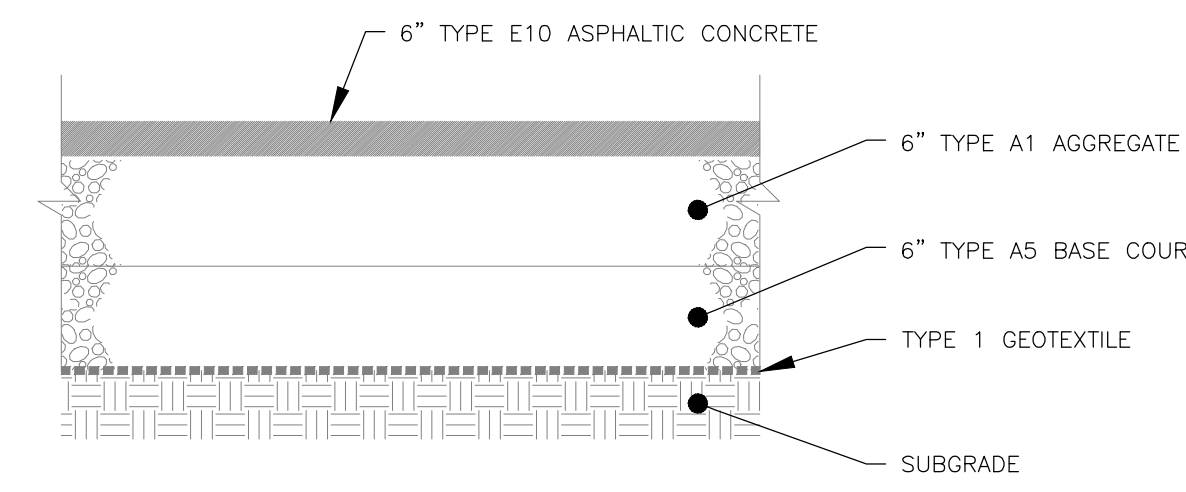
**LANDSCAPE AND RESTORATION PLAN**

SHEET NUMBER  
**C310**



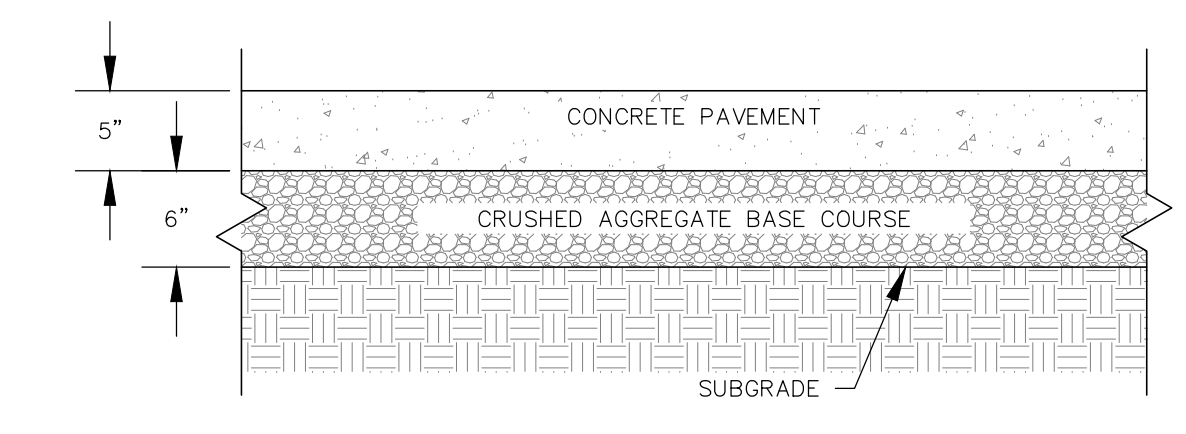
**1 EXISTING RAMP PAVEMENT**  
SCALE: NOT TO SCALE

NOTE:  
DETAIL FROM DANE COUNTY WASTE TRANSFER STATION AND HOUSEHOLD HAZARDOUS WASTE FACILITY, RODEFELD LANDFILL CONSTRUCTION SET, GRAF, 05/09/2012. CONTRACTOR TO FIELD VERIFY ACTUAL CONDITIONS.

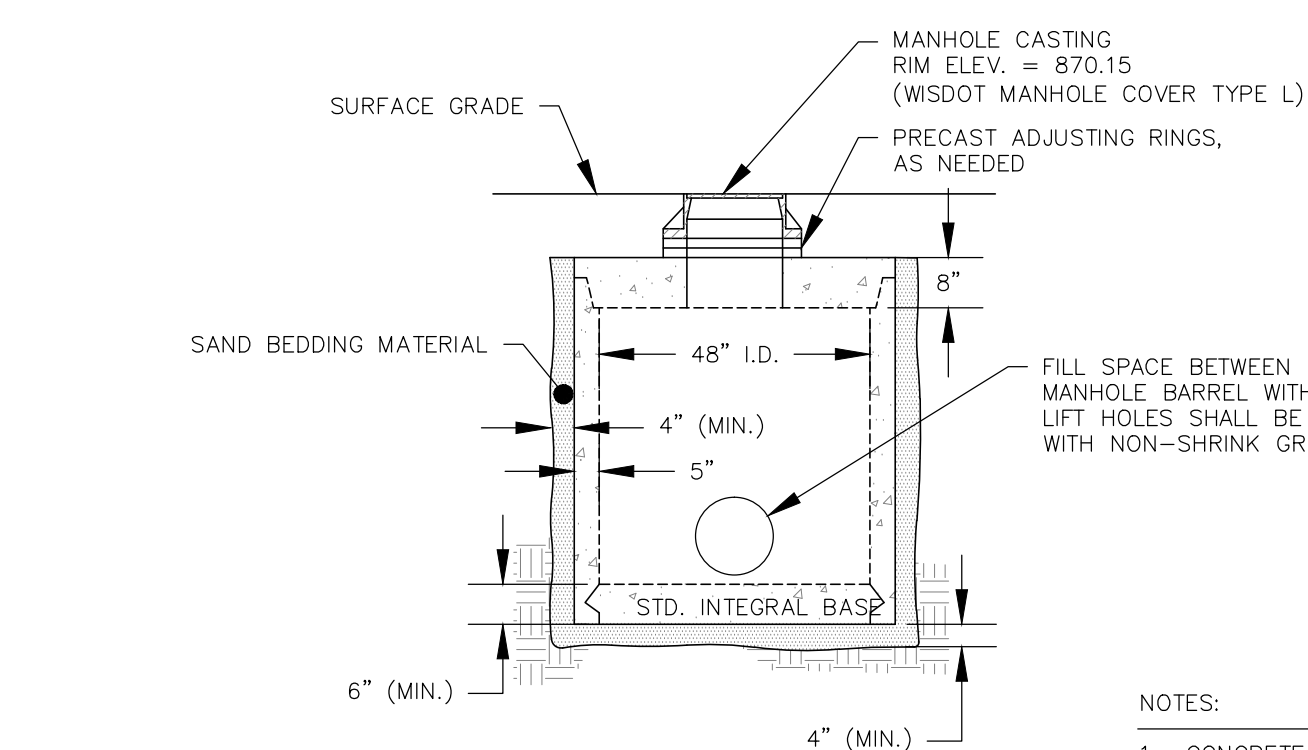
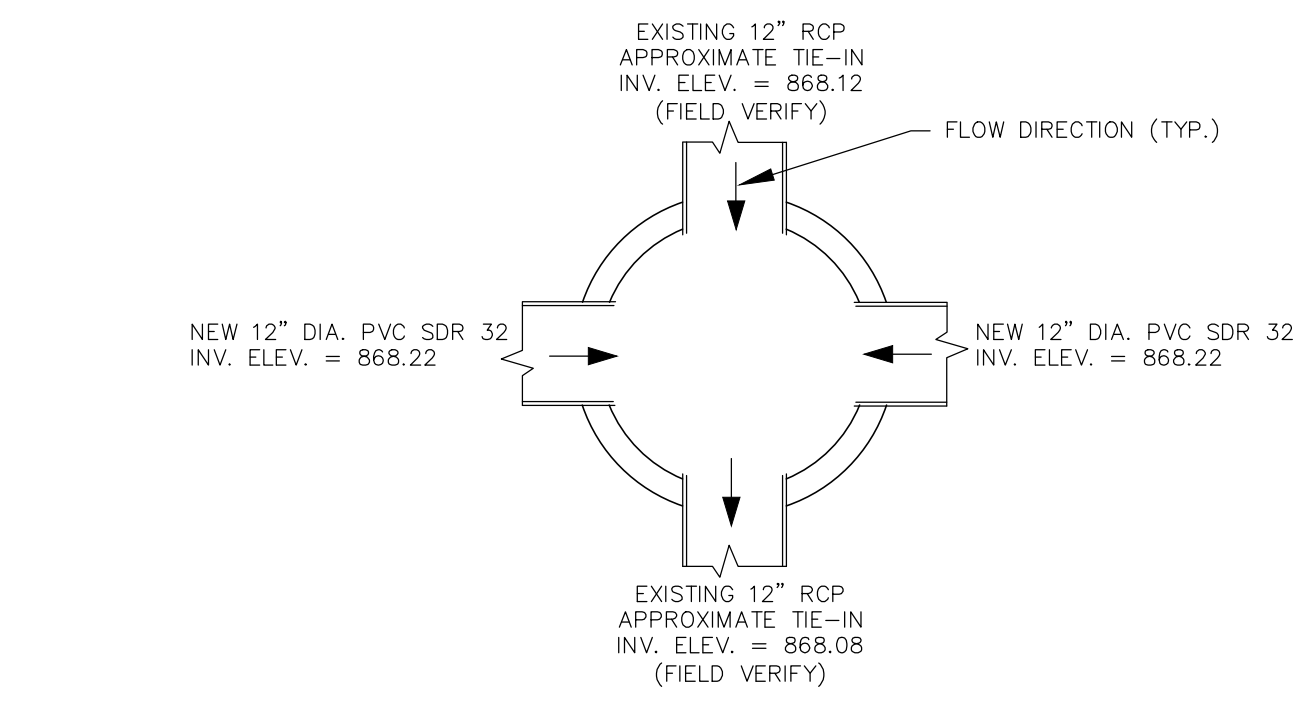


**2 EXISTING ASPHALT PAVEMENT**  
SCALE: NOT TO SCALE

NOTE:  
DETAIL FROM DANE COUNTY WASTE TRANSFER STATION AND HOUSEHOLD HAZARDOUS WASTE FACILITY, RODEFELD LANDFILL CONSTRUCTION SET, GRAF, 05/09/2012. CONTRACTOR TO FIELD VERIFY ACTUAL CONDITIONS.

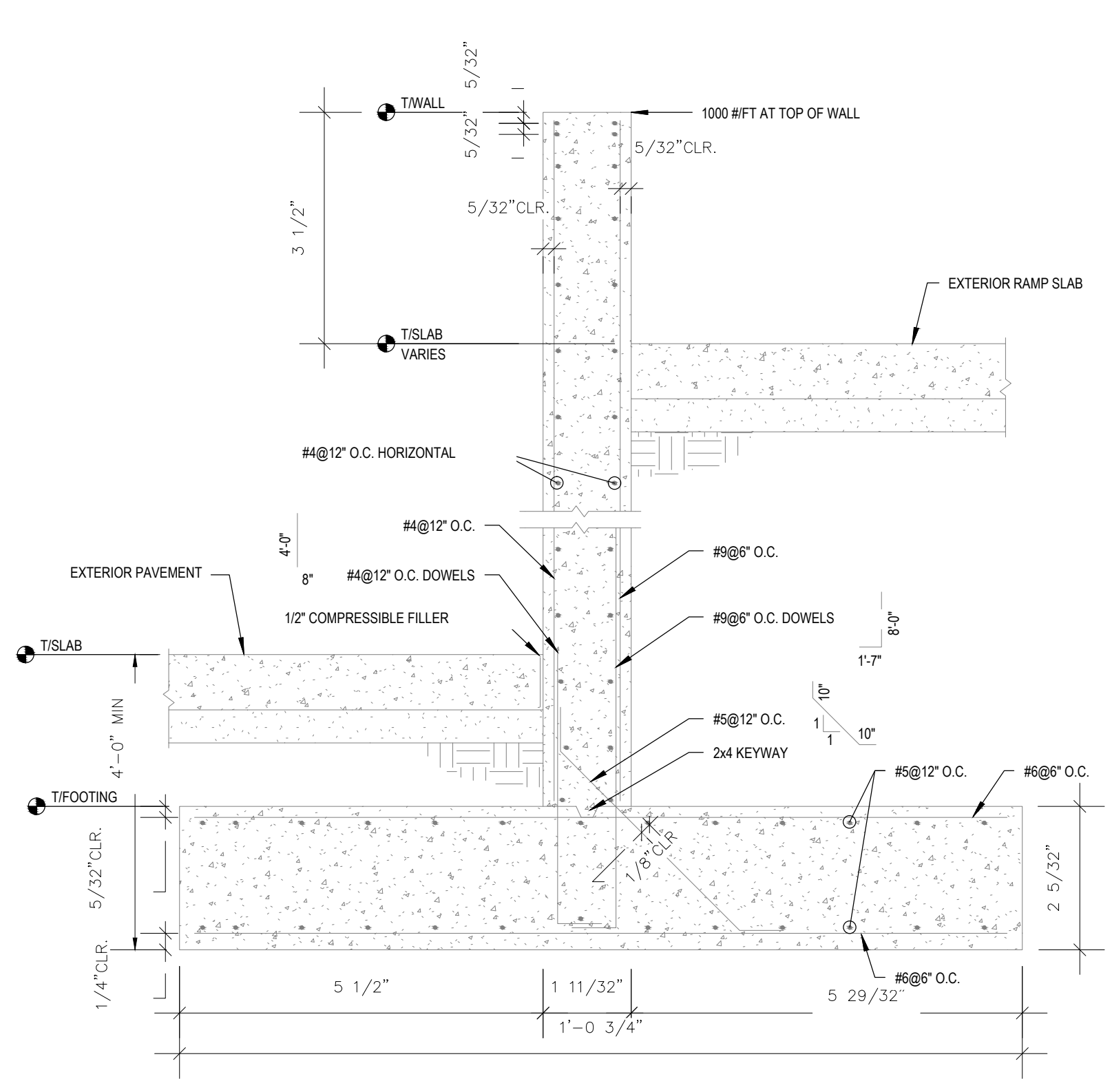


**8 CONCRETE WALKWAYS**  
SCALE: 1" = 1'



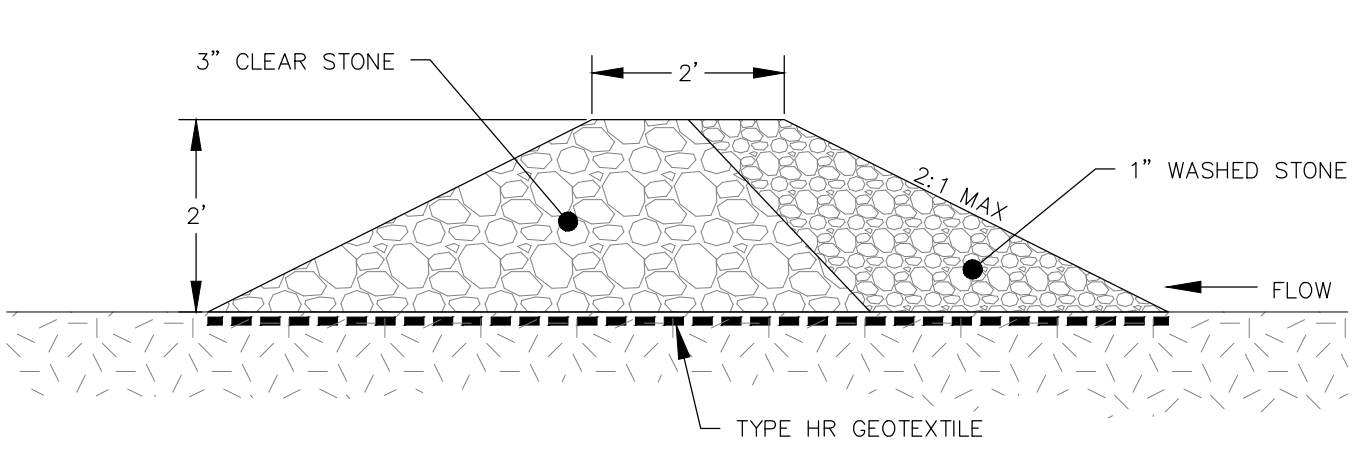
NOTES:  
1. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO ASTM C478.  
2. JOINTS SHALL BE WATER TIGHT; RUBBER GASKETS OR FLEXIBLE BUTYL RUBBER GASKETS/ROPE.

**11 STORM MANHOLE**  
SCALE: NOT TO SCALE

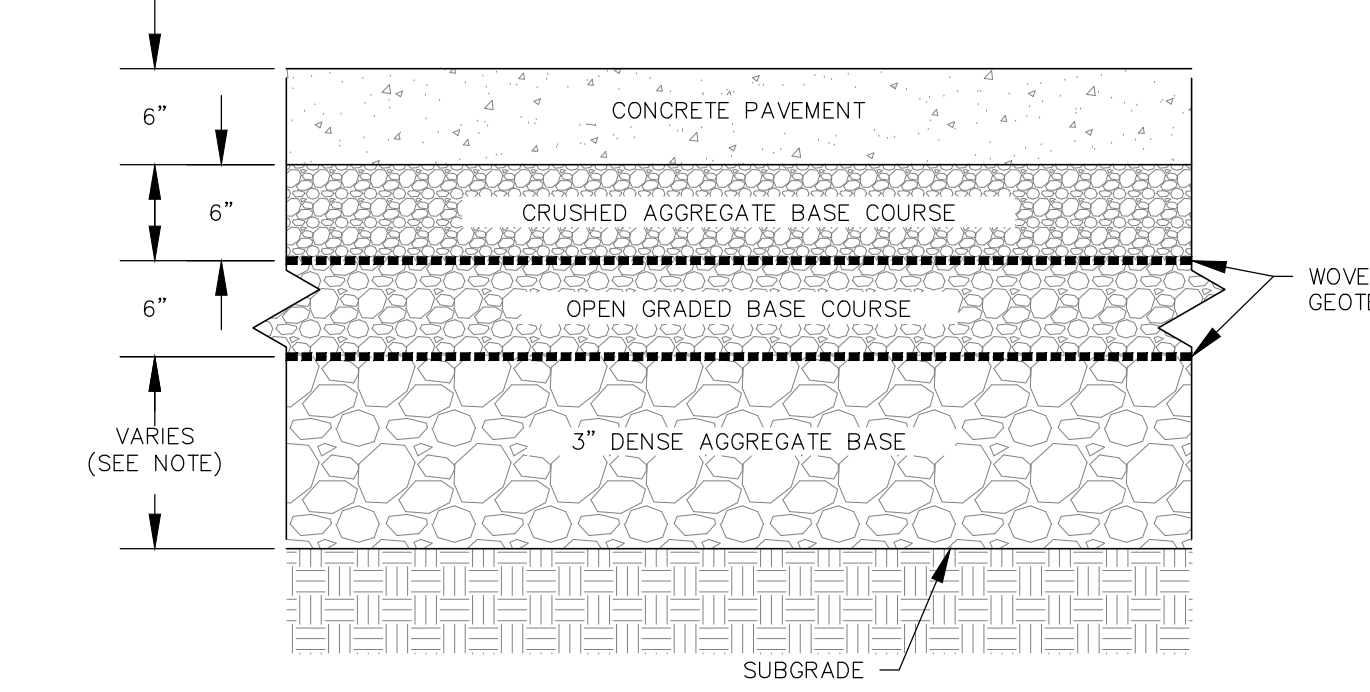


**3 EXISTING SOUTH RAMP RETAINING WALL**  
SCALE: 1/2" = 1'

NOTE:  
DETAIL FROM DANE COUNTY WASTE TRANSFER STATION AND HOUSEHOLD HAZARDOUS WASTE FACILITY, RODEFELD LANDFILL CONSTRUCTION SET, GRAF, 05/09/2012. CONTRACTOR TO FIELD VERIFY ACTUAL CONDITIONS.

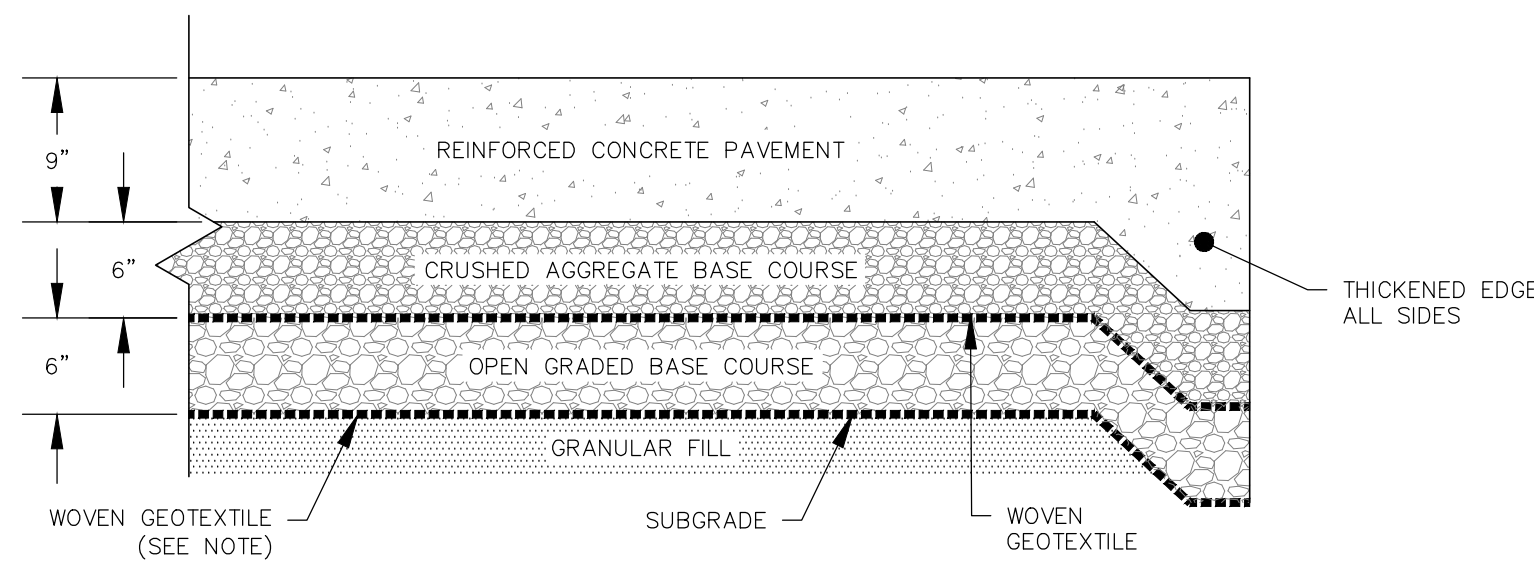


**4 TEMPORARY STONE WEEPER**  
SCALE: 1" = 2'



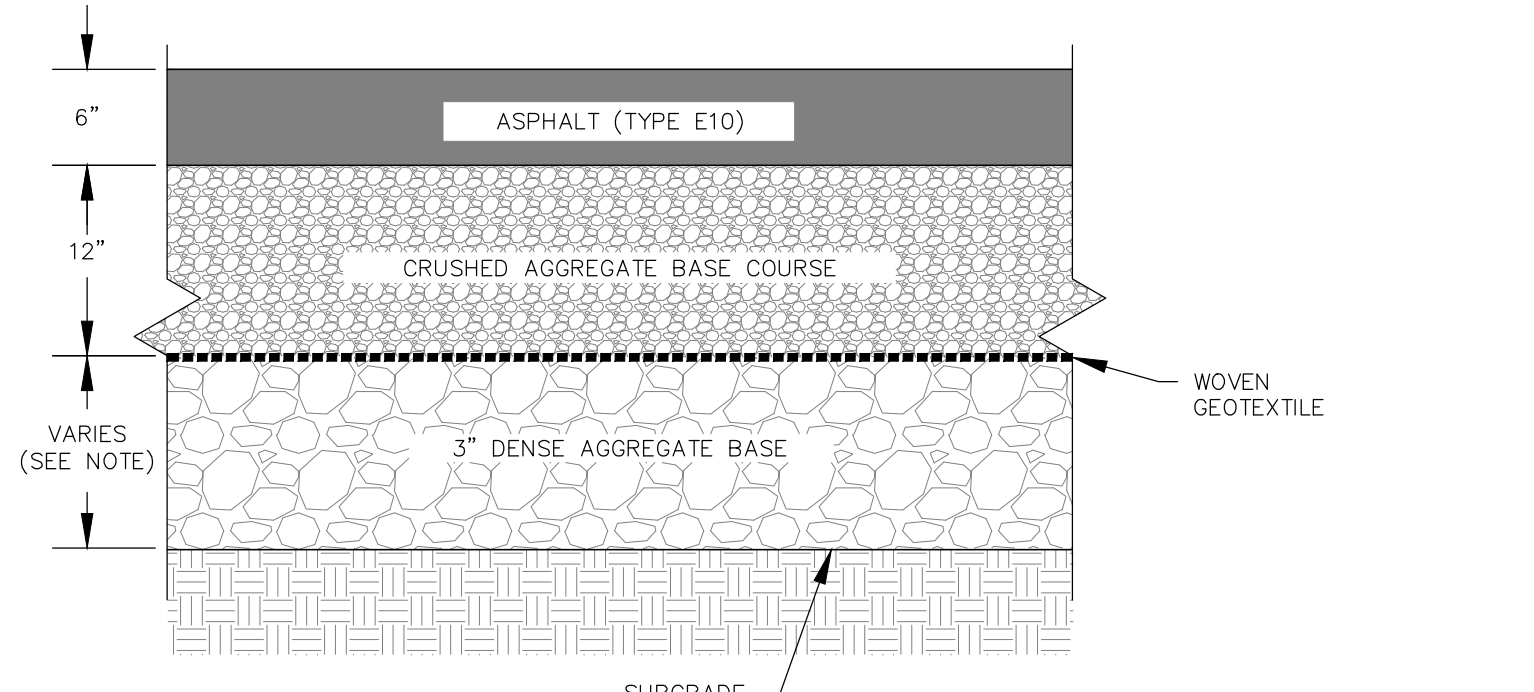
**6 CONCRETE PAVEMENT**  
SCALE: 1" = 1'

NOTE:  
3" DENSE AGGREGATE BASE AS REQUIRED TO STABILIZE SUBGRADE. TO BE MEASURED AND PAID BY UNIT PRICE.



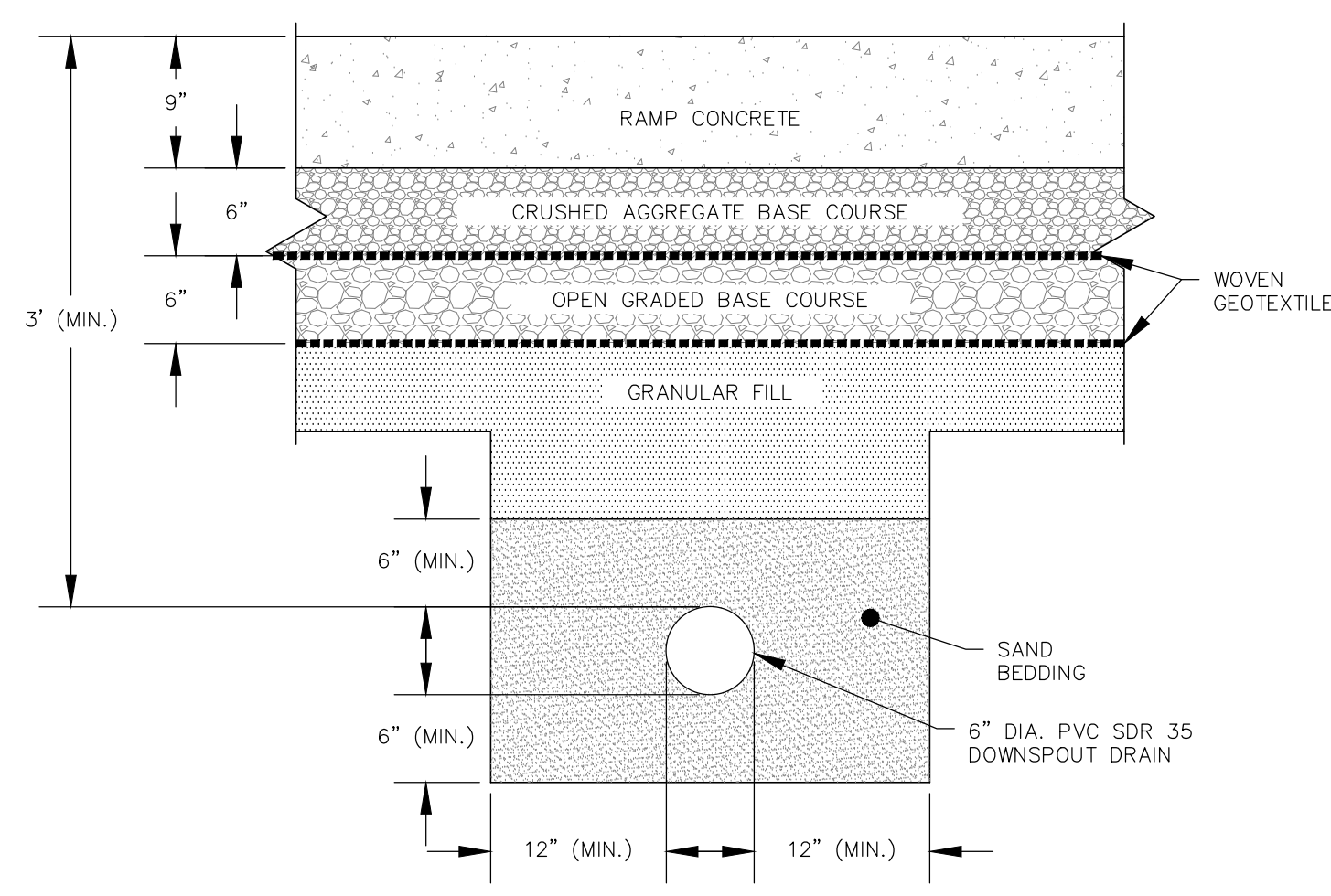
**5 RAMP CONCRETE PAVEMENT**  
SCALE: 1" = 1'

NOTE:  
INSTALL WOVEN GEOTEXTILE OVER GRANULAR FILL AS REQUIRED BY SOFT SOIL CONDITIONS.

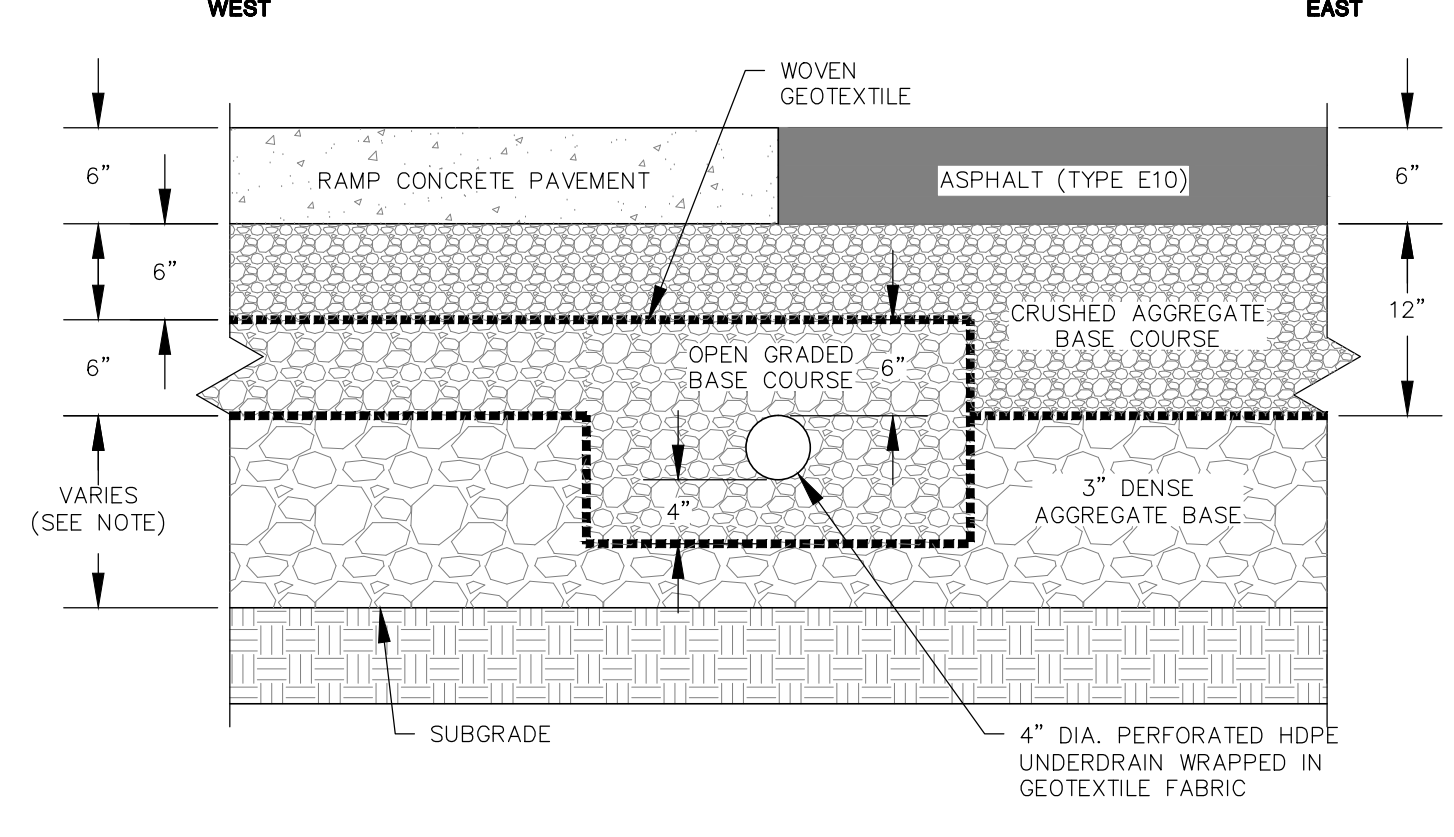


**7 ASPHALT PAVEMENT**  
SCALE: 1" = 1'

NOTE:  
3" DENSE AGGREGATE BASE AS REQUIRED TO STABILIZE SUBGRADE. TO BE MEASURED AND PAID BY UNIT PRICE.

