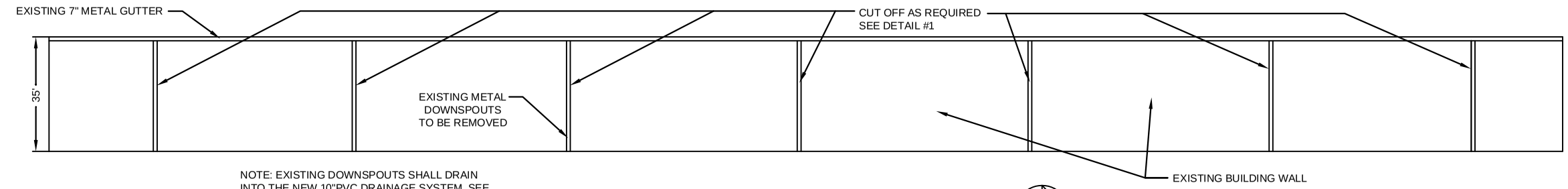
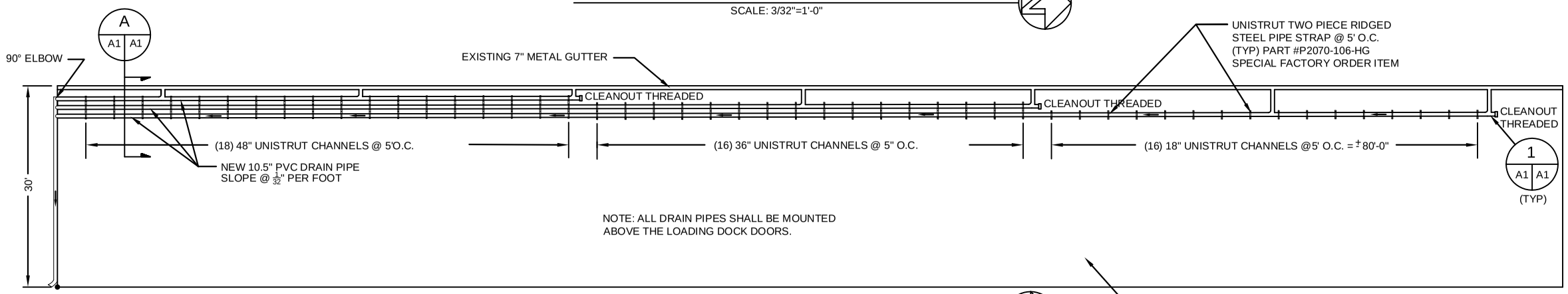


NOTE: EXISTING DOWNSPOUTS SHALL DRAIN INTO THE NEW 10"PVC DRAINAGE SYSTEM. SEE DETAIL #1

EXISTING DRAINAGE SYSTEM @ EAST SIDE OF BUILDING

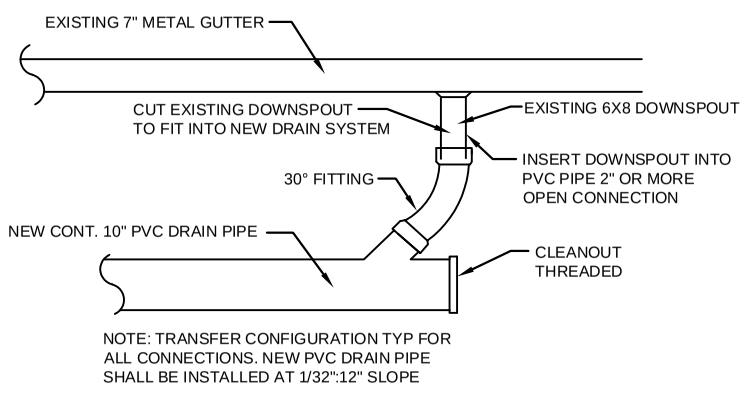
SCALE: 3/32"=1'-0"



NOTE: ALL DRAIN PIPES SHALL BE MOUNTED ABOVE THE LOADING DOCK DOORS.

