



















REPLACE BROKEN CONCRETE SLAB NOTE 1 (5)

- REMOVE AND REPLACE WITH NEW SLAB SIZED FOR 570-FP-0101 PER OTHER DIVISIONS OF CONTRACT.
- PROVIDE 570-FP-0101 ON STAINLESS STEEL FRAMING, CLEAR OF CABLE TRAY SUPPORT COLUMN.
- 3. PROVIDE OVERHEAD CONDUITS TO CONNECT 570-FP-0101 TO EXISTING TURBIDITY PANEL, 7 FEET ABOVE FINISHED FLOOR, PROVIDE [20E2] IN ALUMINUM CONDUIT FOR POWER AND [A1] IN STAINLESS STEEL OR PVC COATED RGS FOR ANALOG. PROVIDE (4) ALUMINUM MYERS HUBS, ONE FOR EACH END OF EACH CONDUIT. EXTEND STAINLESS STEEL FRAMING ABOVE BOTH ENCLOSURES TO SUPPORT CONDUITS.

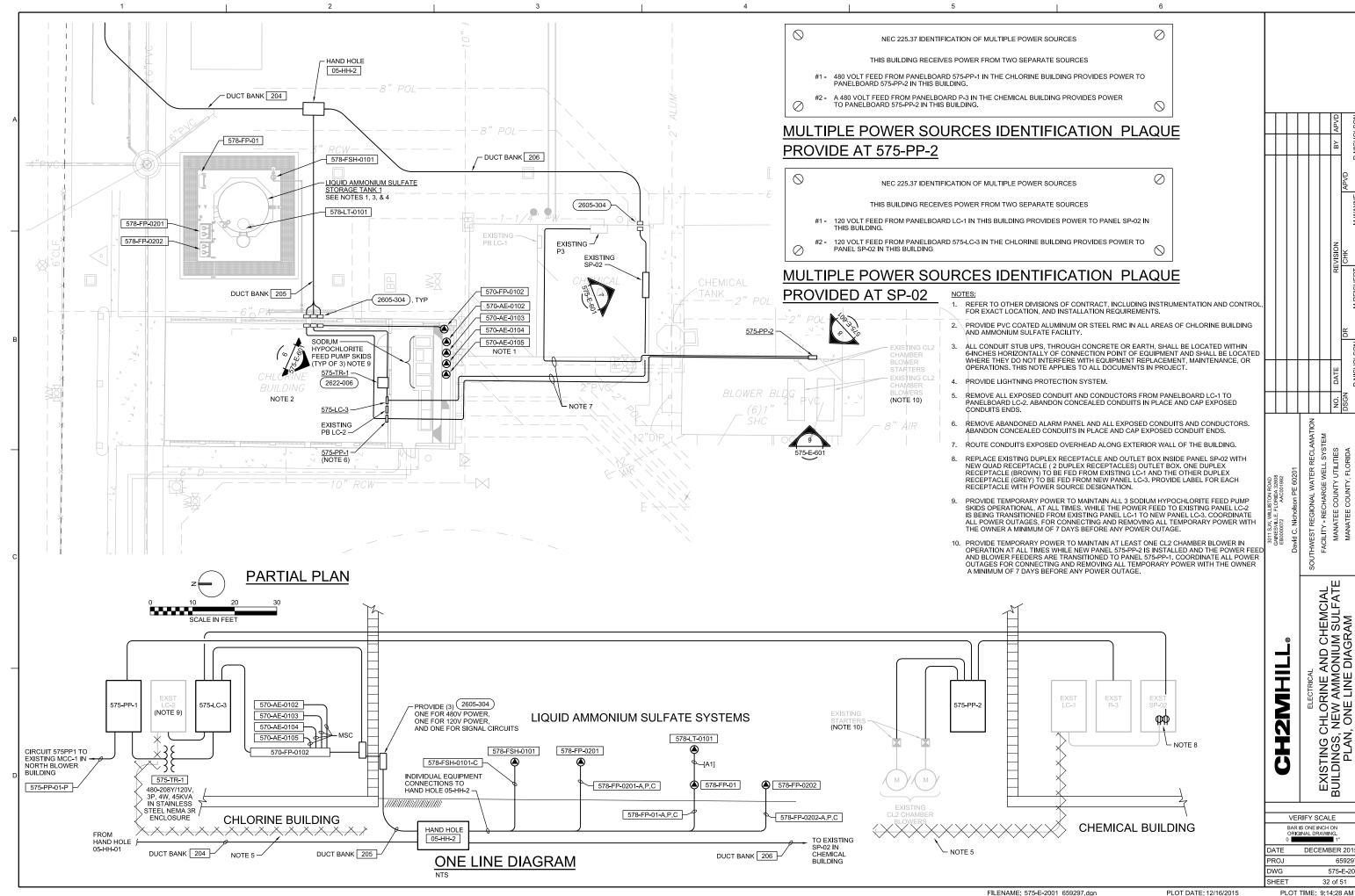
NOTES:

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 659297 570-E-201 31 of 51 PROJ 31 of 51 SHEET

PLOT TIME: 9:15:14 AM

NH4 AIT ENLARGED LOCATION PLAN AND PHOTO VIEW DETAILS

CH2MHILL.



EXISTING CHLORINE AND CHEMCIAL BUILDINGS, NEW AMMONIUM SULFATE PLAN, ONE LINE DIAGRAM

DOCUMENTS

659297

575-E-201 32 of 51

32 of 51

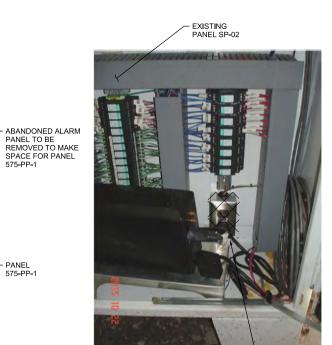
575-LC-3 208Y/120 EQUIPMENT PANEL BOARD SCHEDULE 575-LC-3 | Chlorine Building | NEMA 4X Stainless Steel | WIRE AND CONDUIT * Nbr | CKT BKR | C | Phase | Neu | Grd | Cond | Sets | POLE | TRIP EQUIPMENT 1 Chlorine AIT (4) 3 Ammonia Pumps # Subfeed Lugs ovide service rated

	575-PP-1		= [225E	3]	PANEL BOARD SCHEDULE										575-PP-1							
1 1, 1	480 VOLIS	225A	Bus	200 AMPS	S MAIN CB 3	Phase 4		Wire		UNI	onne b	Building	NEMA 4X S	stainle	ss Steel	11		KAIC = 35				
CKT	EQUIPMENT	CKT BKR		Nbr WIR	E AND CO	NDUIT **			PHASE	KVA			WIRE AND CONDUIT " Nbr		CKT BKR			EQUIPMENT	СКТ			
NBR	CONNECTED	POLE	TRIP	Sets Phase	e Neu G	Grd Cond	-	1	В	1			Phase Neu G	d Cond Sets	POLE	TRIP		CONNECTED	NBR			
1							10.0				1	1				-	1		2			
3	575-LC-3 (via 575-TR-1)	3	80		[80E2]			/	9.0		16	1			3	20	Spare		4			
5						/	/	/		8.0						6						
7			A		15.0					8												
9	575-PP-2	3	100		[100E3]				15.0		1	1			3	20	Spare		10			
11			100	-			/			15.0						1		12				
13					1 2 2	100								1	1			1.00				14
15	Spare	3	30					/			1	1	l .		3	20	Spare		16 18			
17			100				_												18			
19			-						/		1	1			100		4		20			
21	Spare	3	30					/			1	1			3	20	Spare		22			
23			16.5				_		/						16	4 1 1			24			
25											1	1					26					
27	Spare	3	20					/			1	1			3	20	Spare		28			
29								/				L.C.					-		30			
31				1							1				177	7.00	J		32			
33	Spare	3	20								1	1			3	20	Spare		34 36			
35			1				/	/	/						1.0	7 1						
37	1.7		10	-							1	1			100		20		38			
39	SPD	3	30								1	1	1		3	20	Spare		40			
41																	-		42			
SFL		Subfee	d Lugs									1										
rovide	e service rated. Integral	SPD. Lock	out Dev	rice (CONNECT	ED KVA =	25	.0	24	.0	23	.0										
on eac	h CB. Main CB with LSI a	djustable 1	rip.	CC	NNECTE	D AMPS =	3	0	2	9	2	8										

