

**ADDENDUM NO. 1  
REQUEST FOR PROPOSAL NO. 034-2023-SW-R003**

**Thurston County Public Works Department  
Solid Waste Division**

**TO:** All Respondents  
**FROM:** Dawn Ashton, Procurement and Contract Specialist  
**CLOSING DATE:** February 13, 2023 at 3:00 p.m. PT (CHANGED)  
**REF NO.:** RFP 034-2023-SW-R003 – Solid Waste Stationary Compactor Replacement  
**DATE:** January 16, 2024

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In response to Pre-proposal Inquiries received, the following information is provided to assist in responding to the above referenced request for proposal:

**QUESTIONS AND RESPONSES**

<p><b>1. Question:</b> Ref Section 4.2.3A notes that facilities power/utilities would be available at a rate, what would that rate be? This would be for 120V outlet power for things like charging batteries for cordless tools and water for grouting of the pedestals</p> <p><b>Answer:</b> RFP Section 4.23 Availability and Use of Utility Services is modified to read: “County shall make all reasonable utilities available to Contractor from existing outlets and supplies, as specified in Contract Documents at no cost to the Contractor.” All other wording to be deleted.</p>
<p><b>2. Question:</b> Ref Section 5.4 B lists final drawings stamped by a Professional Structural Engineer for things like compactor supports including seismic calculations. This will require information from the County on soil condition/bearing and existing structural drawings of the foundations under the compactor pedestals. Can the County provide this information (likely in the ‘Structural’ drawings for the transfer station)?</p> <p><b>Answer:</b> Attached are the structural drawings. Thurston County is working on retrieving geotechnical reports which will be provided under separate addendum.</p>
<p><b>3. Question:</b> The operator control panel is described in Appendix A section 3 ‘Operator Control Panel’ as located as per the direction of the County. Will the operator control panel be located in the shed that the existing OCP is located, or in another location? If another location, approximately how far will it be from the current OCP location?</p> <p><b>Answer:</b> The Operator Control Panel will replace the existing in the same location which is the shed/booth adjacent to the compactor.</p>
<p><b>4. Question:</b> Ref Page A-8, para d requests the ability to override preset weight limits to produce heavier bales. Is this something that will need to be done after a bale is complete or during the bale building process or is it something that is done before that specific bale is started? There are some technical limitations to this, so we want to understand the reasoning behind the request so that we make sure that we can address it correctly.</p> <p><b>Answer:</b> Bale target characteristics shall be adjustable prior to specific bale being started.</p>

**5. Question:** Ref page A-8, para e requests the ability to change the weight, length and compaction goals between the first and second bale. The 4500 SPH compactor is a single bale system – a two bale system would typically be the smaller 2500 SPH model. Similar to the question above – what is the driver or goal of the request? We want to make sure that we understand the requirement as it looks to be not applicable as written.

**Answer:** Bale target characteristics shall be adjustable prior to specific bale being started. Revise language to state “each” bale in lieu of “first and second” bale.

**6. Question:** Ref page A-9, para h requests SCADA communication over Compact Logix – this is a model of PLC, most Allen Bradley products communicate over EthernetIP – is this the requested communication protocol? We can support communication with an EthernetIP network this via a gateway device as our PLC is Siemens, with a PROFINET communication protocol. The gateway device ‘translates’ between the two communication protocols allowing for bidirectional data sharing and is typically how we address SCADA communications between different networks. Also, please note that both the SCADA connection and the secure modem will need separate data connections (one inside the network, the other with an outside connection).

**Answer:** This will be answered in a future Addendum.

**7. Question:** Ref page A-10, para 6a requests a trailer latch that will accommodate both 48’ and 53’ trailers. Is the connection point for the trailer latch on the different trailer sizes the same for both in relation to the trailer box interface with the compactor? The standard trailer latch is a fixed location, so we want to know if it will need to accommodate two connection locations.

**Answer:** This will be answered in a future Addendum.

**8. Question:** Ref page A-12, para 4c lists testing the unit for capacity over a full day. This would require 960 tons of waste to be available for the 1 day test. Because of the amount of waste that this style of test would require, we often request several ‘burst’ tests – showing that we can build 4 - 30+ ton trailer loads in 1 hour to demonstrate the 120tph throughput – will this be acceptable?

**Answer:** County agrees with this alternative demonstration method.

**9. Question:** Ref page A-13 Part 4 lists a 3 year warranty for the unit. Extended warranties like this would require ensuring that periodic maintenance is being done properly. Does the county wish to enter into a maintenance contract with the proposer as a part of this warranty? For other municipalities that have requested extended warranties like this, we typically require a maintenance contract so that we can at least be onsite to inspect and ensure that periodic maintenance and adjustments are being done correctly and on time.

**Answer:** County does desire the extended 3 year warranty inclusive of periodic maintenance. There is a separate line item in the bid schedule to price this effort.

**STRUCTURAL NOTES**

**GENERAL**

THE UNIFORM BUILDING CODE, 1997 EDITION AS AMENDED BY THURSTON COUNTY SHALL GOVERN THE PROJECT DESIGN AND CONSTRUCTION.

**DESIGN CRITERIA**

- LATERAL LOADS: SEISMIC ZONE 3  
WIND, METHOD 2, EXPOSURE C, 80 MPH
- LIVE LOADS: ROOF 20 PSF SNOW 25 PSF  
OFFICE 50 PSF STAIRS 100 PSF  
STORAGE 125 PS EXISTS 100 PSF  
OPERATING EQUIPMENT PER THE MANUFACTURER SPECIFICATIONS
- DEAD LOADS: TO INCLUDE MEMBER AND COLLATERAL
- SOILS: ALLOWABLE BEARING 3000 PSF  
SOIL WT 135 PCF COEFFICIENT OF FRICTION 0.4  
ACTIVE EARTH PRESSURE, 35 PCF (RETAINING)  
ACTIVE EARTH PRESSURE, 55 PCF (RESTRAINED)  
PASSIVE EARTH PRESSURE 300 PCF

**FOUNDATION - EXCAVATION**

REMOVE TOP SOIL, PEAT AND ORGANIC MATERIAL AND EXTEND THE FOOTINGS TO FIRM, UNDISTURBED SOIL. EXTERIOR FOOTINGS TO BE FOUNDED 12" MINIMUM BELOW THE FINISHED GRADE. PROVIDE STRUCTURAL FILL AS REQUIRED. IF OVER-EXCAVATION OCCURS, BACK-FILL WITH A GRANULAR MATERIAL COMPACTED TOP 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557-10.

**CONCRETE**

CONCRETE SHALL ATTAIN A 28 DAY STRENGTH FOR  $f'c = 3000$  PSI ON ALL WORK WITH A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD. AIR CONTENT 1 1/2%. WATER REDUCERS AND/OR PLASTICIZER MAY BE USED PER ASTM C-494.

**STEEL REINFORCING**

REINFORCING STEEL SHALL CONFORM TO ASTM A-615-68, GRADE 60, UNLESS OTHERWISE CALLED FOR ON THE PLANS. LAP ALL CONTINUOUS BARS 30 BAR DIAMETERS MINIMUM. PROVIDE CORNER BARS AT ALL WALL INTERSECTIONS TO MATCH NORMAL HORIZONTAL REINFORCING. LAP CORNER BARS 30 DIAMETER. ALL SLABS SHALL HAVE REINFORCING. (REINFORCING BARS OR WELDED WIRE FABRIC.)

CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

- FOOTINGS, UNFORMED OR EARTH SURFACE 3'
- FORMED SURFACES CONTACTING EARTH 2'
- WEATHER EXPOSED SURFACES 1 1/2'
- WALL, SLABS AND/OR INTERIOR FACES 3/4'

**CONCRETE MASONRY (REINFORCED)**

MASONRY WORK SHALL BE CONSIDERED REINFORCED, FULLY GROUTED AND INSPECTED.

MASONRY UNITS SHALL BE GRADED N-1 CONFORMING TO ASTM C-90/75 WITH  $f_m = 1350$  PSI. ALL UNITS SHALL BE THE SAME SIZE AND WEIGHT.

MORTAR/GROUT SHALL HAVE A 28 DAY STRENGTH OF  $f'c = 2500$  PSI. MORTAR SHALL BE A SAND MIXTURE. GROUT MAY HAVE A 3/8" PEA GRAVEL WITH THE NECESSARY SLUMPS.

VERTICAL REINFORCING SHALL BE AS ADVISED ON THE PLAN AND SHALL BE NO LESS THAN #4 BARS AND 24" CENTERS.

HORIZONTAL REINFORCING SHALL RUN IN CONTINUOUS BOND PATTERNS AND SHALL BE 3/16" TRUSS TYPE LAID EVERY OTHER HORIZONTAL MORTAR JOINT. ALL CORNERS SHALL BE CONTINUOUS AROUND THE CORNER AND AT INTERSECTIONS. PROVIDE HORIZONTAL BOND BEAMS AT EACH 4' LEVEL STARTING 4' FROM FLOOR. #4 AT TOP. LAP REINFORCING 30 BAR DIAMETERS.

**STRUCTURAL STEEL**

STRUCTURAL STEEL, INCLUDING PLATES, ANGLES AND MISCELLANEOUS SHAPES SHALL CONFORM TO ASTM A-36,  $F_y = 36$  ksi. STEEL TUBE AND PIPE SHALL CONFORM TO ASTM A-500 OR -501, GRADE B,  $F_y = 42$  ksi. STEEL TO BE PAINTED SHALL BE SHOP-PAINTED WITH ZINC CHROMATE OR EQUAL. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH ASIC SPECIFICATIONS.

THE METAL BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE METAL BUILDING ASSOCIATION CRITERIA AND WITH CONSIDERATION OF AISC SPECIFICATIONS FOR STRUCTURAL STEEL AND LIGHT-GAGE COLD FORMED STEEL. THE BUILDING DESIGN SHALL CONSIDER A:

- 25 PSF SNOW LOAD
- 80MPH WIND WITH EXPOSURE C
- 5 PSF COLLATERAL LOAD
- APPLICABLE 1997 UBC

METAL STUDS AND JOISTS SHALL BE COLD FORMED STEEL SHEET CONFORMING TO ASTM 446, GRADE A,  $f_y = 33$  ksi OF 18 OR 20 GAGE OR AS NOTED ON THE DRAWINGS.

**ALL WELDING**

ALL WELDING SHALL BE ACCORDANCE WITH ASIC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO-CERTIFIED WELDERS. ALL WELDS SHALL BE 3/16" FILLET MINIMUM UNLESS OTHERWISE DETAILED OR NOTED ON THE PLANS (MINIMUM E60 ELECTRODES). ALL HANGERS, EMBEDS, ANCHORS AND/OR BOLTS SHALL MEET THE MINIMUM SET REQUIREMENTS OF UBC AND SHALL BE CONFIRMED FOR ADEQUACY.