NEW DRAINAGE SYSTEM @ EAST SIDE OF BLDG

SCALE: 3/32"=1'-0"

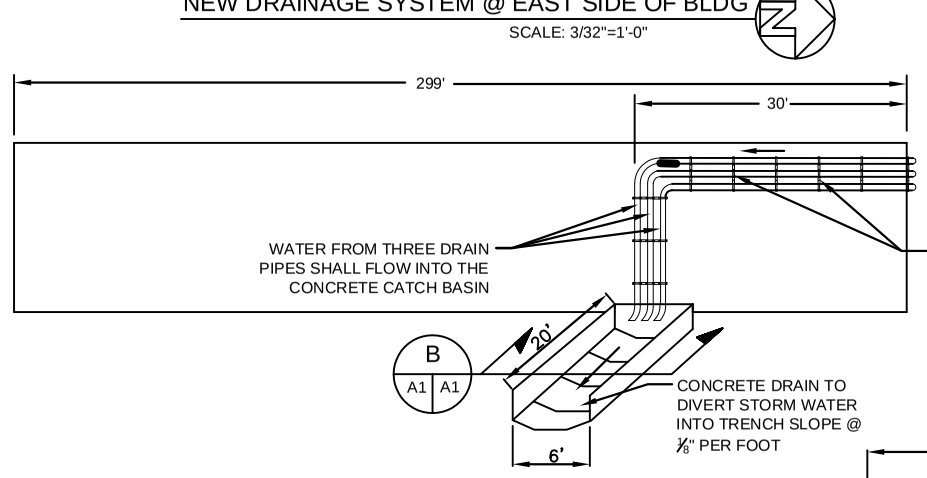


NOTE: TRANSFER CONFIGURATION TYP FOR ALL CONNECTIONS. NEW PVC DRAIN PIPE SHALL BE INSTALLED AT 1/32":12" SLOPE

DRAINAGE PIPE TRANSFER DETAIL

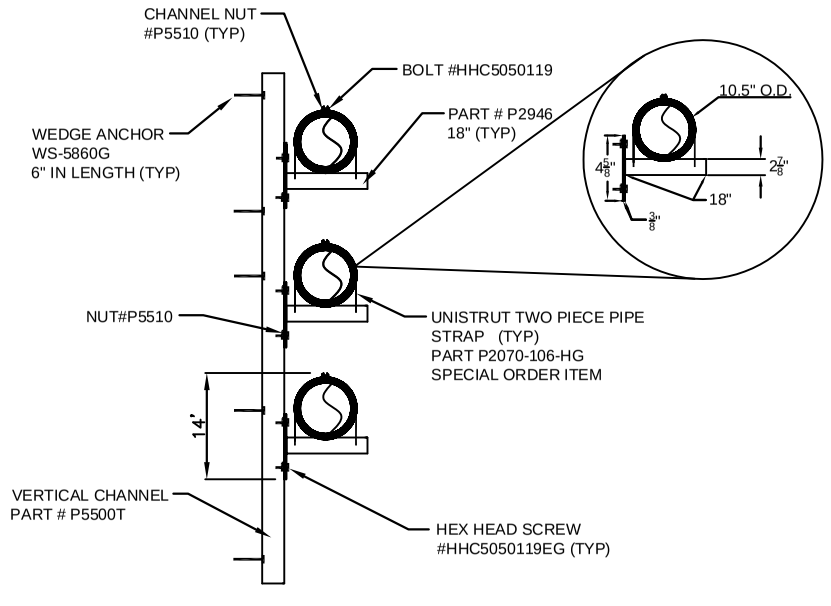
SCALE: N.T.S.

1 (A1 A1)



NEW DRAINAGE SYSTEM @ SOUTH SIDE OF BLDG

NTS

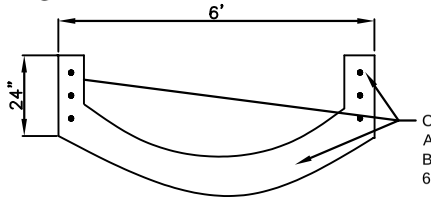


(END VIEW)

DRAINAGE PIPE MOUNTING SYSTEM DETAIL

SCALE: N.T.S.

A (A1 A1)