- EXST PANEL LC-2

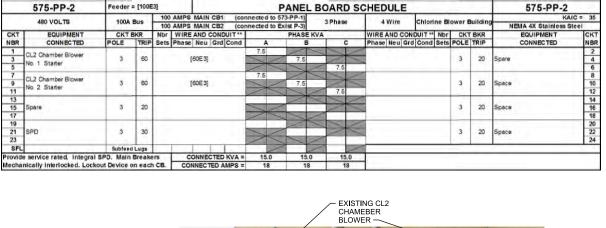
PANEL 575-LC-3

6 PHOTO 6
NTS



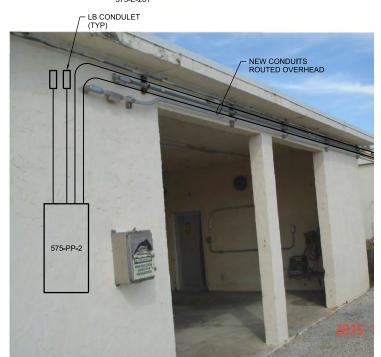
- PANEL 575-PP-1













SLUBURDOG NO STATE OF THE PROPERTY OF THE PROP 659297 575-E-601 33 of 51 PROJ DWG SHEET

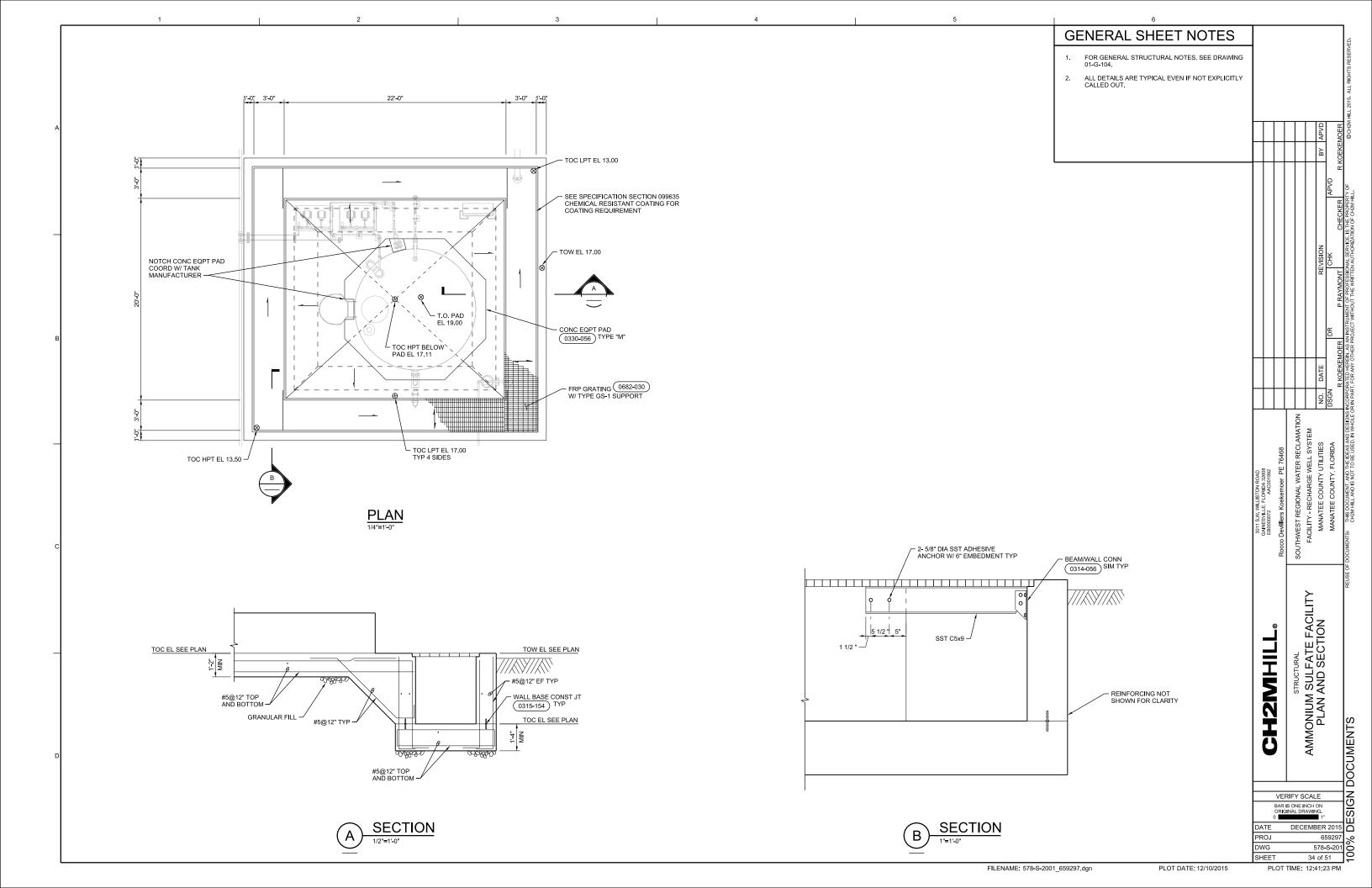
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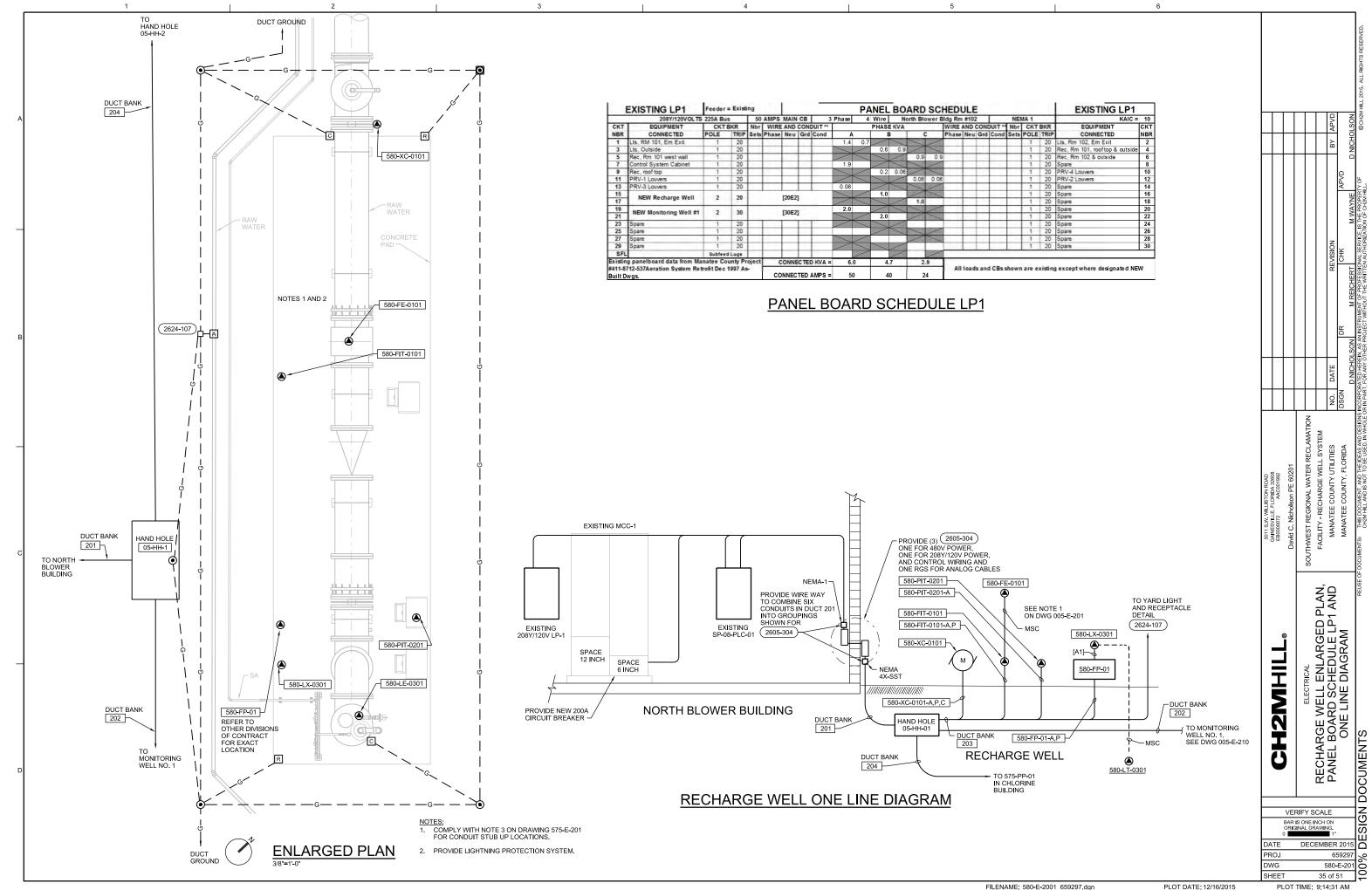
33 of 51 PLOT TIME: 9:14:31 AM

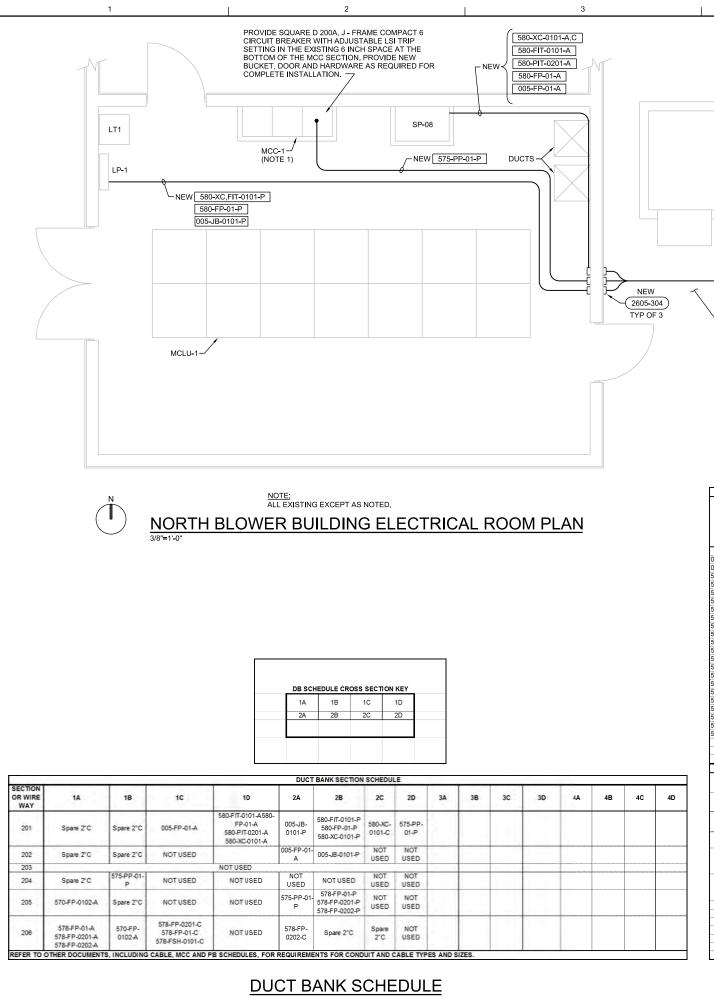
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1

SCHEDULES AND PHOTO DETAILS

CH2MHILL







								S	CHEDULE OF C	CABLES IN DUCT BANK	SEGME	NTS	
	DU	JCT	BANK	SEC	SMEŅ	IT,		FROM		TO		CABLE	
CABLE TAG	201	202	203	3 204	205	206	TAG NUMBER	FACILITY	TAG NUMBER	FACILITY	TYPE	SIZE & CONFIG	REMARKS
05-FP-01-A		ļ.,,					SP-08	H DI DILIED DI DO	005-FP-01	A400114/E11 //4			
	X							N BLOWER BLDG		MON WELL#1	A P	[A1]	
05-JB-0101-P	X	X					LP-1			MON WELL #1			See PB Schedules & other documents for cable sizes and configurations
'0-FP-0102-A		ļ			X		SP-02	CHEMICAL BLDG	570-FP-0102	CHLORINE BLDG	A	[A4]	D
75-PP-01-P	X	ļ	ļ	X	X		MCC-1	N BLOWER BLDG		CHLORINE BLDG	P		Plus one spare 2 1/2°C
8-FP-01-A		ļ	ļ	ļ			SP-02		578-FP-01	AMM SULFATE FAC	A	[A1]	
'8-FP-01-C		ļ	ļ				SP-02		578-FP-01	AMM SULFATE FAC	C	[C4]	
'8-FP-01-P		ļ	ļ	ļ	X		575-LC-3			AMM SULFATE FAC	Р		See PB Schedules & other documents for cable sizes and configurations
78-FP-0201-A		ļ	ļ				SP-02			AMM SULFATE FAC	A	[A4]	
78-FP-0201-C		ļ	ļ	L			SP-02		578-FP-0201	AMM SULFATE FAC	С	[C30]	
78-FP-0201-P		ļ	ļ		Х		575-LC-3	CHEMICAL BLDG		AMM SULFATE FAC	Р		See PB Schedules & other documents for cable sizes and configurations
78-FP-0202-A		ļ	ļ				SP-02			AMM SULFATE FAC	A	[A4]	
78-FP-0202-C		ļ	ļ	ļ			SP-02		578-FP-0202	AMM SULFATE FAC	С	[C30]	
'8-FP-0202-P		ļ	ļ		X		575-LC-3		578-FP-0202	AMM SULFATE FAC	Р		See PB Schedules & other documents for cable sizes and configurations
'8-FSH-0101-C		ļ	ļ	L			SP-02	CHEMICAL BLDG		AMM SULFATE FAC	С	[C4]	
80-FIT-0101-A	X	ļ	X				SP-08	N BLOWER BLDG		RECHARGE WELL	Α	[A1]	
80-FIT-0101-P	X	ļ	Х	ļ			LP-1	N BLOWER BLDG		RECHARGE WELL	Р		See PB Schedules & other documents for cable sizes and configurations
0-FP-01-A	X	1	Х				SP-08	N BLOWER BLDG		RECHARGE WELL	Α	[A1]	
80-FP-01-P	X		X		I		LP-1	N BLOWER BLDG		RECHARGE WELL	Р		See PB Schedules & other documents for cable sizes and configurations
80-PIT-0201-A	X	1	Х		T		SP-08	N BLOWER BLDG		RECHARGE WELL	Α	[A1]	
80-XC-0101-A	X		Х		I		SP-08	N BLOWER BLDG		RECHARGE WELL	Α	[A2]	
30-XC-0101-C	X	1	X		I		SP-08	N BLOWER BLDG	580-XC-0101	RECHARGE WELL	С	[C4]	
80-XC-0101-P	X		X		T	T	LP-1	N BLOWER BLDG	580-XC-0101	RECHARGE WELL	Р		See PB Schedules & other documents for cable sizes and configurations
		ļ				[
									GENE	RAL AND KEYED NOTE			
1									ON CABLES A		IN THIS		IALL FURNISH AND INSTALL CABLES AND CONDUITS MEETING THE
2													ED EQUIPMENT LISTED IN THE "FROM" COLUMNS TO OTHER HE "CABLE" COLUMNS.
3								NTRY IS FOUND IN DNAL REQUIREMEN		LABELED "SIZE & CON	FIG", RI	EFER TO OTHER SHI	EETS IN THE DOCUMENTS, INCLUDING MCC AND PB SCHEDULES,
4							THE COLUMN	NS LABELED "FACIL	LITY" ARE PRO	OVIDED TO ASSIST IN I	OCATING	G ADDITIONAL INFO	RMATION BUT ARE FOR REFERENCE ONLY.
5								L CONNECTIONS S			ON TO C	ONNECTIONS SHOW	VN ELSEWHERE IN DOCUMENTS. THIS SCHEDULE IS NOT INTENDED
6													HOWN IN THE CONNECTION SCHEDULE BUT EXACT LOCATIONS AR DT IN AGREEMENT, MECHANICAL SHEETS SHALL PREVAIL.
7		<u> </u>						A INDICATES ANAI					
8								C INDICATES CON					
9		<u> </u>											HER DIVISIONS OF CONTRACT.
10							CABLE TYPE	F INDICATES FIBE	R OPTIC CABL	E. FURNISH AND INST	ALL IN C	OMPLIANCE WITH O	OTHER DIVISIONS OF CONTRACT.
11										R SUPPLIED OR SPECI	FIED CA	BLE	
12		1					CABLE TYPE	P INDICATES POW	ER CABLE				