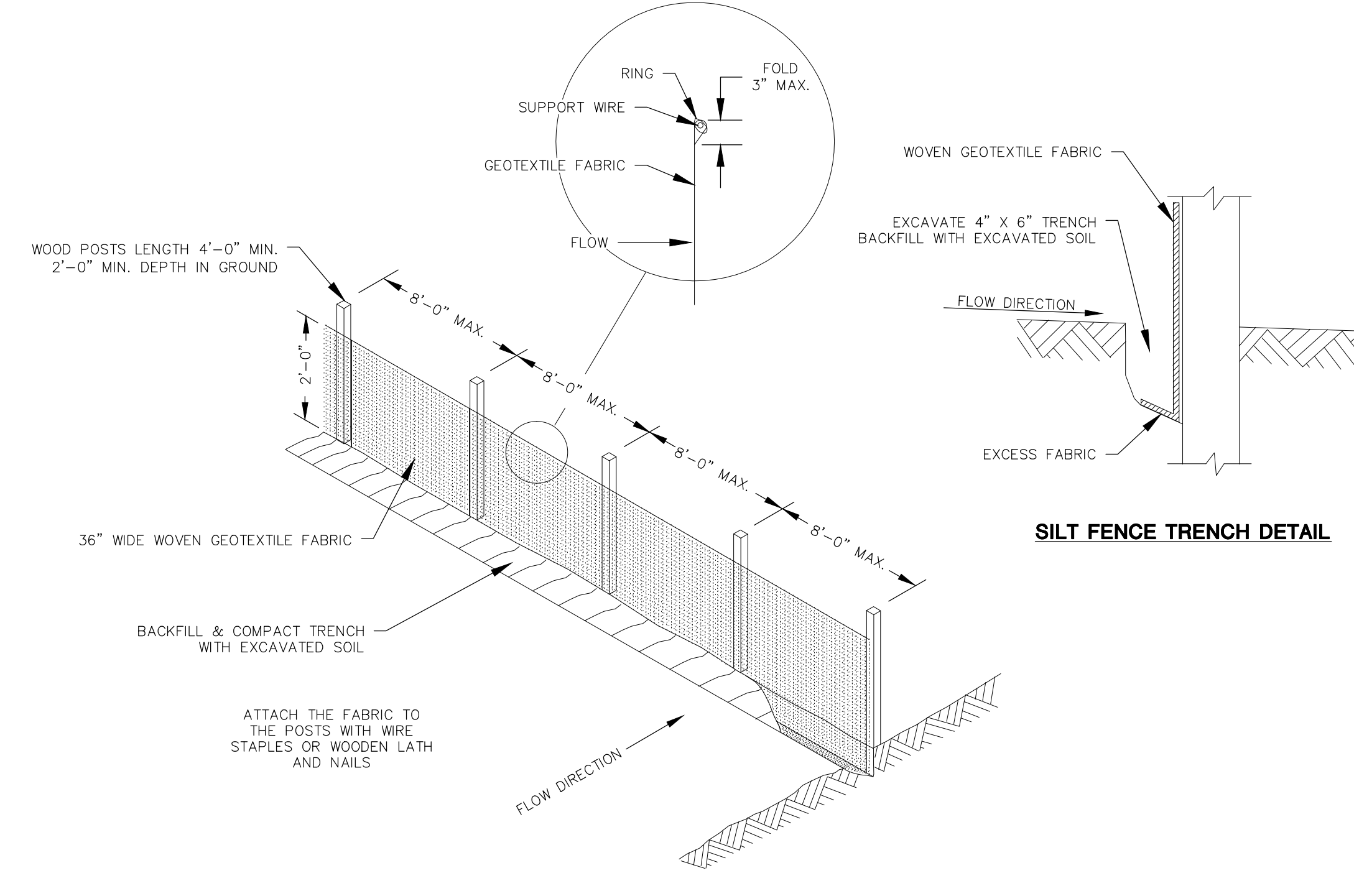


**9 ROOF DRAIN**  
SCALE: 1" = 1'

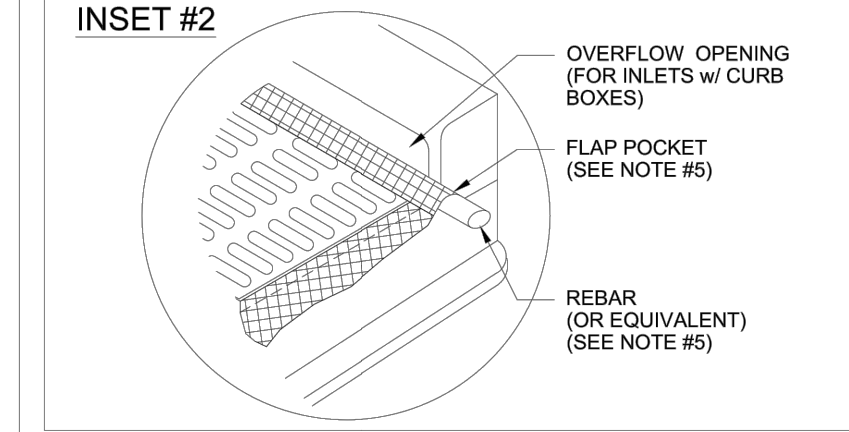
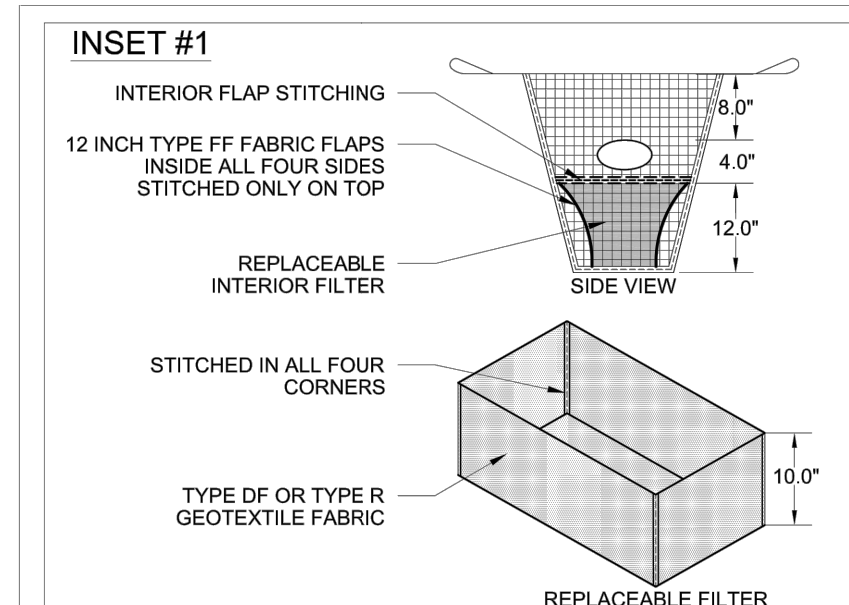


**10 DRAIN TILE**  
SCALE: NOT TO SCALE

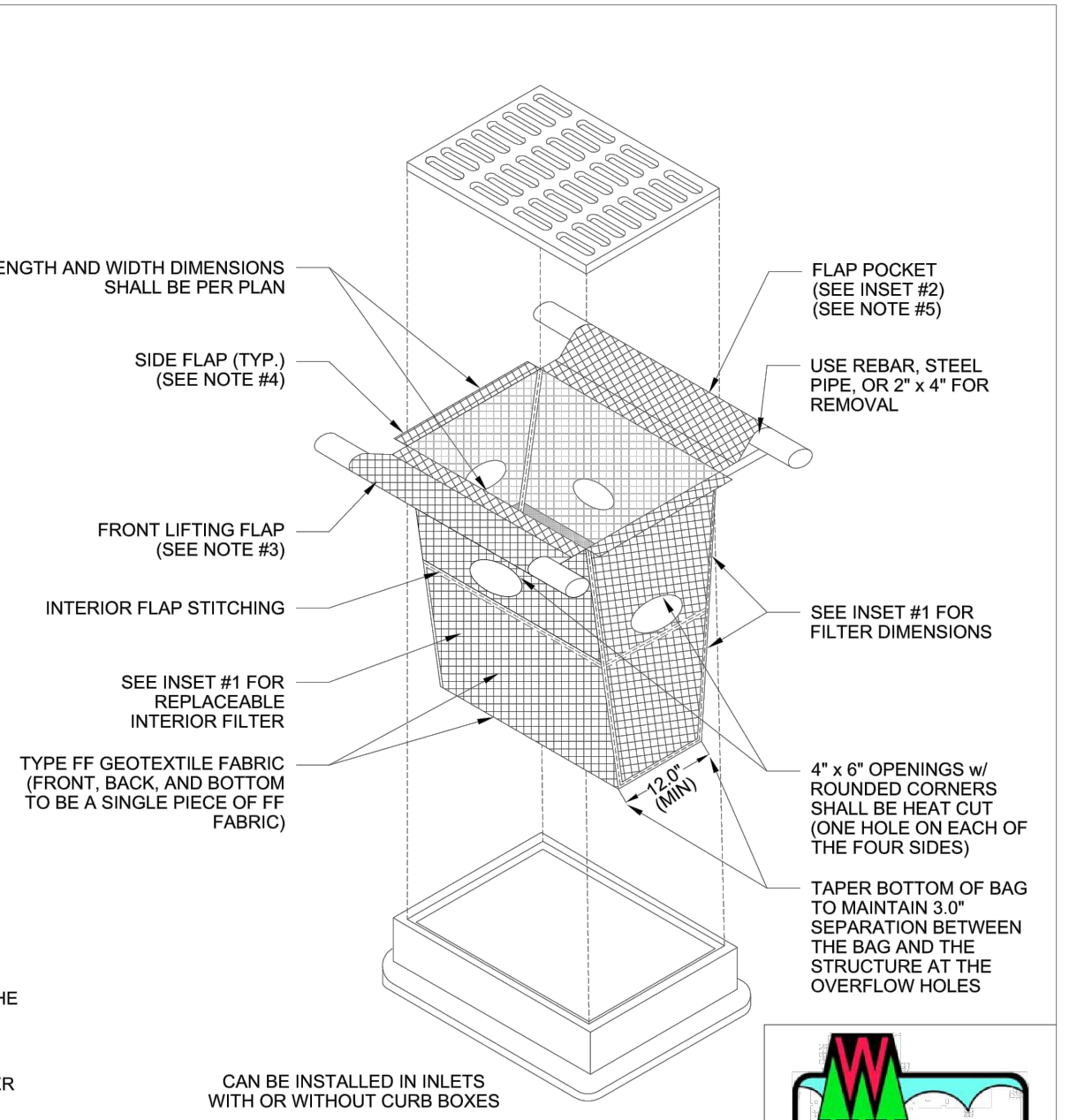
NOTE:  
3" DENSE AGGREGATE BASE AS REQUIRED TO STABILIZE SUBGRADE. SEE DETAIL 7.



**SILT FENCE TRENCH DETAIL**

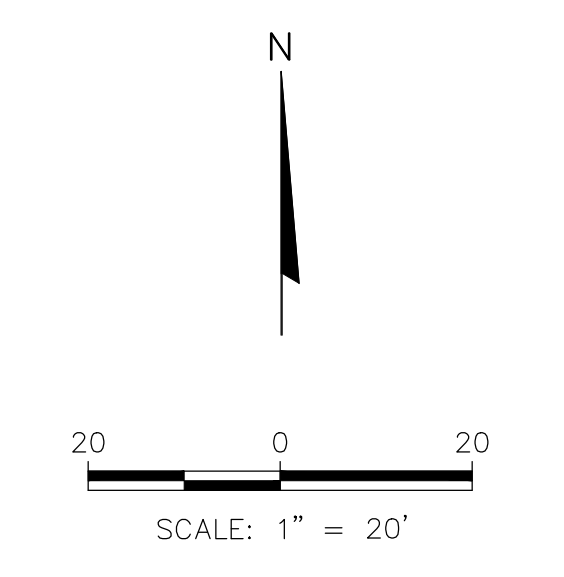


NOTES:  
1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.  
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.  
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.  
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.  
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.



MAINTENANCE NOTES:  
1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEGMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

**13 INLET PROTECTION TYPE D-M**  
SCALE: NOT TO SCALE



REVISION	DATE	BY	TITLE

PROJECT NO.: 25214236.00  
DRAWN: 01/22/15  
REVISED: 04/27/15  
DRAWN BY: AHB/BLM  
CHECKED BY: MH  
APPROVED BY:

**BID DOCUMENTS**  
**ISSUED 04/28/15**

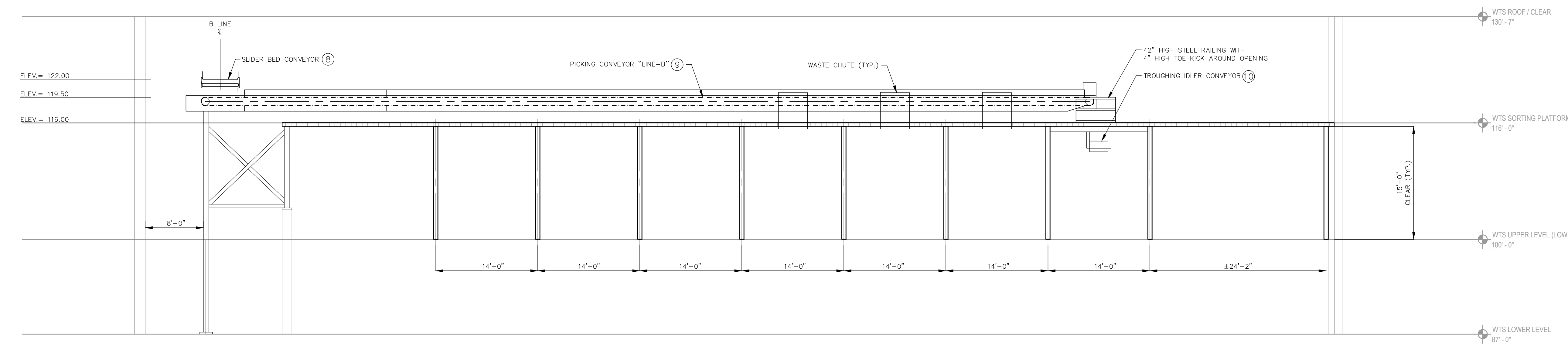
**DETAILS**

SHEET NUMBER  
**C500**



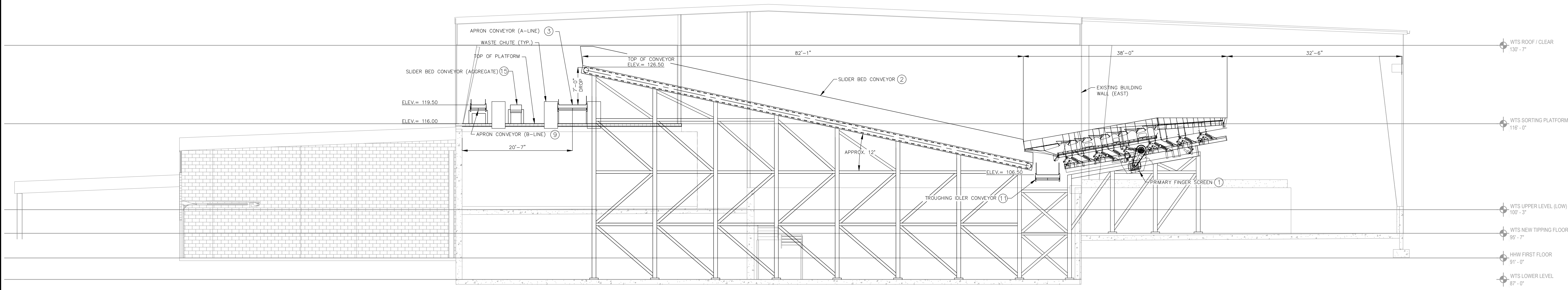
LEGEND		
NO	QTY	DESCRIPTION
1	1	PRIMARY FINGER SCREEN
2	1	SLIDER BED CONVEYOR (PRIMARY FINGER SCREEN OVERS)
3	1	APRON CONVEYOR PICKING A-LINE
4	1	FERROUS MAGNET
5	1	SLIDER BED CONVEYOR (SECONDARY FINGER SCREEN INFED)
6	1	SECONDARY FINGER SCREEN
7	1	DE-STONER / AIR KNIFE
8	1	SLIDER BED CONVEYOR (DESTONER/AIR KNIFE OUTFEED)
9	1	APRON CONVEYOR PICKING B-LINE
10	1	TROUGHING IDLER CONVEYOR (SMALL RESIDUALS BUNKER)
11	1	TROUGHING IDLER CONVEYOR (PRIMARY FINGER SCREEN UNDERS)
12	1	SLIDER BED CONVEYOR (FINES BUNKER INFED)
13	1	DUST COLLECTOR / FILTER
14	1	AGGREGATE CONVEYOR
15	1	SLIDER BED CONVEYOR (AGGREGATE ON PLATFORM)
16	1	MANUAL CRANE (SEE NOTE)
17	1	WOOD GRINDER
18	1	WOOD CONVEYOR
19	1	CARDBOARD BALER (PROVIDED AND INSTALLED BY OWNER)

NOTE: WITH EXCEPTION OF THE MANUAL CRANE (EQUIPMENT NO. 16), REMAINING EQUIPMENT TO BE PROVIDED AND INSTALLED BY OTHERS.

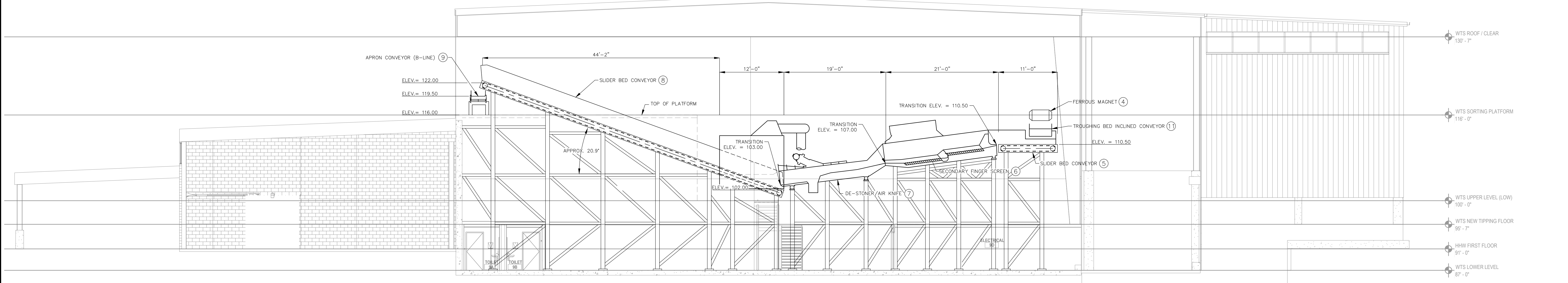


**A**  
 B-LINE PICKING CONVEYOR ELEVATION  
 Q200  
 1/8" = 1'-0"

**FOR INFORMATIONAL PURPOSES ONLY**



**B**  
 A-LINE ELEVATION  
 (BUILDING SECTION 2/A400 PROJECTED AS BACKGROUND)  
 Q200  
 1/8" = 1'-0"



**C**  
 B-LINE ELEVATION  
 (BUILDING SECTION 1/A400 PROJECTED AS BACKGROUND)  
 Q200  
 1/8" = 1'-0"

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	01/22/15
REVISED:	04/27/15
DRAWN BY:	KP
CHECKED BY:	BC/MH
APPROVED BY:	

**BID DOCUMENTS**  
**ISSUED 04/28/15**

**EQUIPMENT ELEVATIONS**  
**A-C**

SHEET NUMBER  
**Q200**



**CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY**  
 7102 US HWY 12/18  
 MADISON, WISCONSIN

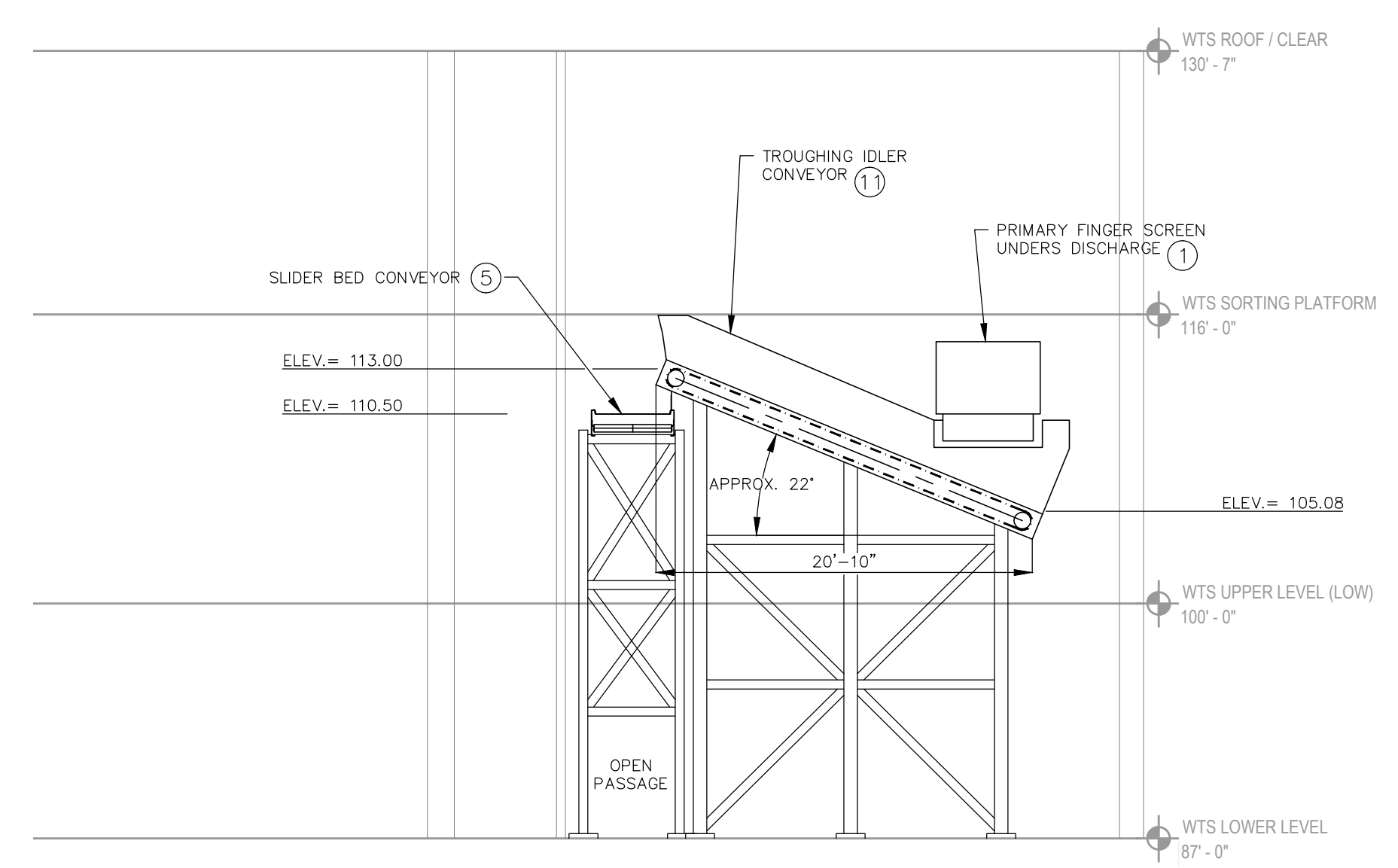
DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

**PROCESS AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

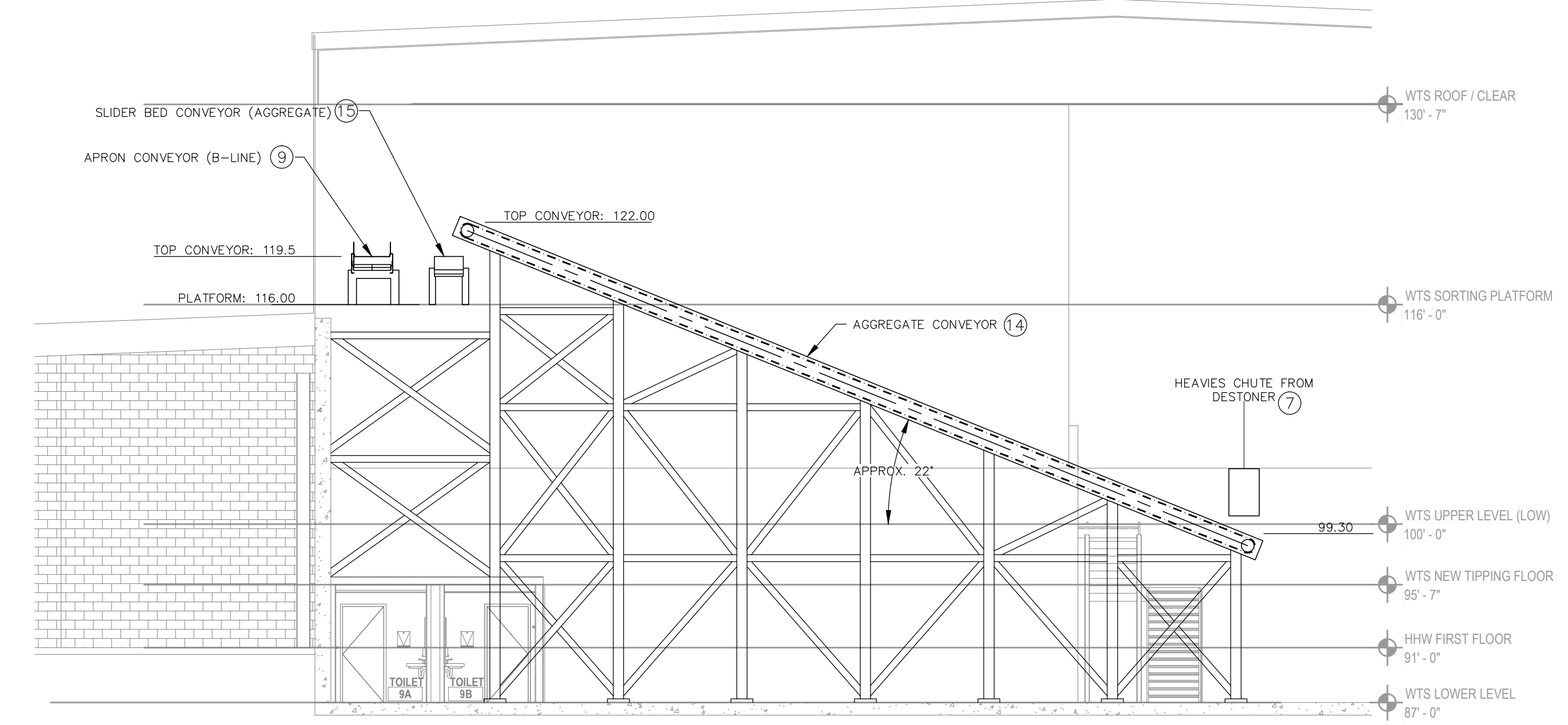
**ARCHITECT:**  
 DORSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

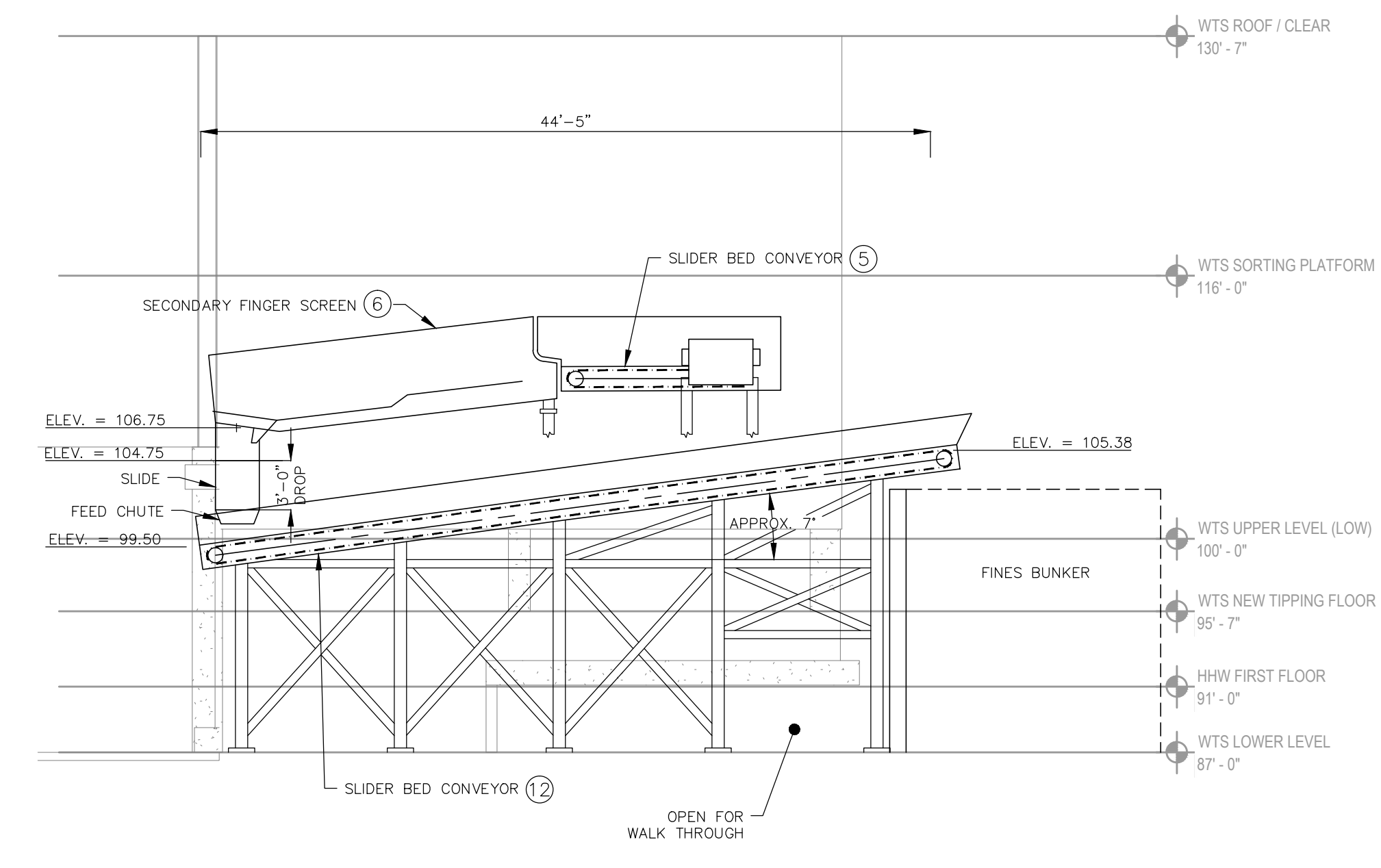
**MECHANICAL, ELECTRIC, PLUMBING DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711



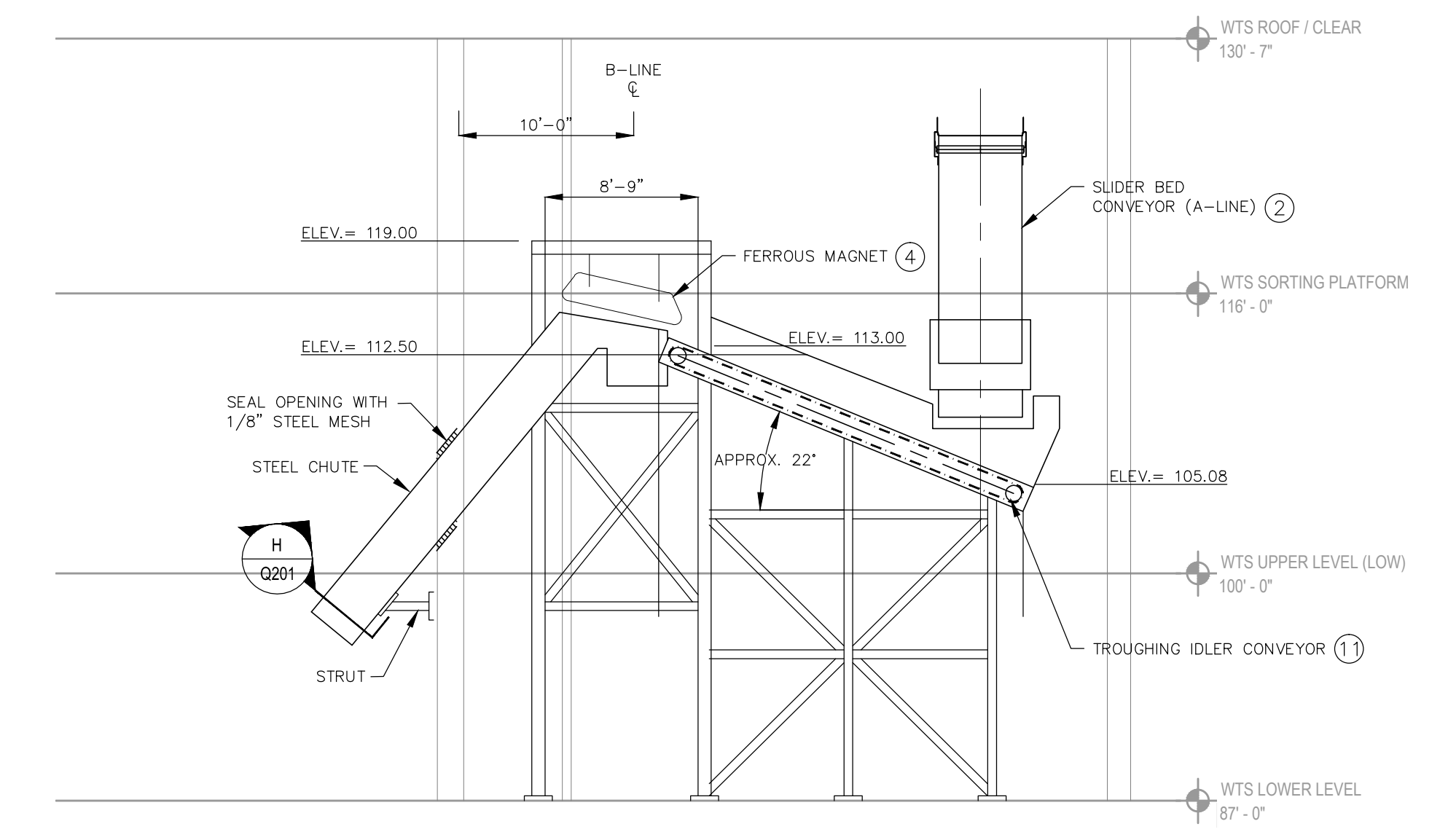
**D**  
 Q201  
 PRIMARY FINGER SCREEN UNDERS ELEVATION  
 1/8" = 1'-0"



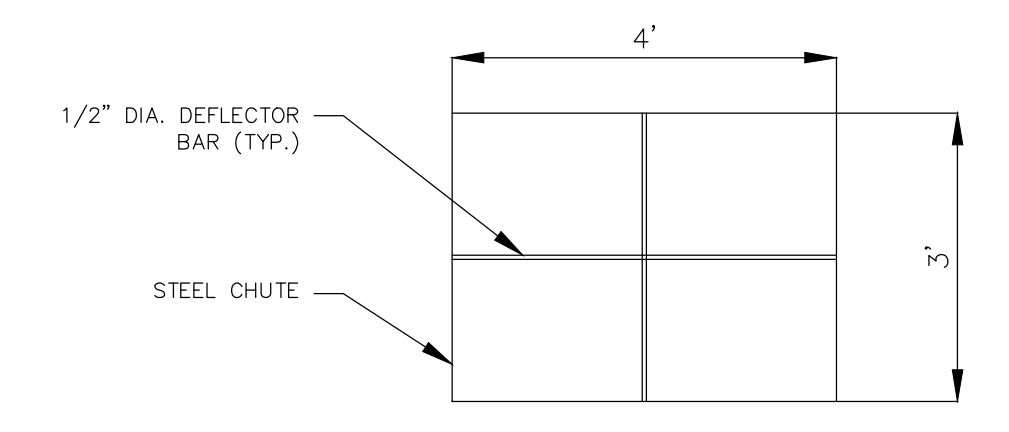
**E**  
 Q201  
 DESTONER HEAVIES CONVEYOR ELEVATION  
 (BUILDING SECTION 1/A400 PROJECTED AS BACKGROUND)  
 1/8" = 1'-0"



**F**  
 Q201  
 UNDERS CONVEYOR FROM B-LINE ELEVATION  
 (BUILDING SECTION 1/A400 PROJECTED AS BACKGROUND)  
 1/8" = 1'-0"



**G**  
 Q201  
 FERROUS MAGNET ELEVATION  
 1/8" = 1'-0"



**H**  
 Q201  
 STEEL CHUTE SECTION  
 1/2" = 1'-0"

FOR INFORMATIONAL PURPOSES ONLY

LEGEND	
NO	DESCRIPTION
1	1 PRIMARY FINGER SCREEN
2	1 SLIDER BED CONVEYOR (PRIMARY FINGER SCREEN OVERS)
3	1 APRON CONVEYOR PICKING A-LINE
4	1 FERROUS MAGNET
5	1 SLIDER BED CONVEYOR (SECONDARY FINGER SCREEN INFEEED)
6	1 SECONDARY FINGER SCREEN
7	1 DE-STONER / AIR KNIFE
8	1 SLIDER BED CONVEYOR (DESTONER/AIR KNIFE OUTFEED)
9	1 APRON CONVEYOR PICKING B-LINE
10	1 TROUGHING IDLER CONVEYOR (SMALL RESIDUALS BUNKER)
11	1 TROUGHING IDLER CONVEYOR (PRIMARY FINGER SCREEN UNDERS)
12	1 SLIDER BED CONVEYOR (FINES BUNKER INFEEED)
13	1 DUST COLLECTOR / FILTER
14	1 AGGREGATE CONVEYOR
15	1 SLIDER BED CONVEYOR (AGGREGATE ON PLATFORM)
16	1 MANUAL CRANE (SEE NOTE)
17	1 WOOD GRINDER
18	1 WOOD CONVEYOR
19	1 CARDBOARD BALER (PROVIDED AND INSTALLED BY OWNER)

NOTE: WITH EXCEPTION OF THE MANUAL CRANE (EQUIPMENT NO. 16), REMAINING EQUIPMENT TO BE PROVIDED AND INSTALLED BY OTHERS.