**SPECIAL INSPECTION**

THE CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING LABORATORY TO PERFORM INSPECTION PER THE 1997 UBC, SECTION, 1008, ETC.

**SPECIAL CONDITIONS**

THE CONTRACTOR SHALL VERIFY ALL DIMENSION IN THE FIELD. THEY SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING OF STRUCTURAL MEMBERS AS NEEDED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO PLACING OR INSTALLING EQUIPMENT CREATING A HEAVY POINT LOAD. THE OWNER SHALL BE MADE AWARE OF ANY CONFLICTS OF MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION OR OTHER ITEMS WHICH ARE IN CONFLICT WITH THE STRUCTURE.

**SPECIAL NOTE**

THE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO THE REVIEW BY THE OWNER AND DESIGNER. IF ANY ERRORS OR OMISSIONS SHOULD IN THE DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS, THE CONTRACTOR SHALL INFORM THE OWNER AND DESIGNER BEFORE PROCEEDING WITH THE ITEMS OF WORK. VERIFY ALL CHANGES PRIOR TO COMPLETING WORK.

**REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE:**

NOTE: TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12' DEPTH OF CONCRETE CAST BELOW THEM.  
IF CLEAR CONCRET COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 3 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 43%

BAR SIZE	$f'c = 3000$ PSI		$f'c = 4000$ PSI	
	TOP BAR	OTHER BARS	TOP BAR	OTHER BARS
#3	16'	13'	14'	12'
#4	22'	17'	19'	15'
#5	27'	21'	23'	18'
#6	35'	27'	31'	24'
#7	48'	37'	42'	32'
#8	63'	49'	55'	42'

BAR SIZE	$f'c = 3000$ PSI		$f'c = 4000$ PSI	
	TOP BAR	OTHER BARS	TOP BAR	OTHER BARS
#3	21'	16'	18'	16'
#4	28'	22'	24'	19'
#5	35'	27'	30'	23'
#6	46'	35'	40'	31'
#7	63'	48'	54'	42'
#8	82'	63'	71'	55'

BAR SIZE	$f'c = 3000$ PSI		$f'c = 4000$ PSI	
	TOP BAR	OTHER BARS	TOP BAR	OTHER BARS
#3	6'		6'	
#4	8'		7'	
#5	10'		9'	
#6	12'		10'	
#7	14'		12'	
#8	16'		14'	

NOTE: 1. SIDE COVER MUST BE EQUAL TO OR GREATER THAN 2 1/2"  
2. END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2"

BAR SIZE	$f'c = 3000$ PSI		$f'c = 4000$ PSI	
	TOP BAR	OTHER BARS	TOP BAR	OTHER BARS
#3	7'		6'	
#4	9'		8'	
#5	11'		9'	
#6	13'		11'	
#7	15'		13'	
#8	17'		15'	



Revised: 10-4-93  
Drawing: 81-21-Struct-010-010

NO.	DATE	BY	APPR.	REVISIONS
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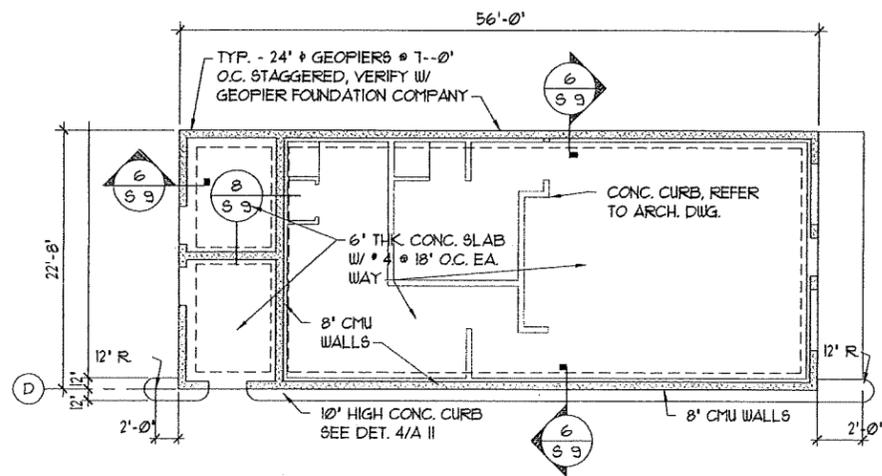
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**CONSTRUCTION SET**

**KPG** Architecture  
Landscape Architecture  
Civil Engineering  
753 9th Avenue North  
Seattle, WA 98109 (206) 286-1640

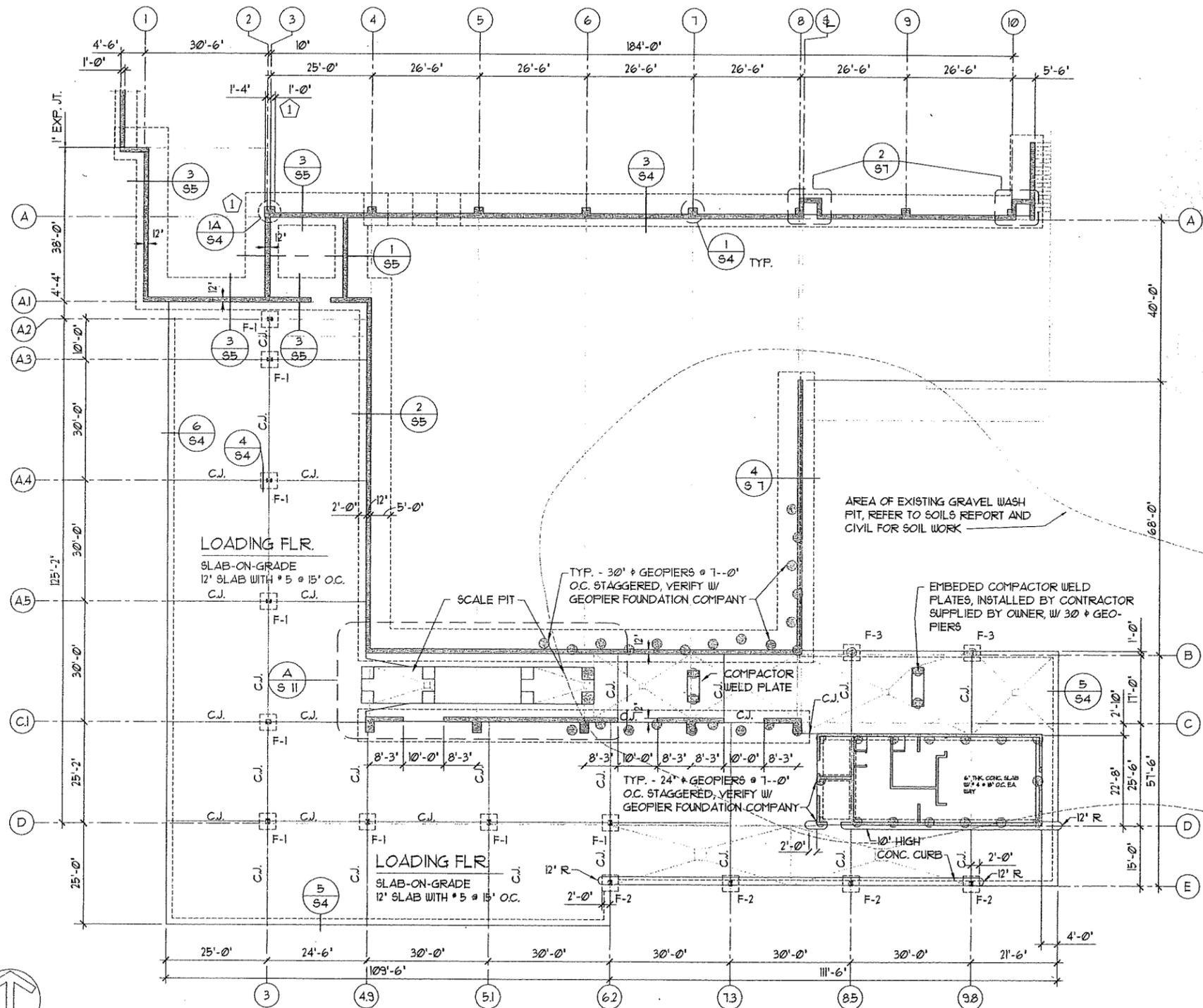
**THURSTON COUNTY TRANSFER STATION**  
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TRANSFER STATION BUILDING  
STRUCTURAL GENERAL NOTES  
SCALE: - SHT S1 OF 74



ENLARGED EMPLOYEE FACILITY FOUNDATION PLAN  
SCALE: 1/16" = 1'-0"

FOOTING SCHEDULE				
MARK	L X W X D	REINFORCING	DETAIL/SECTION	REMARKS
F-1	4'-0" X 4'-0" X 12"	4-#5 EACH WAY	4/S 4	
F-2	4'-0" X 4'-0" X 12"	4-#5 EACH WAY	5/S 4	12" HIGH FLYNTH W/ 4-#5 VERT
F-3	4'-0" X 4'-0" X 12"	4-#5 EACH WAY	5/S 4	12" HIGH FLYNTH W/ 4-#5 VERT, W/ 24" # GEOPIER



LOADING LEVEL FOUNDATION & SLAB PLAN  
SCALE: 1/16" = 1'-0"

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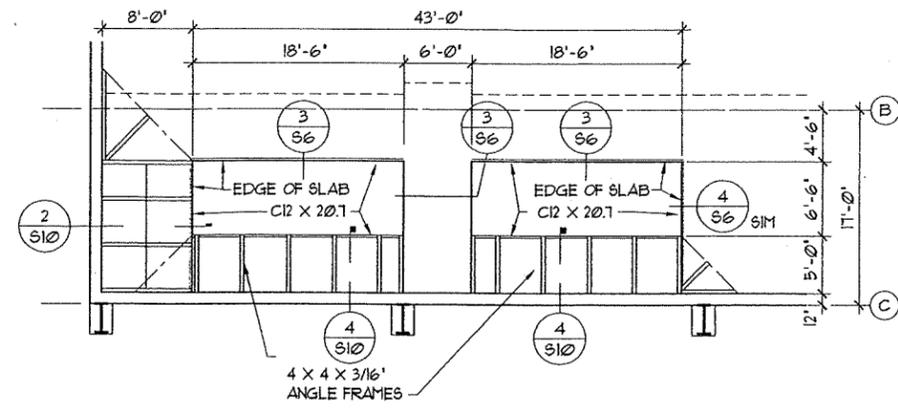
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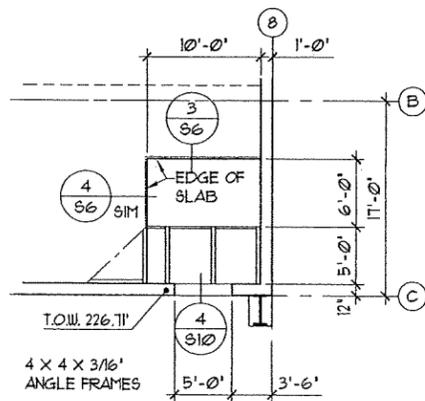
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LOADING FLOOR LEVEL  
FOUNDATION PLAN