<u>ACU-1</u>

NEW DUCT BANK

- REMOVE AND REPLACE APPROXIMATELY 200 SQUARE FEED OF CONCRETE SIDEWALK IN THIS AREA FOR INSTALLATION OF DUCT BANK. REFER TO OTHER

DIVISIONS OF CONTRACT FOR ADDITIONAL REQUIREMENTS

201

TO HANDHOLE 05-HH-1

CABLE SCHEDULE

RIFY SCALE
IS ONE INCH ON
GINAL DRAWING.

DECEMBER 2015

659297

828-E-201

36 of 51

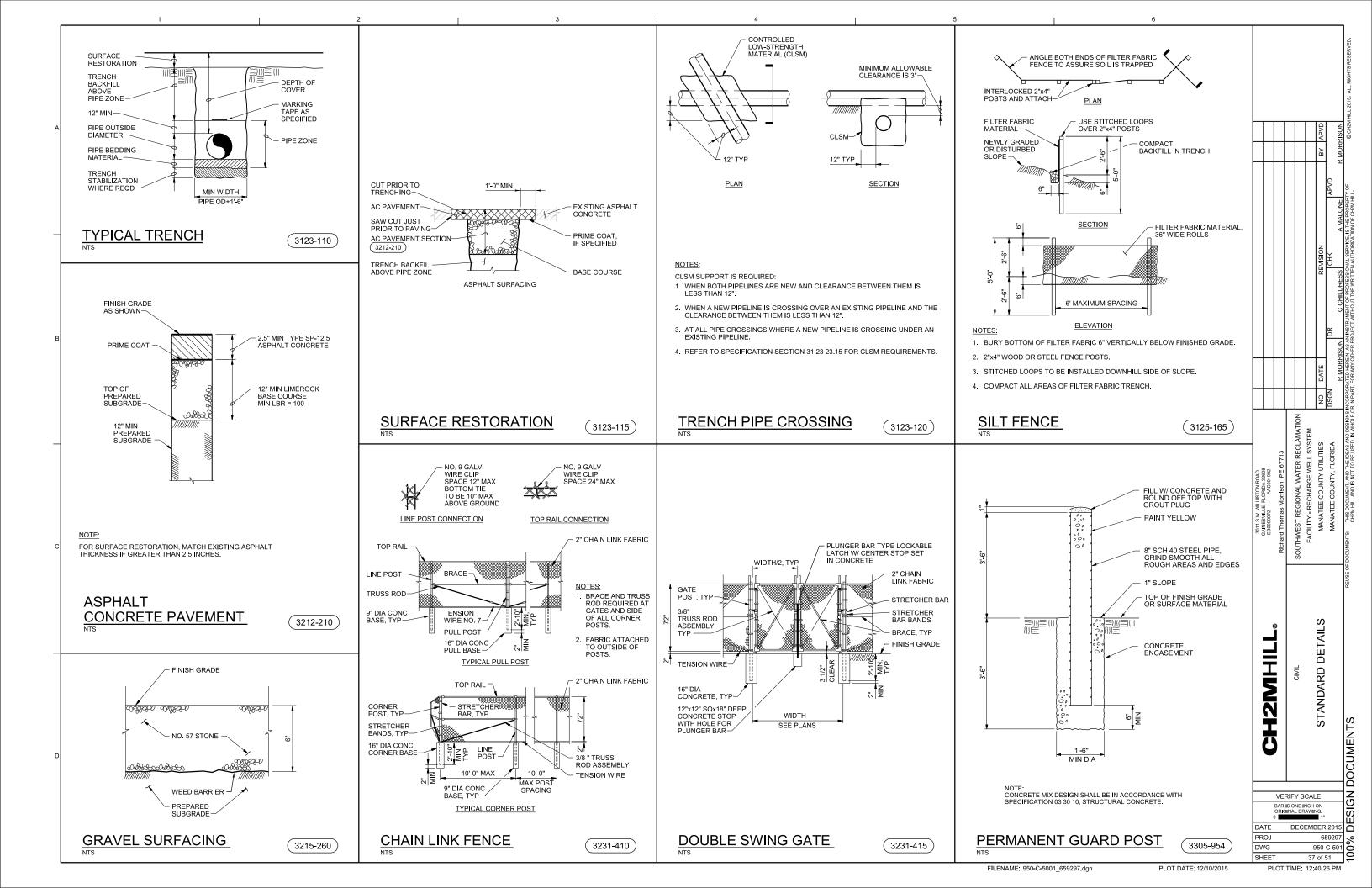
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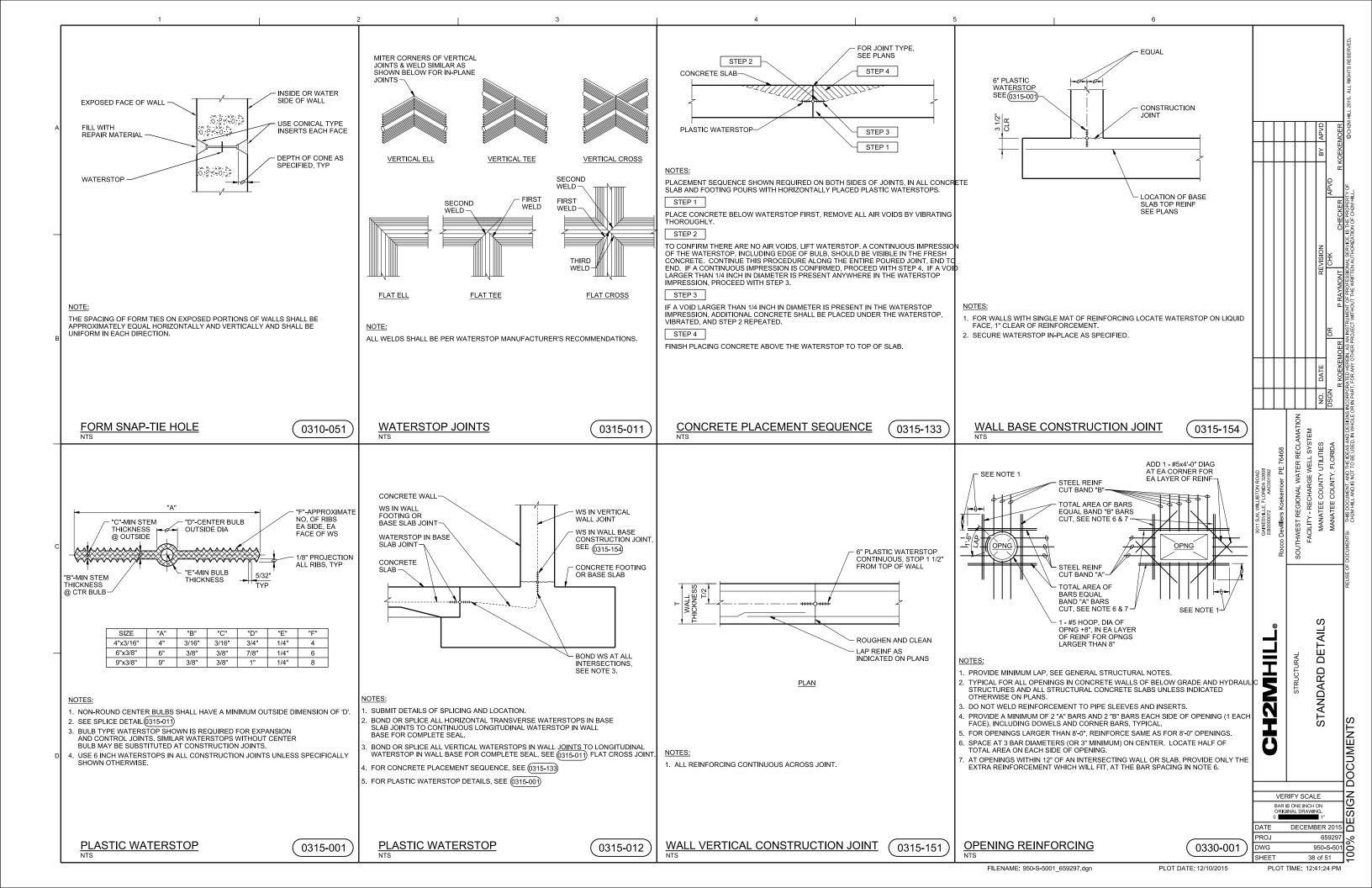
PROJ DWG

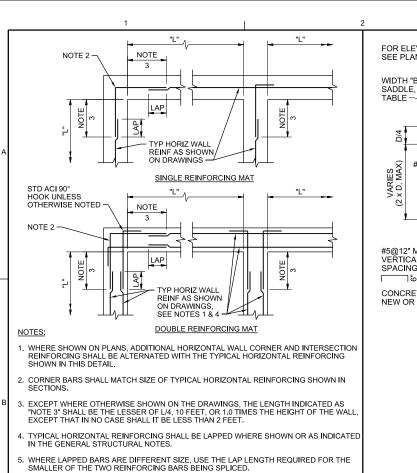
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

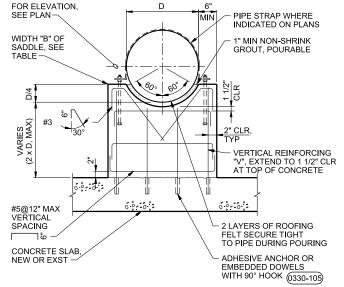
CH2MHILL.