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	01/22/15
REVISED:	04/27/15
DRAWN BY:	KP
CHECKED BY:	BC/MH
APPROVED BY:	

**BID DOCUMENTS**  
**ISSUED 04/28/15**

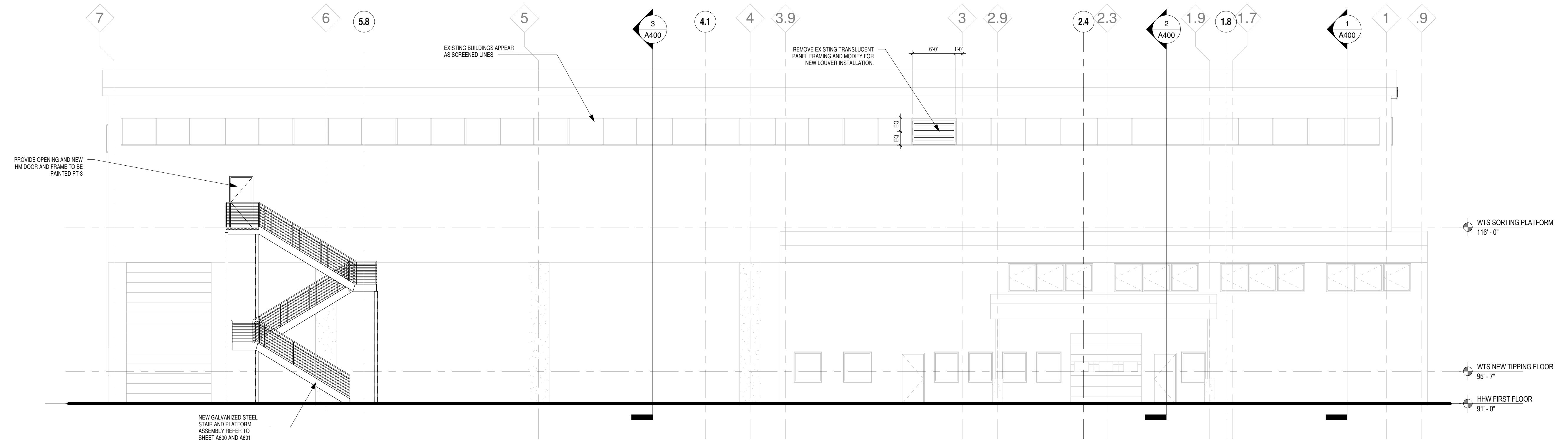
**EQUIPMENT ELEVATIONS**  
**D-H**

SHEET NUMBER  
**Q201**

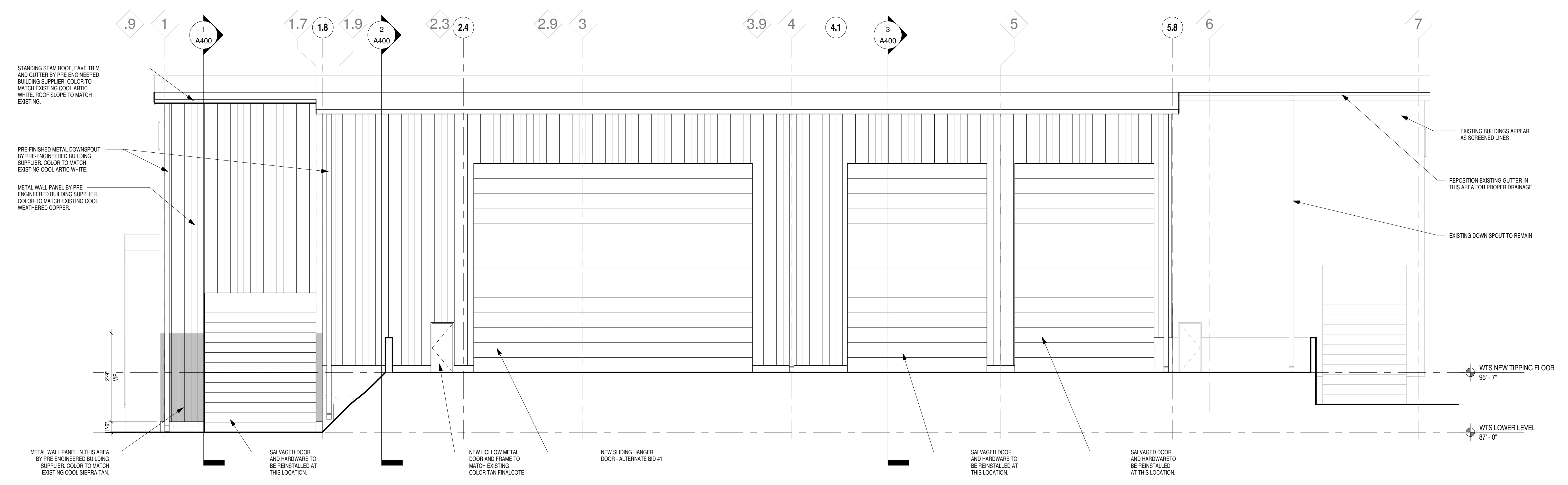
ABBREVIATIONS

AB	-ANCHOR BOLT	HS	-HEAT STRENGTHEND (GLASS)	SC	-SOLID CORE
AC	-AIR CONDITIONING	HM	-HOLLOW METAL (STEEL FRAME)	SCHED	-SCHEDULE
ACC	-ACCESSIBLE	HMRL	-HANDRAIL	TD	-TOWER DRAIN / SOAP DISPENSER
ACOUS	-ACOUSTICAL	HO	-HOLD OPEN	SD	-SLOPE DOWN
AD	-AREA DRAIN	HORIZ	-HORIZONTAL	SECT	-SECTION
ADD	-ADDITIONAL	HPT	-HIGH POINT	STS	-SELF TAP METAL SCREW
ADJ	-ADJUSTABLE	HRC	-HOSE REEL CABINET	SH	-SHOWER
AFF	-ABOVE FINISH FLOOR	HR	-HOUR	SHT	-SHIELD
AGGR	-AGGREGATE	HT	-HEIGHT	SM	-SIMILAR
ALM	-ALTERNATE	HVAC	-HEATING, VENTILATION, AIR CONDITIONING	SL	-SLOPE SURFACE
ALUM	-ALUMINUM	HW	-HOT WATER	SM	-SHEET METAL OR SQUARE METER (METRIC DOCS)
ANCH	-ANCHOR	HYDR	-HYDRAULIC	SNL	-SANITARY MAPKN DISPENSER
ANNO	-ANNODED	ID	-INSIDE DIAMETER	SP	-STANDARD
AP	-ACCESS PANEL	IN	-INCH	SPEC	-SPECIFICATION
APC	-ACOUSTICAL PANEL CEILING	INC	-INCH	SPR	-SPRINKLER
APRO	-APPROX	INCAND	-INCANDESCENT	SPR	-SPEAKER
APPROX	-APPROXIMATE	INCL	-INCLUDED / INCLUDING	SS	-STRUCTURE SLAB ELEVATION
ARCH	-ARCHITECTURAL	INFO	-INFORMATION	SSS	-STAINLESS STEEL
ATC	-ACOUSTICAL TILE CEILING	INSLA	-INSULATION	SSK	-SERVICE SINK
AUTO	-AUTOMATIC	INT	-INTERIOR	ST	-STEEL
AV	-AUDIO VISUAL	INTERM	-INTERMEDIATE	ST	-STEEL JOIST
		INV	-INVERT	STOR	-STORAGE
BEJ	-BRICK EXPANSION JOINT	IPS	-INTERNATIONAL PIPE STANDARD	STR	-STRONG
BD	-BOARD	IRMA	-INVERTED ROOF MEMBRANE ASSEMBLY	STRUC	-STRUCTURAL
BLDG	-BUILDING	JAN	-JANITOR	SUBCAT	-SUBCATEGORY
BLK	-BLOCK	JC	-JANITOR'S CLOSET	SUP	-SUPPLY
BM	-BEAM	JST	-JOIST	SYM	-SYMMETRICAL
BOT	-BOTTOM	JT	-JOINT	SYT	-SYSTEM
BRK	-BRICK			T&G	-TONGUE AND GROOVE
BSMT	-BASEMENT	K	-KIP (1000 LBF)	T	-TREAD THERMOSTAT
BT	-BOLT	KPL	-KICK PLATE	TB	-TOWER B&I
BUR	-BUILT UP ROOFING	KO	-KICK OUT	TC	-TOP OF CURB
		KIT	-KITCHEN	TCNC	-TOP OF CONCRETE
CAB	-CABINET	KO	-KNOCKOUT	TD	-TOWEL DISPENSER
CAT	-CATEGORY	L	-LONG OR LITER (METRIC DOCS)	TEL	-TELEPHONE OR TELECOM
CB	-CATCH BASIN	LAB	-LABORATORY	TEMP	-TEMPERATURE
CB	-CHALK BOARD	LAB	-LABORATORY	TER	-TERRAZZO
CB	-CHALK BOARD	L	-LONG OR LITER (METRIC DOCS)	TR	-TRUSS
CBU	-CEMENTITIOUS BACKER UNIT	LAB	-LABORATORY	TRU	-THROUGH
CEM	-CEMENT	L	-LONG OR LITER (METRIC DOCS)	TRU	-THROUGH
CER	-CERAMIC	LAM	-LAMINATE / LAMINATION	TRU	-THROUGH
CG	-CORNER GUARD	LAV	-LAVATORY	TRU	-THROUGH
CH	-CHILLER	LB	-LOADING	TRU	-THROUGH
CHAN	-CHANNEL	LF	-LINEAR FOOT	TRU	-THROUGH
CHW	-CLOTHES HOOK MOUNTED ON WALL	LFR	-LOCKER	TRU	-THROUGH
CI	-CAST IRON	LH	-LONG LEG HORIZONTAL	TRU	-THROUGH
CIP	-CAST-IN-PLACE	LLV	-LONG LEG VERTICAL	TRU	-THROUGH
CJ	-CONTROL JOINT / CONSTRUCTION JOINT	LN	-LINE	TRU	-THROUGH
CL	-CENTER LINE	L	-LONG	TRU	-THROUGH
CLG	-CEILING	LT	-LOW POINT	TRU	-THROUGH
CLR	-CLEAR	LPT	-LOW POINT	TRU	-THROUGH
CMU	-CONCRETE MASONRY UNIT	M	-METER, MIRROR	UNFIN	-UNFINISHED
CONTR	-CONTRACTOR	MACH	-MACHINE	UR	-UNLESS OTHERWISE NOTED
CO	-CLEANOUT	MAINT	-MAINTENANCE	VENT	-VENTILATION AND AIR CONDITIONING
COL	-COLUMN	MAS	-MASONRY	VCT	-VINYL COMPOSITION TILE
COMPART	-COMPARTMENT	MATL	-MATERIAL	VERT	-VERTICAL
CONC	-CONCRETE	MAX	-MAXIMUM	VERT	-VERTICAL
COND	-CONDITION	MB	-MACHINE BOLT	VF	-VERIFY IN FIELD
CONN	-CONNECTION	MBL	-MARBLE	VF	-VERIFY IN FIELD
CONT	-CONTINUOUS	MD	-MEDIUM DENSITY FIBERBOARD	VF	-VERIFY IN FIELD
CONTR	-CONTRACTOR	MECH	-MECHANICAL	VF	-VERIFY IN FIELD
COORD	-COORDINATE	MEP	-MECHANICAL, ELECTRICAL, PLUMBING	VF	-VERIFY IN FIELD
CORR	-CORROSION	MDO	-MEDIUM DENSITY OVERLAY PLYWOOD	VF	-VERIFY IN FIELD
CT	-CERAMIC TILE / COOLING TOWER	MECH	-MECHANICAL	VF	-VERIFY IN FIELD
CTR	-CENTER	MET	-METAL	VF	-VERIFY IN FIELD
CTSK	-COUNTER SINK	MEZZ	-MEZZANINE	VF	-VERIFY IN FIELD
CW	-COLD WATER (PIPING)	MFR	-MANUFACTURER	VF	-VERIFY IN FIELD
		MH	-MANHOLE	VF	-VERIFY IN FIELD
D	-DEEP	MN	-MINIMUM	VF	-VERIFY IN FIELD
DA	-DISABLED	MISC	-MISCELLANEOUS	VF	-VERIFY IN FIELD
DBL	-DOUBLE	MM	-MILLIMETER	VF	-VERIFY IN FIELD
DEG	-DEGREE	MO	-MASONRY OPENING	VF	-VERIFY IN FIELD
DEMO	-DEMOLITION	MS	-MACHINE SCREW	VF	-VERIFY IN FIELD
DEPT	-DEPARTMENT	MTD	-MOUNTED	VF	-VERIFY IN FIELD
DET	-DETENTION	MTL	-METAL	VF	-VERIFY IN FIELD
DF	-DRINKING FOUNTAIN	MULL	-MULLION	VF	-VERIFY IN FIELD
DIA	-DIAMETER	N	-NORTH	VF	-VERIFY IN FIELD
DIFF	-DIFFUSER	NA	-NOT APPLICABLE	VF	-VERIFY IN FIELD
DIM	-DIMENSION	NC	-NOISE CRITERIA	VF	-VERIFY IN FIELD
DIS	-DISABLED	NIC	-NOT IN CONTRACT	VF	-VERIFY IN FIELD
DISP	-DISPENSER	NO	-NUMBER	VF	-VERIFY IN FIELD
DMPF	-DAMP PROOFING	NOM	-NOMINAL	VF	-VERIFY IN FIELD
DNT	-DEMOUNTABLE	NTS	-NOT TO SCALE	VF	-VERIFY IN FIELD
DN	-DOWN	OA	-OUTSIDE AIR	VF	-VERIFY IN FIELD
DO	-DOOR OPENING	OC	-ON CENTER	VF	-VERIFY IN FIELD
DP	-DIMENSION POINT	OCW	-ON CENTER EACH WAY	VF	-VERIFY IN FIELD
DPTN	-DEMOUNTABLE PARTITION	OD	-OUTSIDE DIAMETER/DIMENSION	VF	-VERIFY IN FIELD
DR	-DOOR	OFI	-OWNER FURNISHED, CONTR INSTALLED	VF	-VERIFY IN FIELD
DRN	-DRAIN	OFI	-OWNER FURNISHED, OWNER INSTALLED	VF	-VERIFY IN FIELD
DS	-DOWNSPOUT	OFF	-OFFICE	VF	-VERIFY IN FIELD
DW	-DISHWASHER	OH	-OVER HEAD	VF	-VERIFY IN FIELD
DRAW	-DRAWING	OPH	-OPPOSITE HAND	VF	-VERIFY IN FIELD
DWR	-DRAWER	OPNG	-OPENING	VF	-VERIFY IN FIELD
		OPP	-OPPOSITE	VF	-VERIFY IN FIELD
(E)	-EXISTING	OPPH	-OPPOSITE HAND	VF	-VERIFY IN FIELD
E	-EAST	ORD	-OVERFLOW ROOF DRAIN	VF	-VERIFY IN FIELD
EA	-EACH	OUTS	-OUTSIDE	VF	-VERIFY IN FIELD
EB	-EXPANSION BOLT	OVHD	-OVERHEAD	VF	-VERIFY IN FIELD
ED	-ELECTRIC HAND DRYER	P	-PAINT	VF	-VERIFY IN FIELD
EFS	-EXTERIOR INSULATION AND FINISH SYSTEM	PAV	-PAVING	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PARTN	-PARTITION	VF	-VERIFY IN FIELD
EL	-ELEVATION	PATD	-PAPER TOWEL DISPENSER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PBD	-PARTICLEBOARD	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PC	-PRECAST CONCRETE	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PCF	-POWER DRIVEN FASTENER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERF	-PERFORATED	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEV	-ELEVATOR	PERM	-PERMETER	VF	-VERIFY IN FIELD
EMERG	-EMERGENCY	PERM	-PERMETER	VF	-VERIFY IN FIELD
ENCL	-ENCLOSURE	PERM	-PERMETER	VF	-VERIFY IN FIELD
EJ	-EXPANSION JOINT	PERM	-PERMETER	VF	-VERIFY IN FIELD
EL	-ELEVATION	PERM	-PERMETER	VF	-VERIFY IN FIELD
ELEC	-ELECTRICAL	PERM	-		

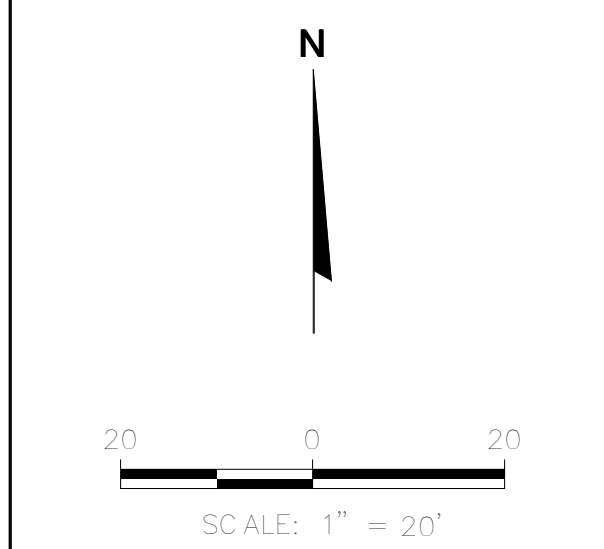




2 WEST ELEVATION  
1/8" = 1'-0"



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



REVISION	DATE	BY	TITLE

PROJECT NO: 14016-00  
DRAWN: 02.16.15  
REVISED:  
DRAWN BY:  
CHECKED BY:  
APPROVED BY:

BID DOCUMENTS  
ISSUED 04/28/15

EXTERIOR ELEVATIONS

SHEET NUMBER  
A101

**FLOOR PLAN GENERAL NOTES**

- SEE SHEET A720 FOR PARTITION TYPES.
- SEE SHEET A720 FOR DOOR AND FRAME ELEVATIONS, DETAILS, AND DOOR SCHEDULE.
- DIMENSIONS ARE TO FACE OF PAINTED SURFACE UNLESS NOTED OTHERWISE.
- ALL CONCRETE FLOORS TO HAVE CF-1 FINISH.
- SEE A520 FOR INTERIOR FINISHES.
- SEE DOOR SCHEDULE ON SHEET A720 FOR DOOR AND FRAME FINISHES.
- FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- TURN OVER ANY DOORS NOT SCHEDULED FOR REINSTALLATION TO THE OWNER.
- REMOVE OR MODIFY PORTIONS OF THE EXISTING PRE-ENGINEERED METAL BUILDING TO PROVIDE A COMPLETE AND WEATHERTIGHT INSTALLATION MAINTAINING THE WARRANTY OF THE EXISTING BUILDING.
- PROVIDE ALL OPENINGS REQUIRED FOR EQUIPMENT. VERIFY OPENING LOCATIONS AND SIZES WITH EQUIPMENT SUPPLIER.
- SEE ELECTRICAL FOR LIGHTING PLANS.
- EQUIPMENT SUPPLIER TO MAINTAIN CLEAR FLOOR SPACE AT ALL DOORS.

**LIFE SAFETY INFORMATION**

**SUMMARY:** THIS IS A PRE-ENGINEERED METAL BUILDING ADDITION OF APPROXIMATELY 7,800 SQUARE FEET INCLUDING RENOVATION OF EXISTING TO ADD AN APPROXIMATE 3,000 SQUARE FOOT SORTING PLATFORM, RESTROOMS, EQUIPMENT AND SITE IMPROVEMENTS.

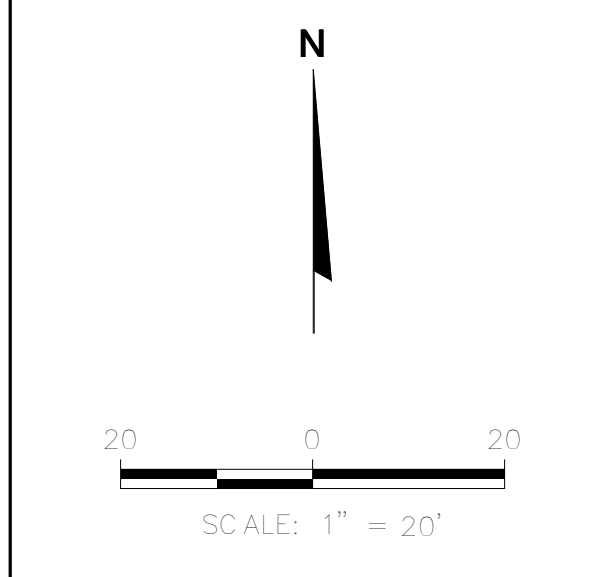
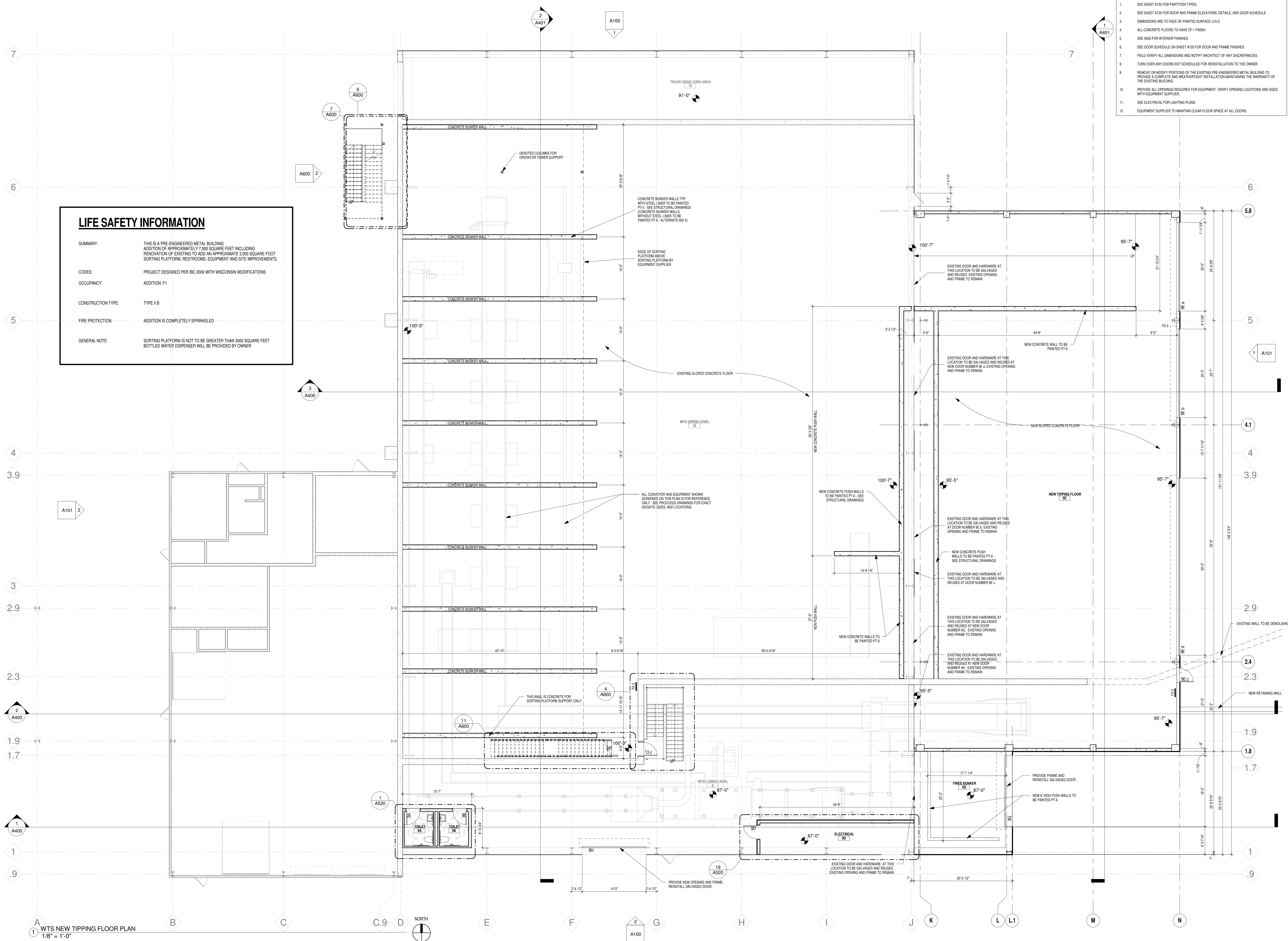
**CODES:** PROJECT DESIGNED PER IBC 2009 WITH WISCONSIN MODIFICATIONS

**OCCUPANCY:** ADDITION: F1

**CONSTRUCTION TYPE:** TYPE II B

**FIRE PROTECTION:** ADDITION IS COMPLETELY SPRINKLED

**GENERAL NOTE:** SORTING PLATFORM IS NOT TO BE GREATER THAN 3000 SQUARE FEET BOTTLED WATER DISPENSER WILL BE PROVIDED BY OWNER



REVISION	DATE	BY	TITLE

BID DOCUMENTS  
ISSUED 04/28/15

WTS NEW TIPPING FLOOR PLAN

SHEET NUMBER  
A200

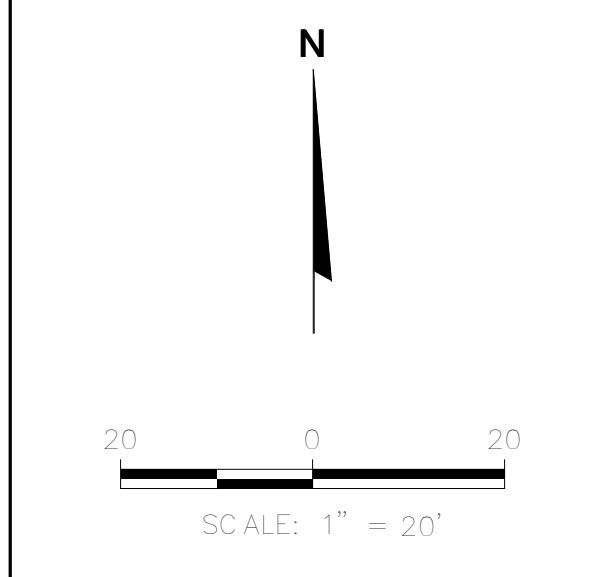
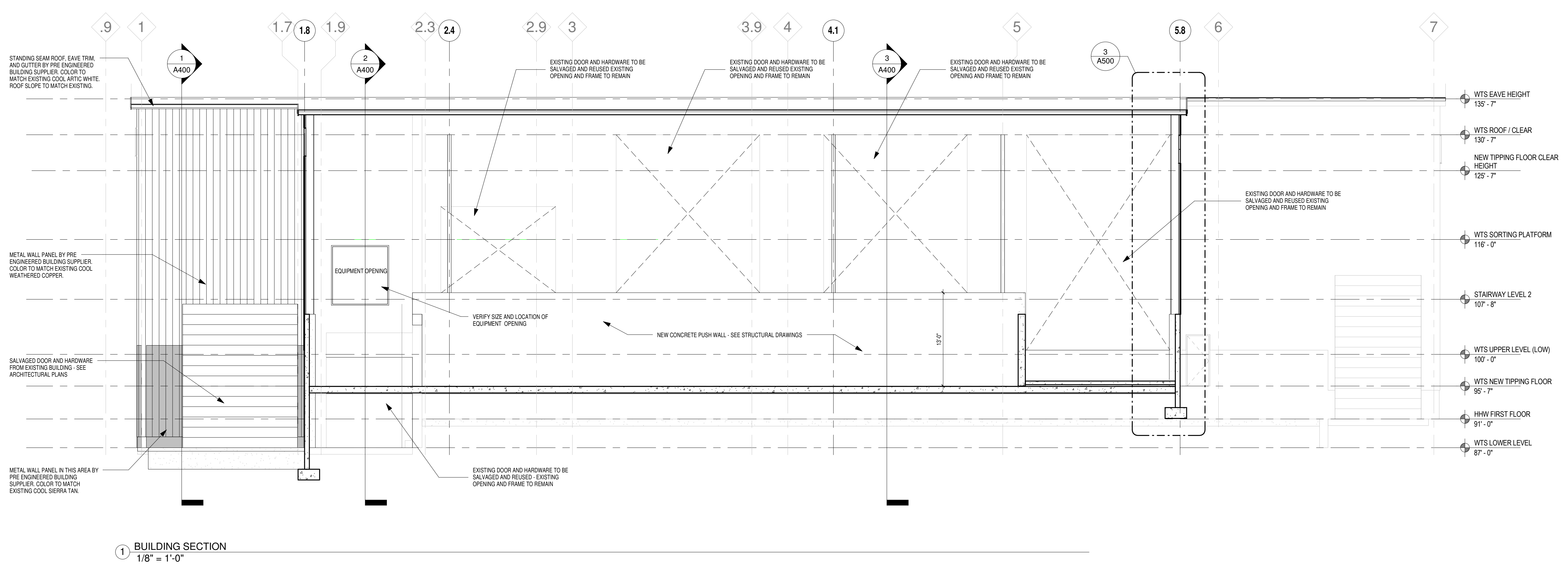
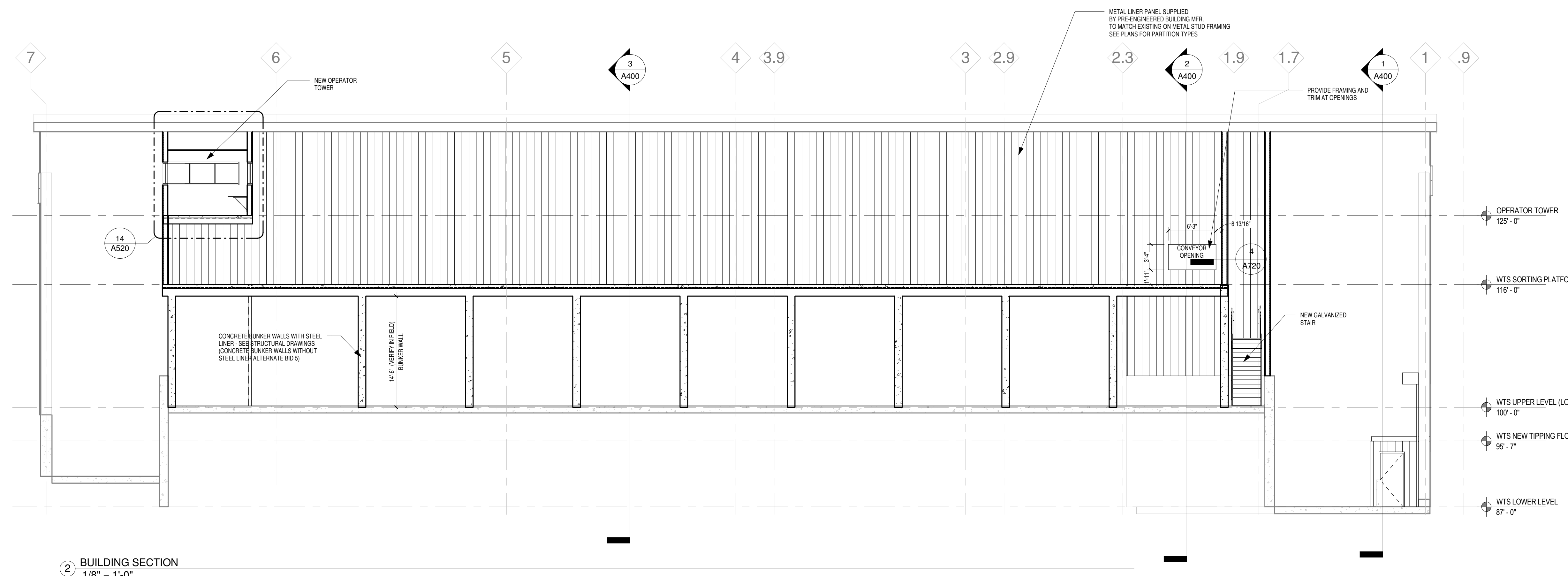
WTS NEW TIPPING FLOOR PLAN  
1/8" = 1'-0"