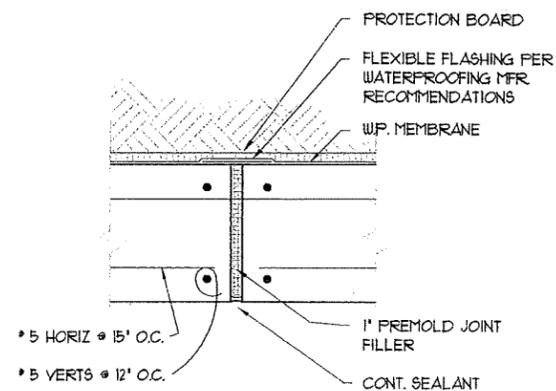
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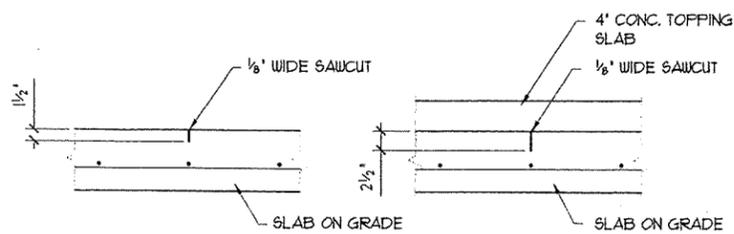
**A** CHUTE FRAMING PLAN  
S3 SCALE: 1/8" = 1'-0"



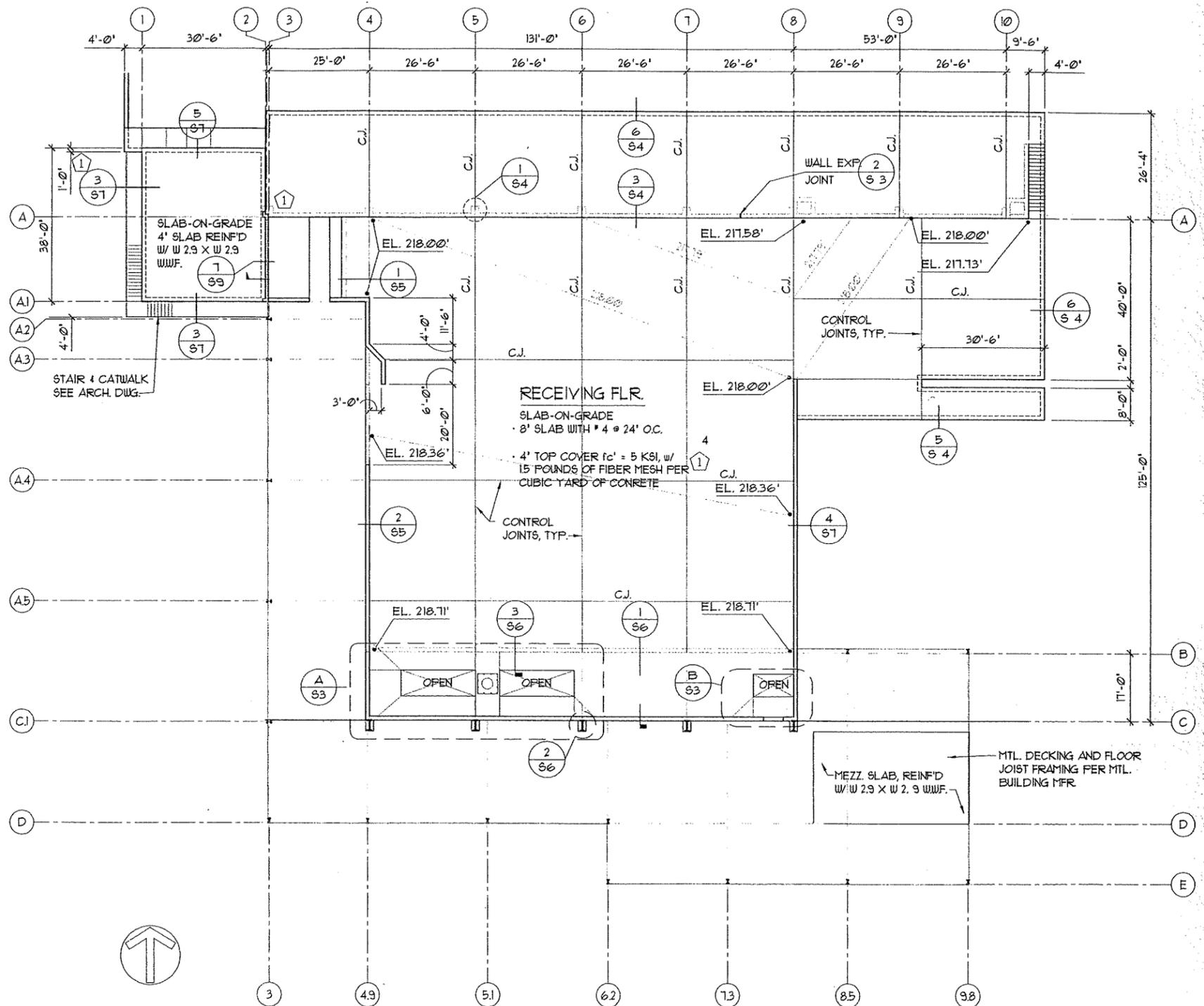
**B** CHUTE FRAMING PLAN  
S3 SCALE: 1/8" = 1'-0"



**2** TYP. WALL EXPANSION JOINT  
S3 NO SCALE



**1** TYP. CONTROL JOINT DETAIL (C.J.)  
S3 NO SCALE



RECEIVING & TIPPING LEVEL FOUNDATION PLAN  
SCALE: 1/16" = 1'-0"

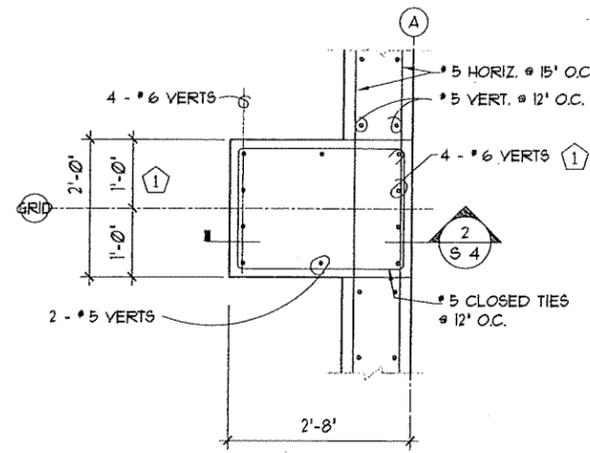
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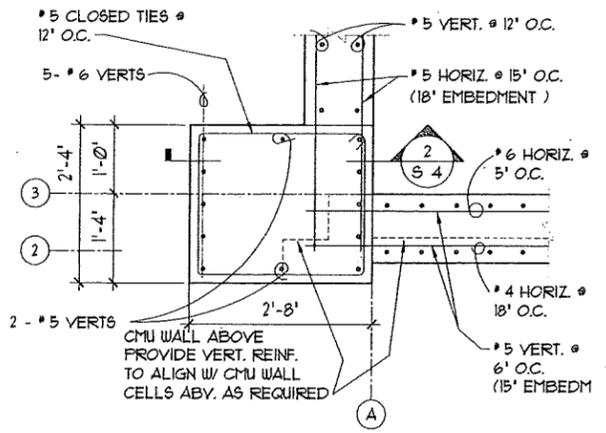
**KPG** Architecture  
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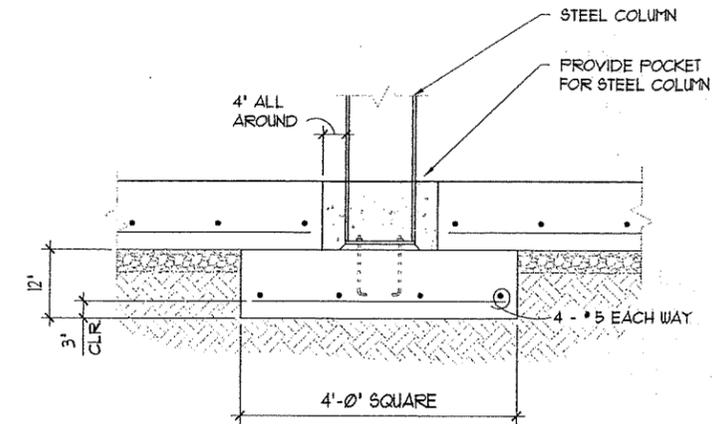
TRANSFER STATION BUILDING  
RECEIVING & TIPPING LEVEL  
FOUNDATION PLAN  
SCALE: - SHT S3 OF 74