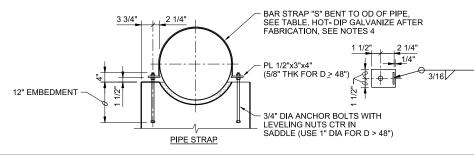
EXISTING NORTH BLOWER BUILDING ELECTRICAL ROOM PLAN, DUCT BANK AND CABLE SCHEDULES











PIPE SADDLE TABLE											
PIPE	SADDLE	LAYERS OF	VERTICAL	PIPE		FOOTING		FOOTING			
DIAMETER	WIDTH	REINFORCING	REINFORCING	STRAP SIZE	NO. OF	WIDTH	REINFORCING	DEPTH			
D	В		V	S	STRAPS	W	Α	С			
D<12"	6"	1 (CTRD)	#5@12"	3/16"x2"	1	1'-6"	#5@12"	2'-0"			
12" <d<24"< td=""><td>8"</td><td>1 (CTRD)</td><td>#5@12"</td><td>3/16"x2 1/2"</td><td>1</td><td>2'-0"</td><td>#5@12"</td><td>2'-0"</td></d<24"<>	8"	1 (CTRD)	#5@12"	3/16"x2 1/2"	1	2'-0"	#5@12"	2'-0"			
24" <d<36"< td=""><td>10"</td><td>2 (EF)</td><td>#5@12"</td><td>1/4"x2"</td><td>1</td><td>3'-0"</td><td>#5@12"</td><td>2'-0"</td></d<36"<>	10"	2 (EF)	#5@12"	1/4"x2"	1	3'-0"	#5@12"	2'-0"			

- 1. FOR "B"=10" OR THICKER, USE 2 LAYERS OF REINFORCING, TURN HORIZONTAL BARS 90° TO HOOK AROUND VERTICALS $[\ \]$, 1 1/2" CLEAR OF CONCRETE
- 2. FORM 3/4" BEVEL ON ALL EXPOSED CORNERS OF SUPPORT.
- 3. FOR LOCATIONS WHERE PIPE STRAP IS REQUIRED, SEE DRAWINGS. UNLESS INDICATED OTHERWISE A STRAP IS NOT REQUIRED.
- 4. PROVIDE 3/4" BY STRAP WIDTH PLUS 1" WIDE NEOPRENE PAD BELOW STRAP

0330-061

TYPICAL WALL CORNER AND INTERSECTION REINFORCING

2" MIN ALL AROUND

OR AS REQUIRED BY ANCHORAGE CALCULATIONS

PAD HEIGHT AS

10" MAX

REQD. 3 1/2" MIN.

SLAB OR SLAB ON GRADE

FOR THICKNESS SEE PLANS

ANCHORS SPECIFIED.

6" MIN, TYP UNLESS NOTED OTHERWISE

ON PLANS

CHAMFER

THICKENED EDGE OF SLAB

ALL AROUND -

#5@12" EW AT 2" CLR FROM TOP SURFACE -

1. WHEN ANCHORAGE OF EQUIPMENT TO PAD IS REQUIRED, USE CONCRETE

2. CONCRETE PADS FOR ELECTRICAL EQUIPMENT SHALL BE 3 1/2" HIGH, UNLESS NOTED OTHERWISE.

TYPE E

TYPE G

NOTE:

0330-003

PIPE SUPPORT - CONCRETE SADDLE

6" MIN, TYP UNLESS NOTED OTHERWISE

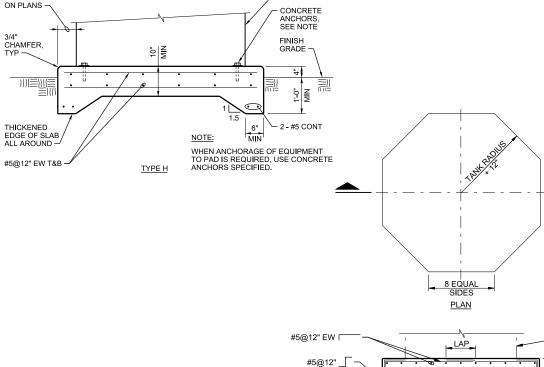
- #3@12" EW, 1" CLR FOR PAD HT < 4", #4@12" EW, 1 1/2" CLR FOR PAD HT > 4" **EQUIPMENT** - EQUIPMENT PAD 3/4" CHAMFER, TYP #4 ADHESIVE DOWE @ 12" OC @ PERIMETER (0330-105) CONSTRUCTION JOINT, ROUGHEN & CLEAN PRIOR TO PLACING PAD - EQUIPMENT CONCRETE ANCHORS

FINISH GRADE

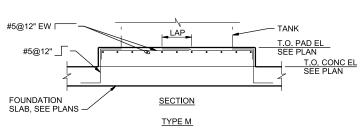
#5 CONT

WHEN ANCHORAGE OF EQUIPMENT TO PAD IS REQUIRED, USE CONCRETE

ANCHORS SPECIFIED.



- EQUIPMENT



NOTES:

- PAD SIZE SHALL BE MINIMUM INDICATED OR AS SHOWN ON THE PLANS OR AS INDICATED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
- THE SIZE, NUMBER, TYPE, LOCATION, AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER AND AS APPROVED BY THE ENGINEER. ANCHOR BOLTS SHALL BE HELD IN POSITION WITH A TEMPLATE OR OTHER ACCEPTABLE MEANS, MATCHING THE BASE PLATE, WHILE
- ANCHOR BOLT SLEEVES SHALL BE USED TO PROVIDE MINIMUM ANCHOR BOLT MOVEMENT OF $1/2^\circ$ IN ALL HORIZONTAL DIRECTIONS. THE MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER.
- ANCHOR BOLT SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER THAN BOLT DIAMETER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN ANCHOR BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER BOLTS ARE ALIGNED.
- EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS INDICATED OTHERWISE.
- WEDGES, SHIMS, OR LEVELING NUTS SHALL BE USED TO SUPPORT THE BASE WHILE THE GROUT IS PLACED. WEDGES OR SHIMS SHALL BE REMOVED AFTER GROUT IS SET AND PACK VOID WITH GROUT.
- HEIGHT OF PADS SHALL BE MINIMUM REQUIRED FOR ANCHOR BOLT CLEARANCE TO KEEP ANCHOR BOLT ABOVE SUPPORTING SLAB (SEE TABLE BELOW)
- AT CONTRACTOR'S OPTION, CONCRETE ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHOR BOLTS FOR EQUIPMENT ANCHOR BOLTS LESS THAN 3/4 DIAMETER WHEN APPROVED BY THE EQUIPMENT MANUFACTURER AND APPROVED BY THE ENGINEER. ANCHORS SHALL BE INSTALLED WITH 4" MINIMUM EDGE DISTANCE IN EACH DIRECTION.

AB DIA (IN.)	1/2	5/8	3/4	7/8	1	1 1/4	1 3/8	1 1/2	1 3/4	2
MIN PAD HT (IN.)	7	8 1/2	10	11	12 1/2	15	16 1/2	18	21	24

DECEMBER 201 DATE PROJ WG

PLOT DATE: 12/10/2015

CONCRETE EQUIPMENT PAD

FILENAME: 950-S-5002 659297.dgn

659297 950-S-502 39 of 51 0330-056 HEET PLOT TIME: 12:40:34 PM

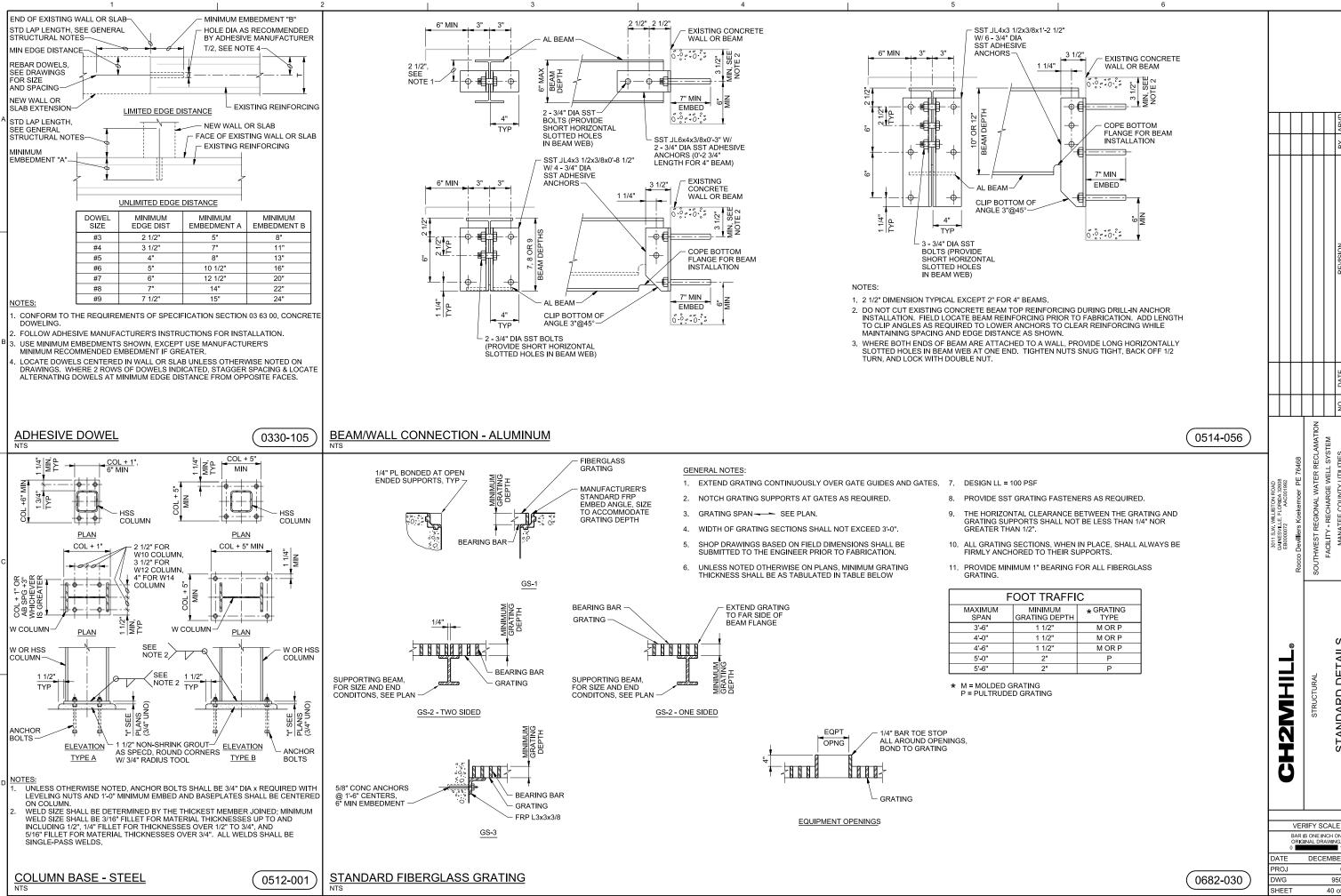
STANDARD DETAIL

VERIFY SCALE

BAR IS ONE INCH ON

DOCUMENTS

SIGN



DECEMBER 201

STANDARD DETAIL

DOCUMENTS

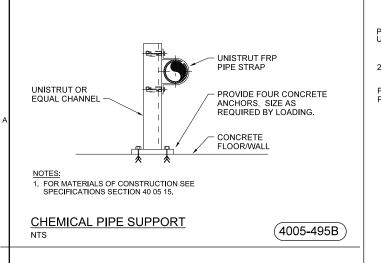
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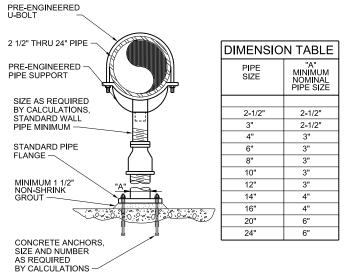
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950-S-503

40 of 51

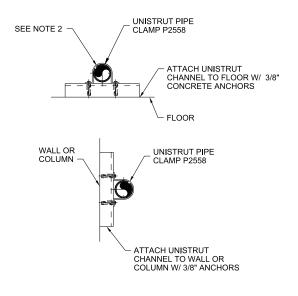




SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

PIPE SUPPORT -SADDLE SUPPORT PEDESTAL TYPE - ADJUSTABLE

4005-500



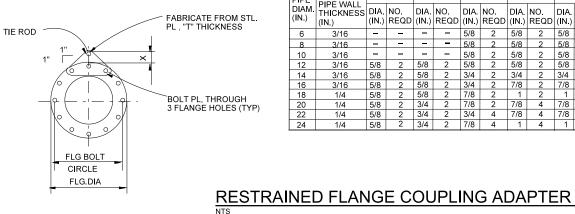
NOTES:

- 1. FOR MATERIALS OF CONSTRUCTION SEE SPECIFICATIONS SECTION 40 05 15.
- 2. FOR PVC PIPE USE UNISTRUT P2600 UNICUSHION INSTALLED BY THE MECHANICAL CONTRACTOR.
- 3. TIGHTEN CLAMP SNUG TO PIPE.