REVISION	DATE	BY	TITLE

PROJECT NO:	14016-00
DRAWN:	02.16.15
REVISED:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

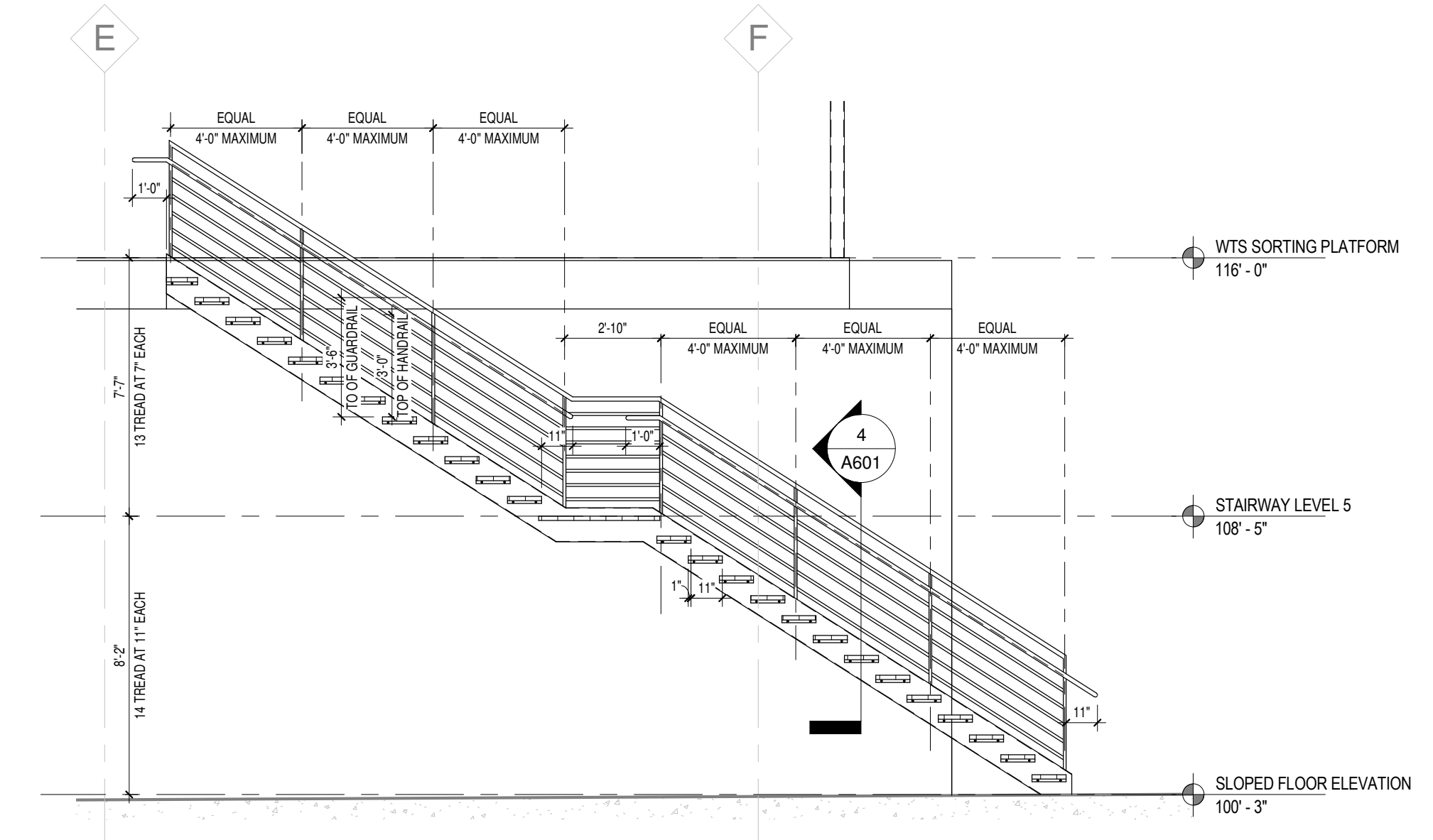
BID DOCUMENTS  
ISSUED 04/28/15

BUILDING SECTIONS

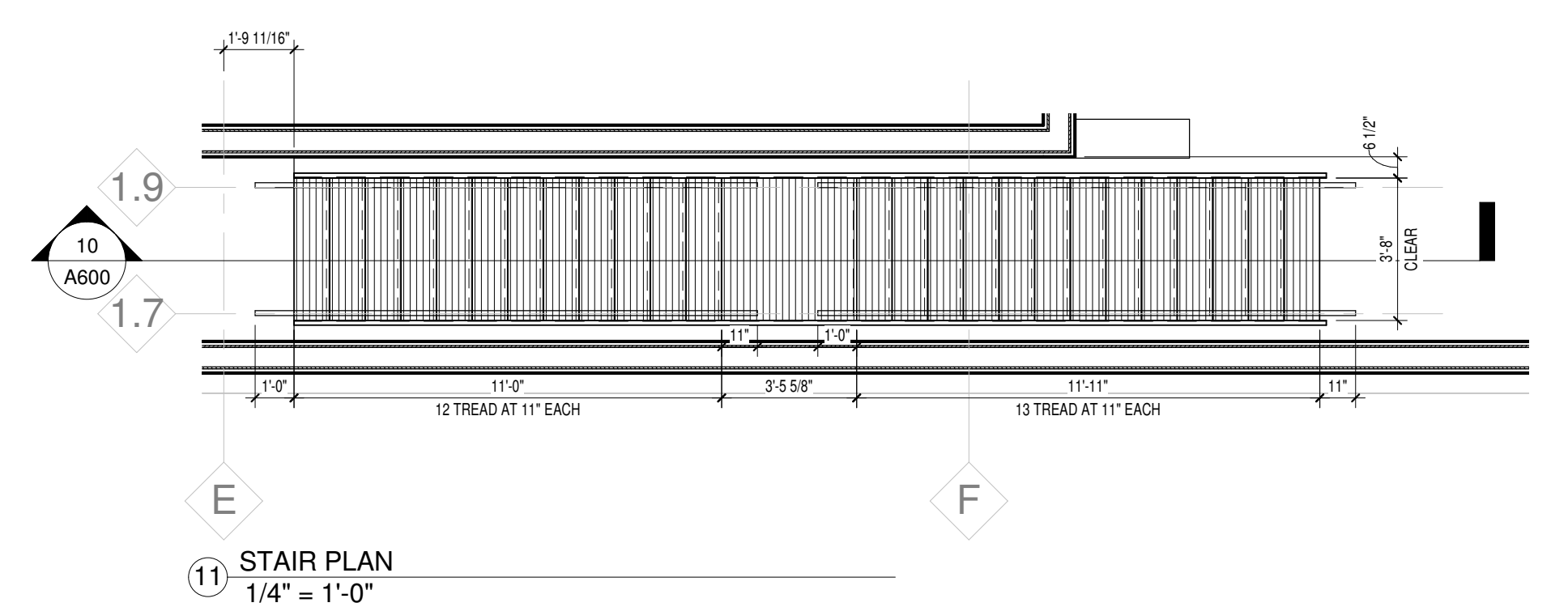
SHEET NUMBER  
**A401**



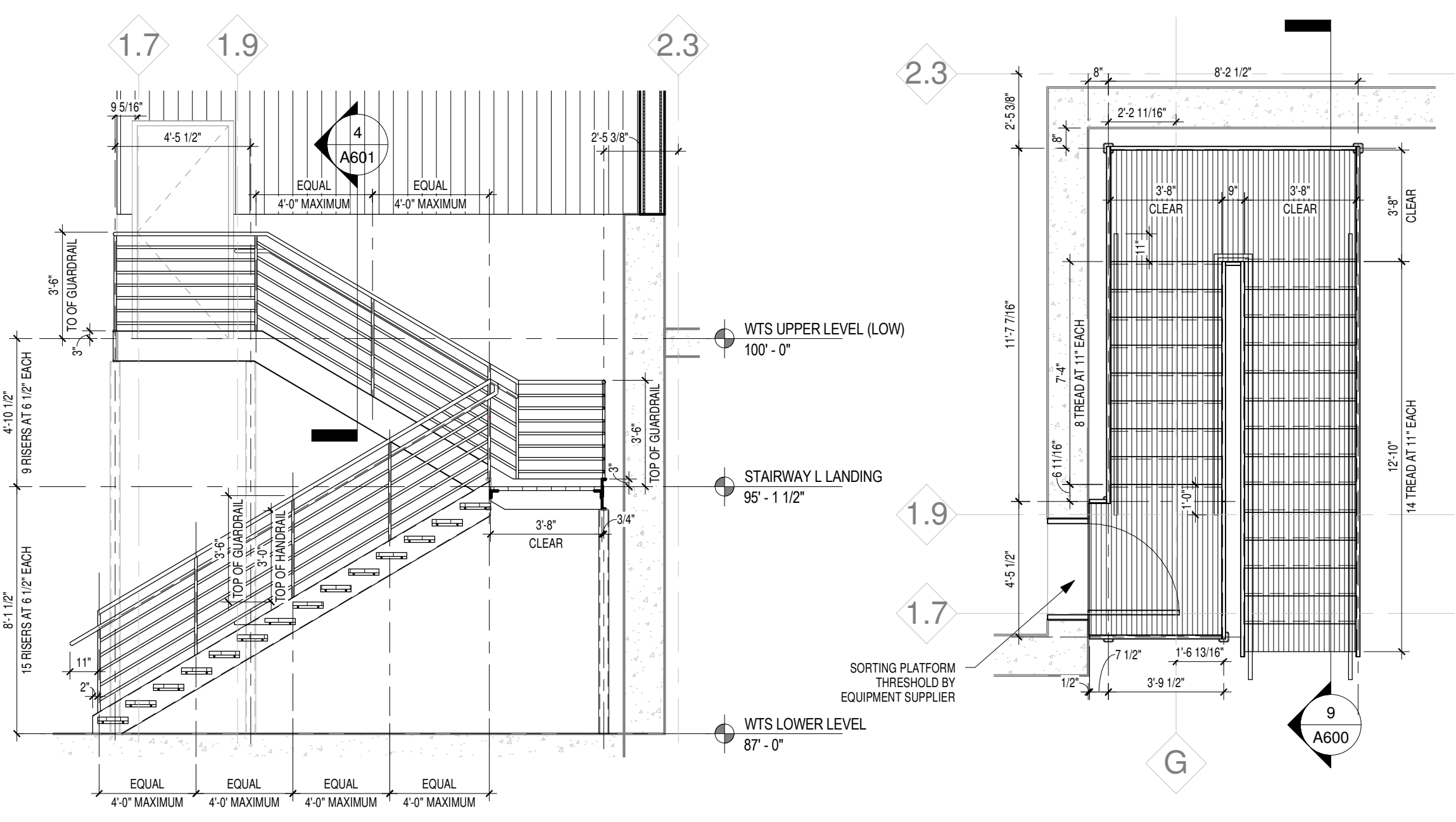




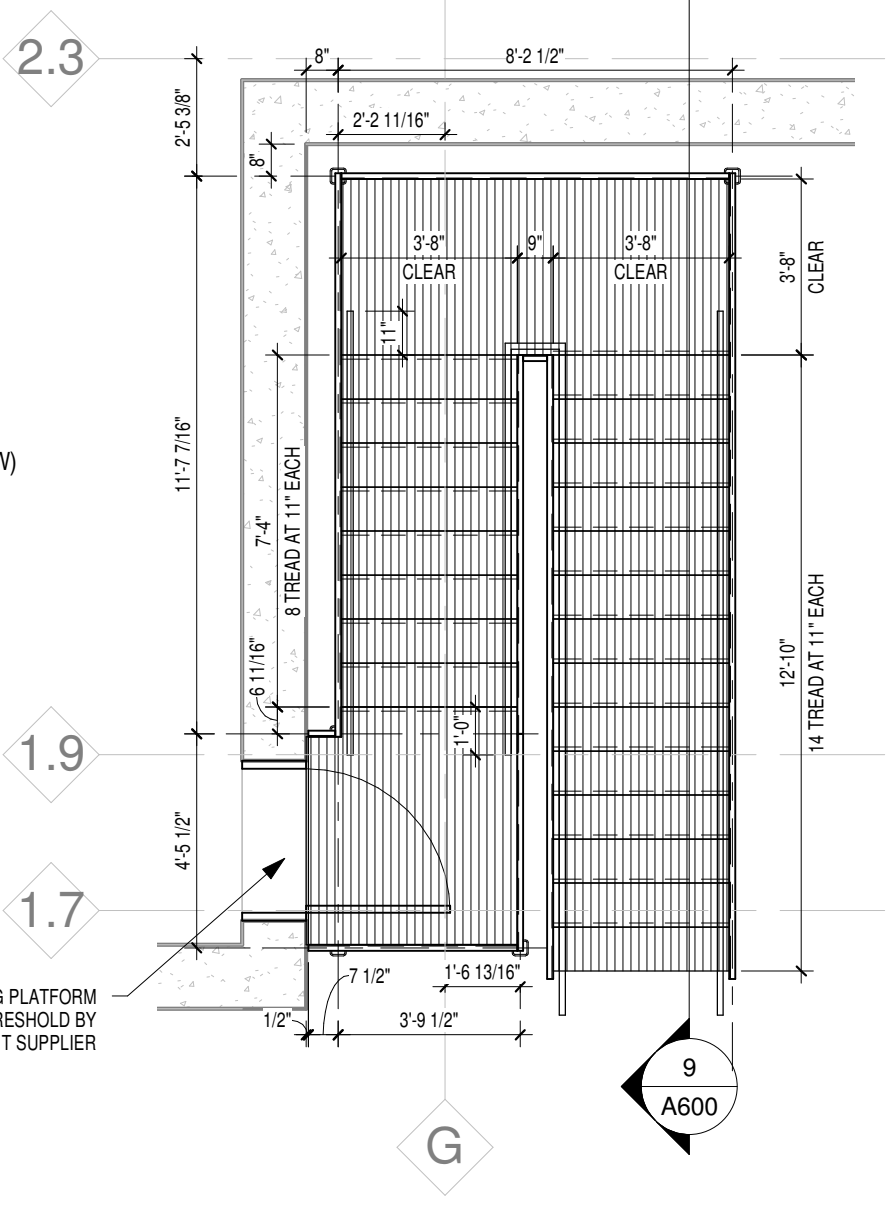
10 STAIR SECTION  
 1/4" = 1'-0"



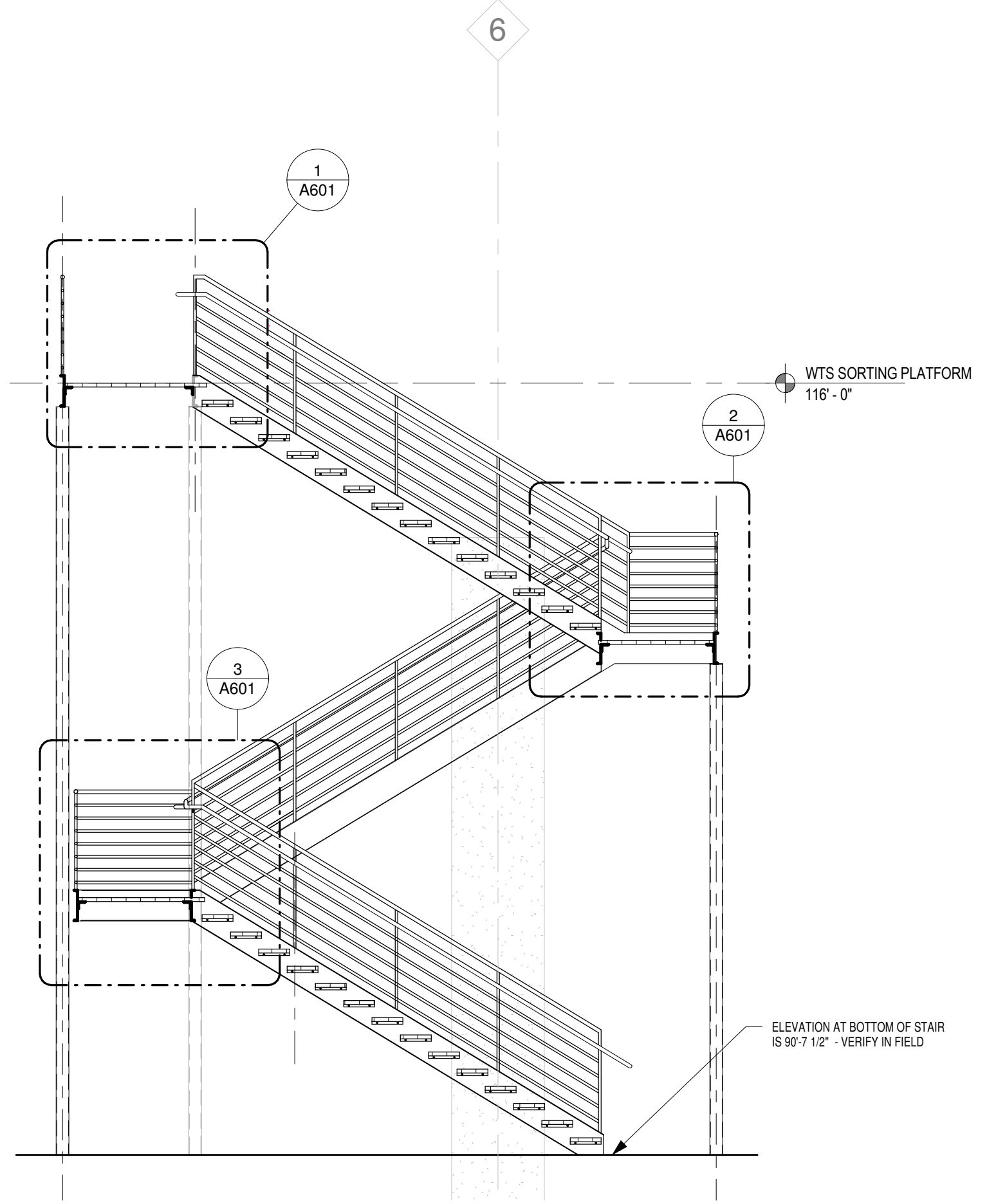
11 STAIR PLAN  
 1/4" = 1'-0"



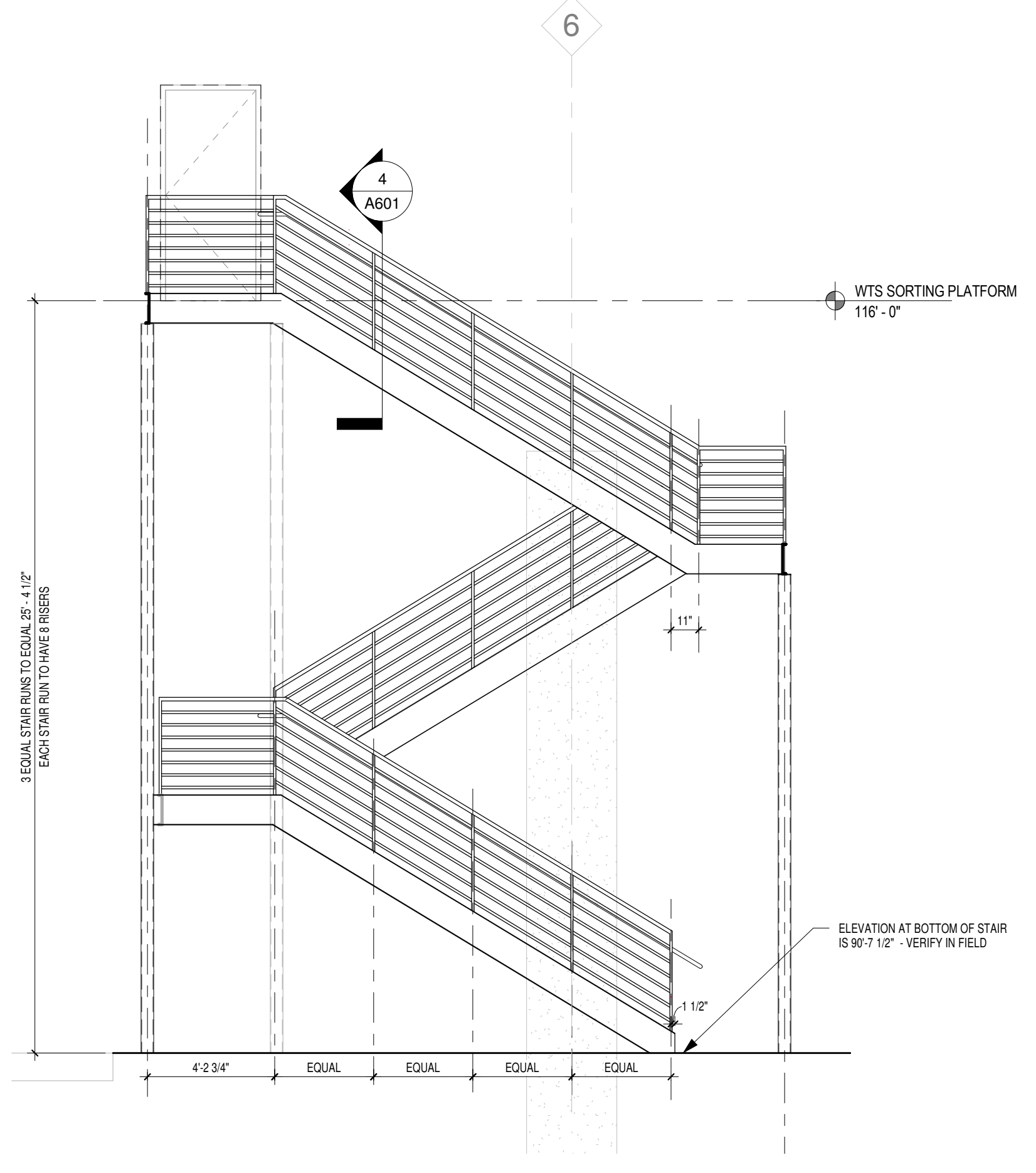
9 STAIR SECTION  
 1/4" = 1'-0"



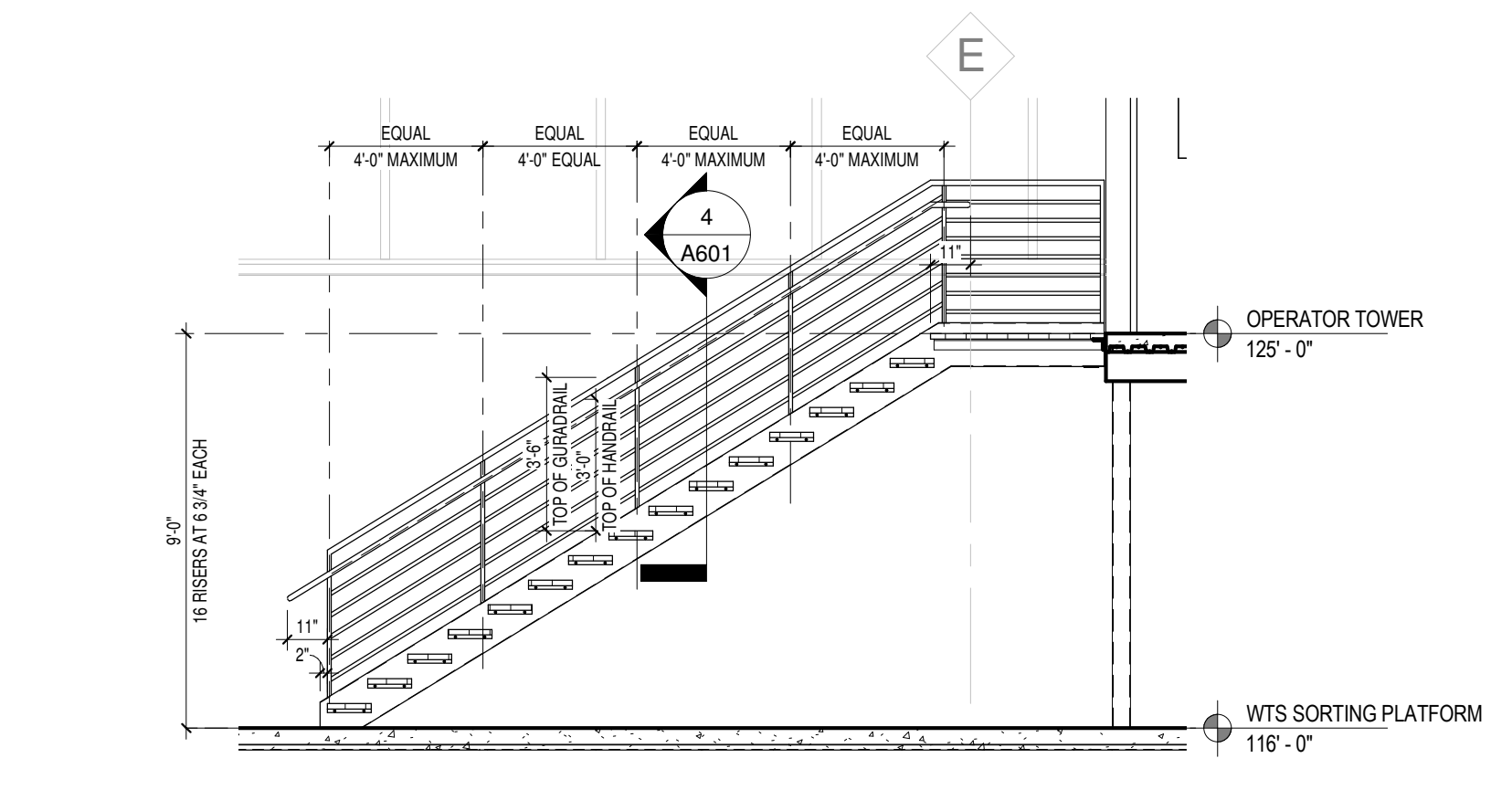
4 STAIR PLAN  
 1/4" = 1'-0"



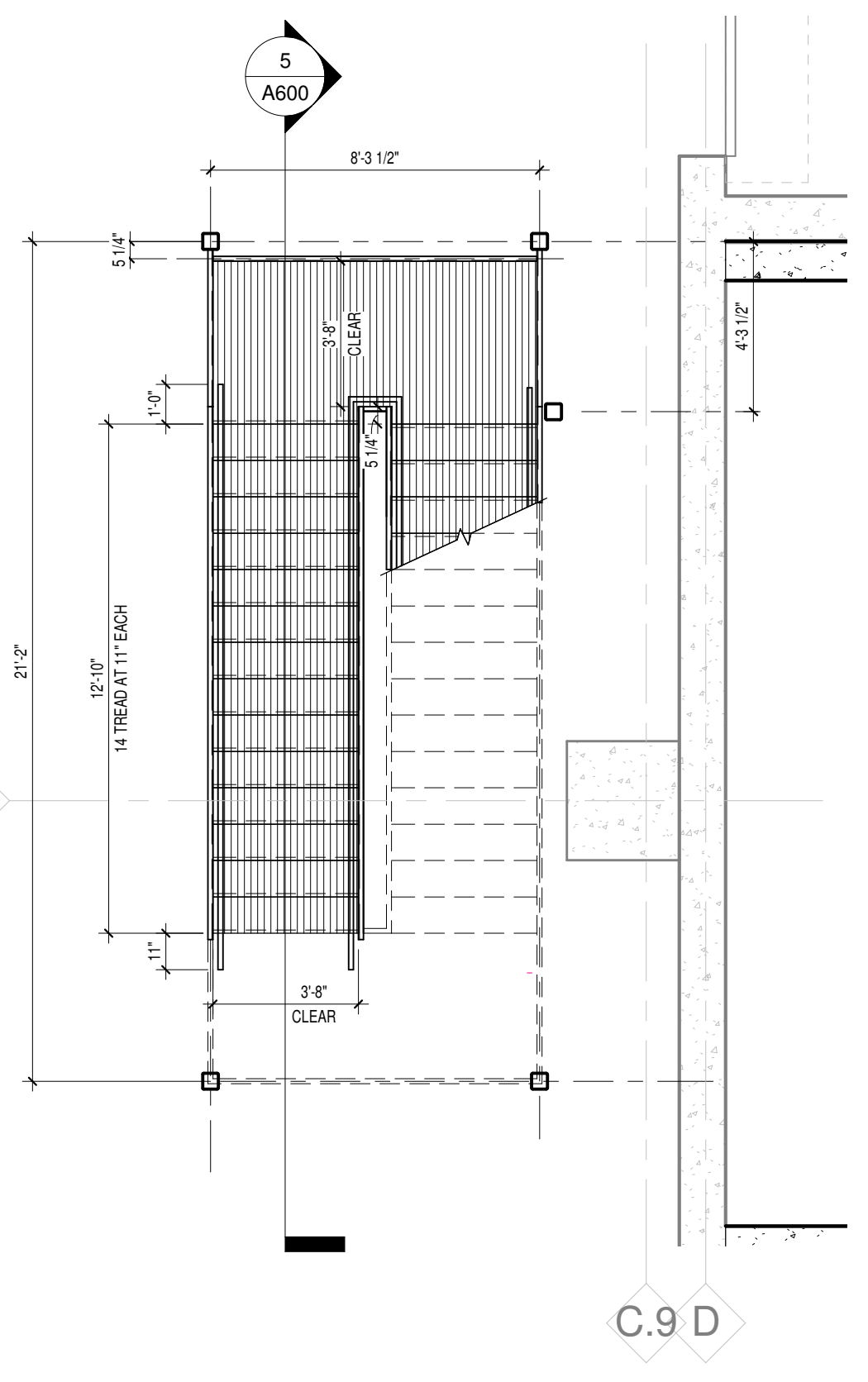
5 STAIR SECTION  
 1/4" = 1'-0"



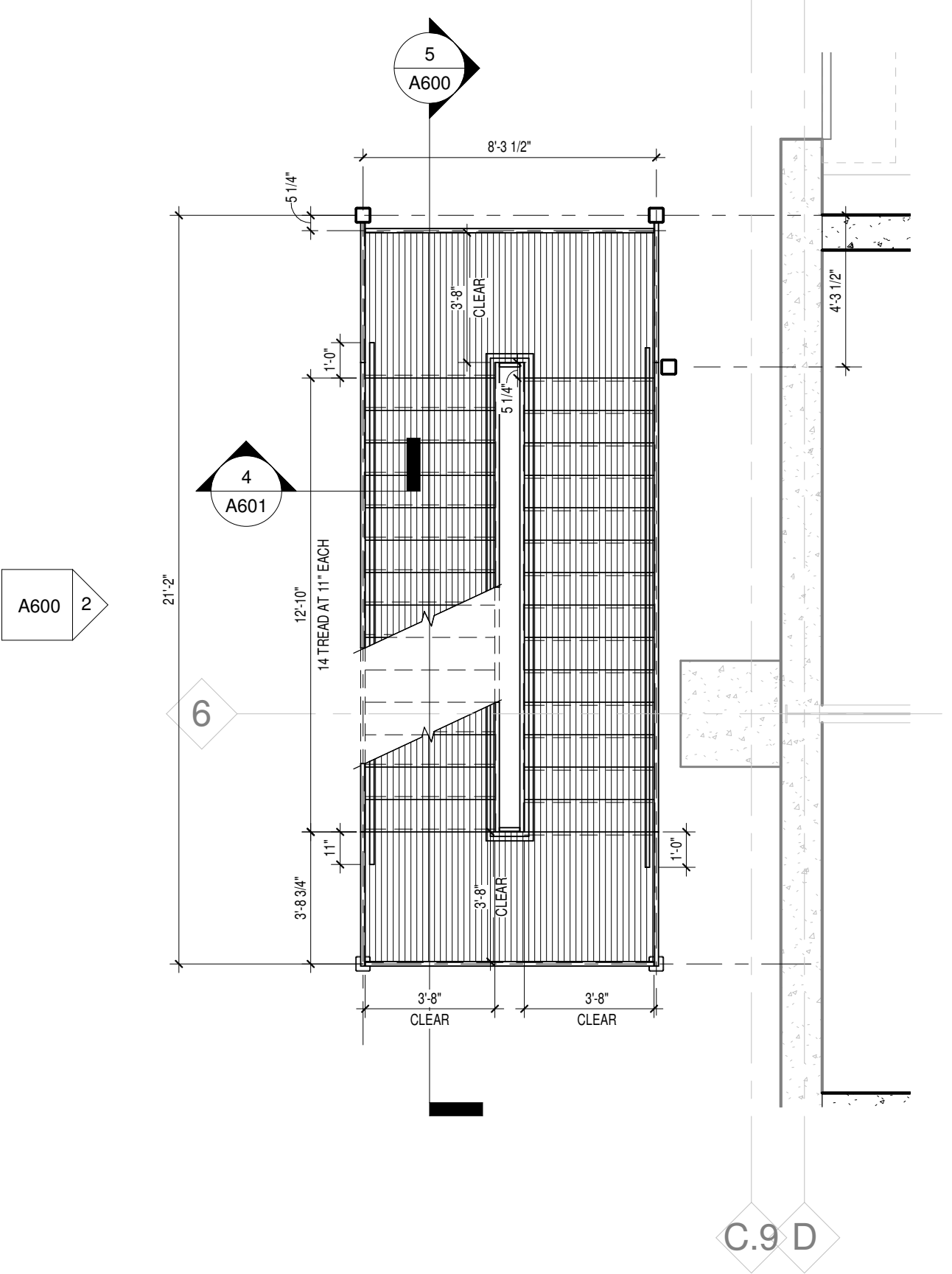
2 STAIR ELEVATION  
 1/4" = 1'-0"