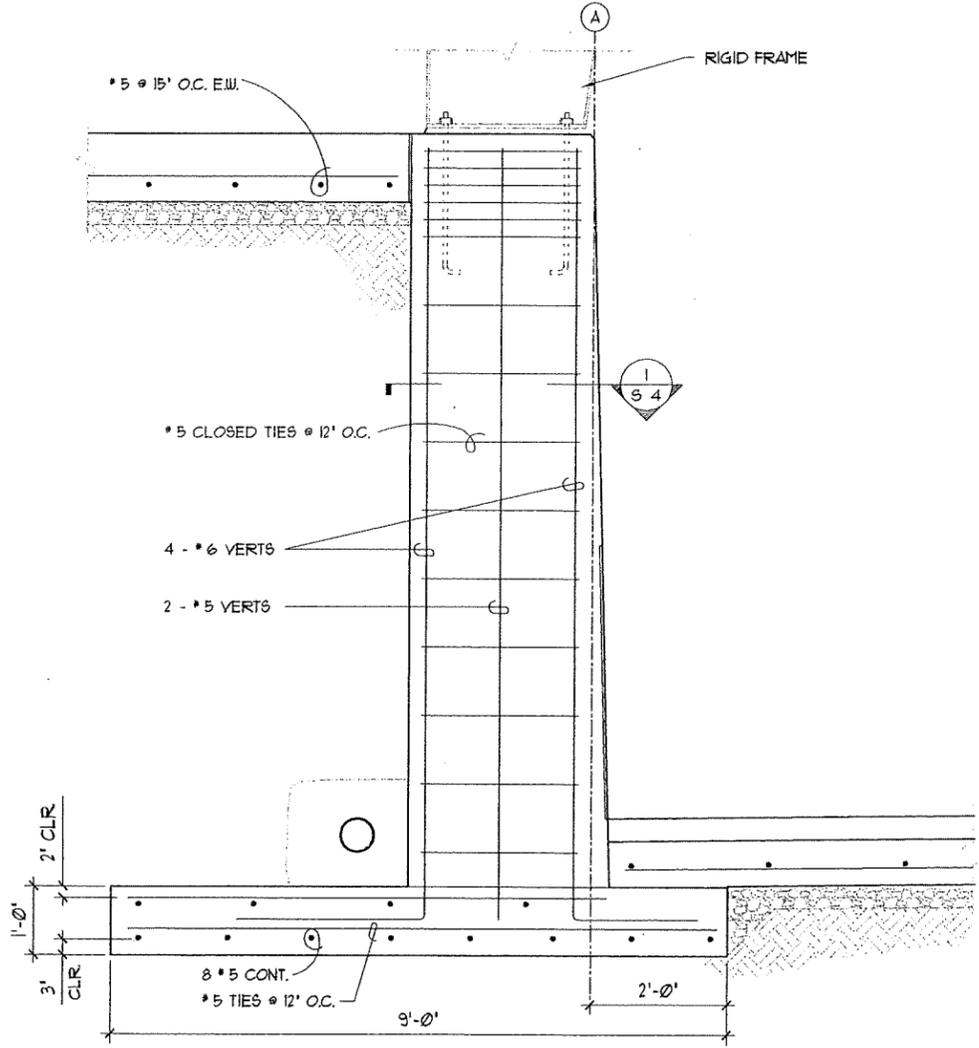
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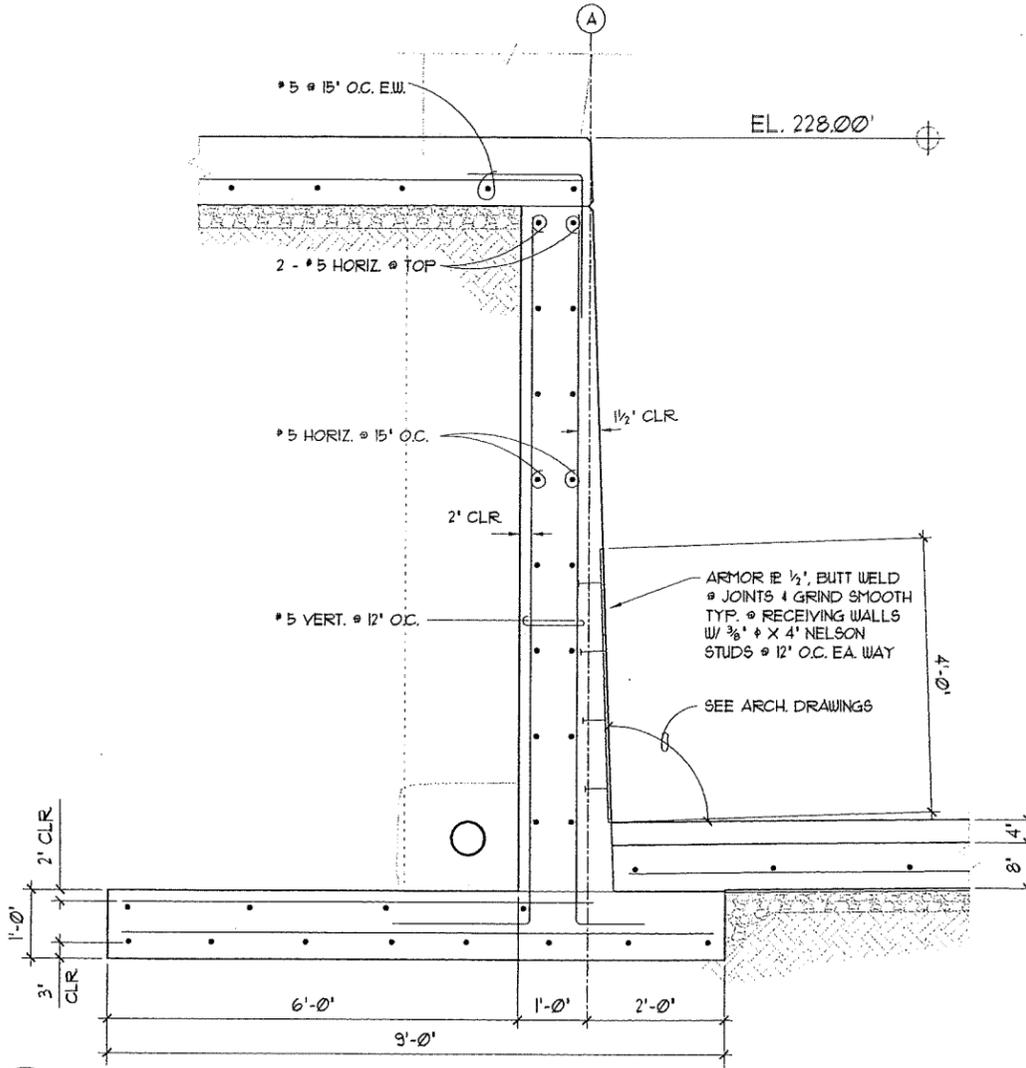
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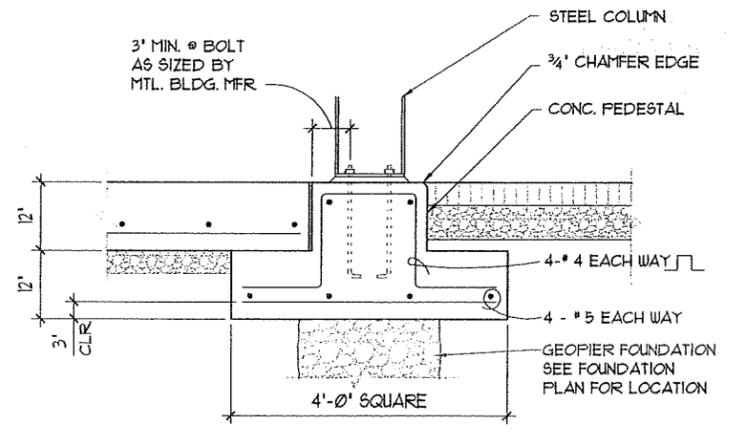
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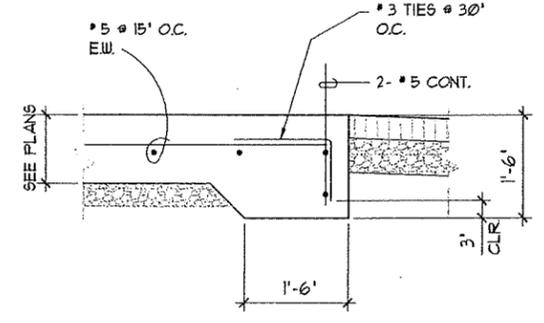
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3 SECTION  
SCALE: 3/4" = 1'-0"



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



6 TYPICAL SLAB EDGE DETAIL  
SCALE: 3/4" = 1'-0"



REVISIONS			
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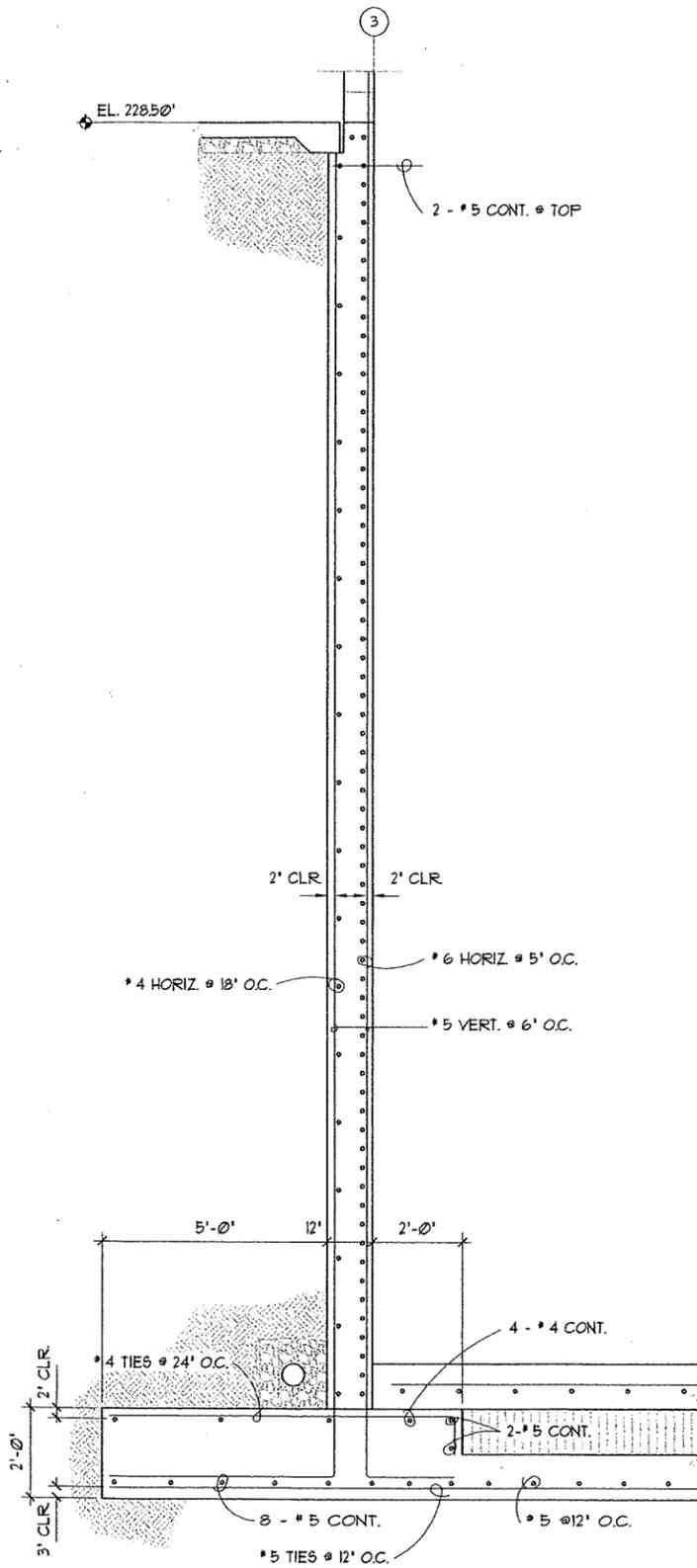
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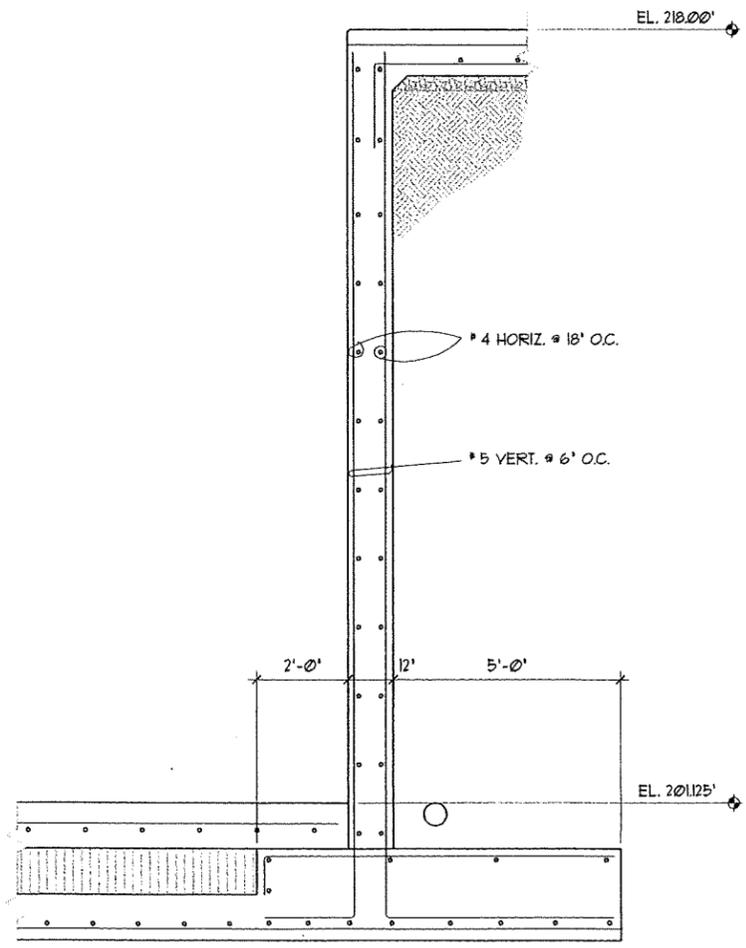
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TRANSFER STATION BUILDING  
SECTIONS & DETAILS