PIPE SUPPORT NTS

(4005-495C)

IE ROD NO. AND SIZE AS REQ'D FOR TEST PRESSURE	THRUST TIE PLATE PLATE (TYP)
	FLANGED COUPLING ADAPTER

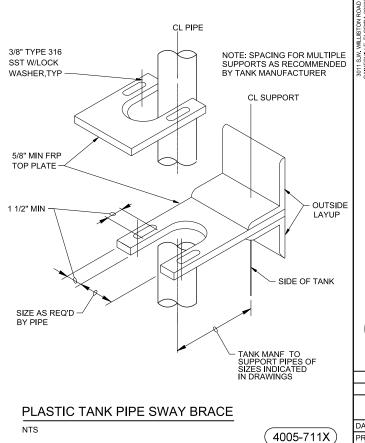


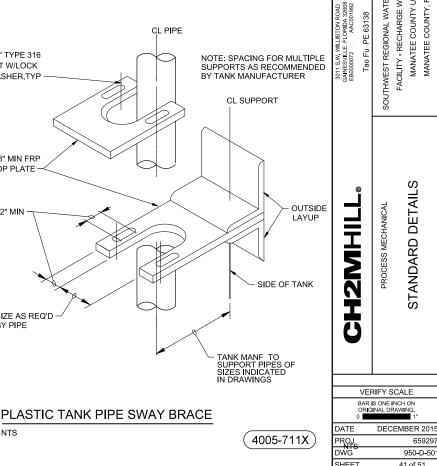
DIDE 0175	.,	T @ TEST	T @ TEST
PIPE SIZE	X	PRESS <150 PSI	150< PRESS <375 PSI
6"	2 3/4 "	5/8 "	5/8 "
8"	2 3/4 "	5/8 "	3/4 "
10"	2 3/4 "	5/8 "	1"
12"	3"	3/4 "	1"
14	3 1/4 "	3/4 "	1"
16"	3 1/4 "	1"	1"
18"	3 1/2 "	1"	1"
20"	3 3/4 "	1"	1 1/2 "
22"	4"	1"	1 3/4 "
24"	4 1/4 "	1 1/4 "	1 3/4 "

	TIE ROD SCHEDULE												
TEST	PRESSURE	25 PSI		50 PSI		100 PSI		150 PSI		225 PSI		375	PSI
PIPE	MINIMUM	TIE	RODS	TIE RODS		TIE RODS		TIE RODS		TIE RODS		TIE RODS	
DIAM. (IN.)	PIPE WALL THICKNESS (IN.)	DIA. (IN.)	NO. REQD	DIA. (IN.)	NO. REQD	DIA. (IN.)	NO. REQD	DIA. (IN.)		DIA. (IN.)	NO. REQD	DIA. (IN.)	NO. REQD
6	3/16	-	_	-	-	5/8	2	5/8	2	5/8	2	5/8	2
8	3/16	_	_	_	-	5/8	2	5/8	2	5/8	2	3/4	2
10	3/16	_	_	_	_	5/8	2	5/8	2	5/8	2	7/8	2
12	3/16	5/8	2	5/8	2	5/8	2	5/8	2	5/8	2	7/8	4
14	3/16	5/8	2	5/8	2	3/4	2	3/4	2	3/4	4	1	4
16	3/16	5/8	2	5/8	2	3/4	2	7/8	2	7/8	4	1	4
18	1/4	5/8	2	5/8	2	7/8	2	1	2	1	4	1-1/4	4
20	1/4	5/8	2	3/4	2	7/8	2	7/8	4	7/8	4	1-1/4	4
22	1/4	5/8	2	3/4	2	3/4	4	7/8	4	7/8	4	1-1/2	4
24	1/4	5/8	2	3/4	2	7/8	4	1	4	1	6	1-1/2	6

- 1. TIE RODS SHALL CONFORM TO ASTM A193 GRADE B7.
- NUTS SHALL CONFORM TO ASTM A194 GRADE 2H.
- PLATE SHALL CONFORM TO ASTM A283 GRADE D.
- TIE ROD NUTS SHALL BE TIGHTENED GRADUALLY AND EQUALLY IN STAGES TO PREVENT UNEVEN ALIGNMENT AND TO ALLOW EQUAL STRESS ON ALL TIE RODS UNDER PRESSURE. TIGHTEN UNTIL SNUG. THREADS SHALL PROTRUDE FROM NUTS. PEEN THREADS AFTER TIGHTENING NUTS.

CONTRACTOR SHALL USE DATA FOR ONLY THOSE PIPE SIZES AND TEST PRESSURES SPECIFIED IN THIS CONTRACT.





4005-544

950-D-5001_659297.dgn

FILENAME:

PLOT TIME: 12:41:12 PM

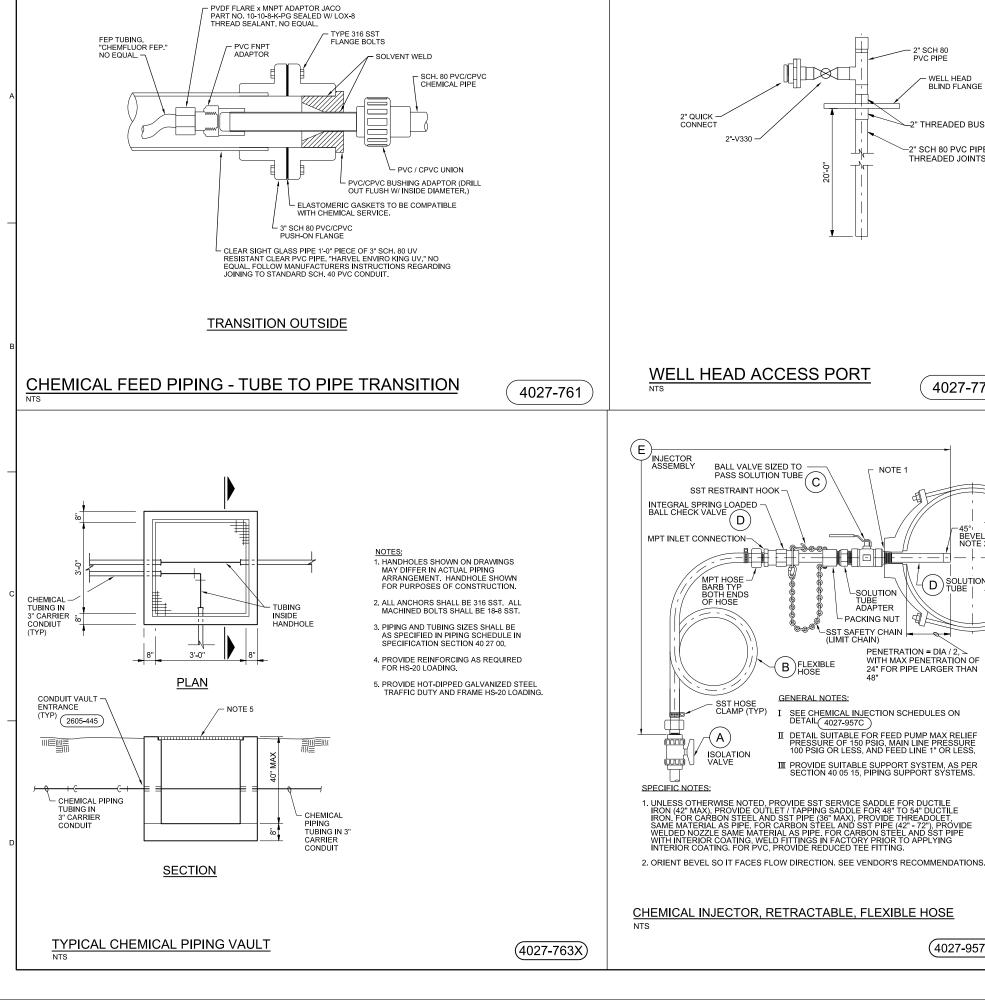
PLOT DATE: 12/10/2015

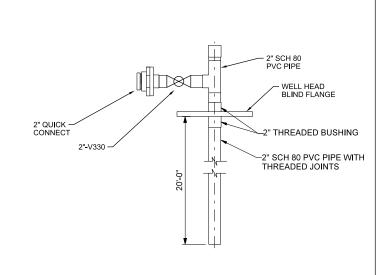
950-D-501 41 of 51 41 of 51

STANDARD DETAILS

SIGN DOCUMENTS

659297





WELL HEAD ACCESS PORT

BALL VALVE SIZED TO

PASS SOLUTION TUBE

SST RESTRAINT HOOK

(D)

MPT HOSE

BARB TYP BOTH ENDS OF HOSE

-(A)

ISOLATION VALVE

INJECTOR ASSEMBLY

4027-770

D SOLUTION

(4027**-**957A)

PENETRATION = DIA / 2, WITH MAX PENETRATION OF

24" FOR PIPE LARGER THAN

NOTE 1

SOLUTION ADAPTER

PACKING NUT

SEE CHEMICAL INJECTION SCHEDULES ON DETAIL 4027-957C II DETAIL SUITABLE FOR FEED PUMP MAX RELIEF PRESSURE OF 150 PSIG, MAIN LINE PRESSURE 100 PSIG OR LESS, AND FEED LINE 1" OR LESS.

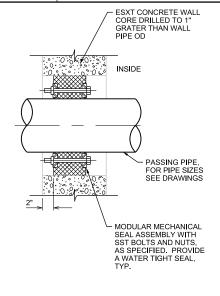
III PROVIDE SUITABLE SUPPORT SYSTEM, AS PER SECTION 40 05 15, PIPING SUPPORT SYSTEMS.

-SST SAFETY CHAIN

(LIMIT CHAIN)

B)FLEXIBLE

GENERAL NOTES:



1. CONTRACTOR SHALL LOCATE EXISTING WALL REINFORCING ON EACH FACE WITH COVER METER OR OTHER APPROVED "POSITIVE" METHOD. CORE DRILL HOLE AS REQUIRED BY "LINK SEAL" MFR FOR INSTALLATION OF NEW LINE. APPLY "XYPEX CONCENTRATE" OR APPROVED EQUAL TO THE CORED SURFACES AND TO EACH SIDE OF WALL WITHIN 3" OF CORE NOTIFY ENGINEER IF ANY REINFORCING BARS ARE CUT PRIOR TO INSTALLATION OF PIPE. HAVE XYPEX REPRESENTATIVES SPECIFY THE EXACT AMOUNT TO BE USED AND PROPER APPLICATION

EXISTING WALL PENETRATION

4027-607A

SCH	SCHEDULE 1 - CHEMICAL INJECTOR DEFAULT COMPONENTS								
COMPONENT MARK	COMPONENT DESCRIPTION	MODEL / MATERIALS							
A	ISOLATION VALVE	1/2" V330 (PVC)							
B	FLEXIBLE HOSE	REINFORCED PVC (1" MAX & 150 PSIG MAX)							
©	SOLUTION TUBE ISOLATION VALVE	1" V307 (SST)							
(D)	SOLUTION TUBE AND INTEGRAL SPRING LOADED BALL CHECK VALVE WITH TEFLON BALL	SEE SCHEDULE 2							
E	INJECTOR ASSEMBLY INCLUDES (B)(C)(D) AND ANCILLARIES	SAF-T-FLO EB146; OR EQUAL							

	SCHEDULE 2 - COMPONE						
FLOW STREAM	DESCRIPTION (NOTE 1)	MATERIAL OF SOLUTION TUBE AND BALL CHECK BODY & SPRING	OTHER COMPONENTS SEE SCHEDULE 1				
LAS	LIQUID AMMONIUM SULFATE 38%	316 STAINLESS STEEL	DEFAULT				