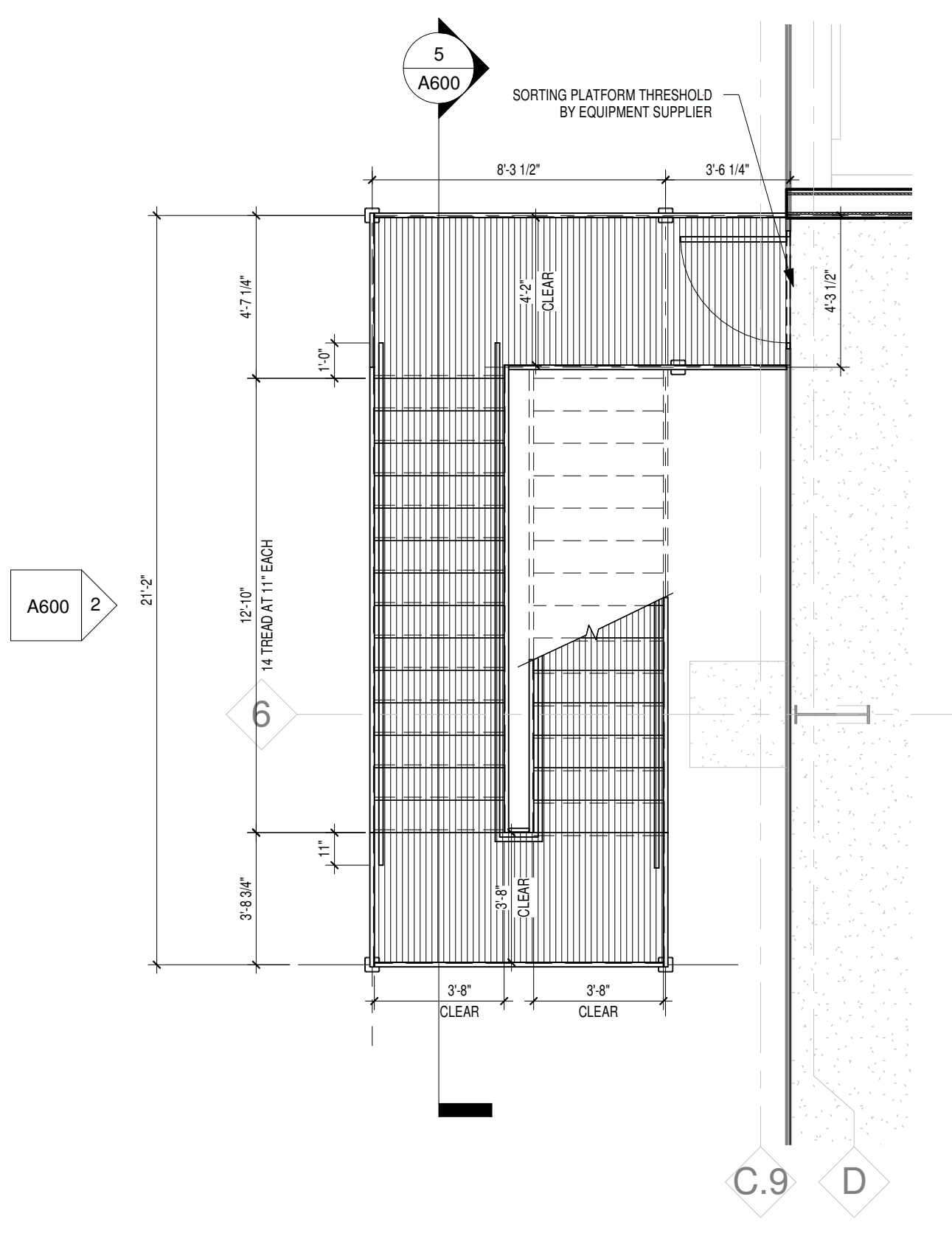
3 STAIR SECTION  
 1/4" = 1'-0"



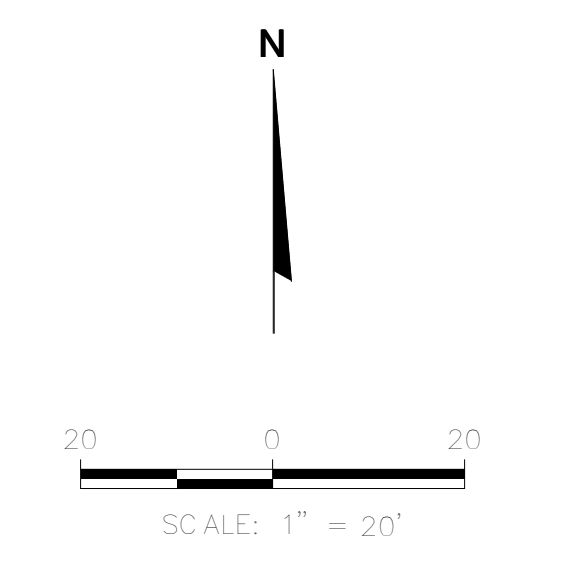
6 STAIR PLAN  
 1/4" = 1'-0"



7 STAIR PLAN  
 1/4" = 1'-0"



8 STAIR PLAN  
 1/4" = 1'-0"



REVISION	DATE	BY	TITLE

PROJECT NO: 14016-00  
 DRAWN: 02.16.15  
 REVISED:  
 DRAWN BY:  
 CHECKED BY:  
 APPROVED BY:

BID DOCUMENTS  
 ISSUED 04/28/15

EXTERIOR DETAILS  
 SHEET NUMBER  
 A600















**CONSTRUCTION AND  
DEMOLITION WASTE  
RECYCLING FACILITY  
7102 US HWY 12/18  
MADISON, WISCONSIN**

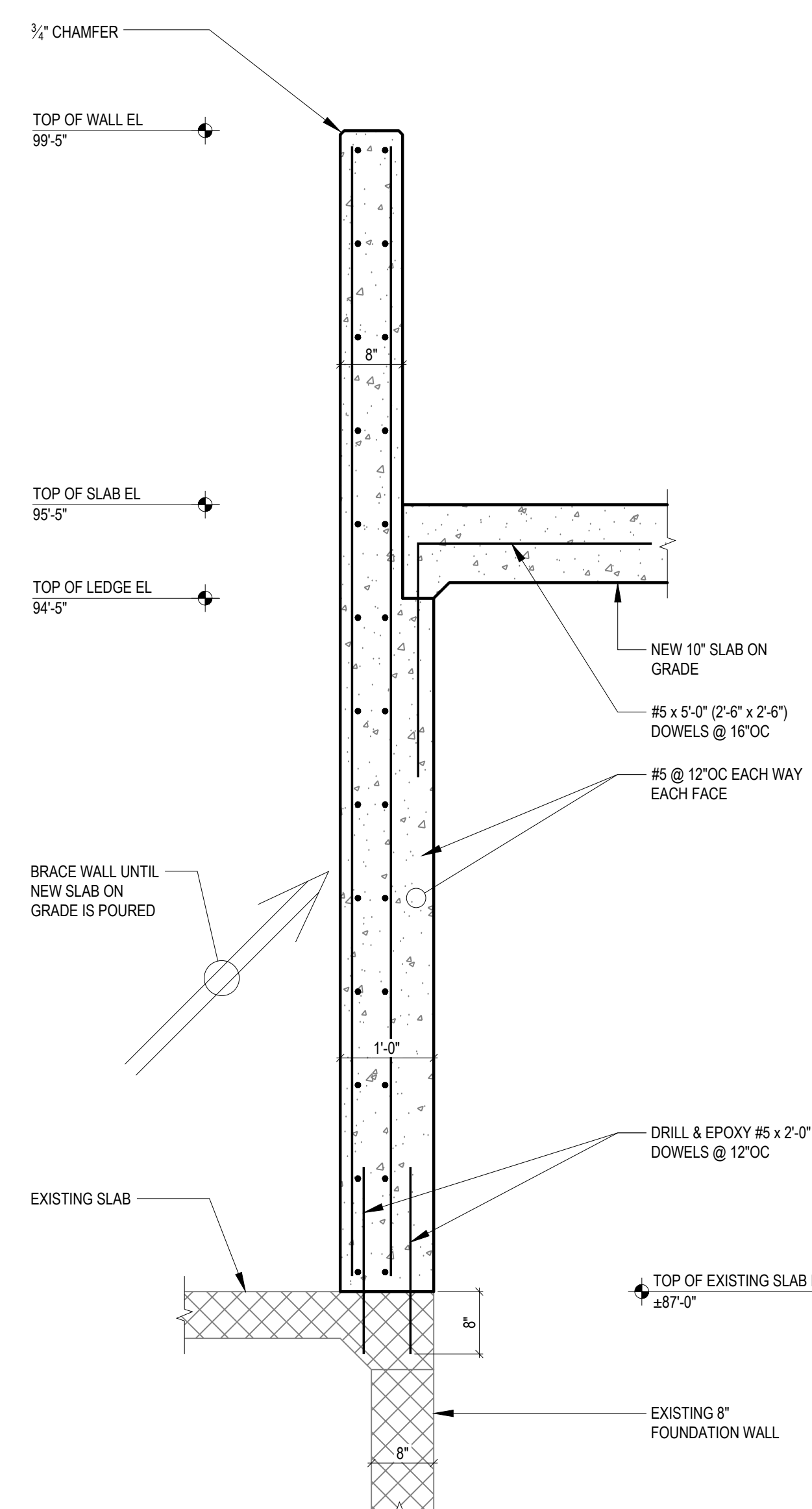
DANE COUNTY DEPARTMENT OF  
PUBLIC WORKS  
SOLID WASTE DIVISION  
1919 ALLIANT ENERGY CENTER WAY  
MADISON, WI 53713

**PROCESS AND CIVIL ENGINEER:**  
SCS ENGINEERS  
2830 DAIRY DRIVE  
MADISON, WI 53718-6751  
(608) 224-2830

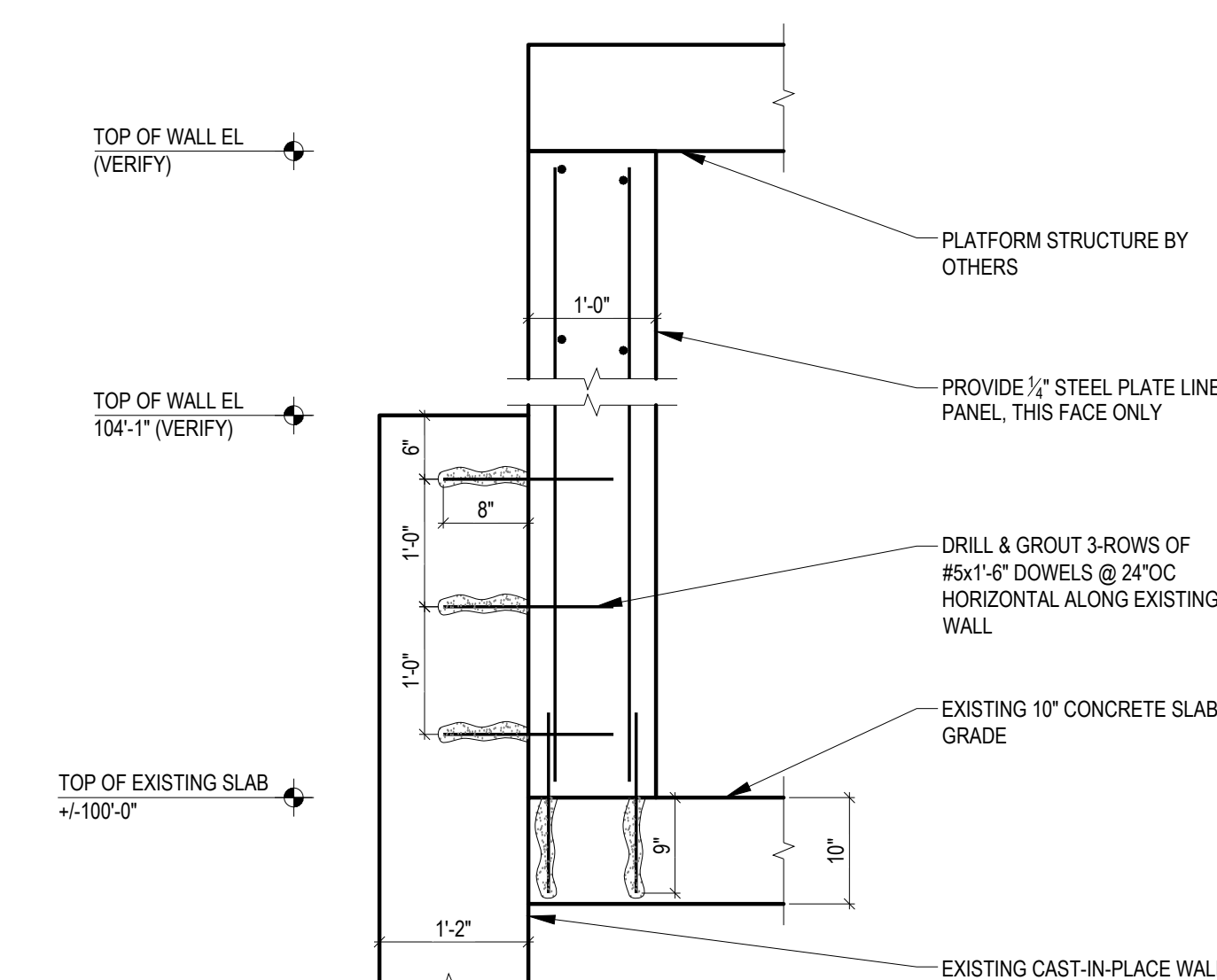
**ARCHITECT:**  
DORSCHNER ASSOCIATES, INC.  
849 E. WASHINGTON AVE., SUITE 112  
MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
PIERCE ENGINEERS, INC.  
10 WEST MIFFLIN ST., SUITE 205  
MADISON, WI 53703

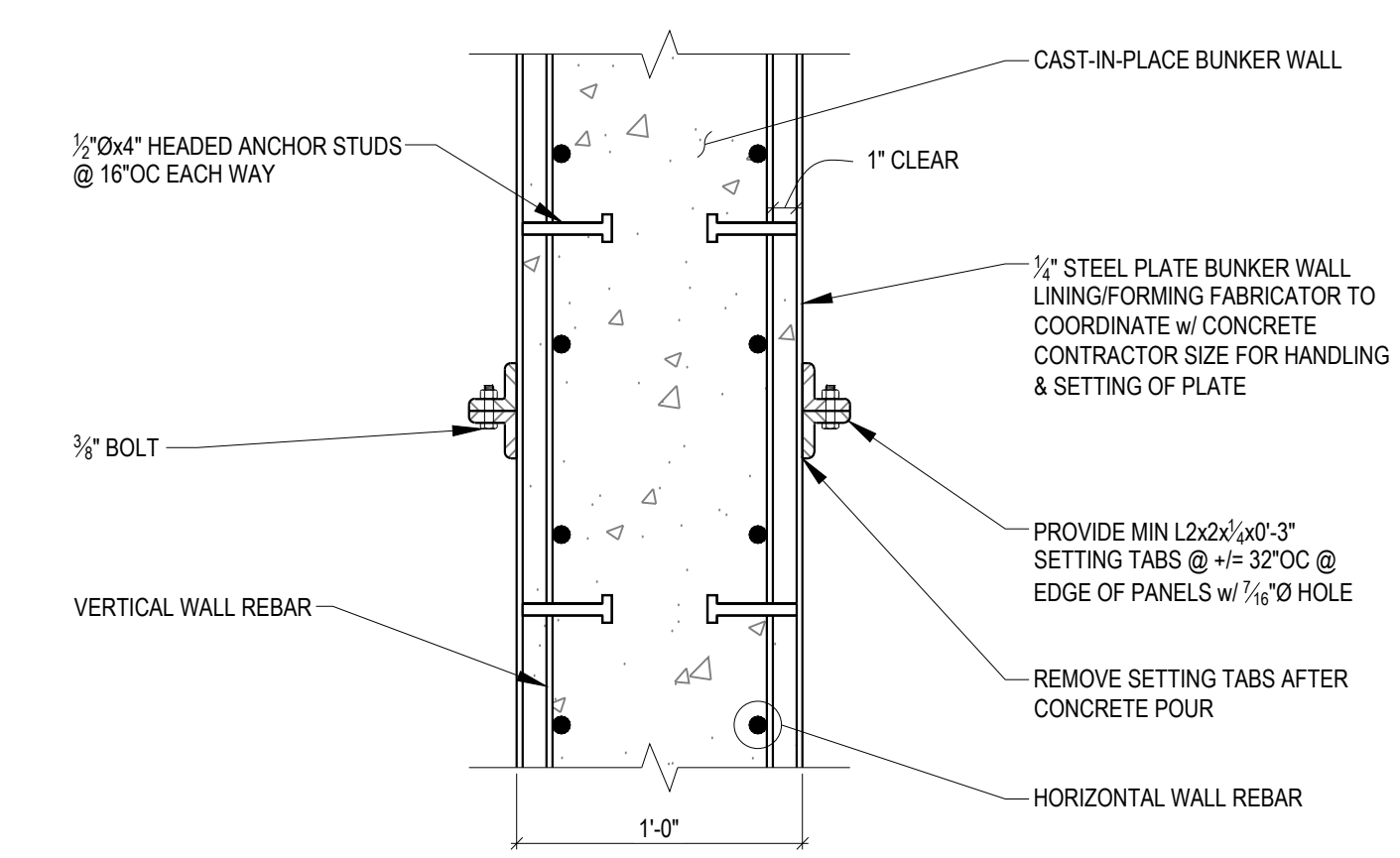
**MECHANICAL, ELECTRIC, PLUMBING  
DESIGN:**  
JDR ENGINEERING, INC.  
5525 NOBEL DRIVE, SUITE 110  
MADISON, WI 53711