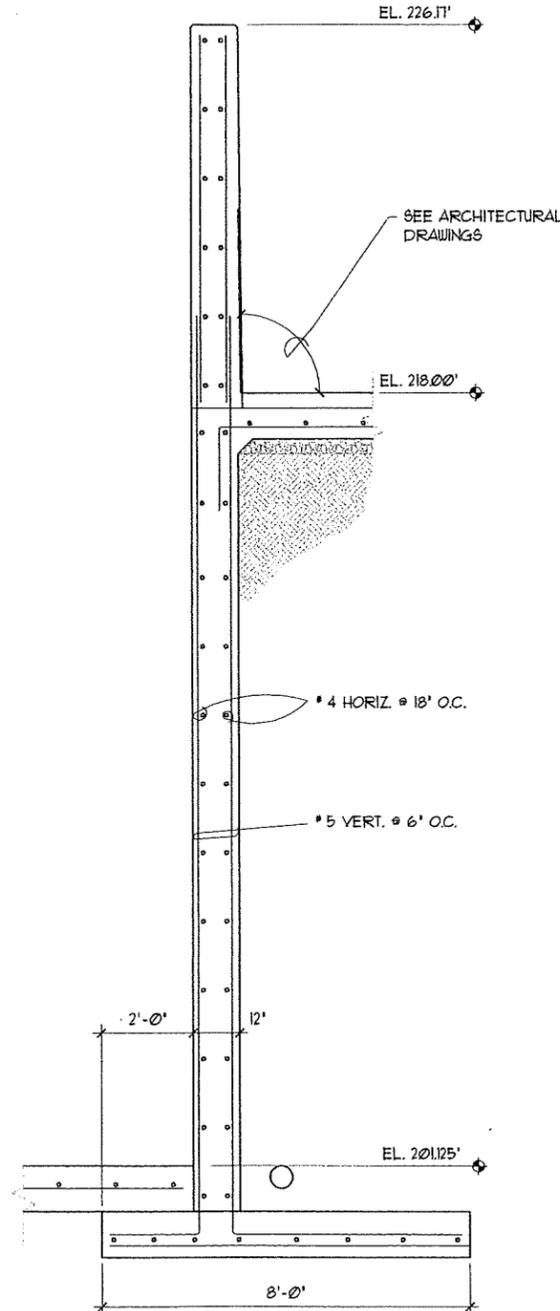
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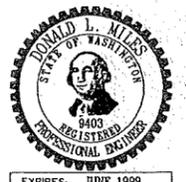
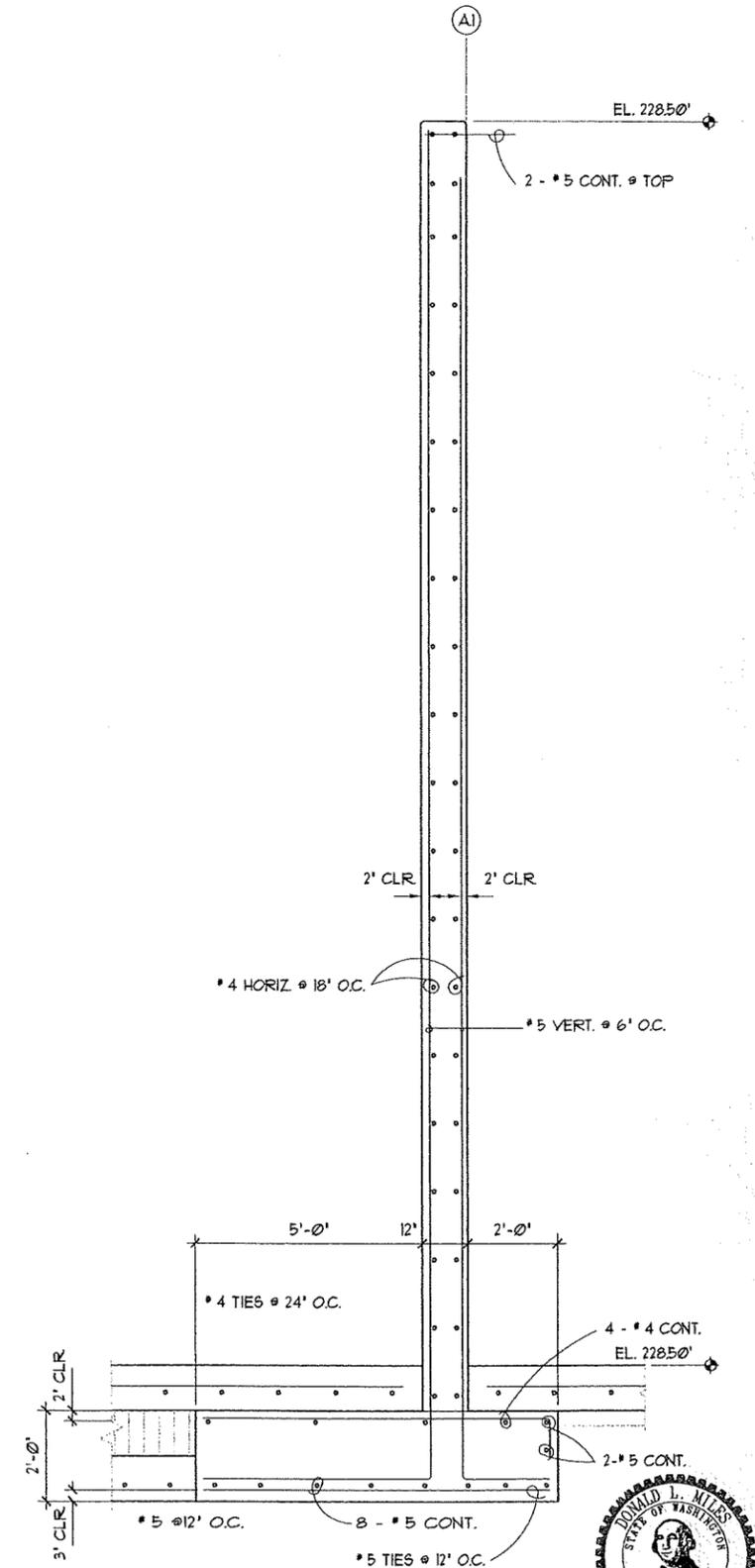
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2 SECTION  
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3 SECTION  
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March 08, 1999 10:42:00 am  
Drawing: 01-25-05-01-00-00