		VALVE WITH TEFLON BALL	-UN								
E		INJECTOR ASSEMBLY INCI	SAF-T-FLO EB146; OR EQUAL ES								
	SCHEDULE 2 - COMPONENTS BY CHEMICAL										
FLOW STREAM		DESCRIPTION (NOTE 1)	SOLUT BA	TERIAL OF ION TUBE AND ALL CHECK Y & SPRING	OTHER COMPONENTS SEE SCHEDULE 1						

CHEMICAL INJECTOR, RETRACTABLE

(4027**-**957C

DECEMBER 2015 PROJ WG

950-D-502 42 of 51 SHEET 42 of 51 PLOT TIME: 12:41:47 PM

VERIFY SCALE BAR IS ONE INCH ON

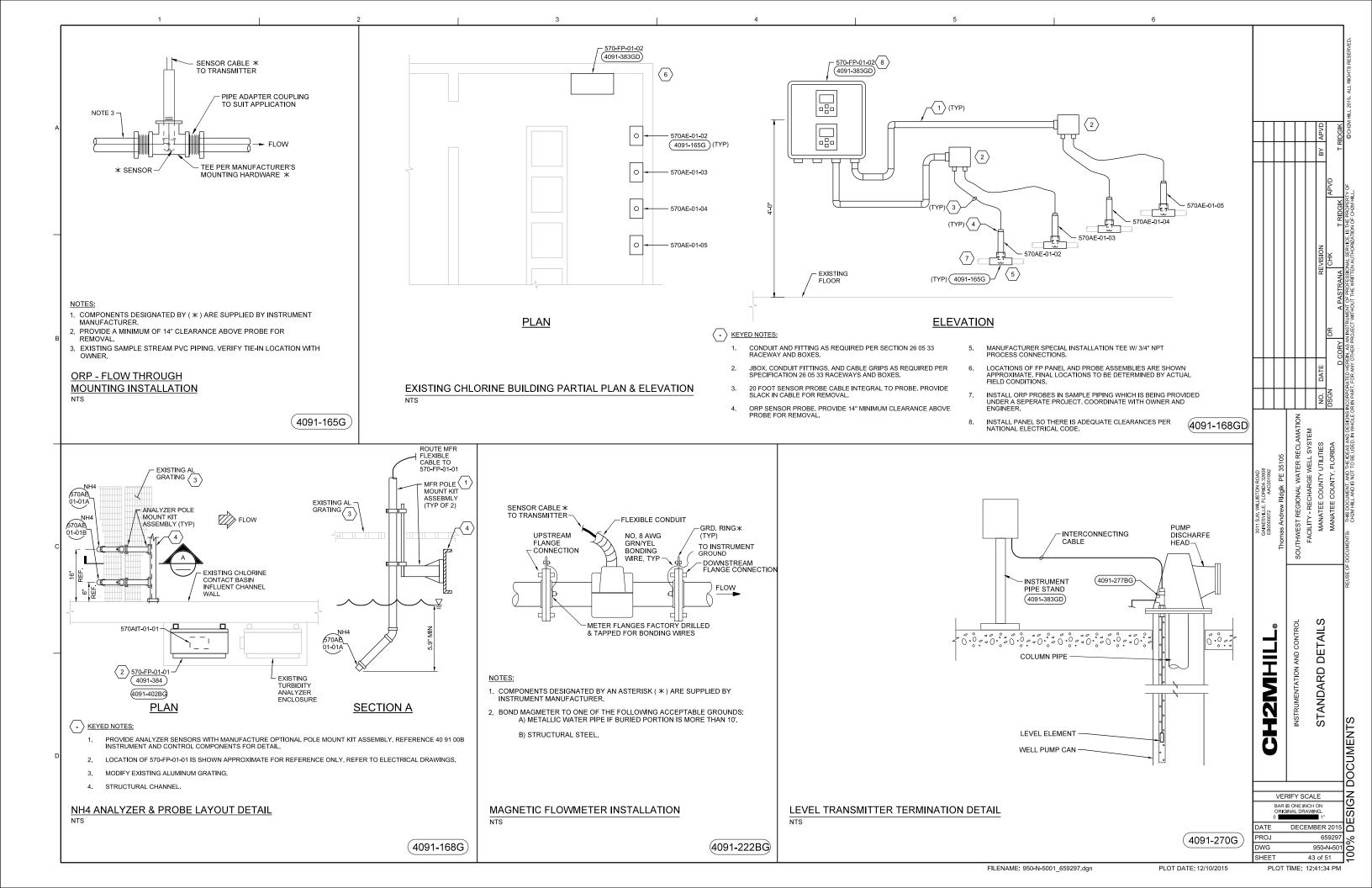
CH2MHILL

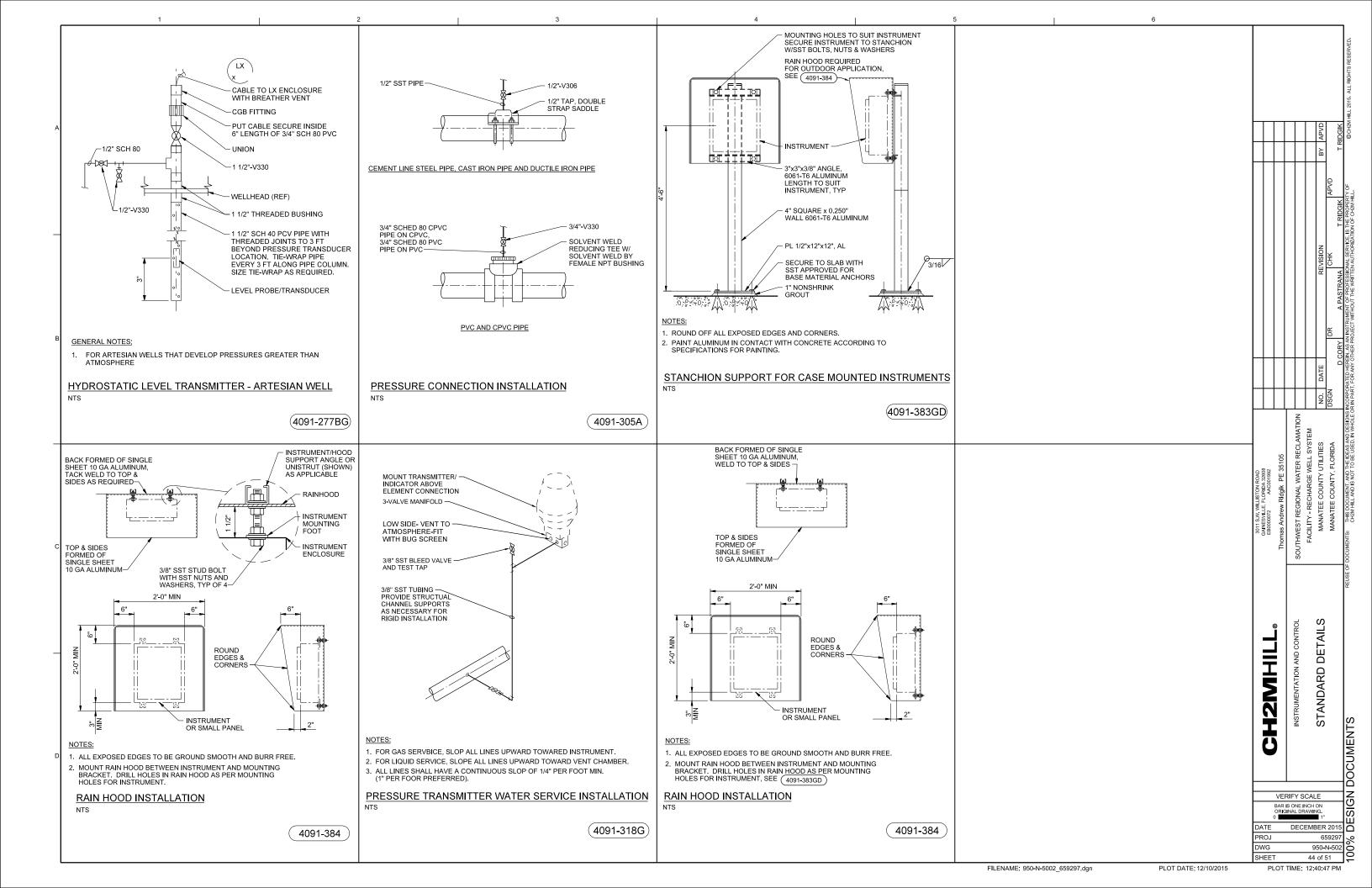
STANDARD DETAIL

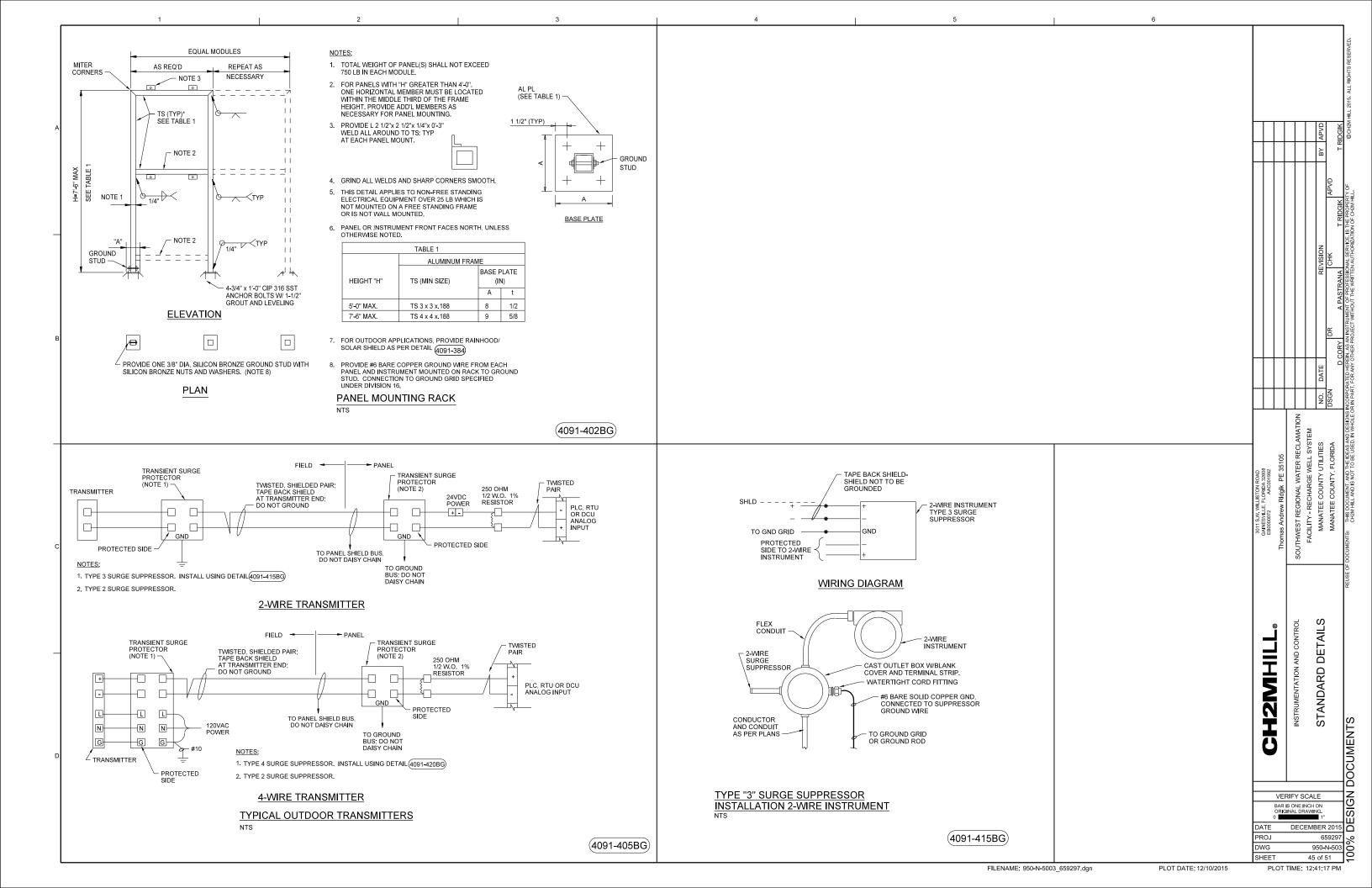
SIGN DOCUMENTS

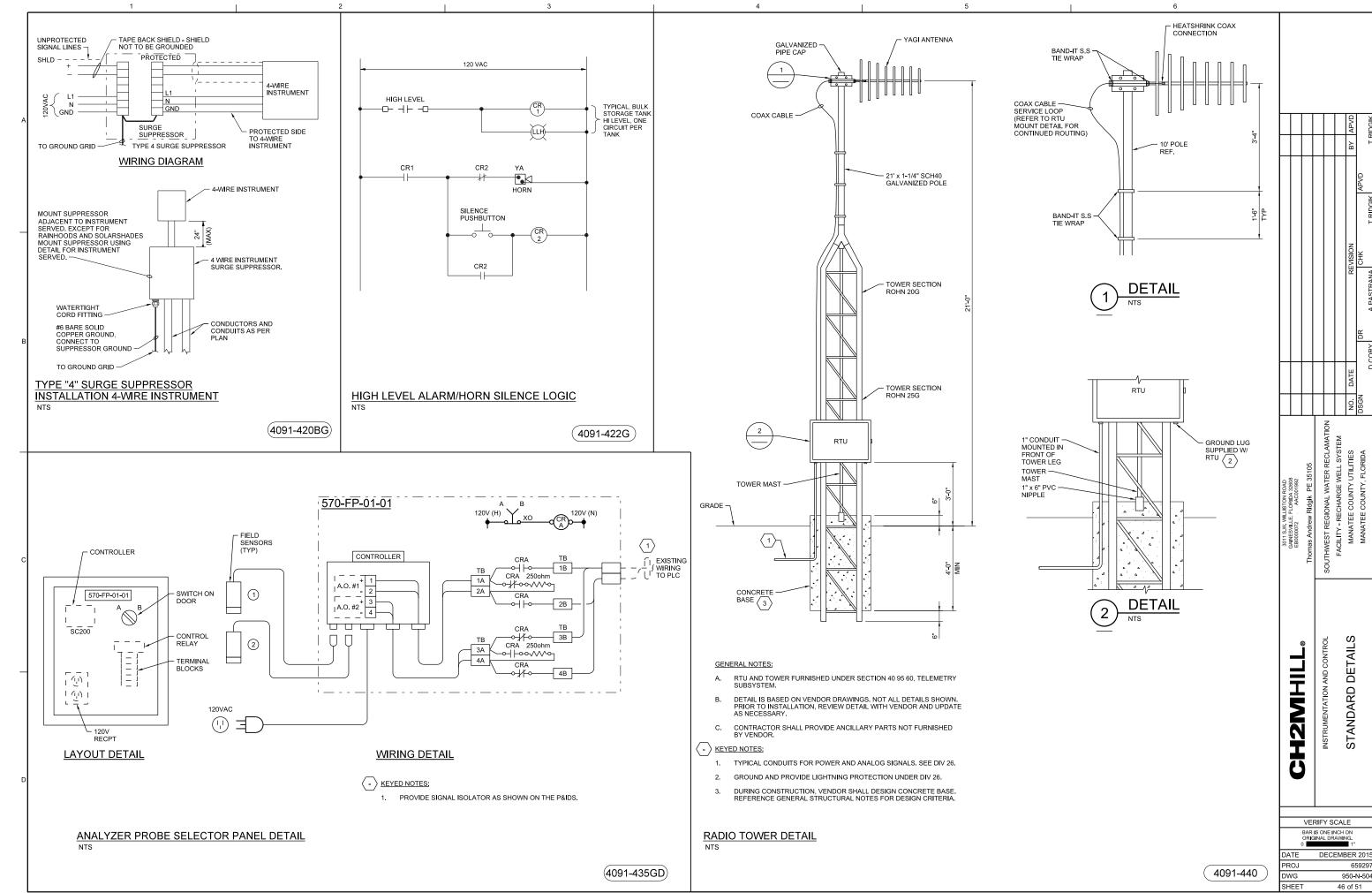
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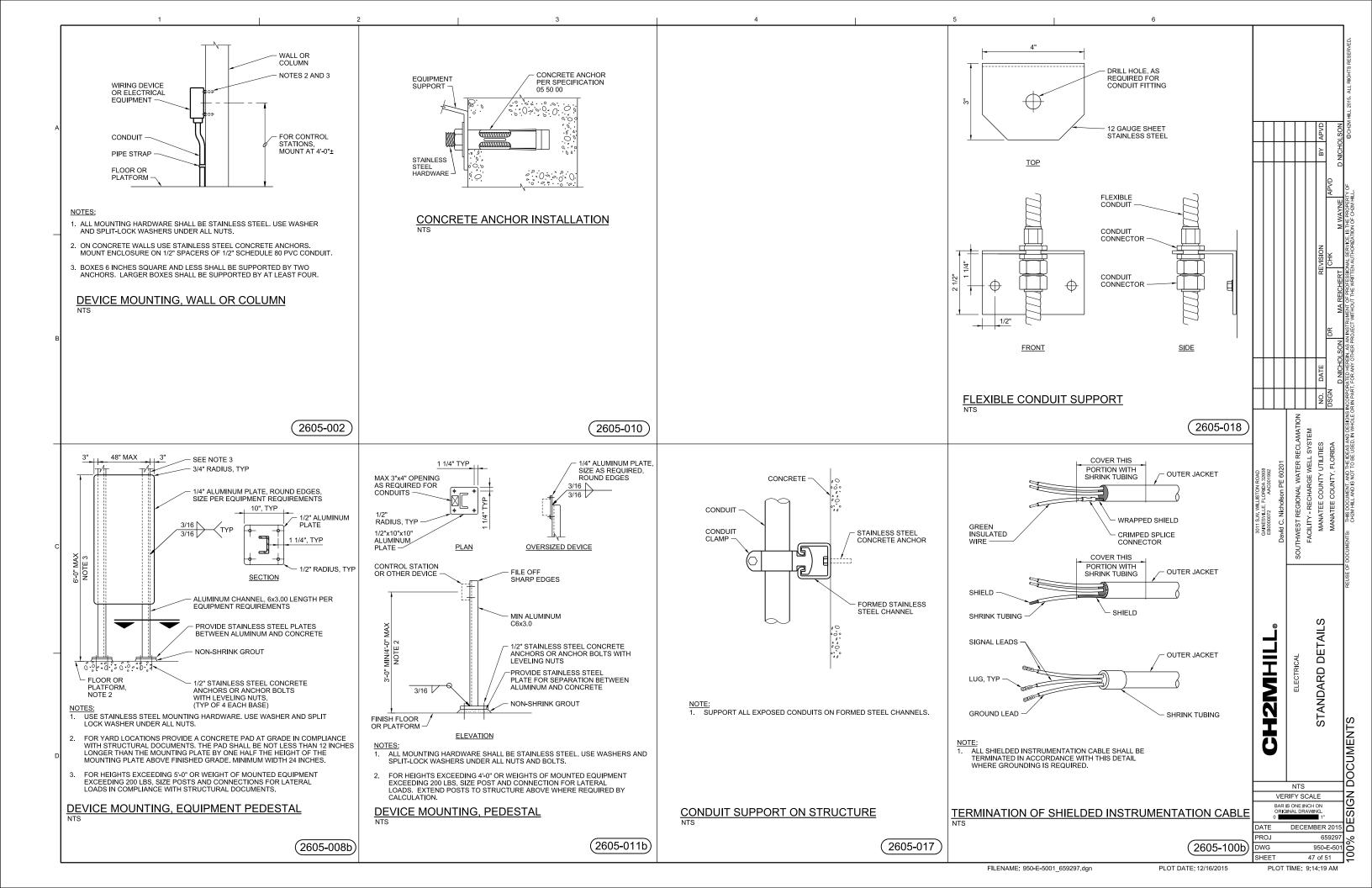
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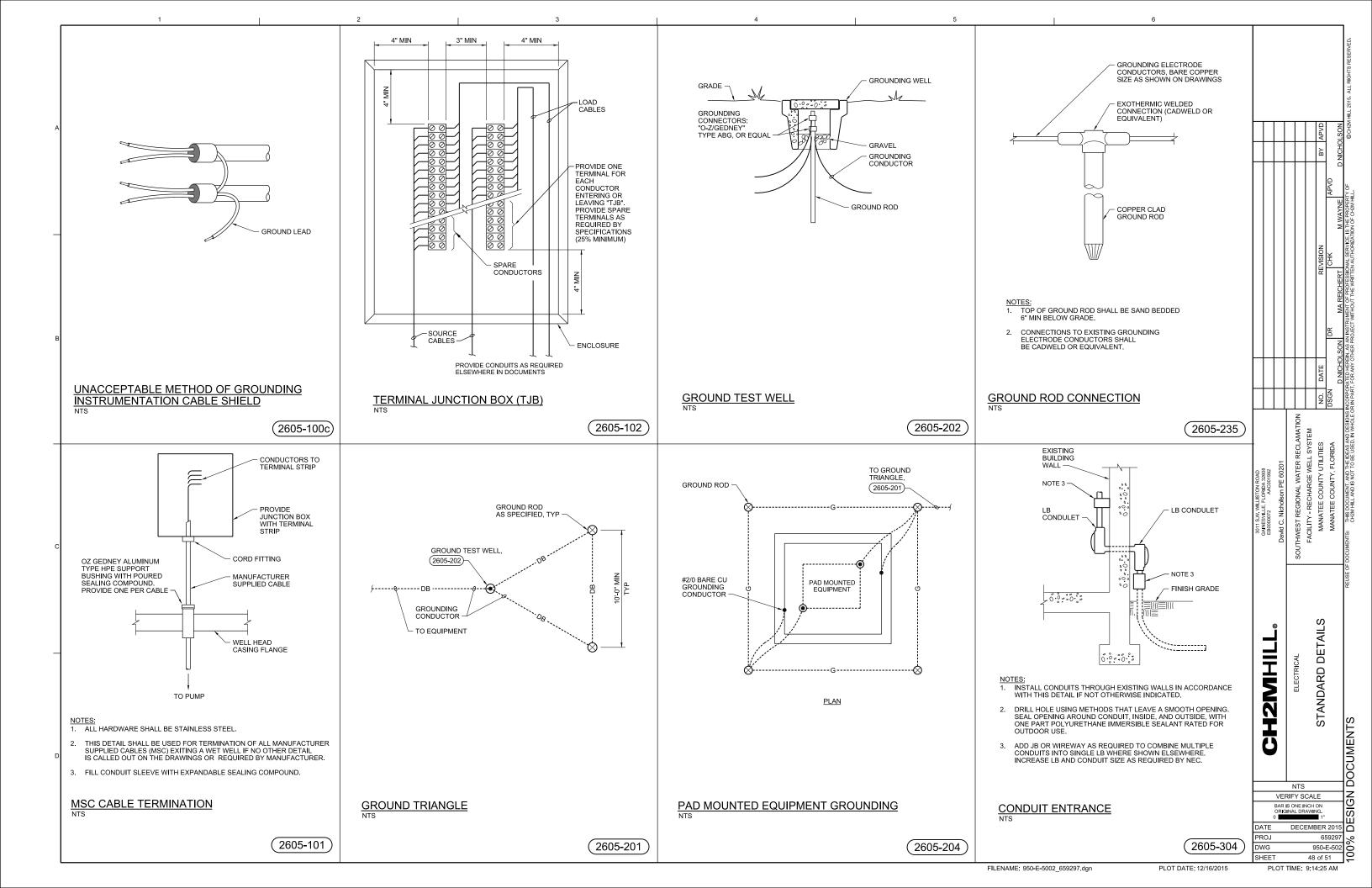
950-N-504 46 of 51 46 of 51 PLOT TIME: 12:41:25 PM