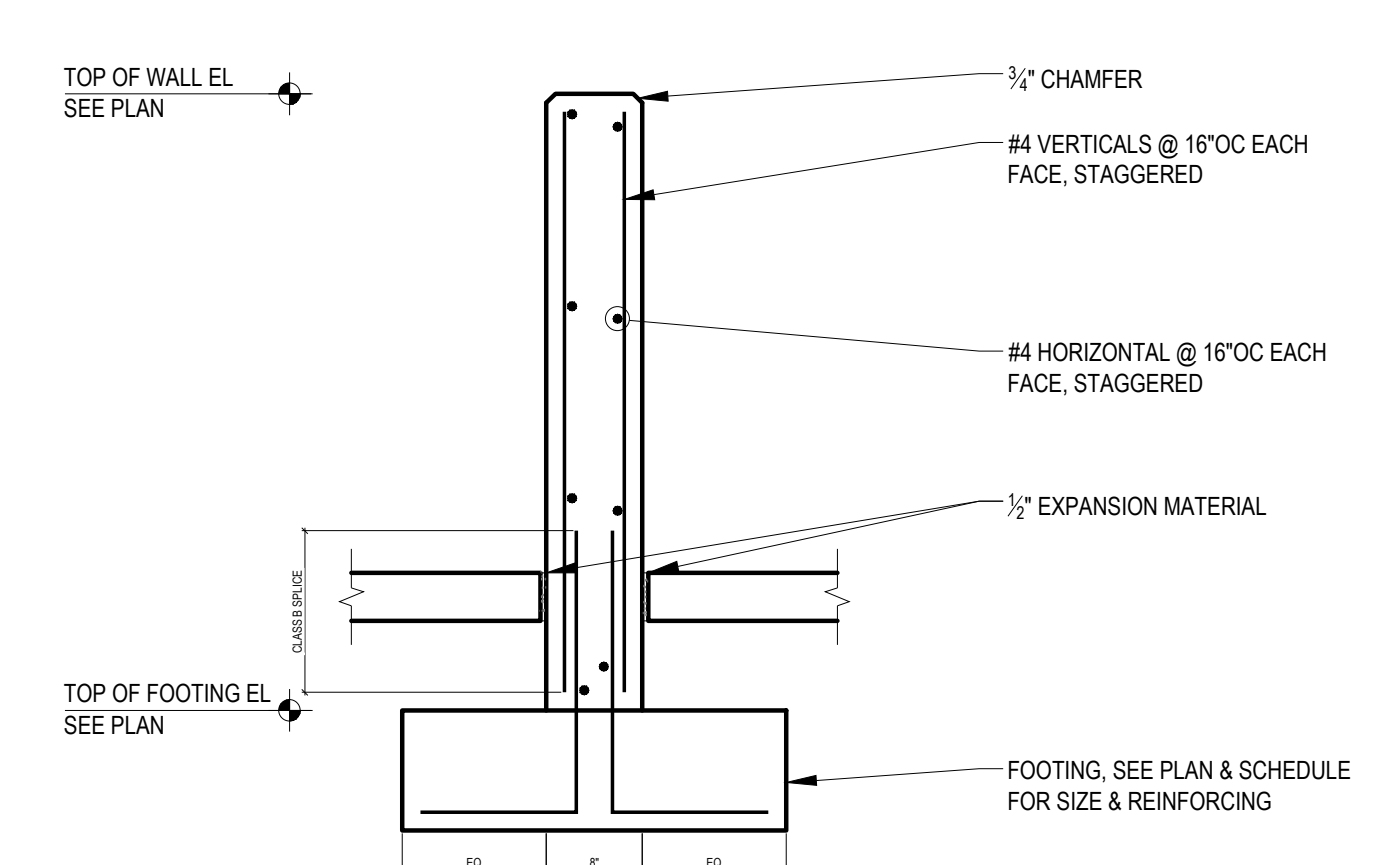
**12 SECTION**  
SCALE: NTS



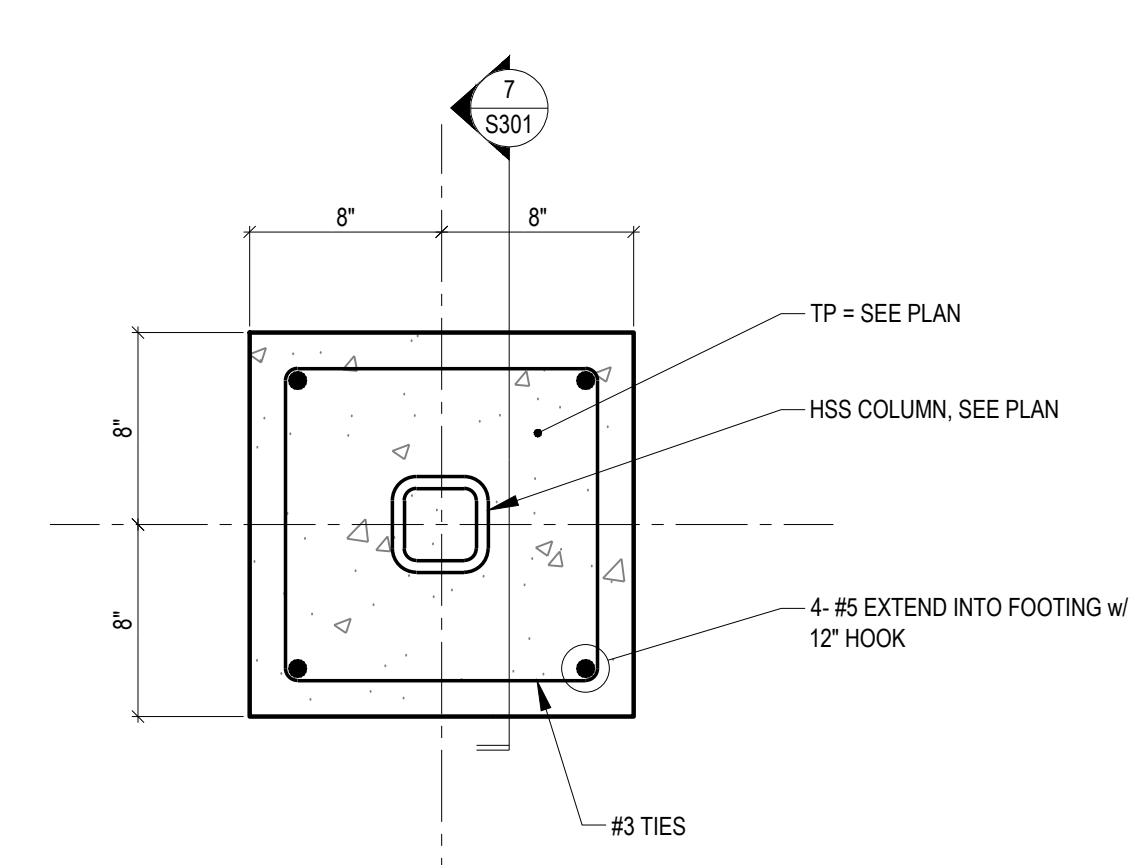
**11 SECTION**  
SCALE: NTS



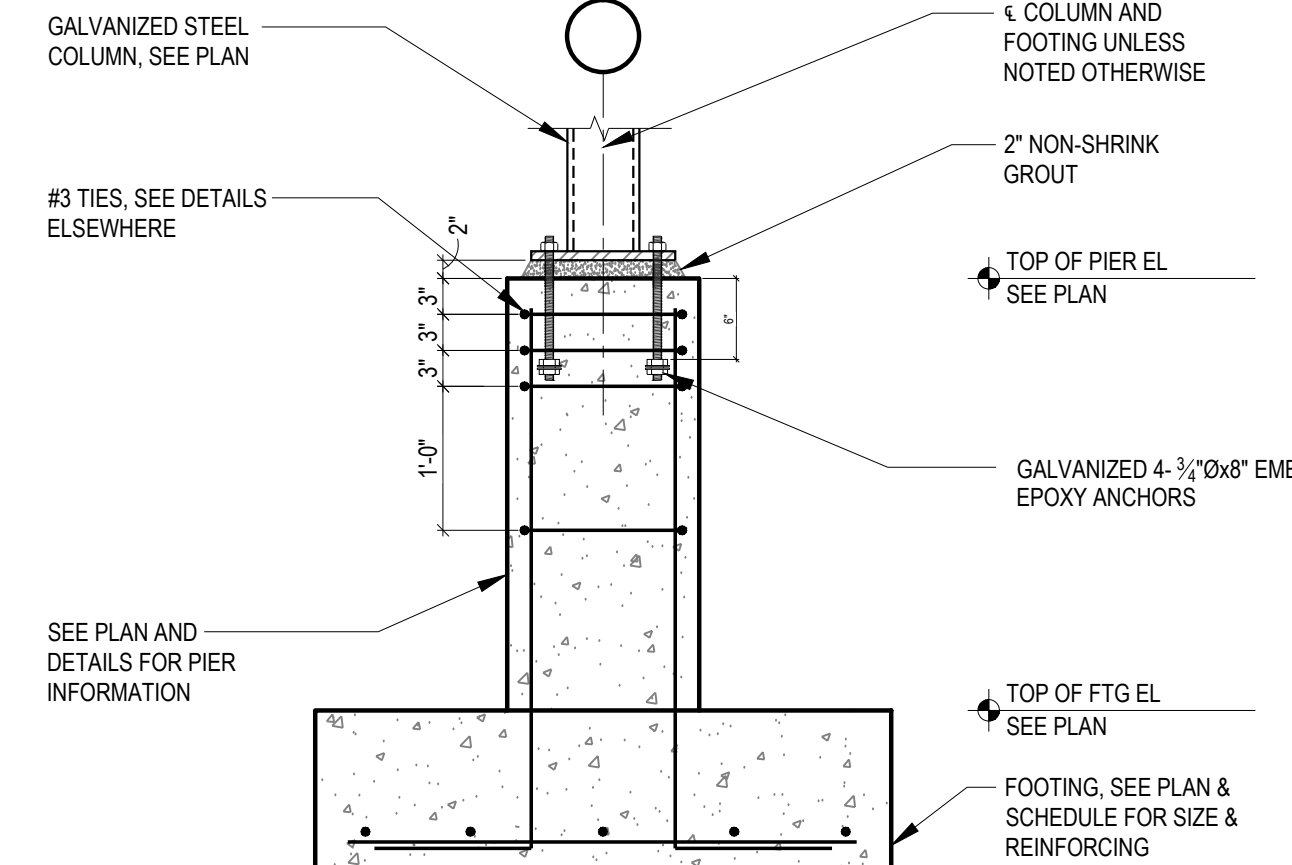
**10 SECTION**  
SCALE: NTS



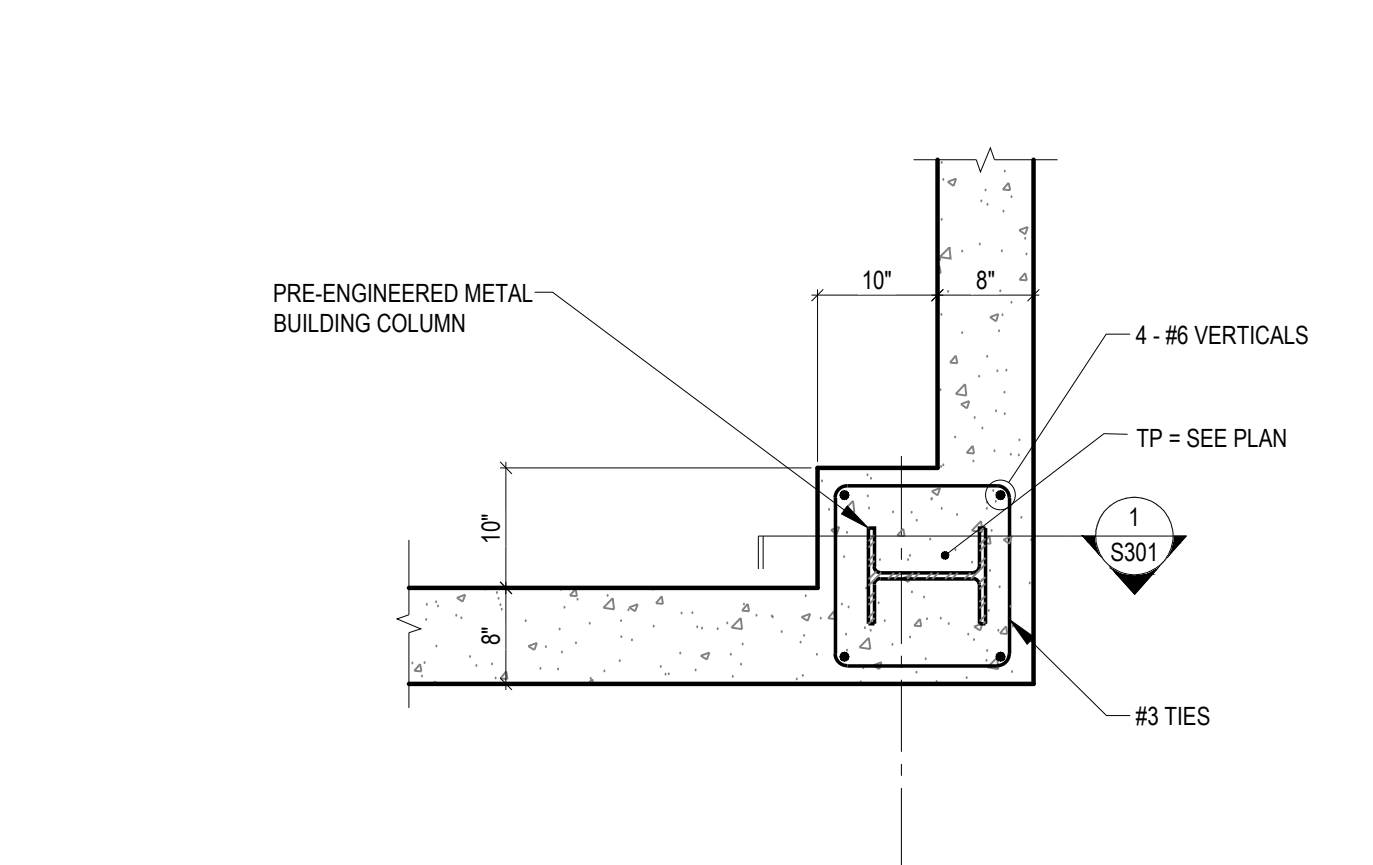
**9 SECTION**  
SCALE: NTS



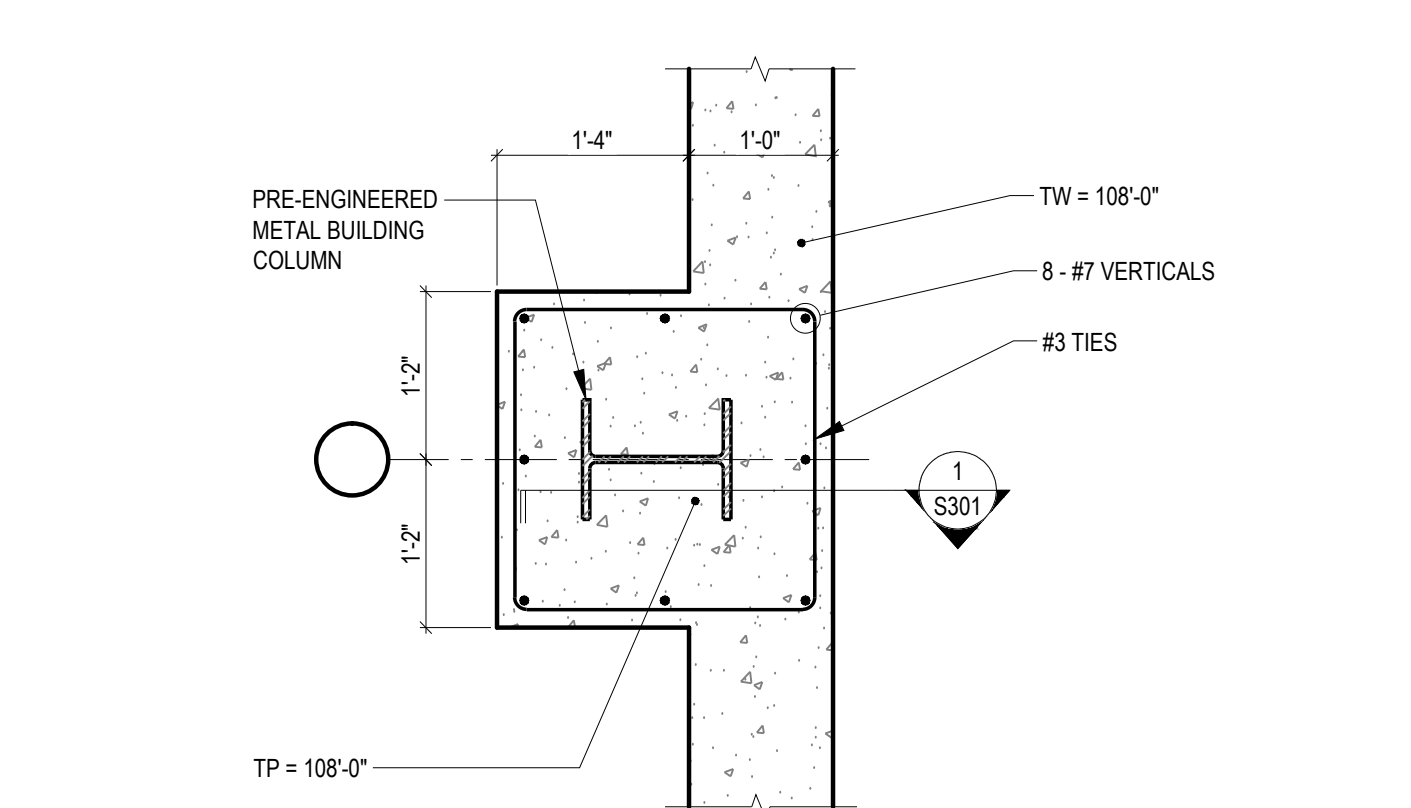
**8 PIER DETAIL**  
SCALE: NTS



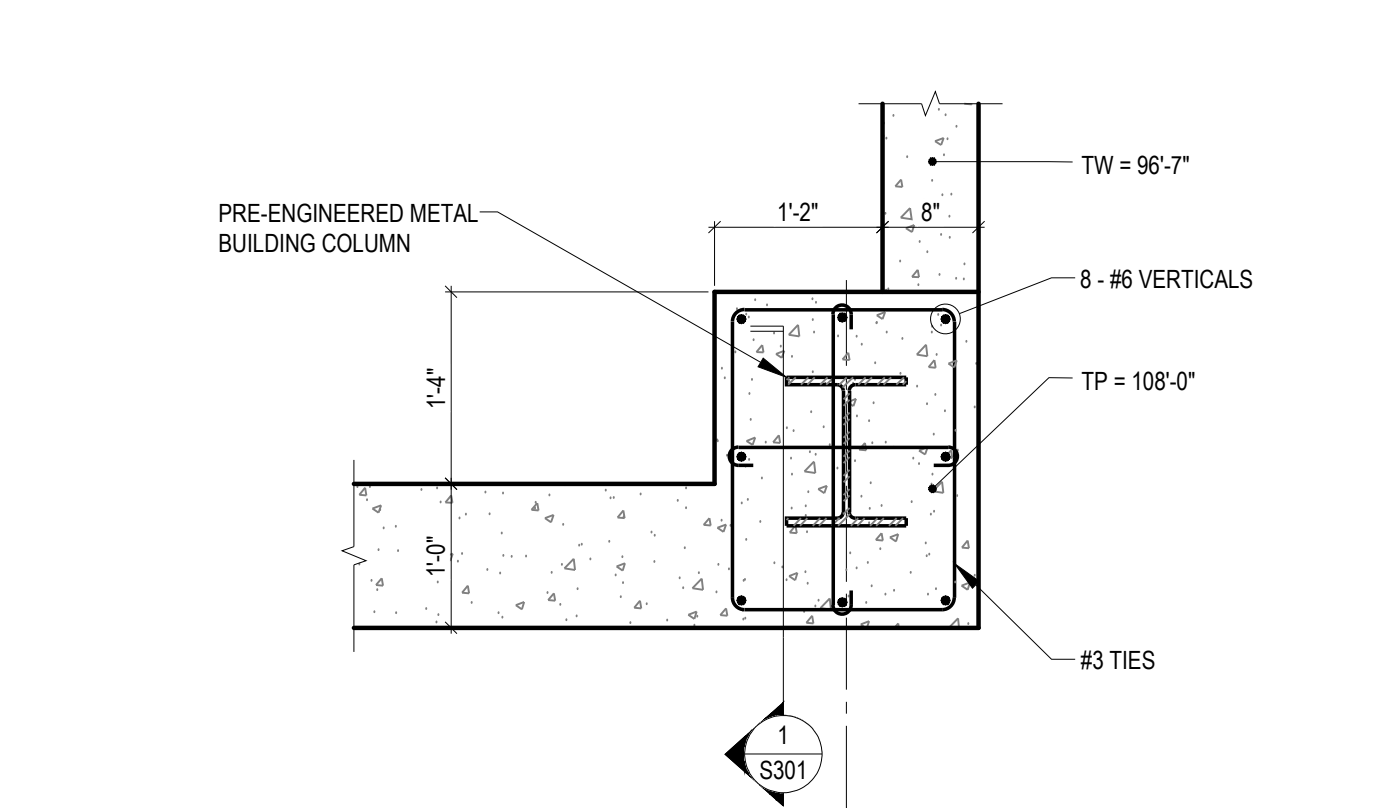
**7 COLUMN PIER & FOOTING DETAIL**  
SCALE: NTS



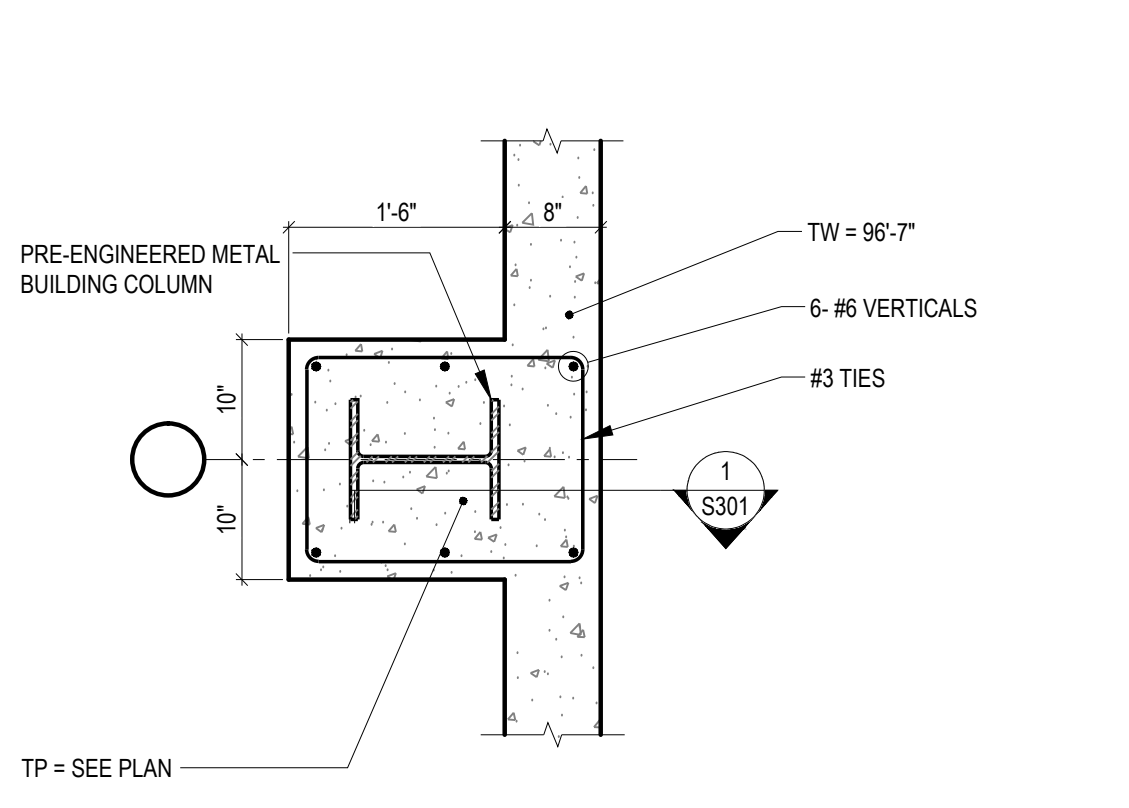
**6 PIER DETAIL**  
SCALE: NTS



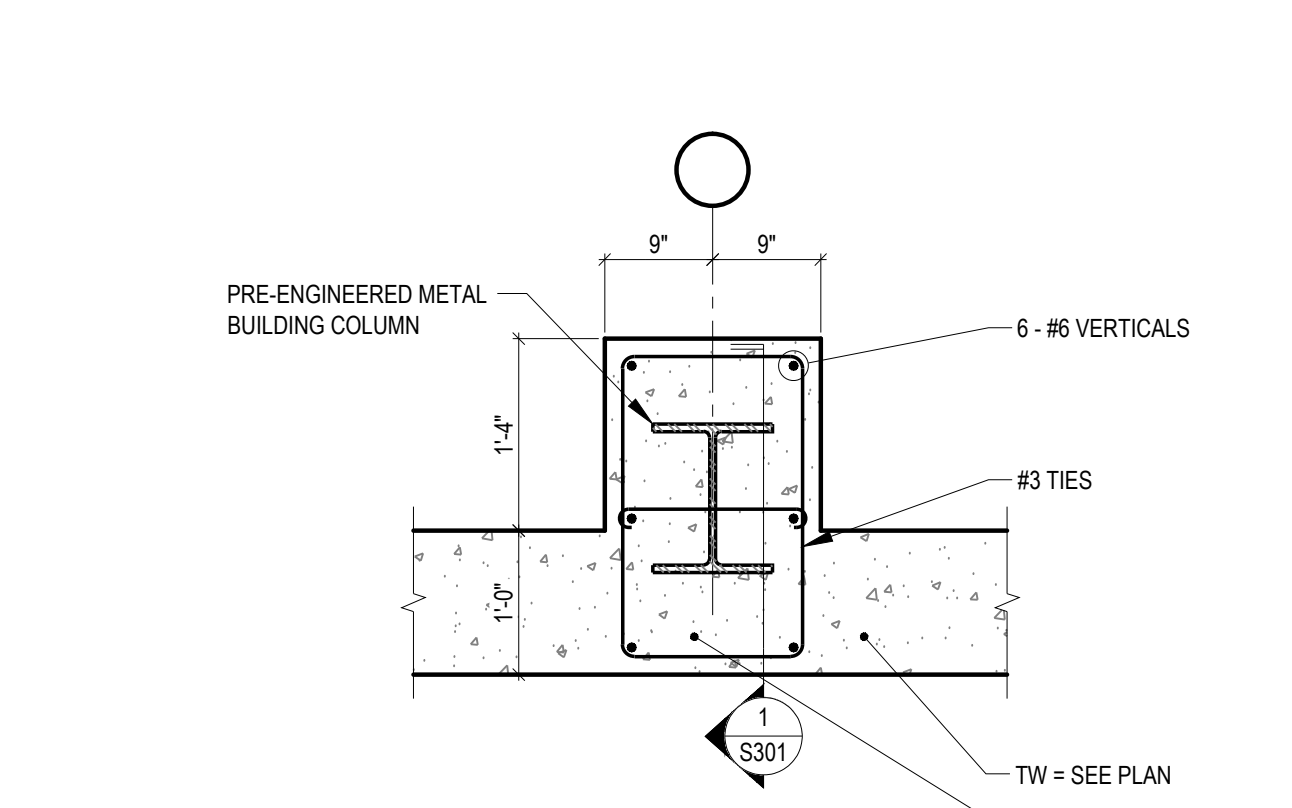
**5 PIER DETAIL**  
SCALE: NTS



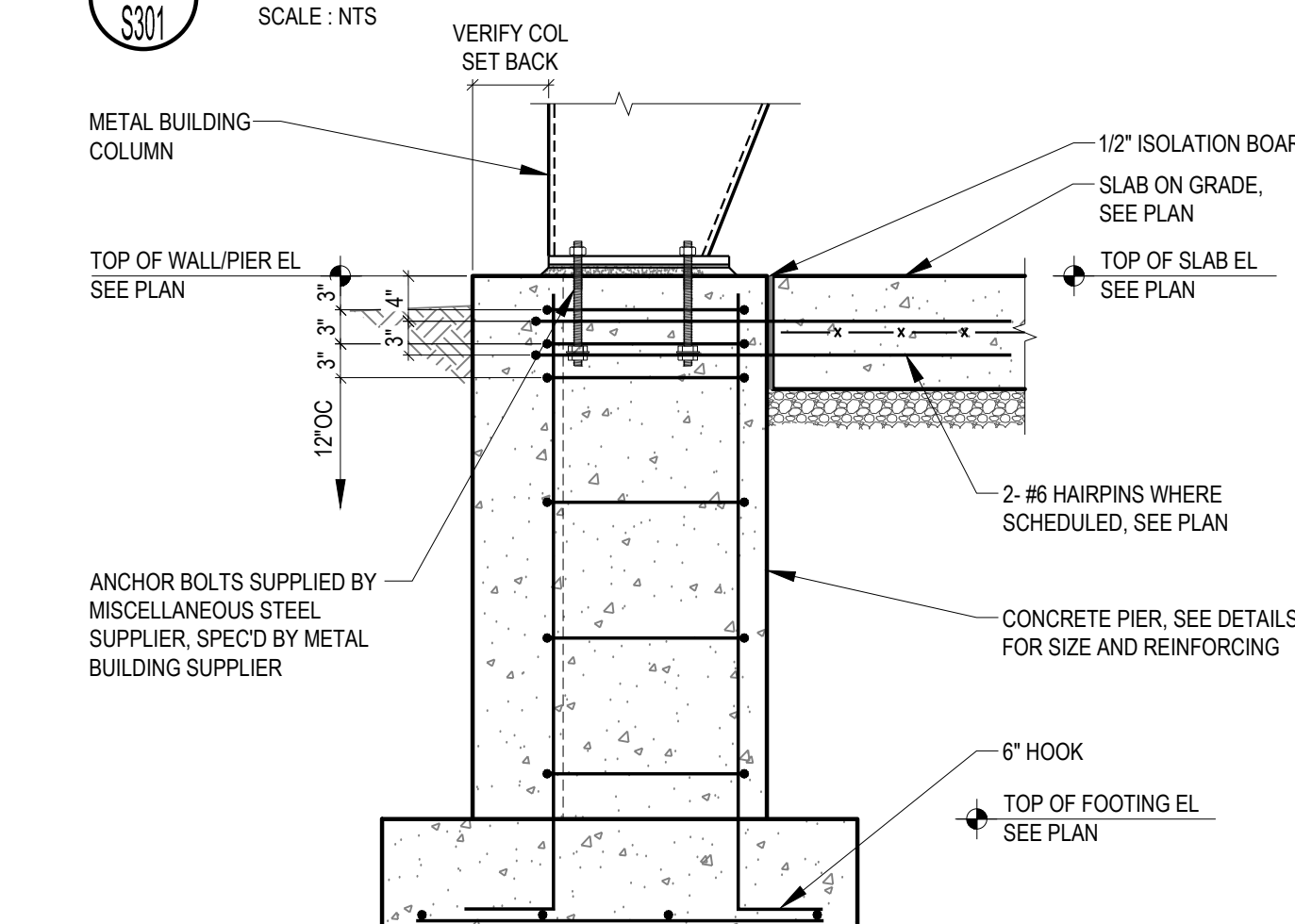
**4 PIER DETAIL**  
SCALE: NTS



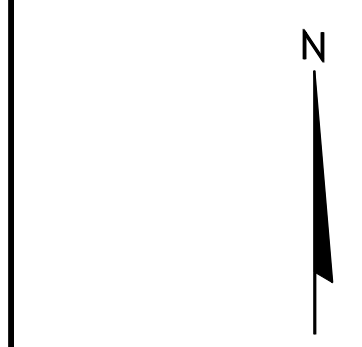
**3 PIER DETAIL**  
SCALE: NTS



**2 PIER DETAIL**  
SCALE: NTS



**1 PERIMETER PIER DETAIL**  
SCALE: NTS



REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	
DRAWN BY:	PE
CHECKED BY:	PE
APPROVED BY:	

**BID DOCUMENTS  
ISSUED 04/28/15**

**FOUNDATION DETAILS**

SHEET NUMBER  
**8301**



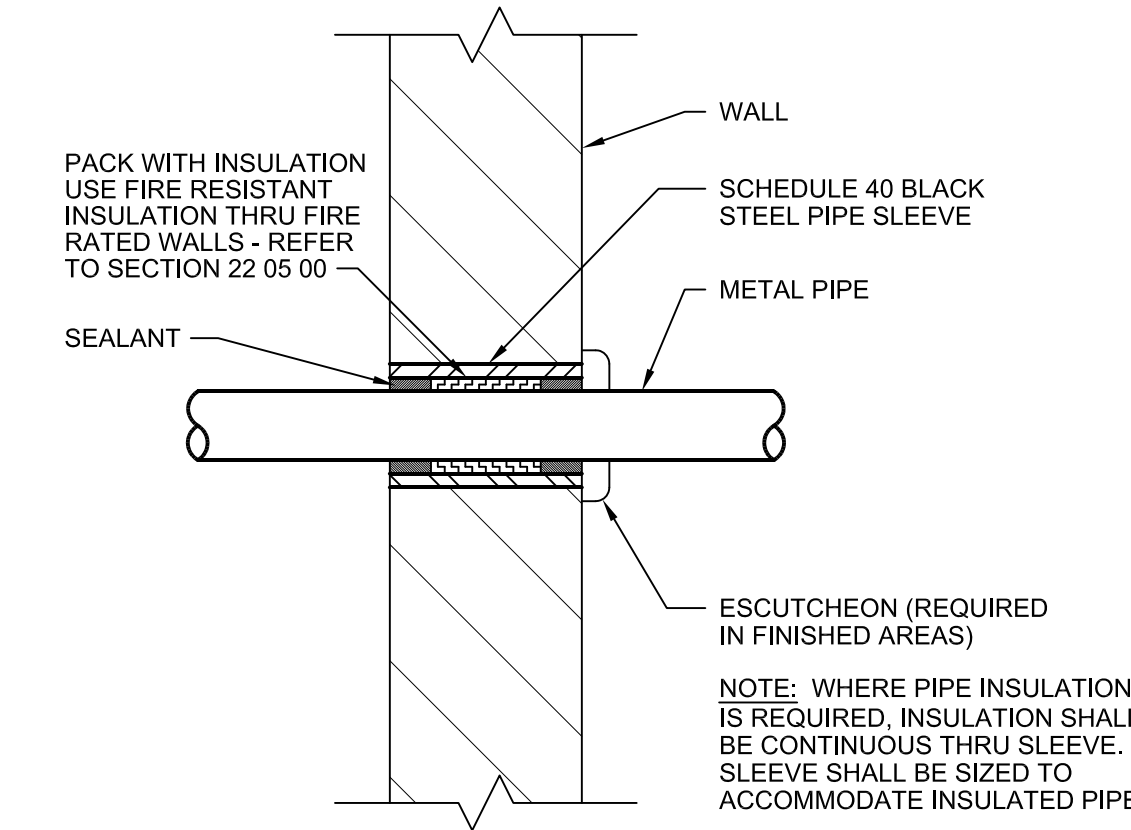




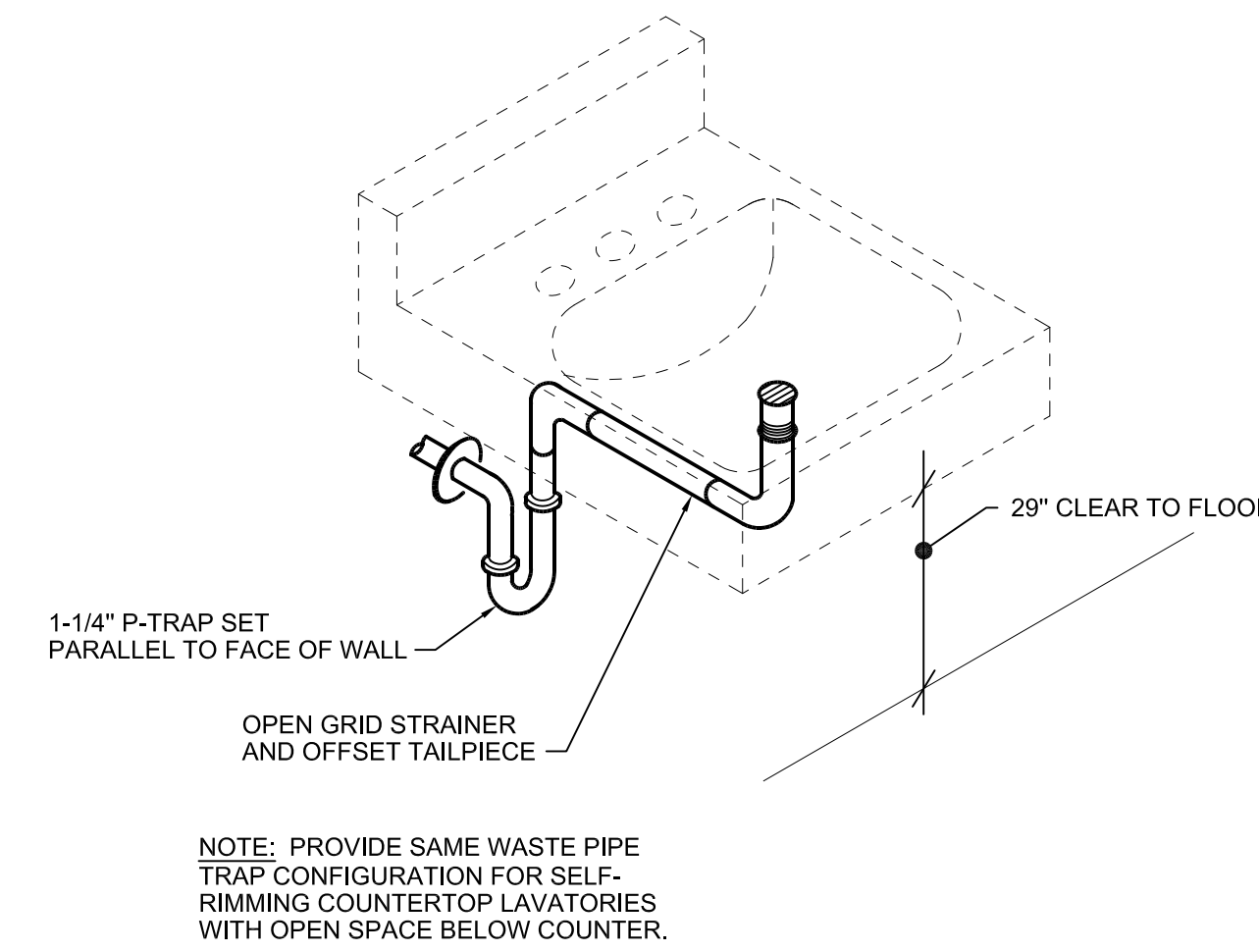
# PLUMBING FIXTURE SCHEDULE

REFER TO SPECIFICATION SECTION 22 40 00 FOR ACCEPTABLE EQUAL MANUFACTURERS

ID	FIXTURE	WASTE			WATER				DETAIL/ SHEET	DESCRIPTION/REMARKS
		DFU	TRAP	VENT (MN)	COLD		HOT			
					CWFU	SIZE	HWFU	SIZE		
L-1	LAVATORY (ADA COMPLIANT)	1	1-1/4"	1-1/2"	0.5	1/2"	0.5	1/2"	2/P000	FIXTURE: KOHLER KINGSTON K-2005 WALL HUNG LAVATORY SINK, WHITE VITREOUS CHINA, THREE FAUCET HOLES ON 2" CENTERS, 21.25" x 18.125" WITH OVERFLOW, ADA COMPLIANT. FAUCET: CHICAGO FAUCETS 2200-4-2200-4KCP MANUAL FAUCET, SINGLE LEVER, SOLID BRASS CONSTRUCTION, CHROME FINISH, CERAMIC CARTRIDGE, 1.5 GPM AERATOR, MOUNTED ON 4" CENTERS, ADA COMPLIANT. TRAP & DRAIN: PRE-WRAPPED OFFSET DRAIN & P-TRAP, WITH GRID STRAINER DRAIN. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
WC-1	WATER CLOSET	6	4"	2"	6.5	1-1/2"	---	---	---	FIXTURE: KOHLER KINGSTON K-4325, WALL HUNG, FLUSH VALVE TOILET, WHITE VITREOUS CHINA, ELONGATED BOWL, 1.6 GPF MAX, 2.25" TRAPWAY, 1-1/2" TOP SPUD. FLUSH VALVE: SLOAN ROYAL 111-1.28 MANUAL FLUSH VALVE, EXPOSED VALVE, CHROME FINISH, 1.28 GPF, FOR 1-1/2" TOP SPUD, 1" SCREWDRIVER ANGLE STOP, RUBBER DIAPHRAGM, ADA COMPLIANT. SEAT: KOHLER LUSTRA K-4670-CA, OPEN FRONT TOILET SEAT, ELONGATED BOWL, INJECTION MOLED, WITH ANTI-MICROBIAL AGENT. SUPPORT: COMMERCIAL GRADE, WALL HUNG WATER CLOSET SUPPORT, STEEL STANCHIONS, IRON WELDED FEET, STEEL SLEEVES, FASTEN TO FLOOR.



1 P000 SLEEVE THRU WALL DETAIL SCALE: NONE



2 P000 BARRIER FREE LAVATORY DETAIL SCALE: NONE

## PLUMBING LEGEND

	EXISTING PIPING TO BE REMOVED/DEMOLISHED
	EXISTING PIPING (SERVICE DESIGNATED)
	SANITARY DRAIN, WASTE OR SEWER (SAN)
	STORM DRAIN CONDUCTOR OR SEWER
	SUBSOIL DRAIN (FOOTING DRAIN)
	VENT (V)
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
	NON-POTABLE COLD WATER
	COMPRESSED AIR
	DOMESTIC WATER SERVICE
	TEE (BRANCH TO SIDE)
	TEE (BRANCH DOWN)
	RISER UP
	RISER DOWN
	CLEANOUT (CO)
	WALL CLEANOUT (WCO)
	FLOOR CLEANOUT (FCO)
	YARD CLEANOUT (YCO)
	DOWNSPOUT NOZZLE (DSN)
	UNION
	FLANGE
	FLOW
	CHECK VALVE
	HOSE BIBB (HB) OR WALL HYDRANT (WH)
	POINT OF CONNECTION (POC)
	CAP
	BALANCING VALVE
	SHUT-OFF VALVE
	PIPE STRAINER
	FIXTURE STOP
	VALVE IN RISER
	THERMOMETER
	PRESSURE GAUGE
	WATER HAMMER ARRESTOR
	RELIEF VALVE
	RPBP - REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	FLOOR DRAIN (FD)
	HUB DRAIN (HD)
	FINISHED FLOOR ELEVATION
	FIXTURE UNITS - DRAINAGE OR SUPPLY (DFU OF WSFU)
	DEMOLITION KEYED NOTE
	NEW WORK KEYED NOTE
	REVISION KEYED NOTE
	TAG FOR CONTINUATION MATCH POINTS

## ABBREVIATIONS

A	COMPRESSED AIR
AFF	ABOVE FINISHED FLOOR
CB	CATCH BASIN
CO	CLEANOUT
CW	COLD WATER
DSN	DOWNSPOUT NOZZLE
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ESEW	EMERGENCY SHOWER/EYEWASH
FCO	FLOOR CLEANOUT
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
HB	HOSE BIBB
HC	HVAC CONTRACTOR
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
IE	INVERT ELEVATION
L	LAVATORY
MB	MOP BASIN
MH	MANHOLE
NPC	NON-POTABLE COLD WATER
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REGULATING VALVE
RPBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
S	SINK
SAN	SANITARY
SD	SUBSOIL DRAIN
SH	SHOWER
ST	STORM
T	TEMPERED WATER
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
W	DOMESTIC WATER SERVICE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WHR	WATER HEATER
YCO	YARD CLEANOUT

## PLUMBING SHEET INDEX

P000	SYMBOLS, ABBREVIATIONS, DETAILS, AND SCHEDULES - PLUMBING
P101	WTS TIPPING FLOOR PLAN DEMOLITION - PLUMBING
P200	UNDERFLOOR PLAN - PLUMBING
P201	CLEAN SWEEP BUILDING - MAIN LEVEL - PLUMBING
P202	WTS NEW TIPPING FLOOR PLAN - PLUMBING

## SCS ENGINEERS

2830 DAIRY DRIVE, MADISON, WI 53718-6751  
PHONE: (608) 224-2830

**JDR**  
ENGINEERING, INC.  
5225 NOBEL DRIVE  
SUITE 110  
MADISON, WI 53711  
ph:608.277.1728 fax:608.271.7046  
JDR Project No. 13042

## CONSTRUCTION AND DEMOLITION WASTE RECYCLING FACILITY 7102 US HIGHWAY 12/18 MADISON, WISCONSIN

DAIRY COUNTY DEPARTMENT OF PUBLIC WORKS  
SOLID WASTE DIVISION  
1919 ALLIANT ENERGY CENTER WAY  
MADISON, WI 53713

## PROCESS AND CIVIL ENGINEER:

SCS ENGINEERS  
2830 DAIRY DRIVE  
MADISON, WI 53718-6751  
(608) 224-2830

## ARCHITECT:

DORSCHNER ASSOCIATES, INC.  
849 E. WASHINGTON AVE., SUITE 112  
MADISON, WI 53703

## STRUCTURAL ENGINEER:

PIERCE ENGINEERS, INC.  
10 WEST MIFFLIN ST., SUITE 205  
MADISON, WI 53703

## MECHANICAL, ELECTRICAL, PLUMBING DESIGN

JDR ENGINEERING, INC.  
5225 NOBEL DRIVE, SUITE 110  
MADISON, WI 53711

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	

## BID DOCUMENTS ISSUED 04/28/15

## SYMBOLS, ABBREVIATIONS, DETAILS, AND SCHEDULES - PLUMBING

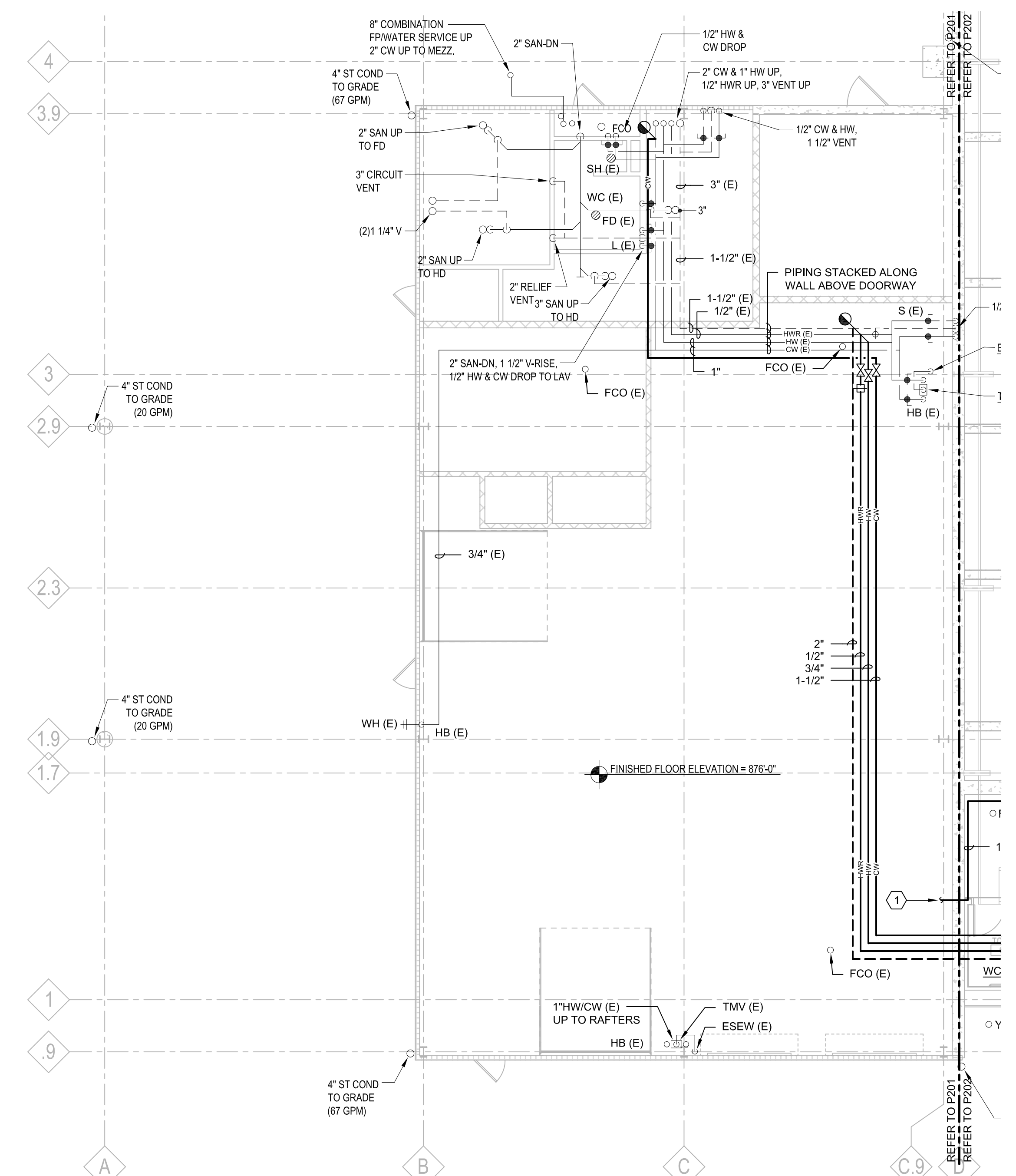
SHEET NUMBER

**P000**









**1 CLEAN SWEEP BUILDING - MAIN LEVEL- PLUMBING**  
SCALE: 1/8\"/>

**GENERAL NOTES:**

- 1. PC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE AE IMMEDIATELY PRIOR TO COMMENCING WORK.