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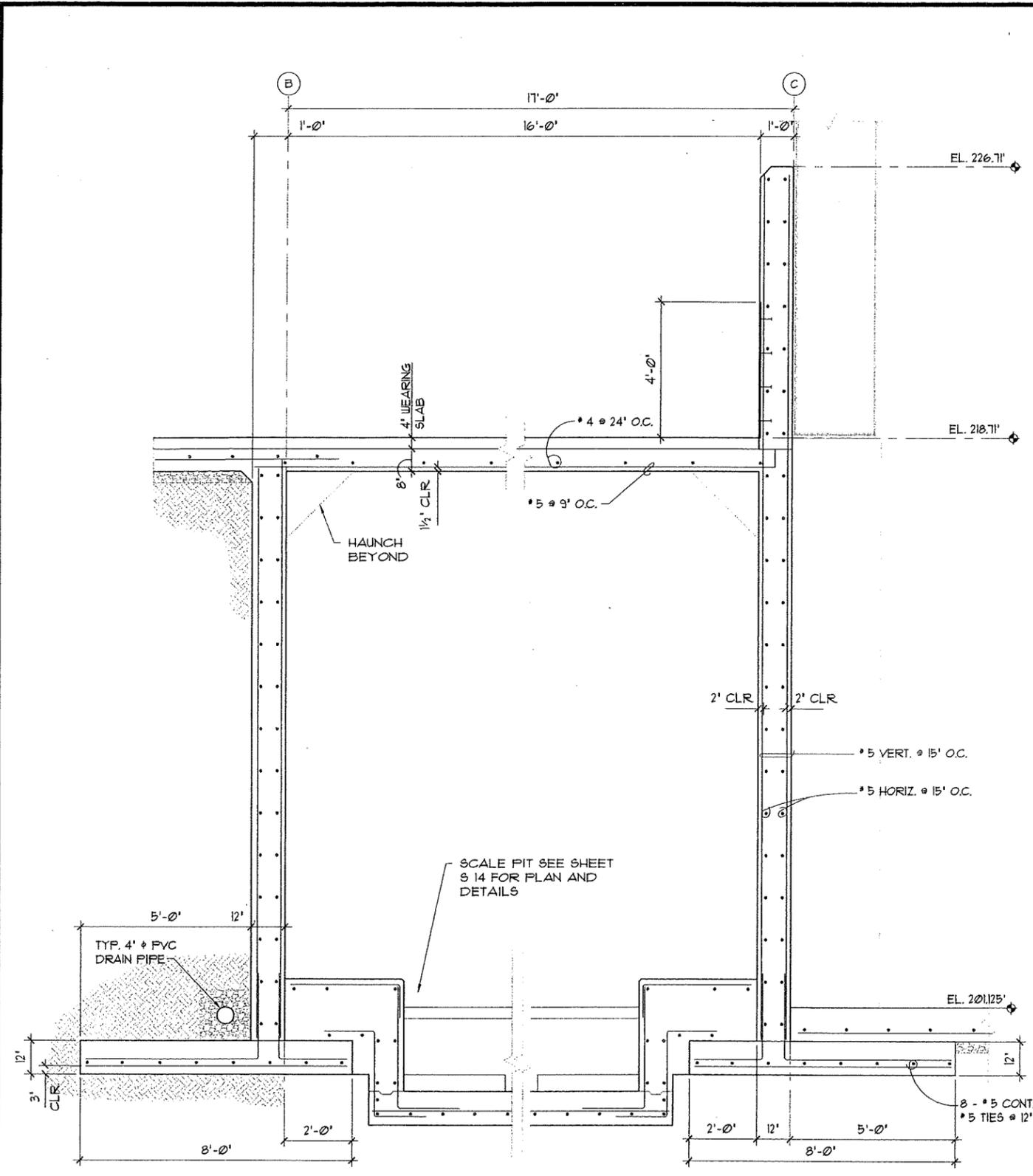
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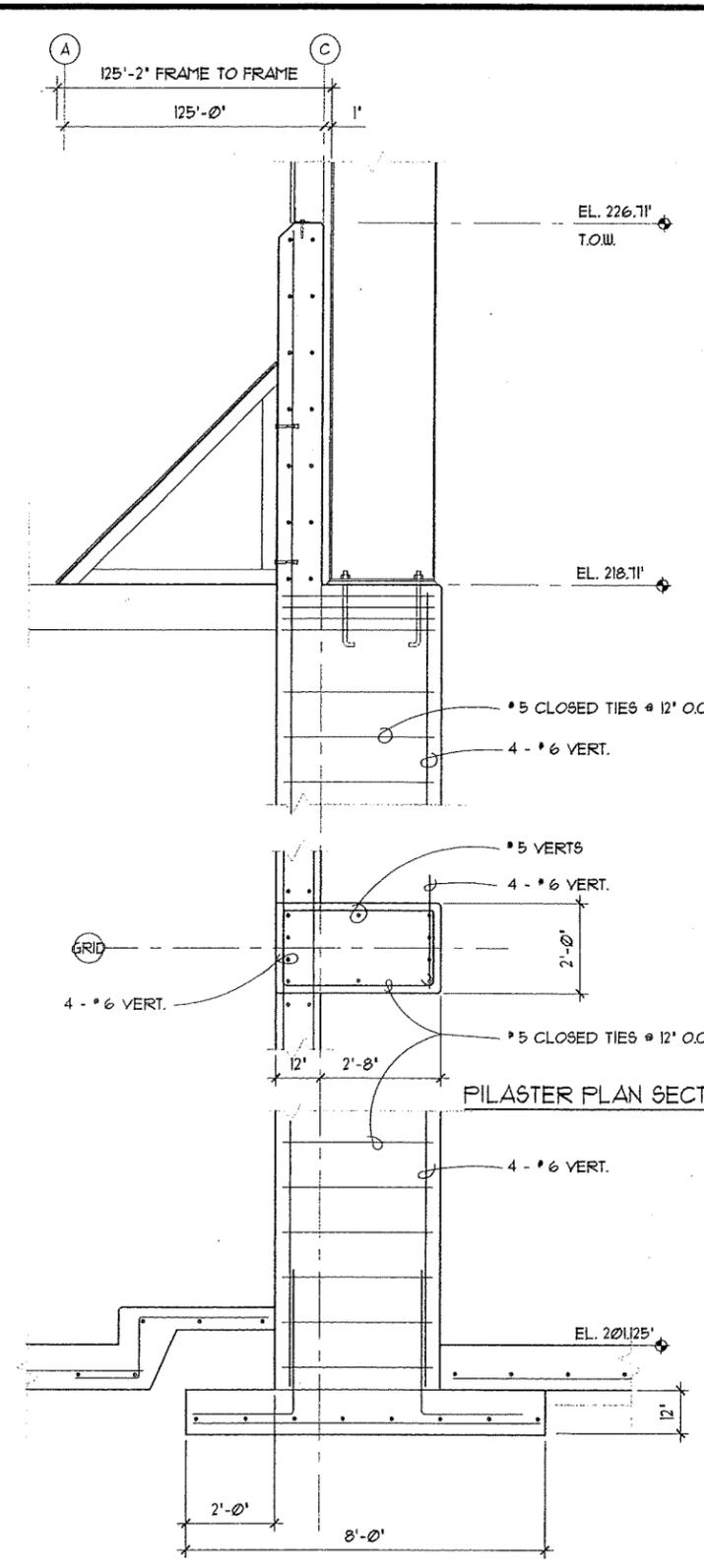
**THURSTON COUNTY TRANSFER STATION**  
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TRANSFER STATION BUILDING  
WALL SECTIONS