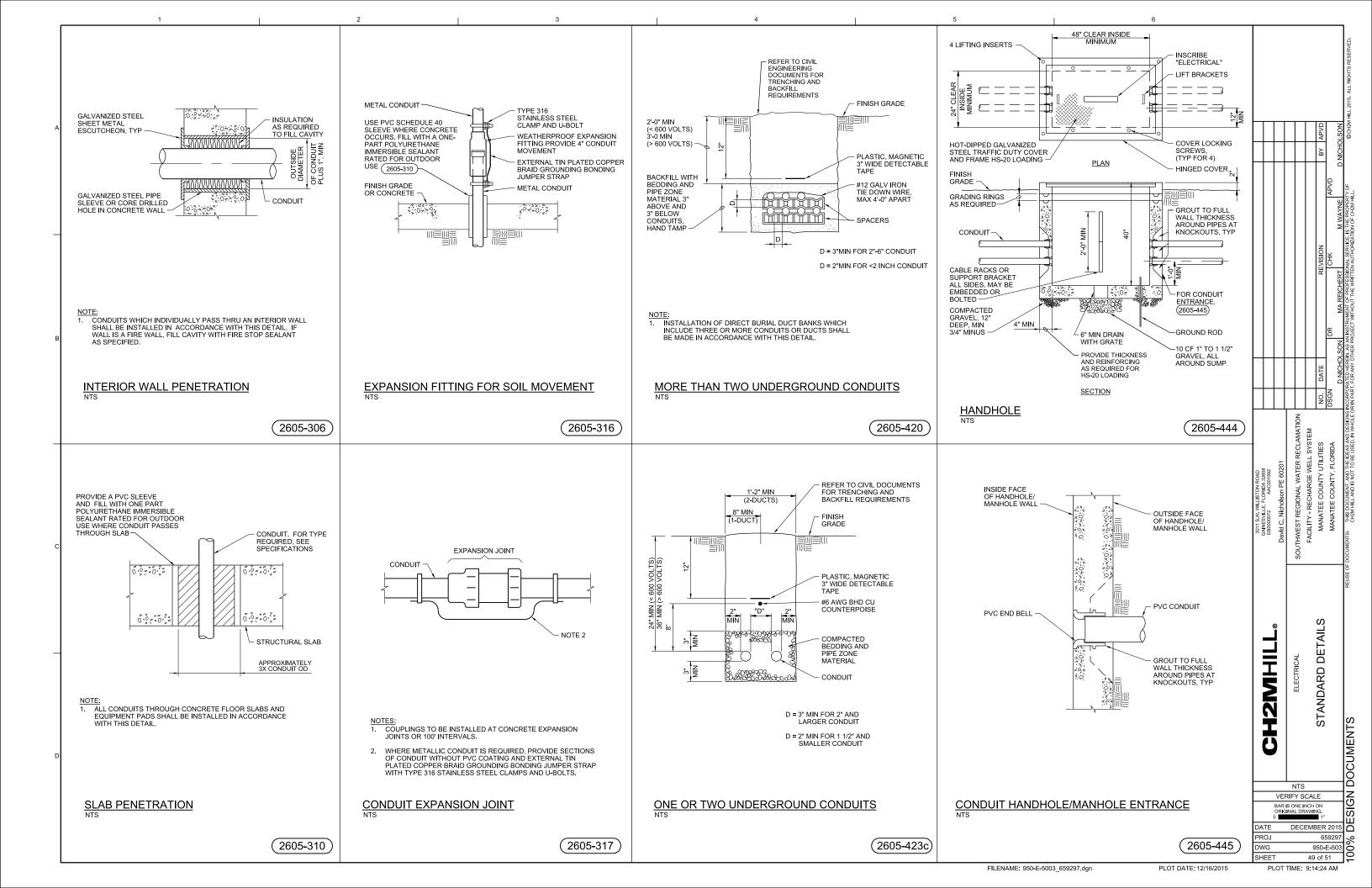
STANDARD DETAILS

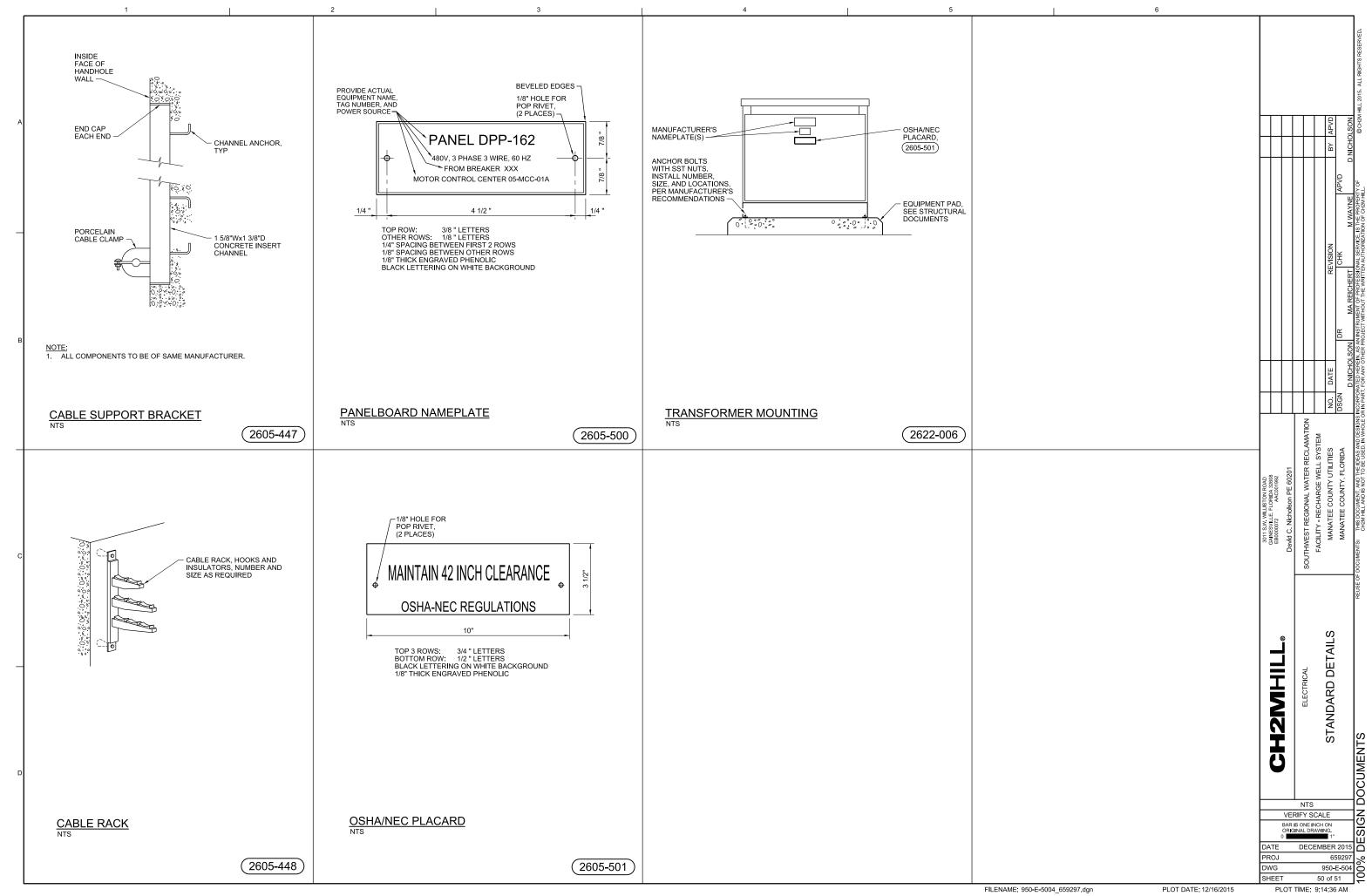
SIGN DOCUMENTS

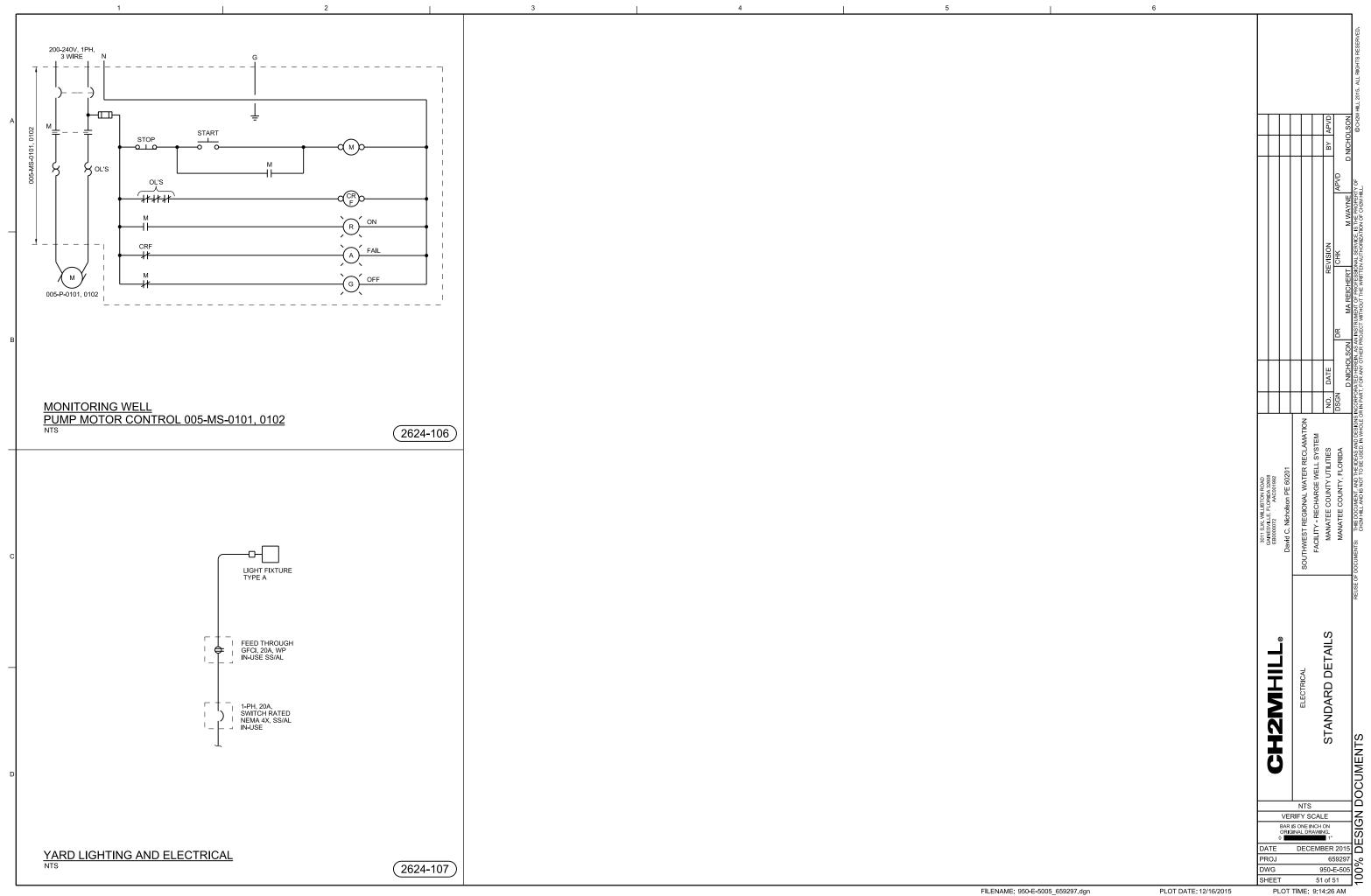
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PLOT DATE: 12/16/2015

PLOT TIME: 9:14:26 AM