**KEYED NOTES:**

- (1) CONNECT 1\"/>

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	

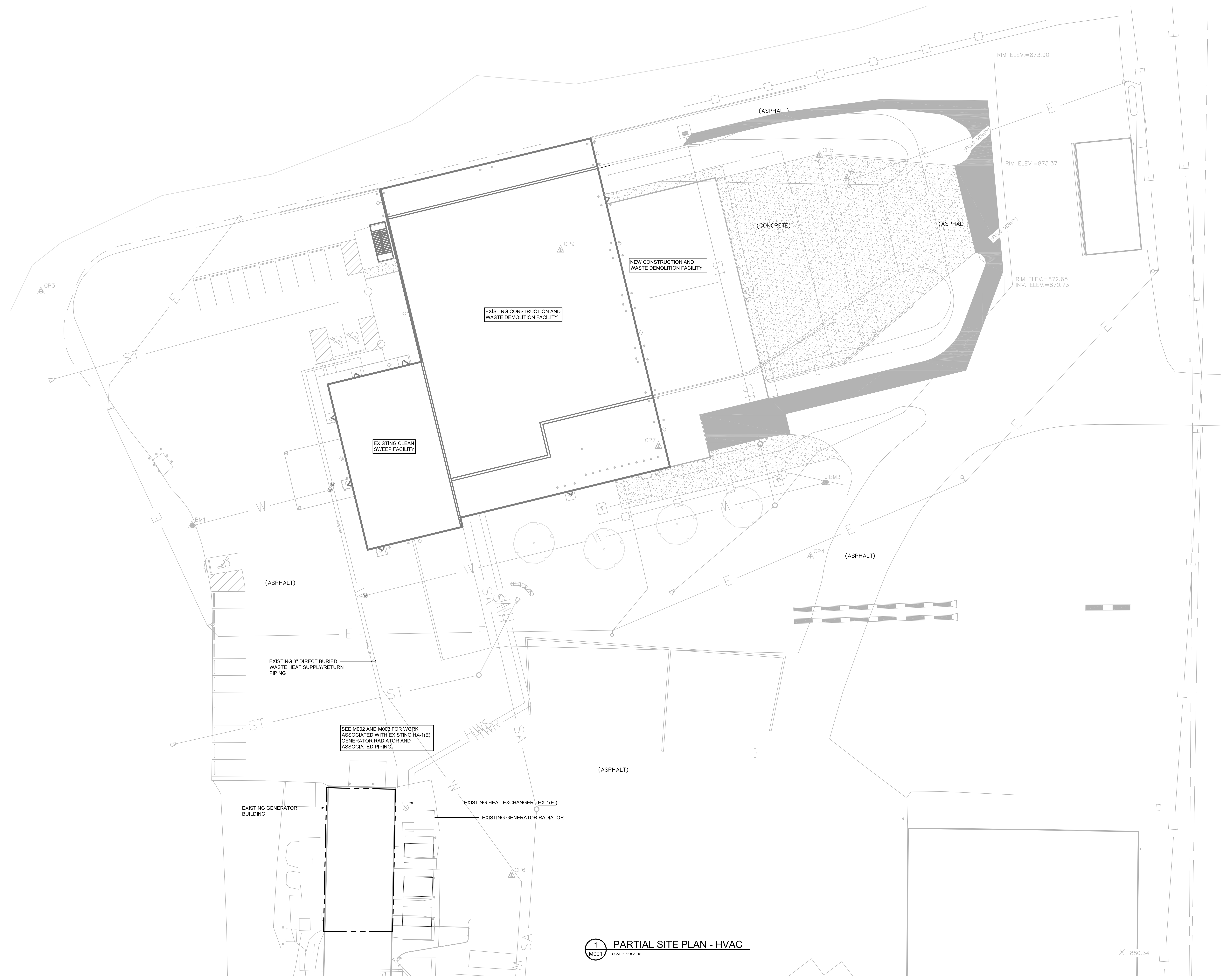
**BID DOCUMENTS**  
**ISSUED 04/28/15**

**CLEAN SWEEP BUILDING - MAIN LEVEL - PLUMBING**

SHEET NUMBER  
**P201**







**1 PARTIAL SITE PLAN - HVAC**  
 M001 SCALE: 1" = 20'-0"

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	



**CONSTRUCTION AND  
 DEMOLITION WASTE  
 RECYCLING FACILITY  
 7102 US HWY 12/18  
 MADISON, WISCONSIN**

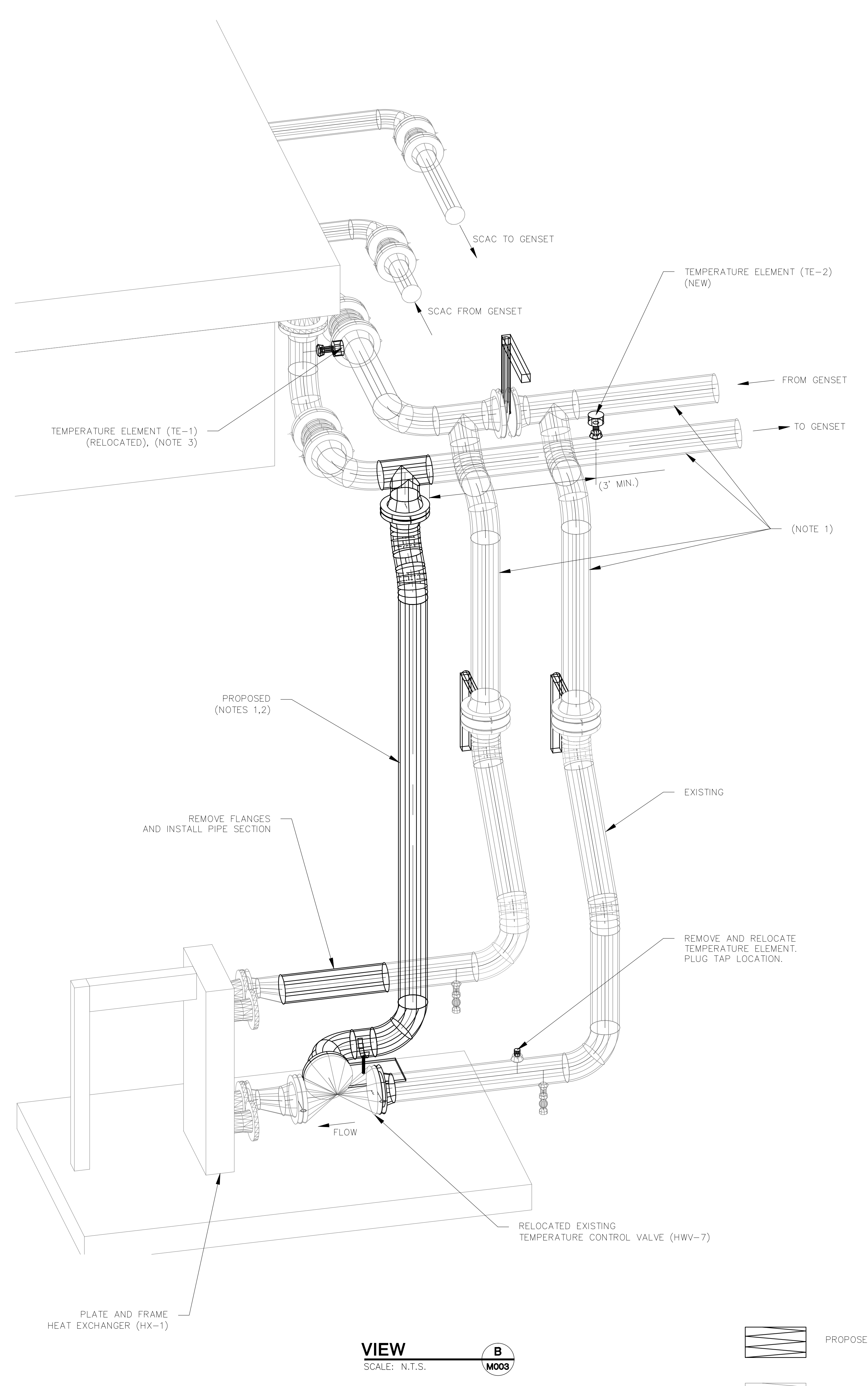
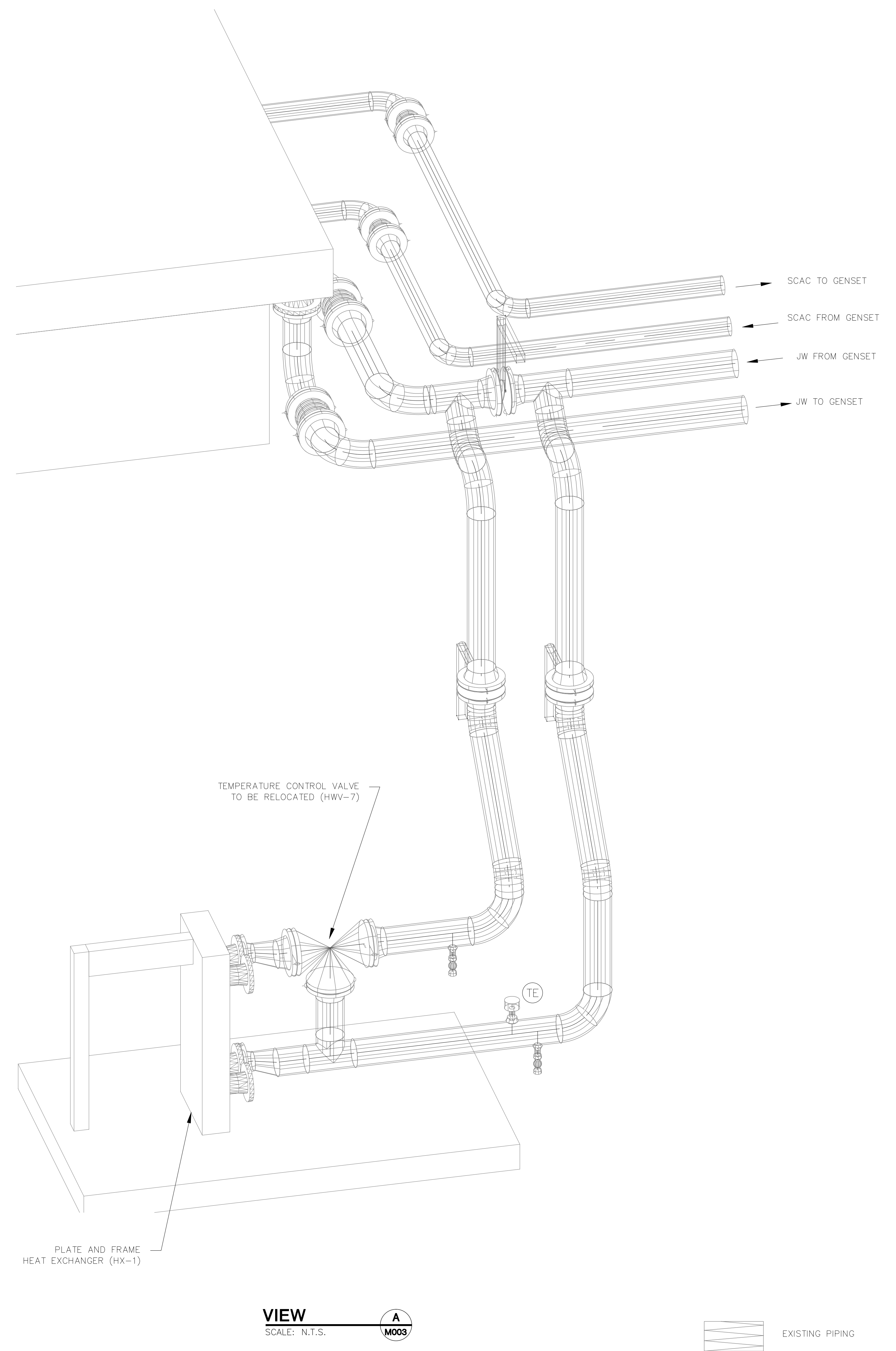
DANE COUNTY DEPARTMENT OF  
 PUBLIC WORKS  
 SOLID WASTE DIVISION  
 1919 ALLIANT ENERGY CENTER WAY  
 MADISON, WI 53713

**PROCESS AND CIVIL ENGINEER:**  
 SCS ENGINEERS  
 2830 DAIRY DRIVE  
 MADISON, WI 53718-6751  
 (608) 224-2830

**ARCHITECT:**  
 DÜRSCHNER ASSOCIATES, INC.  
 849 E. WASHINGTON AVE., SUITE 112  
 MADISON, WI 53703

**STRUCTURAL ENGINEER:**  
 PIERCE ENGINEERS, INC.  
 10 WEST MIFFLIN ST., SUITE 205  
 MADISON, WI 53703

**MECHANICAL, ELECTRIC, PLUMBING  
 DESIGN:**  
 JDR ENGINEERING, INC.  
 5525 NOBEL DRIVE, SUITE 110  
 MADISON, WI 53711



- NOTES:**
1. INSULATE ALL PIPE TO MATCH EXISTING.
  2. PIPE AND FITTINGS TO BE SCH 40 CS. MATCH EXISTING PIPE DIAMETER.
  3. FIELD VERIFY THERMOCOUPLE EXTENSION WIRE (TEW), MATCH EXISTING. PROVIDE CONTINUOUS LENGTH OF TEW FROM TEMPERATURE ELEMENT TO VALVE. CONDUIT TO BE RIGID GALVANIZED STEEL.

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	01/22/15
REVISED:	04/24/15
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

**BID DOCUMENTS  
 ISSUED 04/28/15**

**JACKET WATER AND  
 SCAC PIPING**

SHEET NUMBER  
**M003**









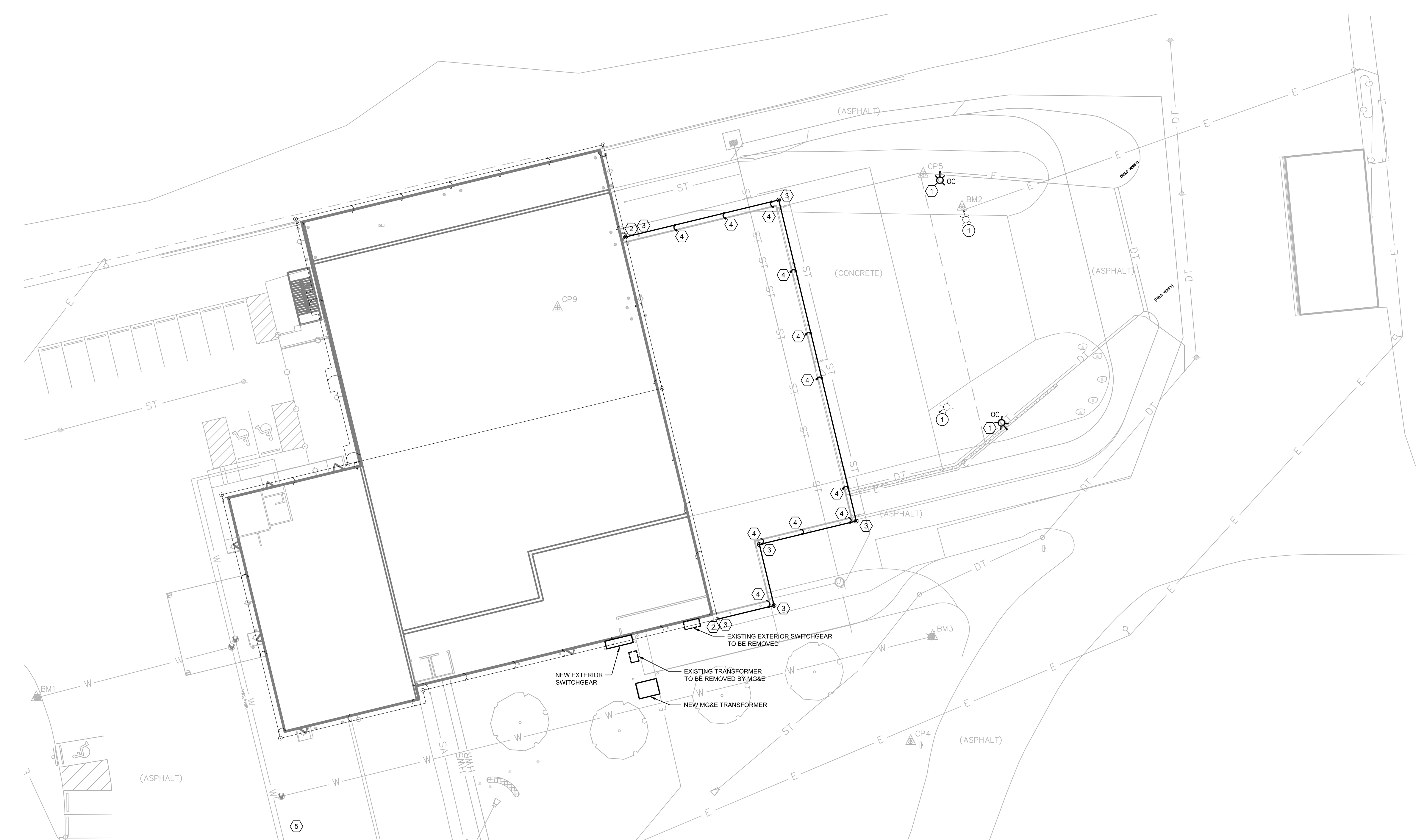






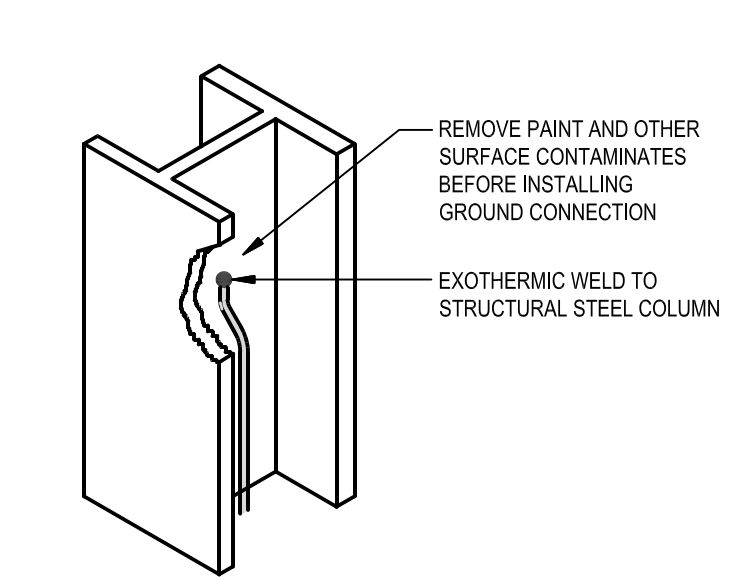




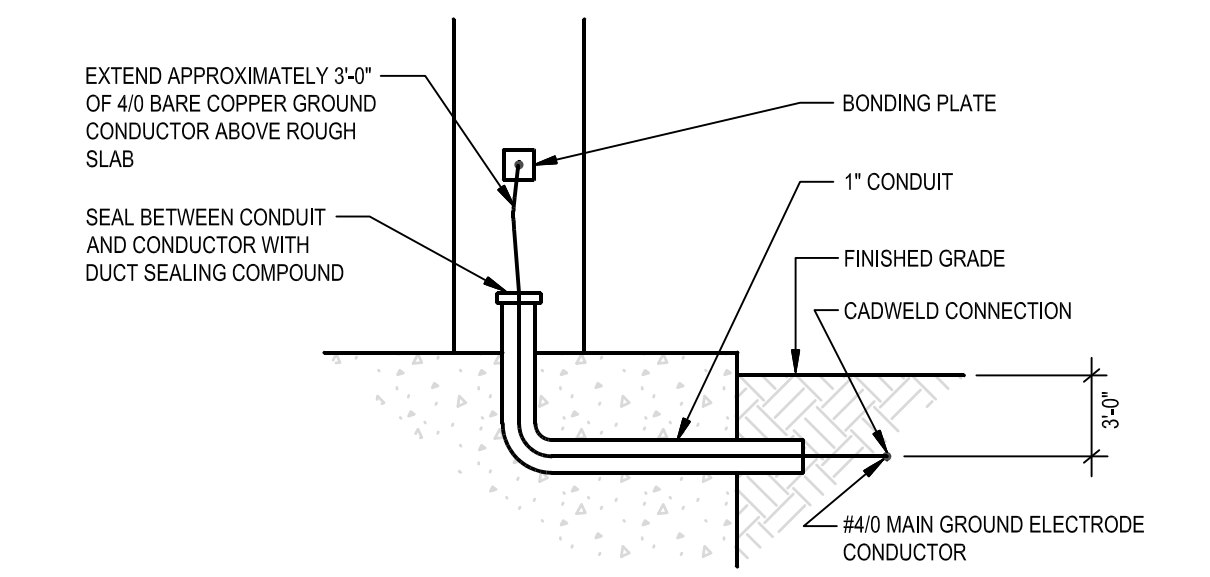


**1 SITE PLAN - ELECTRICAL**  
 SCALE: 1"=20'-0"  
 NORTH

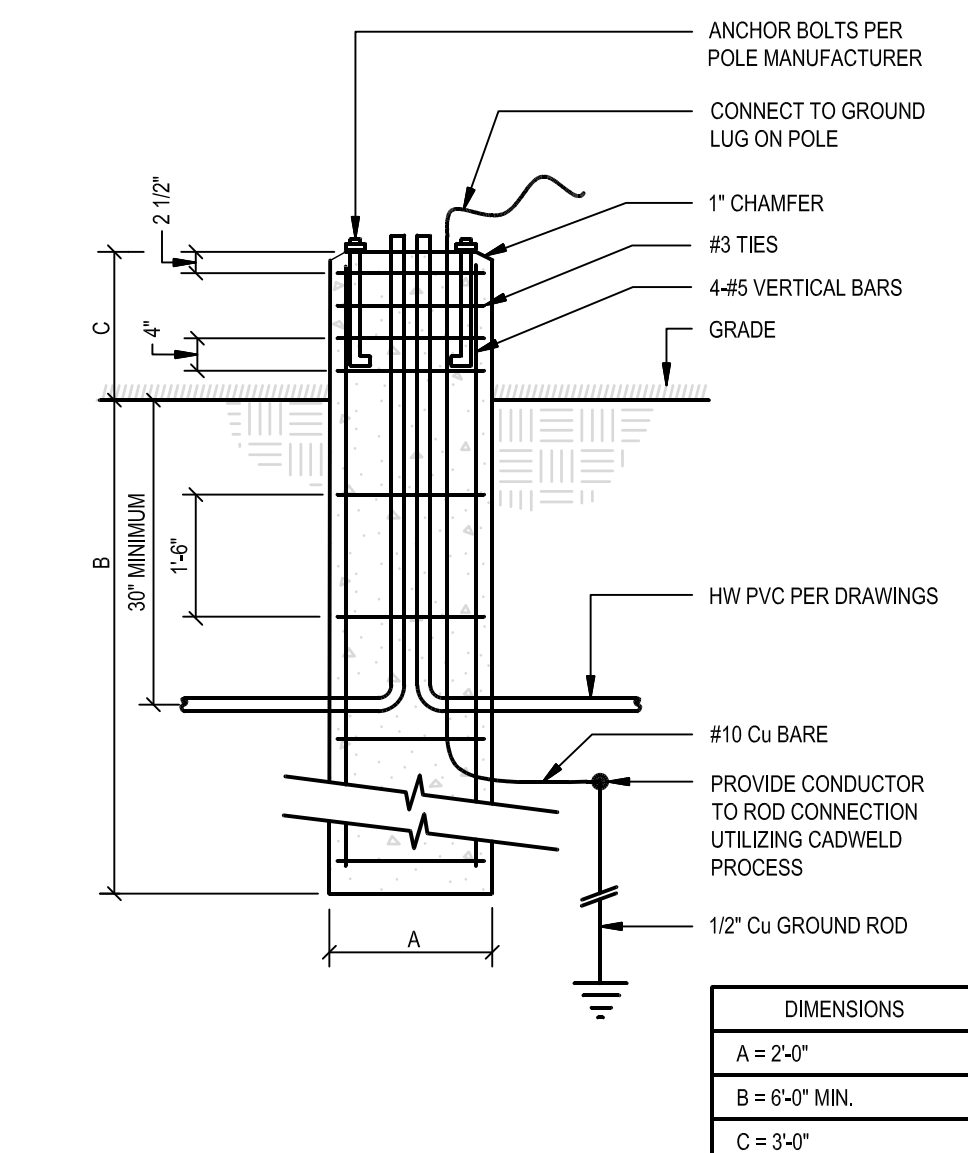
- GENERAL NOTES:**
- ALL GROUND ELECTRODE COMPONENTS TO BE COPPER.
  - ALL GROUND ELECTRODE CONNECTIONS TO BE EXOTHERMIC WELDS.
- DEMOLITION KEYED NOTES:**
- EXISTING TYPE OC LIGHT POLE TO BE RELOCATED. INTERCEPT EXISTING UNDERGROUND WIRING AND REROUTE THROUGH NEW POLE BASE. DEMO EXISTING POLE BASE.
- NEW WORK KEYED NOTES:**
- PROVIDE NEW POLE BASE FOR RELOCATED TYPE OC LIGHT POLE. SEE DETAILS 2/E001 AND 3/E001. PROVIDE NEW TYPE OC FIXTURE. RECONNECT TO EXISTING SITE LIGHTING CIRCUIT.
  - EXTEND EXISTING 4/0 BARE GROUND ELECTRODE RING AROUND NEW ADDITION. GROUND ELECTRODE RING TO BE MORE THAN 1" BELOW FINISHED GRADE AND NOT LESS THAN 2' FROM BUILDING.
  - COPPER GROUND ROD (TYPICAL)
  - BOND TO BUILDING STEEL. SEE DETAILS 4/E001 AND 5/E001 (TYPICAL).
  - SEE KEYED NOTE 2 ON SHEET M002 FOR ADDITION WORK BY EC TO BE COMPLETED IN GENERATOR BUILDING.



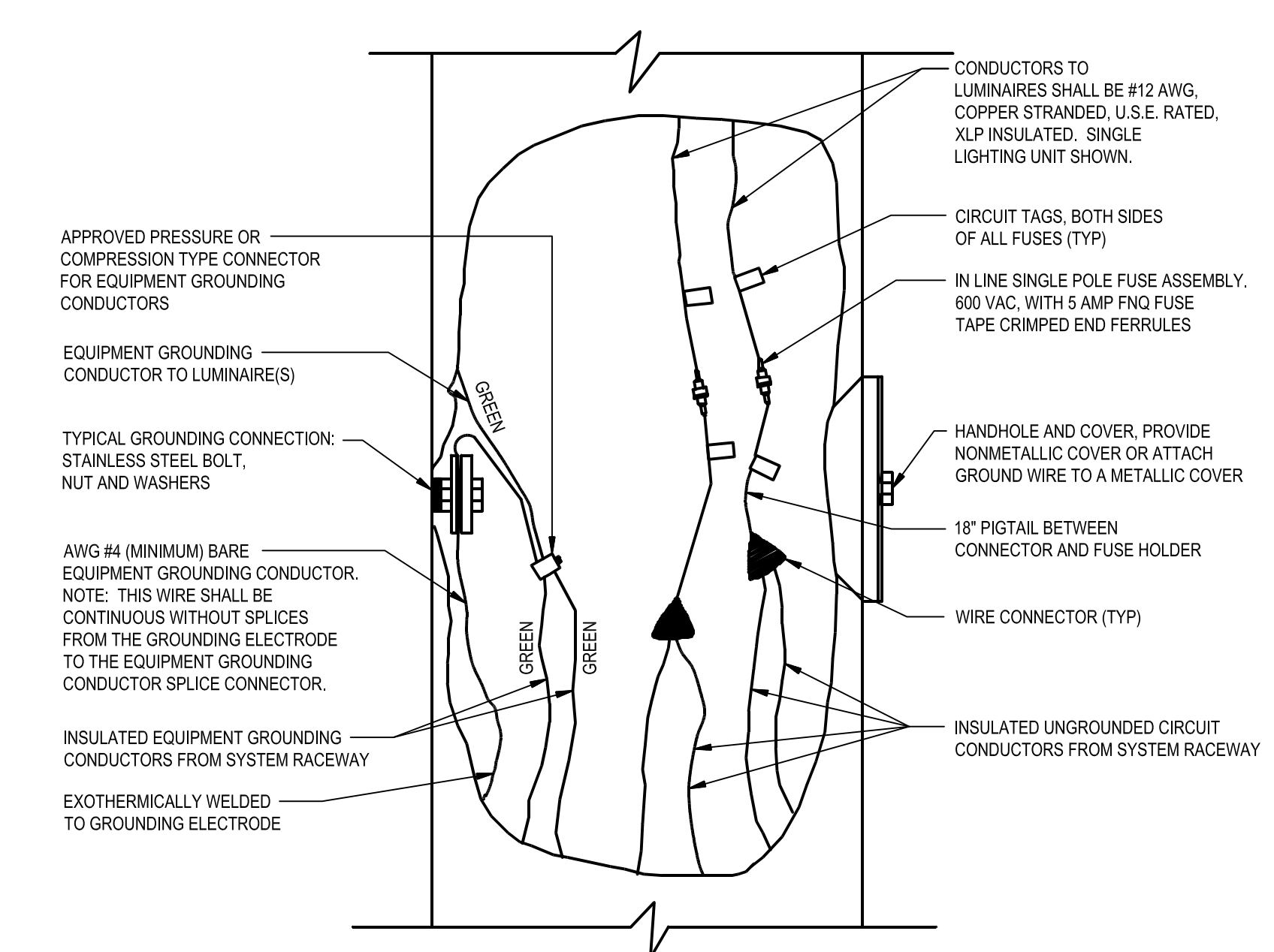
**5 GROUND CONNECTION DETAIL**  
 SCALE: NOT TO SCALE



**4 METAL BUILDING GROUND CONNECTION DETAIL**  
 SCALE: NOT TO SCALE



**3 FIXTURE TYPE "OC" POLE BASE DETAIL**  
 SCALE: NOT TO SCALE



**2 POLE WIRING DETAIL**  
 SCALE: NOT TO SCALE

REVISION	DATE	BY	TITLE

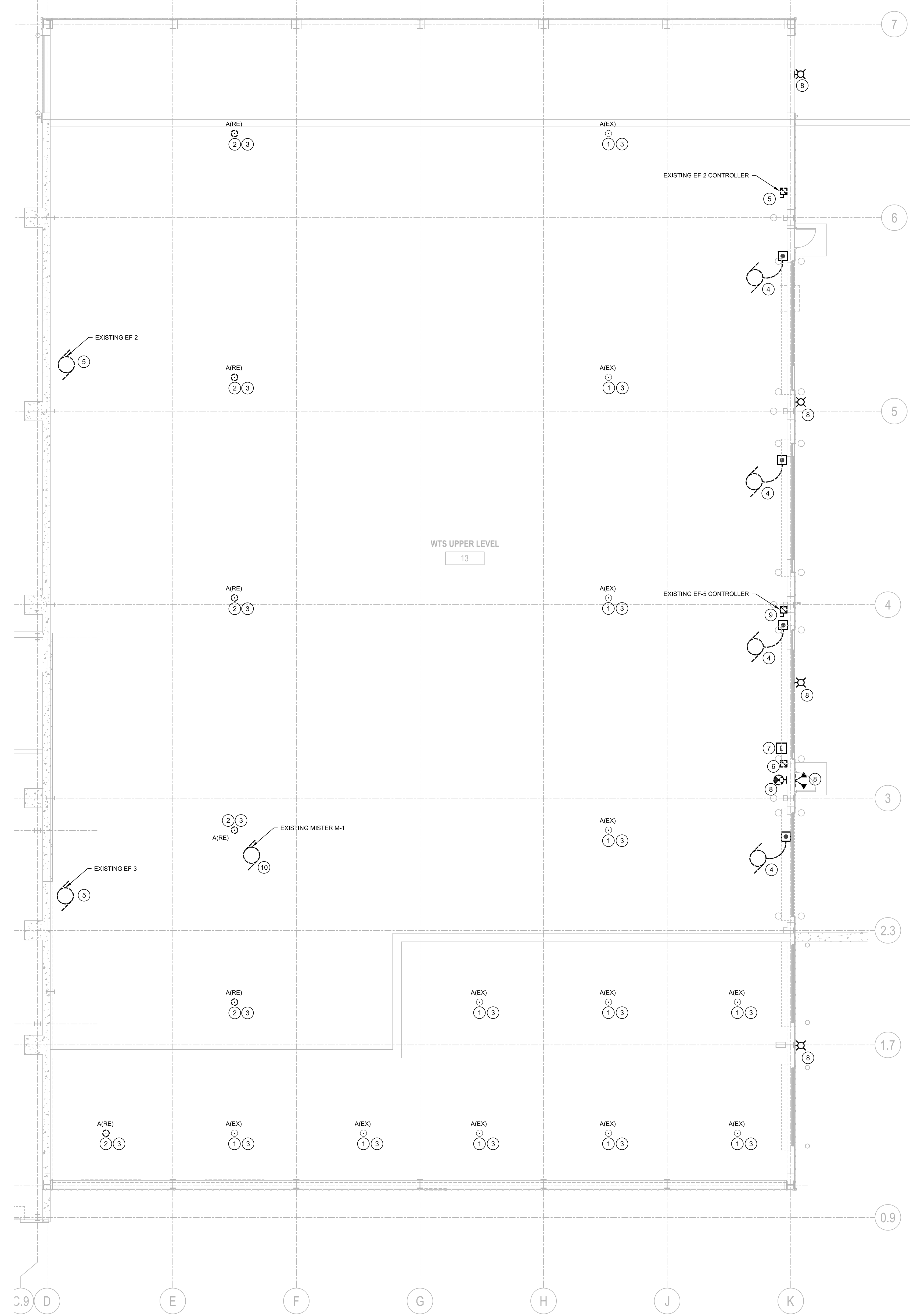
PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	

**BID DOCUMENTS**  
 ISSUED 04/28/15

**SITE PLAN - ELECTRICAL**

SHEET NUMBER  
**E001**





- GENERAL NOTES:**
1. REMOVE ALL ASSOCIATED WIRING COMPONENTS RELATED TO ITEMS DESIGNATED FOR DEMOLITION.
  2. EXPOSED BRANCH CIRCUIT WIRING OR FEEDERS RELATED TO ITEMS DESIGNATED FOR DEMOLITION TO BE REMOVED BACK TO SOURCE.
  3. LABEL PANEL DIRECTORIES TO REFLECT ALL REVISIONS.