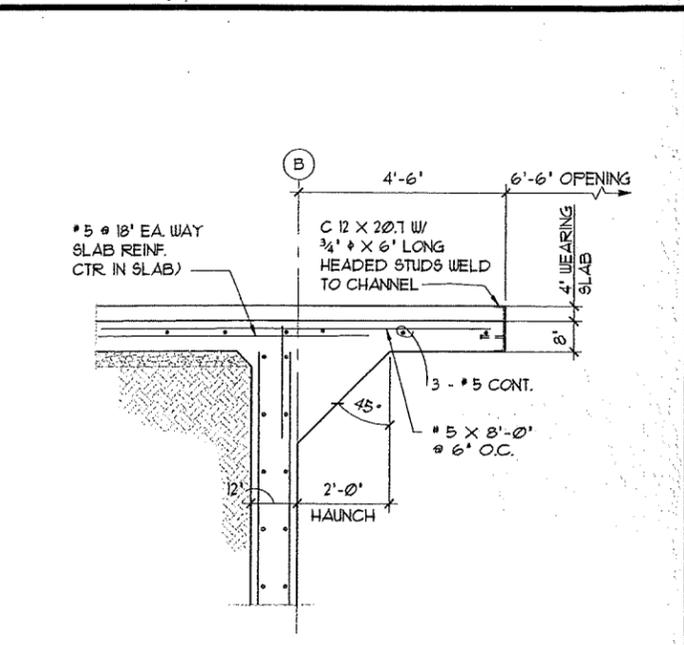
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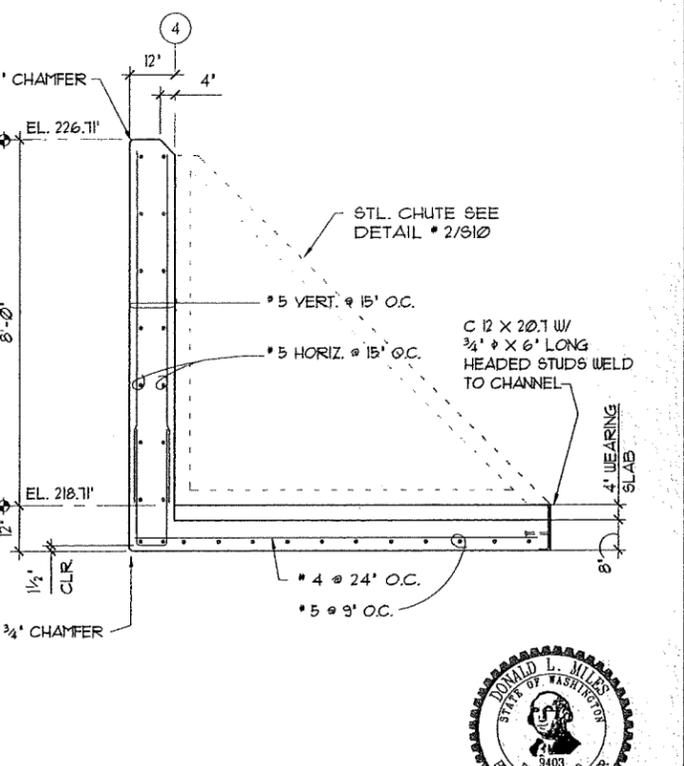
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2 SECTION  
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3 SECTION  
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4 SECTION  
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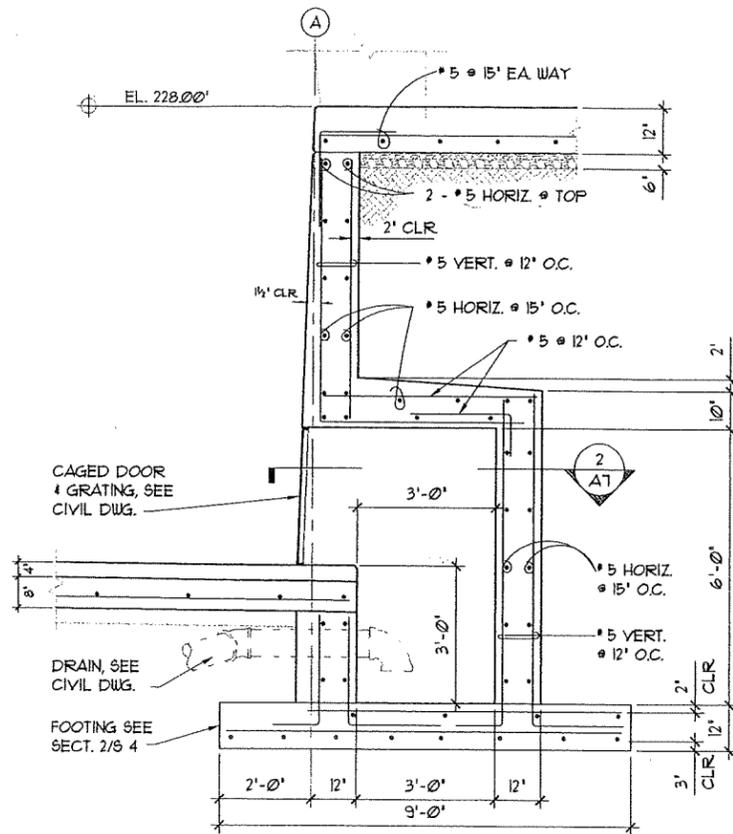
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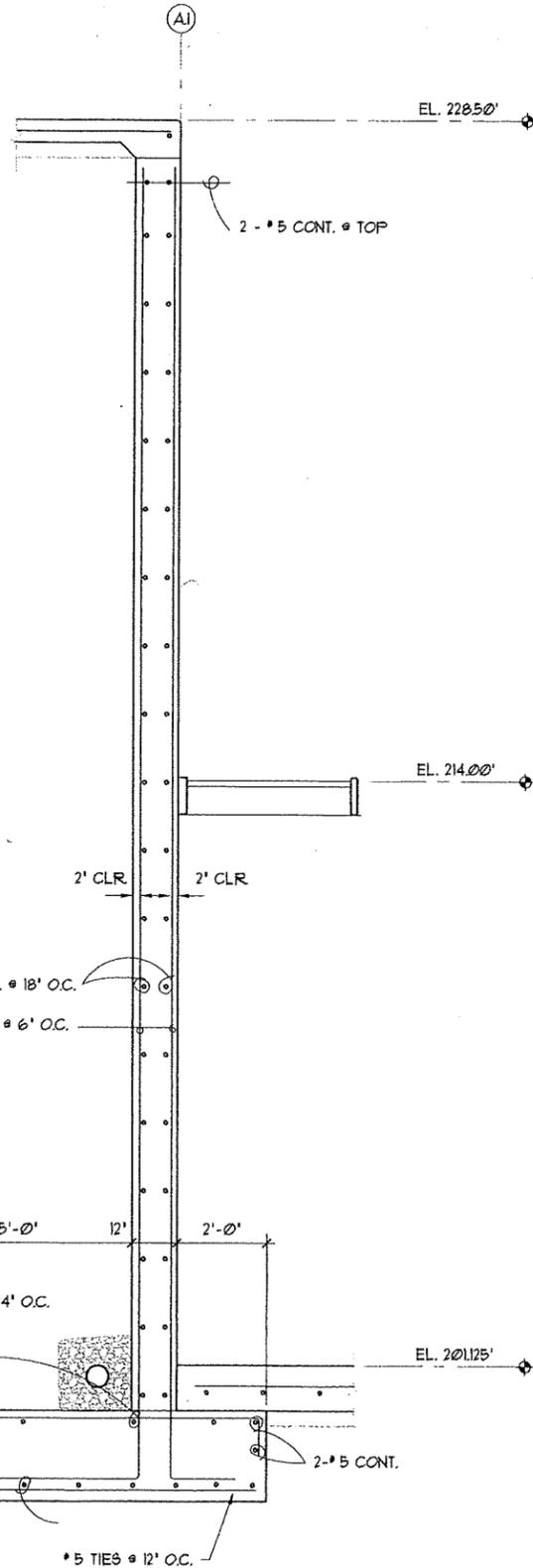
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TRANSFER STATION BUILDING  
SECTIONS & DETAILS  
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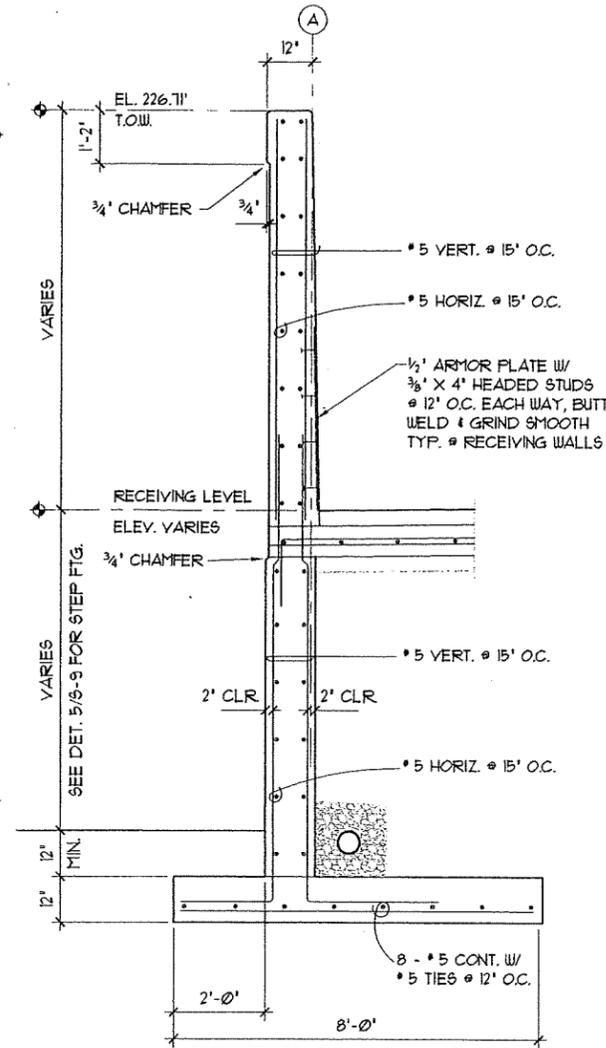
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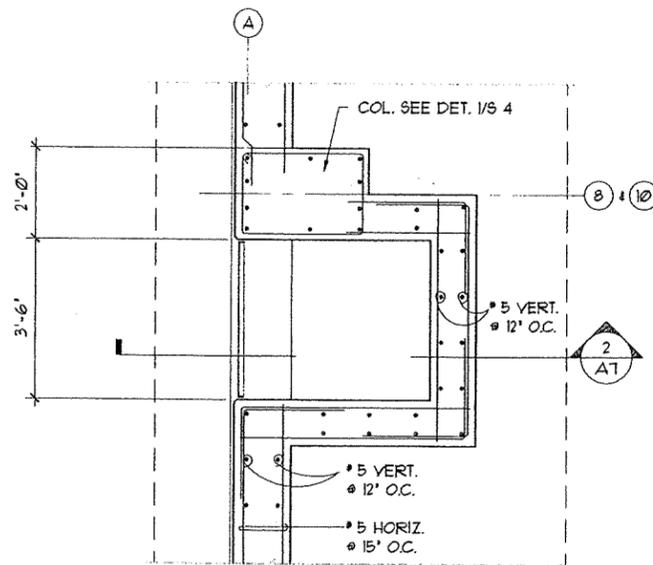
3 SECTION

S1 SCALE: 1/2" = 1'-0"



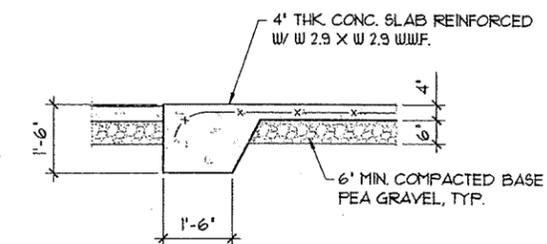
4 SECTION

S1 SCALE: 1/2" = 1'-0"



2 CAGED DRAIN PLAN SECTION

S1 SCALE: 1/2" = 1'-0"



5 SLAB EDGE DETAIL

S1 SCALE: 1/2" = 1'-0"

11/20/99 10:45:23 am  
 Drawing: B:\11-20-99\01.DWG

NO.	DATE	BY	APPR.	REVISIONS

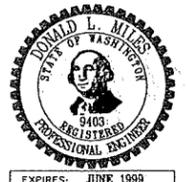
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DESIGNED BY	DATE
RHA	3/99
DRAWN BY	DATE
DLM	3/99
CHECKED BY	DATE

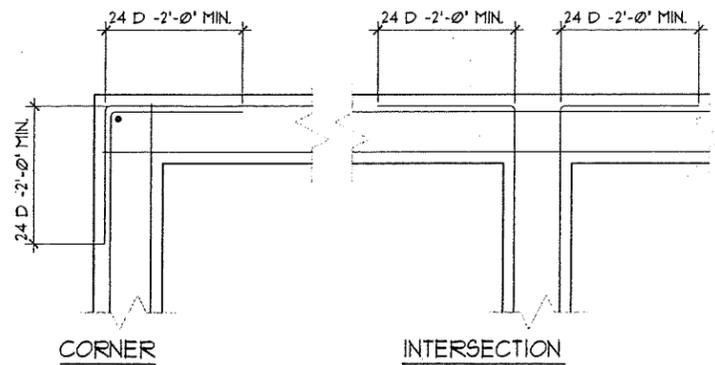
**CONSTRUCTION SET**

**KPG** Architecture  
 Landscape Architecture  
 Civil Engineering  
 753 9th Avenue North  
 Seattle, WA 98109 (206) 286-1640

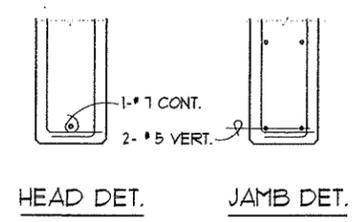
**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LeMAY ENTERPRISES, INC.**

TRANSFER STATION BUILDING  
 SECTIONS & DETAILS

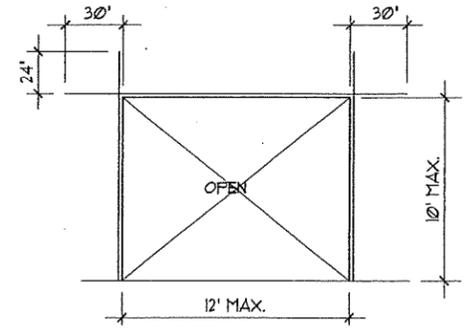




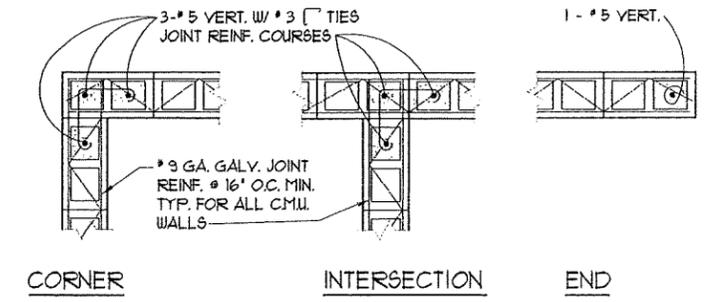
1 TYPICAL DOUBLE CURTAIN CONC. WALL REINF.  
 SS SCALE: 3/4" = 1'-0"