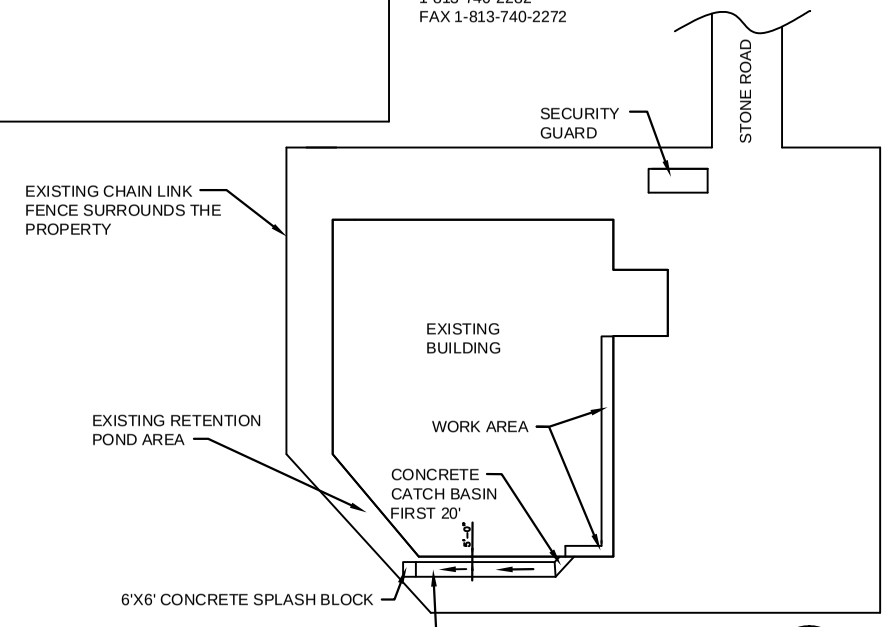


CONCRETE SHALL BE 6" THICK IN ALL AREAS WITH WIRE MESH IN BOTTOM AND #5 REBAR SPACED AT 6X12 0/1 W.W.M. IN SIDE WALLS

CROSS SECTION OF CONCRETE CATCH BASIN

(NTS)

B (A1 A1)



PARTIAL SITE PLAN

NTS

UNISTRUT PRODUCT SPECIFICATIONS

UNISTRUT MOUNTING BRACKETS ARE SPECIFIED FOR THIS PROJECT.

PRODUCT	NUMBER	LENGTH	FINISH
CHANNEL COLUMN	P5500T	24"	HG
CHANNEL COLUMN	P5500T	36"	HG
CHANNEL COLUMN	P5500T	48"	HG
CABLE TRAY BRACKET	P2946	18"	HG
PIPE STRAP * (ITEM IS A SPECIAL ORDER PART)	P2070-106-HG	10"	HG
CHANNEL NUT	P5510	-	-
HEX HEAD SCREW	HHC5050150EG	1 1/2"	-
HEX HEAD SCREW	HHC5050119EG	1"	-
END CAPS (TO BE INSTALLED ON END OF CABLE TRAY BRACKET)	P2860-55	1"	

* THIS IS A SPECIAL ORDER PIPE STRAP #P2070-106-HG. THIS STRAP WILL BE A SPECAIL ORDER DESIGNED TO HOLD THE 10" PVC PIPE USED FOR THE WATER DRAINAGE. IT WILL BE NECESSARY TO CONTACT THE MANUFACTURER REPRESENTATIVE LOCATED IN MIAMI FLORIDA FOR PRICES AND/OR PLACE YOUR ORDER. CONTACT INFORMATION IS:

UNISTRUT
KEITH MURRAY, EASTERN
REGIONAL MANAGER
MIAMI, FLORIDA
1-813-740-2282
FAX 1-813-740-2272

CONTRACTORS NOTES:

1. SLOTS IN THE VERTICAL CHANNEL ARE 1 1/2" LONG AND 9/16" WIDE. THEY ARE DESIGNED TO ACCOMMODATE A 5/8" ANCHOR BOLT WITH A WASHER. THESE CHANNELS ARE TO MOUNTED VERTICALLY ON THE FACE OF THE BUILDING AT 5' ON CENTER. THREE SIZES SHALL BE USED. BEGINNING WITH ONE DRAINPIPE ON THE RIGHT HAND SIDE OF THE BUILDING FACING, USE A 24" CHANNEL. THIS WILL REQUIRE TWO "RED HEAD" WEDGE ANCHORS. USE THE 36" CHANNEL WHERE THERE ARE TWO DRAINPIPES. THIS WILL REQUIRE THREE WEDGE ANCHORS. USE THE 48" CHANNEL FOR THE THREE-PIPE SECTION. THIS REQUIRES FIVE WEDGE ANCHORS FOR PROPER INSTALLATION. CABLE TRAY BRACKET #P2946 WILL BE BOLTED ONTO THE CHANNEL USING TWO CHANNEL NUTS #P5510 AND TWO HEX HEAD SCREWS #HHC5050150EG THAT ARE 1 1/2" LONG. PIPE STRAP #P2070-106-HG WILL BE USED TO SECURE THE PVC PIPE TO THE CABLE TRAY BRACKET. THIS WILL BE A SPECIAL ORDER PRODUCT FROM UNITSTRUT DIRECT FROM THEIR DISTRIBUTOR IN MIAMI, FLORIDA. THIS IS A TWO PIECE STRAP FASTENED AT THE TOP WITH BOLT #HHC5050119 AND NUT #P5510 (SEE LIST OF PRODUCTS TO BE USED FOR THIS PROJECT FOR CONTACT INFORMATION TO ORDER).
   FOLLOW THE RECOMMENDATIONS FOR PROPER TIGHTENING ALL BOLTS. IT IS REQUIRED THAT THESE BOLTS BE TIGHTENED TO THE FACTORY RECOMMENDED TORQUE. (SEE DRAWING FOR DETAILS). THE DESIGN CALLS FOR A 12" DROP STARTING AT THE RIGHT FRONT CORNER (WHEN FACING THE BUILDING) TO ALLOW RAINWATER TO DRAIN PROPERLY. THIS IS 1/32ND INCH PER FOOT. THE BUILDING IS 265' CORNER TO CORNER.
2. CHANNELS ARE TO BE MOUNTED VERTICALLY ALONG THE FACE OF THE BUILDING. THERE WILL BE AN INCREASE IN WEIGHT PROGRESSIVELY ACROSS THE BUILDING. THE FIRST 16 CHANNELS WILL CARRY ONE 10" PVC PIPE AND USE A 24" CHANNEL.
3. THE NEXT 16 CHANNELS WILL CARRY TWO 10" PVC PIPES AND SHALL BE 36" IN LENGTH AND BE INSTALLED USING THREE (3) WEDGE ANCHORS.
4. THE NEXT 24 CHANNELS WILL CARRY THREE (3) 10" PVC PIPES AND SHALL BE 48" IN LENGTH AND BE INSTALLED USING FIVE (5) WEDGE ANCHORS. THIS INCLUDES THE EXTENSION OF THE THREE PIPES THAT WRAP AROUND THE CORNER OF THE BUILDING AND THEN TURN DOWN 90 DEGREES WHERE THEY WILL DRAIN INTO A CONCRETE CATCH BASIN. THREE OF THE 48" CHANNELS ARE INTENDED TO BE USED HORIZONTALLY TO SUPPORT THESE DOWN DRAINS.
5. WE SPECIFY THE USE OF "RED HEAD" WEDGE ANCHORS TO INSTALL THE VERTICAL CHANNEL TO THE SIDE OF THE BUILDING. THIS BUILDING WALL IS POURED CONCRETE WITH RIVER STONE AND IS EXTREMELY HARD TO DRILL. USE WS5860G 5/8" OR SIZE 11 METRIC 6" ANCHOR BOLTS. THIS BOLT MAY BE ANCHORED DRILLING A HOLT 3 1/2" DEEP INTO CONCRETE. THE MANUFACTURER RECOMMENDS EXPANDING THE ANCHOR BY TIGHTENING THE NUT THREE TO FIVE ROTATIONS. DO NOT USE A LUBRICANT.
6. WEDGE ANCHOR BOLTS, OR RED HEADS, ARE DISTRIBUTED BY AUTOMATIC FASTNERS, 101 27TH STREET, KENNER, LA 70062. 504-466-4960
7. UNISTRUT IS LOCATED IN DETROIT MICHIGAN. CLOSEST SALES OFFICE IS LOCATED IN TAMPA, FLORIDA. KEITH MURRAY, EASTERN REG. MGR. 1-813-740-2282. FAX 1-813-740-2272.
   TECHINICAL ASSISTANCE IS AVAILALE FROM UNISTRUT OFFICES AT 1-800-521-7730 X4015. ALL PRODUCTS ON THE DRAWINGS ARE RECOMMENDED BY UNISTRUT ENGINEERS.
8. USE SCHEDULE 80 PVC 10" PIPE AND FITTINGS. ALL CONNECTIONS ARE TO BE CLEANED AND CEMENTED EXCEPT FOR THE CLEANOUT WHICH SHOULD BE THREADED..
9. RECOMMENDED BOLT TORQUE 1/2" BOLT TO 50 FOOT LBS. USE NO LUBRICANT.
10. WEDGE ANCHOR MFG. RECOMMENDS THE NUT BE TURNED 3-5 ROTATIONS.

DAMMON ENGINEERING, INC.
EMMETT DAMMON
ARCHITECT
ROBERT SOLLBERGER
1095 FLORIDA AVENUE
SLIDELL, LA. 70458
985-649-5832
WEBSITE:
WWW.DAMMONENGINEERING.CO
EMAIL:
DAMMONENG@BELLSOUTH.NET

ARCHITECTURE
ENGINEERING
STUDIES
PLANNING
INVESTIGATION
EXPERT WITNESS

NEW DRAINAGE SYSTEM

TEXTRON MARINE
STONE ROAD
SLIDELL, LA

DRAINAGE PLAN

REV:

SCALE: AS NOTED
JOB#: 1881
DATE: 8-3-07
SHEET

A-1

OF