- KEYED NOTES:**
- 1 EXISTING LIGHT FIXTURE TO REMAIN IN PLACE. E.C. TO CLEAN AND RE-LAMP.
  - 2 EXISTING LIGHT FIXTURE TO BE REMOVED AND REUSED IN NEW LOCATION. E.C. TO CLEAN AND RE-LAMP.
  - 3 UNDER ALTERNATE BID #6, LIGHT FIXTURE TO BE REMOVED.
  - 4 REMOVE WIRING TO EXISTING OVERHEAD DOOR OPERATOR CONTROLLER.
  - 5 REMOVE WIRING TO EXISTING HVAC EQUIPMENT AND CONTROLLER.
  - 6 RELOCATE EXISTING FIRE ALARM MANUAL STATION AS REQUIRED.
  - 7 RELOCATE EXISTING LIGHTING CONTROL STATION.
  - 8 REMOVE EXISTING FIXTURE.
  - 9 EXISTING CONTROLLER TO BE RELOCATED
  - 10 EXISTING MISTER M-1 TO BE RELOCATED

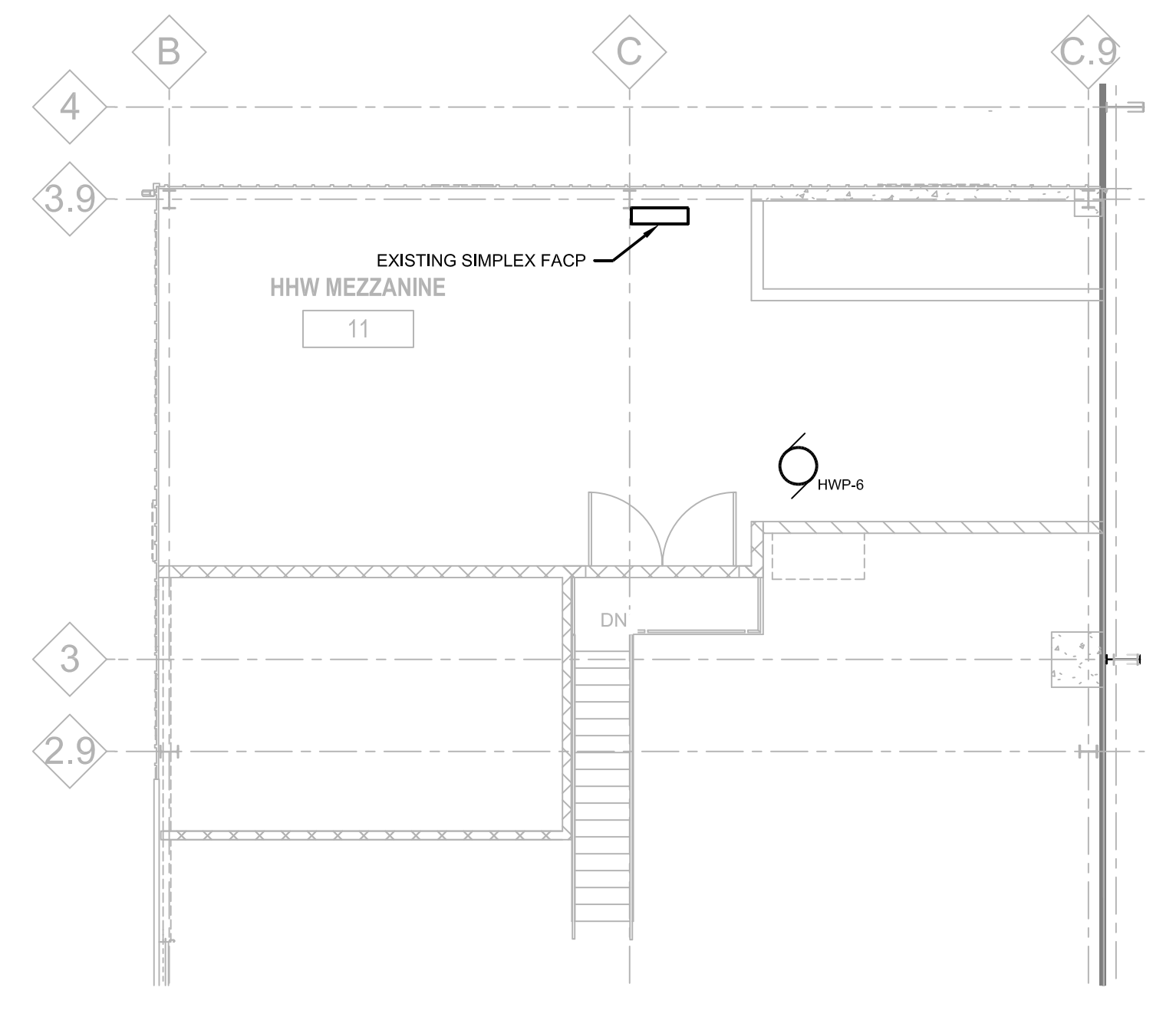
REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	

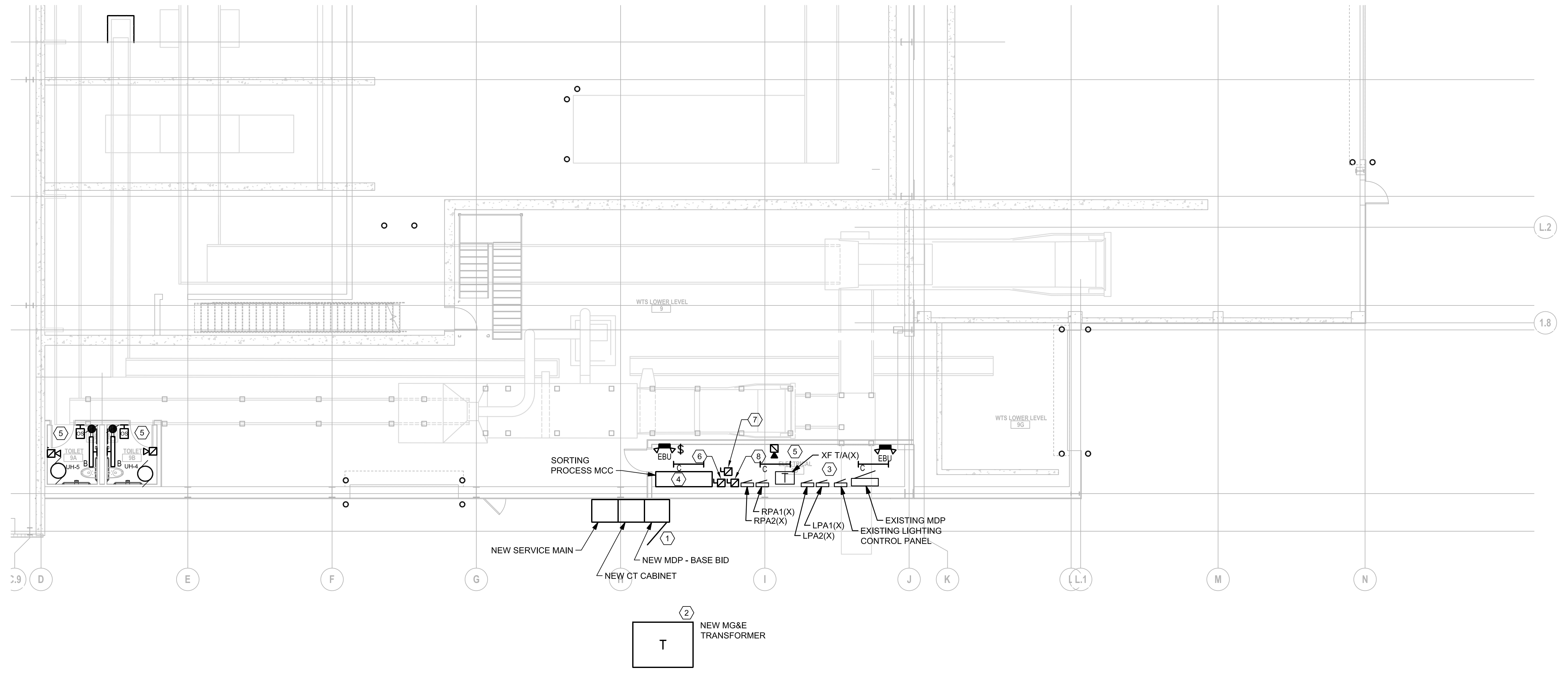
**BID DOCUMENTS**  
**ISSUED 04/28/15**

**WTS UPPER LEVEL FLOOR PLAN - DEMOLITION - ELECTRICAL**

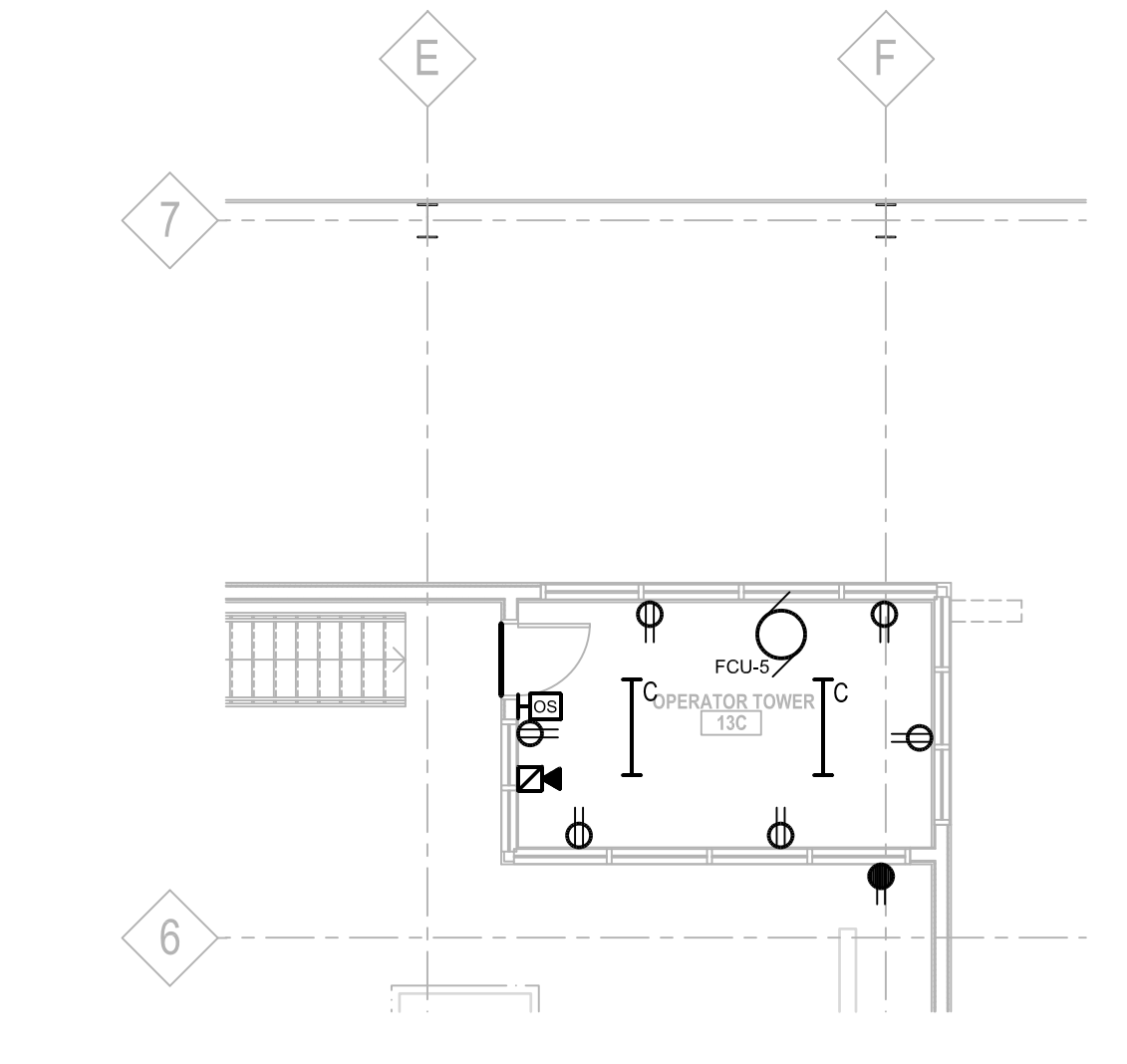
SHEET NUMBER  
**E101**



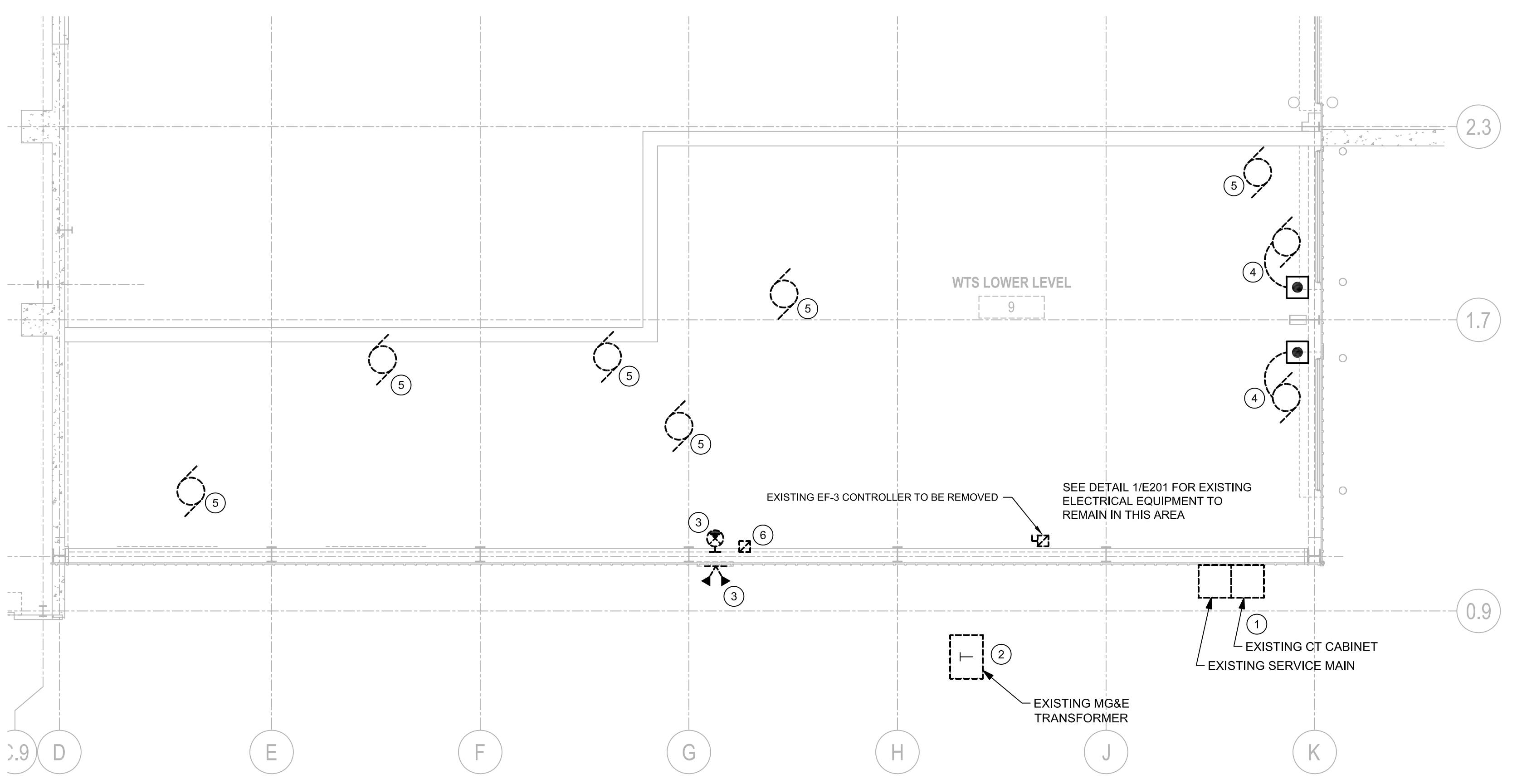
**3 EXISTING MECHANICAL ROOM - NEW ELECTRICAL**  
 E201 SCALE: 1/8"=1'-0"  
 NORTH



**1 WTS LOWER LEVEL PARTIAL FLOOR PLAN - ELECTRICAL**  
 E201 SCALE: 1/8"=1'-0"  
 NORTH



**4 CONTROL TOWER - NEW ELECTRICAL**  
 E201 SCALE: 1/8"=1'-0"  
 NORTH



**2 WTS LOWER LEVEL PARTIAL FLOOR PLAN - DEMOLITION**  
 E201 SCALE: 1/8"=1'-0"  
 NORTH

**GENERAL NOTES:**

1. REMOVE ALL ASSOCIATED WIRING COMPONENTS RELATED TO ITEMS DESIGNATED FOR DEMOLITION.
2. EXPOSED BRANCH CIRCUIT WIRING OR FEEDERS RELATED TO ITEMS DESIGNATED FOR DEMOLITION TO BE REMOVED BACK TO SOURCE.
3. LABEL PANEL DIRECTORIES TO REFLECT ALL REVISIONS.
4. EC TO RELOCATE AND/OR ADD FIRE ALARM SYSTEM ANNUNCIATION DEVICES AS REQUIRED TO MEET AUDIBLE AND VISUAL REQUIREMENTS OF NFPA 72 AND CITY OF MADISON CODES IN ADDITION TO DEVICES INDICATED ON DRAWING. PROVIDE ALL REQUIRED SYSTEM COMPONENTS. COORDINATE DEVICE LOCATIONS WITH NEW PROCESS EQUIPMENT. REVISIONS TO THE EXISTING SIMPLEX FIRE ALARM SYSTEM ARE TO BE SUBMITTED TO THE LOCAL AHJ FOR APPROVAL.

**DEMOLITION KEYED NOTES:**

- 1 EXISTING SERVICE MAIN DISCONNECT AND CT CABINET TO BE DISCONNECTED AND REMOVED AFTER NEW SERVICE IS ENERGIZED. COORDINATE SERVICE SHUT-DOWN WITH MG&E AND OWNER. SCHEDULE SHUT-DOWN TO MINIMIZE DISRUPTION OF NORMAL OPERATION.
- 2 EC TO REMOVE EXISTING TRANSFORMER PAD AFTER REMOVAL OF TRANSFORMER BY MG&E.
- 3 EXISTING FIXTURE TO BE REMOVED
- 4 REMOVE WIRING TO EXISTING OVERHEAD DOOR OPERATOR AND CONTROLLER.
- 5 REMOVE WIRING TO EXISTING PROCESS EQUIPMENT.
- 6 RELOCATE EXISTING FIRE ALARM MANUAL STATION AS REQUIRED.

**NEW WORK KEYED NOTES:**

- 1 PROVIDE NEW SERVICE MAIN DISCONNECT, CT CABINET AND MAIN DISTRIBUTION PANEL. EQUIPMENT SHALL BE IN NEMA-4 ENCLOSURES. PROVIDE CONCRETE EQUIPMENT PAD FOR NEW EQUIPMENT. SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 2 PROVIDE SERVICE ENTRANCE PER MG&E REQUIREMENTS. COORDINATE EXACT LOCATION OF TRANSFORMER PAD FOR NEW MG&E TRANSFORMER WITH MG&E AND LOCATION OF PROCESS COMPONENTS ON THE SITE.
- 3 RE-FEED EXISTING MDP FROM NEW MDP. EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT IN THIS ROOM TO REMAIN AND BE REUSED.
- 4 NEW SORTING PROCESS MOTOR CONTROL CENTER TO BE FURNISHED BY PROCESS EQUIPMENT CONTRACTOR. EC TO INSTALL MCC AND FEEDER FROM NEW MDP. ALL WIRING FROM MCC TO PROCESS EQUIPMENT TO BE INSTALLED BY PROCESS EQUIPMENT CONTRACTOR.
- 5 CONNECT NEW LIGHT FIXTURES TO EXISTING UNSWITCHED LIGHTING CIRCUIT SERVING THE AREA. CONNECT RECEPTACLES TO SPARE BREAKER IN PANEL RPA2(X).
- 6 EXISTING EF-4 CONTROLLER TO REMAIN.
- 7 NEW EF-11 CONTROLLER LOCATION.
- 8 RELOCATED EF-5 CONTROLLER LOCATION.

REVISION	DATE	BY	TITLE

PROJECT NO.	25214236.00
DRAWN:	04/28/15
REVISED:	04/28/15
DRAWN BY:	JDR
CHECKED BY:	JDR
APPROVED BY:	

**BID DOCUMENTS**  
 ISSUED 04/28/15

**PARTIAL FLOOR PLANS - ELECTRICAL**

SHEET NUMBER  
**E201**





### NEW MDP - ALTERNATE 4B

ROOM	OUTDOORS	VOLTS	480Y/277V 3P 4W	AIC	65,000			
MOUNTING	FLOOR	BUS AMPS	2500	MAIN BKR	MLO			
FED FROM	NEW CT CABINET	NEUTRAL	100%	LUGS	STANDARD			
NOTE								
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS		
			A	B	C			
1	800/3	SWITCHBOARD EXISTING MDP	52.5	52.6	52.5	(3)3" C, 3#300kcmil, #300kcmil N, #1/0G		
2	600/3	MCC SORTING PROCESS MCC	130	130	130	(2)2-1/2" C, 3#350kcmil, #1G		
3	1200/3	MCC WOOD GRINDER MCC	230	230	230	(3)3" C, 3#600kcmil, #3/0G		
4	400/3	SPACE	0	0	0			
5	400/3	SPACE	0	0	0			
6	60/3	SPD	0	0	0			
TOTAL CONNECTED KVA BY PHASE			413	413	413			
CONN KVA			CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0	0	(125%)	CONTINUOUS	10	12.5	(125%)	
LARGEST MOTOR	690	863	(125%)	HEATING	0	0	(N/A)	
OTHER MOTORS	417	417	(100%)	COOLING	0	0	(N/A)	
RECEPTACLES	0	0	(50%+10)	NONCONTINUOUS	0	0	(100%)	
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)	
			METERED DEMAND			270	338	(125%)
			TOTAL KVA			1,480	1,720	
			BALANCED 3-PHASE AMPS			2,070		

### FAULT CURRENT SCHEDULE - ALTERNATE 4B

DEVICE	FAULT	AIC RATING	L-N VOLTS	UTILITY	FED FROM		FEEDER
					DEVICE	FAULT	
				FAULT	DEVICE	FAULT	SIZE
NEW MG&E TRANSFORMER	70,227	100,000	277V	65,000			
NEW SERVICE MAIN	66,167	100,000	277V	60,911	NEW MG&E TRANSFORMER	65,000	(6)#600kcmil
NEW CT CABINET	65,834	100,000	277V	60,576	NEW SERVICE MAIN	60,911	(6)#600kcmil
NEW MDP - ALTERNATE 4B	64,919	65,000	277V	59,654	NEW CT CABINET	60,576	(6)#600kcmil
EXISTING MDP	54,624	65,000	277V	50,829	NEW MDP - ALTERNATE 4B	59,654	(3)#300kcmil
LPA1(X)	41,237	42,000	277V	39,114	EXISTING MDP	50,829	#3
LPA2(X)	37,692	42,000	277V	35,931	LPA1(X)	39,114	#3
XF T/A(X)	10,601	22,000	120V	10,529	EXISTING MDP	50,829	#1
RPA1(X)	10,550	22,000	120V	10,478	XF T/A(X)	10,529	#600kcmil
RPA2(X)	10,470	22,000	120V	10,399	RPA1(X)	10,478	#600kcmil
SORTING PROCESS MCC	62,510	65,000	277V	57,496	NEW MDP - ALTERNATE 4B	59,654	(2)#350kcmil
WOOD GRINDER MCC	49,746	65,000	277V	45,286	NEW MDP - ALTERNATE 4B	59,654	(3)#600kcmil

### NEW MDP - ALTERNATE 4A

ROOM	OUTDOORS	VOLTS	480Y/277V 3P 4W	AIC	65,000			
MOUNTING	FLOOR	BUS AMPS	2500	MAIN BKR	MLO			
FED FROM	NEW CT CABINET	NEUTRAL	100%	LUGS	STANDARD			
NOTE								
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS		
			A	B	C			
1	800/3	SWITCHBOARD EXISTING MDP	52.5	52.6	52.5	(3)3" C, 3#300kcmil, #300kcmil N, #1/0G		
2	600/3	MCC SORTING PROCESS MCC	130	130	130	(2)2-1/2" C, 3#350kcmil, #1G		
3	1000/3	MCC WOOD GRINDER MCC	164	164	164	(3)3" C, 3#600kcmil, #2/0G		
4	400/3	SPACE	0	0	0			
5	400/3	SPACE	0	0	0			
6	600/3	SPD	0	0	0			
TOTAL CONNECTED KVA BY PHASE			346	346	346			
CONN KVA			CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0	0	(125%)	CONTINUOUS	10	12.5	(125%)	
LARGEST MOTOR	491	613	(125%)	HEATING	0	0	(N/A)	
OTHER MOTORS	417	417	(100%)	COOLING	0	0	(N/A)	
RECEPTACLES	0	0	(50%+10)	NONCONTINUOUS	0	0	(100%)	
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)	
			METERED DEMAND			270	338	(125%)
			TOTAL KVA			1,280	1,470	
			BALANCED 3-PHASE AMPS			1,770		

### FAULT CURRENT SCHEDULE - ALTERNATE 4A

DEVICE	FAULT	AIC RATING	L-N VOLTS	UTILITY	FED FROM		FEEDER
					DEVICE	FAULT	
				FAULT	DEVICE	FAULT	SIZE
NEW MG&E TRANSFORMER	69,306	100,000	277V	65,000			
NEW SERVICE MAIN	65,236	100,000	277V	60,911	NEW MG&E TRANSFORMER	65,000	(6)#600kcmil
NEW CT CABINET	64,903	100,000	277V	60,576	NEW SERVICE MAIN	60,911	(6)#600kcmil
NEW MDP - ALTERNATE 4A	63,986	65,000	277V	59,654	NEW CT CABINET	60,576	(6)#600kcmil
EXISTING MDP	53,967	65,000	277V	50,829	NEW MDP - ALTERNATE 4A	59,654	(3)#300kcmil
LPA1(X)	40,890	42,000	277V	39,114	EXISTING MDP	50,829	#3
LPA2(X)	37,411	42,000	277V	35,931	LPA1(X)	39,114	#3
XF T/A(X)	10,590	22,000	120V	10,529	EXISTING MDP	50,829	#1
RPA1(X)	10,539	22,000	120V	10,478	XF T/A(X)	10,529	#600kcmil
RPA2(X)	10,459	22,000	120V	10,399	RPA1(X)	10,478	#600kcmil
SORTING PROCESS MCC	61,646	65,000	277V	57,496	NEW MDP - ALTERNATE 4A	59,654	(2)#350kcmil
WOOD GRINDER MCC	47,717	65,000	277V	44,275	NEW MDP - ALTERNATE 4A	59,654	(3)#400kcmil

### NEW MDP - BASE BID

ROOM	OUTDOORS	VOLTS	480Y/277V 3P 4W	AIC	65,000			
MOUNTING	FLOOR	BUS AMPS	2500	MAIN BKR	MLO			
FED FROM	NEW CT CABINET	NEUTRAL	100%	LUGS	STANDARD			
NOTE								
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS		
			A	B	C			
1	800/3	SWITCHBOARD EXISTING MDP	52.5	52.6	52.5	(3)3" C, 3#300kcmil, #300kcmil N, #1/0G		
2	600/3	MCC SORTING PROCESS MCC	130	130	130	(2)2-1/2" C, 3#350kcmil, #1G		
3	600/3	MCC WOOD GRINDER MCC	115	115	115	(2)2-1/2" C, 3#350kcmil, #1G		
4	400/3	SPACE	0	0	0			
5	400/3	SPACE	0	0	0			
6	60/3	SPD	0	0	0			
TOTAL CONNECTED KVA BY PHASE			297	298	297			
CONN KVA			CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0	0	(125%)	CONTINUOUS	10	12.5	(125%)	
LARGEST MOTOR	344	430	(125%)	HEATING	0	0	(N/A)	
OTHER MOTORS	417	417	(100%)	COOLING	0	0	(N/A)	
RECEPTACLES	0	0	(50%+10)	NONCONTINUOUS	0	0	(100%)	
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)	
			METERED DEMAND			270	338	(125%)
			TOTAL KVA			1,140	1,290	
			BALANCED 3-PHASE AMPS			1,550		

### FAULT CURRENT SCHEDULE - BASE BID

DEVICE	FAULT	AIC RATING	L-N VOLTS	UTILITY	FED FROM		FEEDER
					DEVICE	FAULT	
				FAULT	DEVICE	FAULT	SIZE
NEW MG&E TRANSFORMER	68,617	100,000	277V	65,000			
NEW SERVICE MAIN	64,542	100,000	277V	60,911	NEW MG&E TRANSFORMER	65,000	(6)#600kcmil
NEW CT CABINET	64,208	100,000	277V	60,576	NEW SERVICE MAIN	60,911	(6)#600kcmil
NEW MDP - BASE BID	63,289	65,000	277V	59,654	NEW CT CABINET	60,576	(6)#600kcmil
EXISTING MDP	53,475	65,000	277V	50,829	NEW MDP - BASE BID	59,654	(3)#300kcmil
LPA1(X)	40,628	42,000	277V	39,114	EXISTING MDP	50,829	#3
LPA2(X)	37,198	42,000	277V	35,931	LPA1(X)	39,114	#3
XF T/A(X)	10,582	22,000	120V	10,529	EXISTING MDP	50,829	#1
RPA1(X)	10,531	22,000	120V	10,478	XF T/A(X)	10,529	#600kcmil
RPA2(X)	10,451	22,000	120V	10,399	RPA1(X)	10,478	#600kcmil
SORTING PROCESS MCC	61,001	65,000	277V	57,496	NEW MDP - BASE BID	59,654	(2)#350kcmil
WOOD GRINDER MCC	40,998	65,000	277V	38,536	NEW MDP - BASE BID	59,654	(2)#350kcmil

### NEW MDP - ALTERNATE 6

ROOM	OUTDOORS	VOLTS	480Y/277V 3P 4W	AIC	65,000			
MOUNTING	FLOOR	BUS AMPS	2000	MAIN BKR	MLO			
FED FROM	NEW CT CABINET	NEUTRAL	100%	LUGS	STANDARD			
NOTE								
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS		
			A	B	C			
1	800/3	SWITCHBOARD EXISTING MDP	52.5	52.6	52.5	(3)3" C, 3#300kcmil, #300kcmil N, #1/0G		
2	600/3	MCC SORTING PROCESS MCC	130	130	130	(2)2-1/2" C, 3#350kcmil, #1G		
3	600/3	MCC WOOD GRINDER MCC	115	115	115	(2)2-1/2" C, 3#350kcmil, #1G		
4	400/3	SPACE	0	0	0			
5	400/3	SPACE	0	0	0			
6	60/3	SPD	0	0	0			
TOTAL CONNECTED KVA BY PHASE			297	298	297			
CONN KVA			CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0	0	(125%)	CONTINUOUS	10	12.5	(125%)	
LARGEST MOTOR	344	430	(125%)	HEATING	0	0	(N/A)	
OTHER MOTORS	417	417	(100%)	COOLING	0	0	(N/A)	
RECEPTACLES	0	0	(50%+10)	NONCONTINUOUS	0	0	(100%)	
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)	
			METERED DEMAND			270	338	(125%)
			TOTAL KVA			1,140	1,290	
			BALANCED 3-PHASE AMPS			1,550		

### FAULT CURRENT SCHEDULE - ALTERNATE 6

DEVICE	FAULT	AIC RATING	L-N VOLTS	UTILITY	FED FROM		FEEDER
					DEVICE	FAULT	
				FAULT	DEVICE	FAULT	SIZE
NEW MG&E TRANSFORMER	68,613	100,000	277V	65,000			
NEW SERVICE MAIN - ALTERNATE 6	63,781	100,000	277V	60,151	NEW MG&E TRANSFORMER	65,000	(5)#600kcmil
NEW CT CABINET	63,390	100,000	277V	59,759	NEW SERVICE MAIN - ALTERNATE 6	60,151	(5)#600kcmil
NEW MDP - ALTERNATE 6	62,318	65,000	277V	58,683	NEW CT CABINET	59,759	(5)#600kcmil
EXISTING MDP	52,763	65,000	277V	50,104	NEW MDP - ALTERNATE 6	58,683	(3)#300kcmil
LPA1(X)	40,208	42,000	277V	38,675	EXISTING MDP	50,104	#3
LPA2(X)	36,849	42,000	277V	35,562	LPA1(X)	38,675	#3
XF T/A(X)	10,570	22,000	120V	10,515	EXISTING MDP	50,104	#1
RPA1(X)	10,519	22,000	120V	10,465	XF T/A(X)	10,515	#600kcmil
RPA2(X)	10,440	22,000	120V	10,386	RPA1(X)	10,465	#600kcmil
SORTING PROCESS MCC	60,095	65,000	277V	56,588	NEW MDP - ALTERNATE 6	58,683	(2)#350kcmil
WOOD GRINDER MCC	40,583	65,000	277V	38,111	NEW MDP - ALTERNATE 6	58,683	(2)#350kcmil