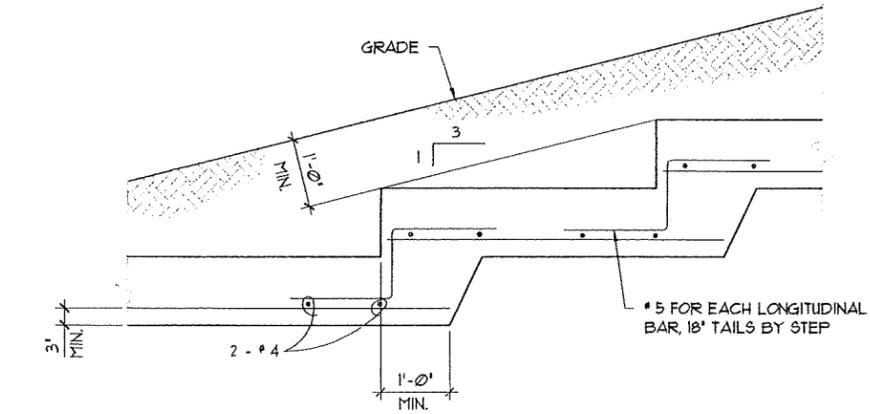
HEAD DET. JAMB DET.  
 WALL OPENING ELEV.  
 NO SCALE



4 TYPICAL OPENING @ CONC. WALL  
 SS SCALE: 3/4" = 1'-0"

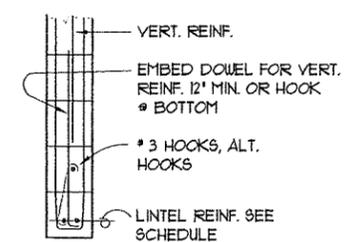


2 TYPICAL CMU WALL CORNER REINF.  
 SS SCALE: 3/4" = 1'-0"

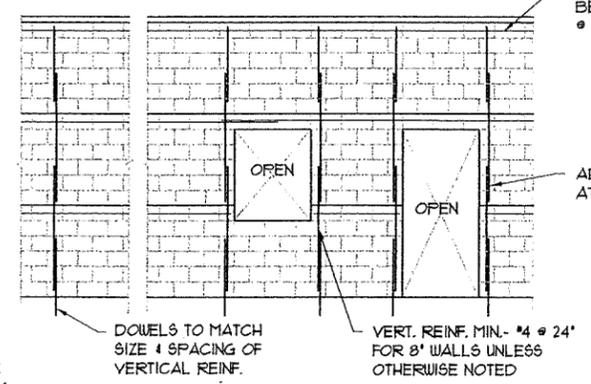


5 TYPICAL FOOTING STEP DETAIL  
 SS SCALE: 3/4" = 1'-0"

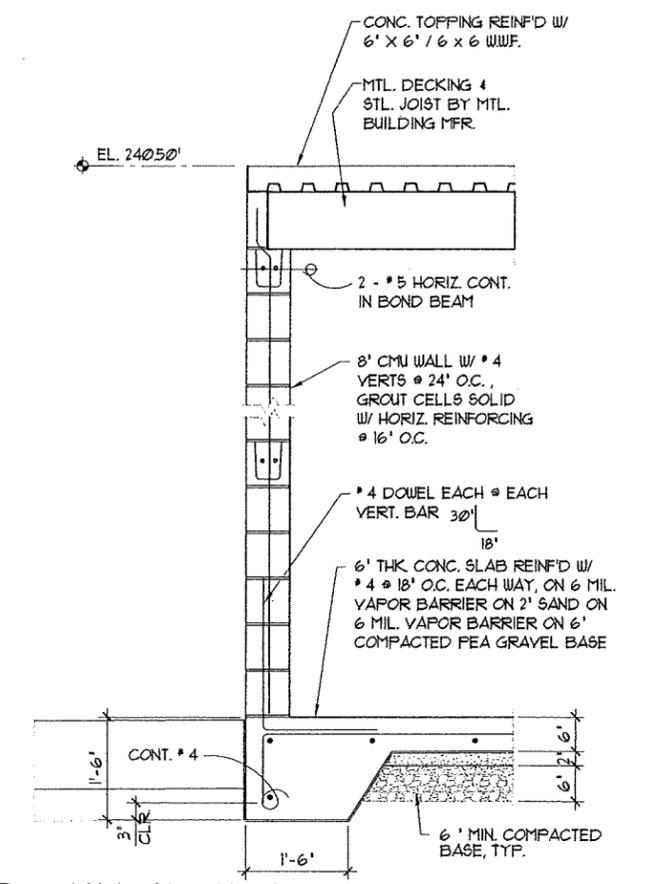
- NOTE:
- LAY CMU IN 48" MAX. LIFTS. FILL ALL CELLS AND BOND BEAMS CONTAINING REINFORCING W/ GROUT AS SPECIFIED.
  - MAX. SPACING OF HORIZ. BOND BEAM COURSES - 48" W/ ONE COURSE @ TOP OF DOORS & WINDOWS, AND @ TOP OF WALL.
  - FOR LINTEL BEAM, SEE SCHEDULE



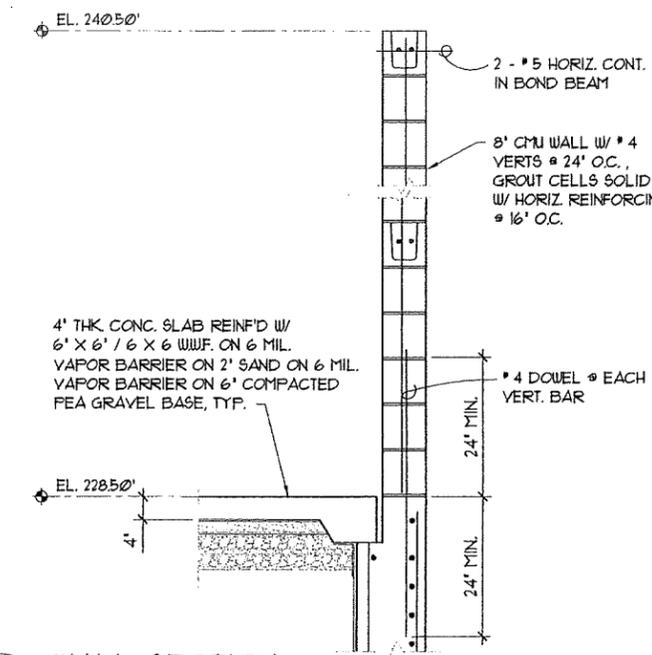
WALL	CLEAR SPAN	DEPTH	HORIZONTAL REINF.	STIRRUP
8'	4'-0" MAX.	16'	2 - #4 BOT.	
8'	4'-6" TO 6'-4"	16'	2 - #5 BOT.	#3 @ 8' O.C.
8'	6'-6" TO 9'-0"	16'	2 - #6 BOT.	#3 @ 8' O.C.



3 CMU. LINTEL SECTION, LINTEL SCHEDULE & TYP. CMU. REINF.  
 SS NO SCALE



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



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



March 08, 1999 10:02:00 am  
 Drawing: 21-25-2-01-00-00

NO.	DATE	BY	APPR.	REVISIONS

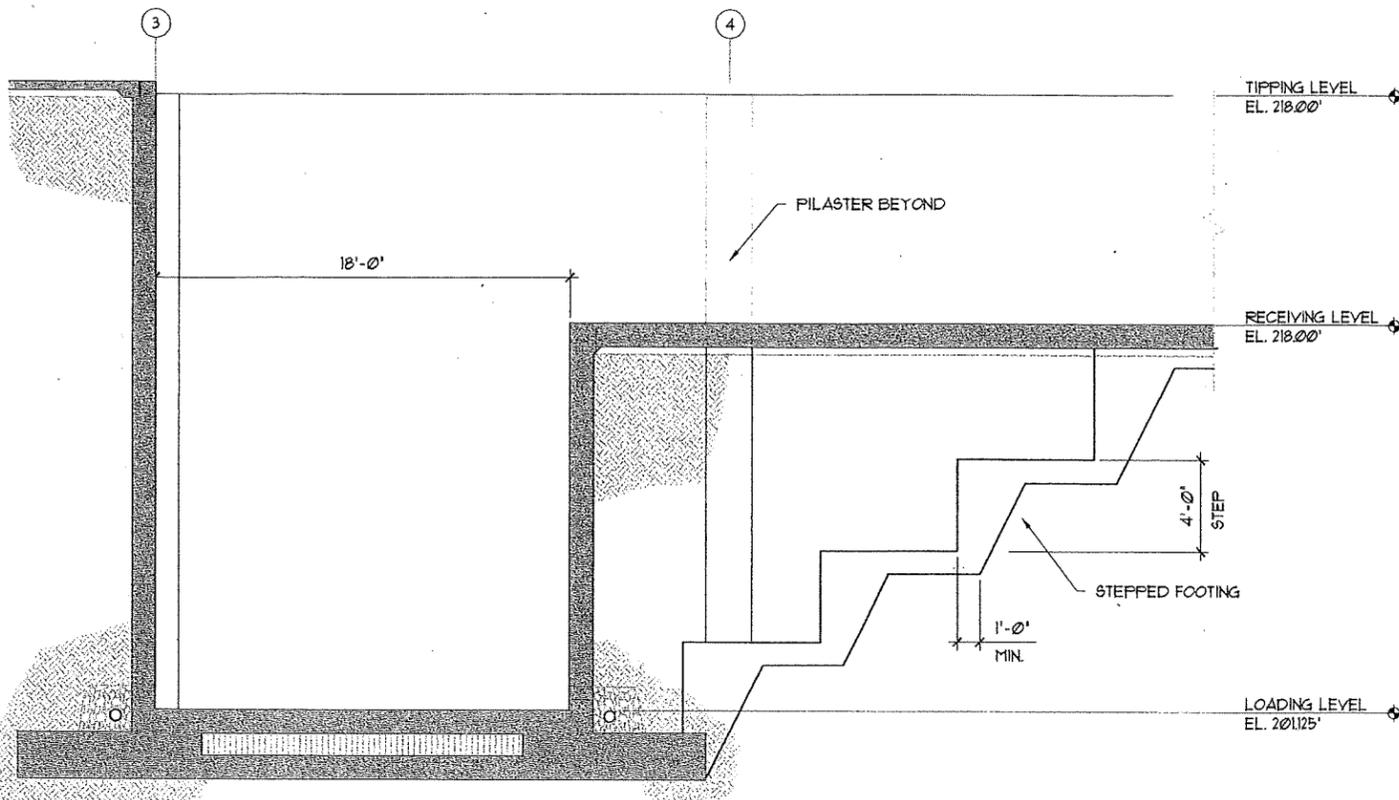
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FILENAME	
DLM	11/98
DESIGNED BY	DATE
RHA	3/99
DRAWN BY	DATE
DLM	3/99
CHECKED BY	DATE

**CONSTRUCTION SET**

**KPG** Architecture  
 Landscape Architecture  
 Civil Engineering  
 753 9th Avenue North  
 Seattle, WA 98109 (206) 286-1640

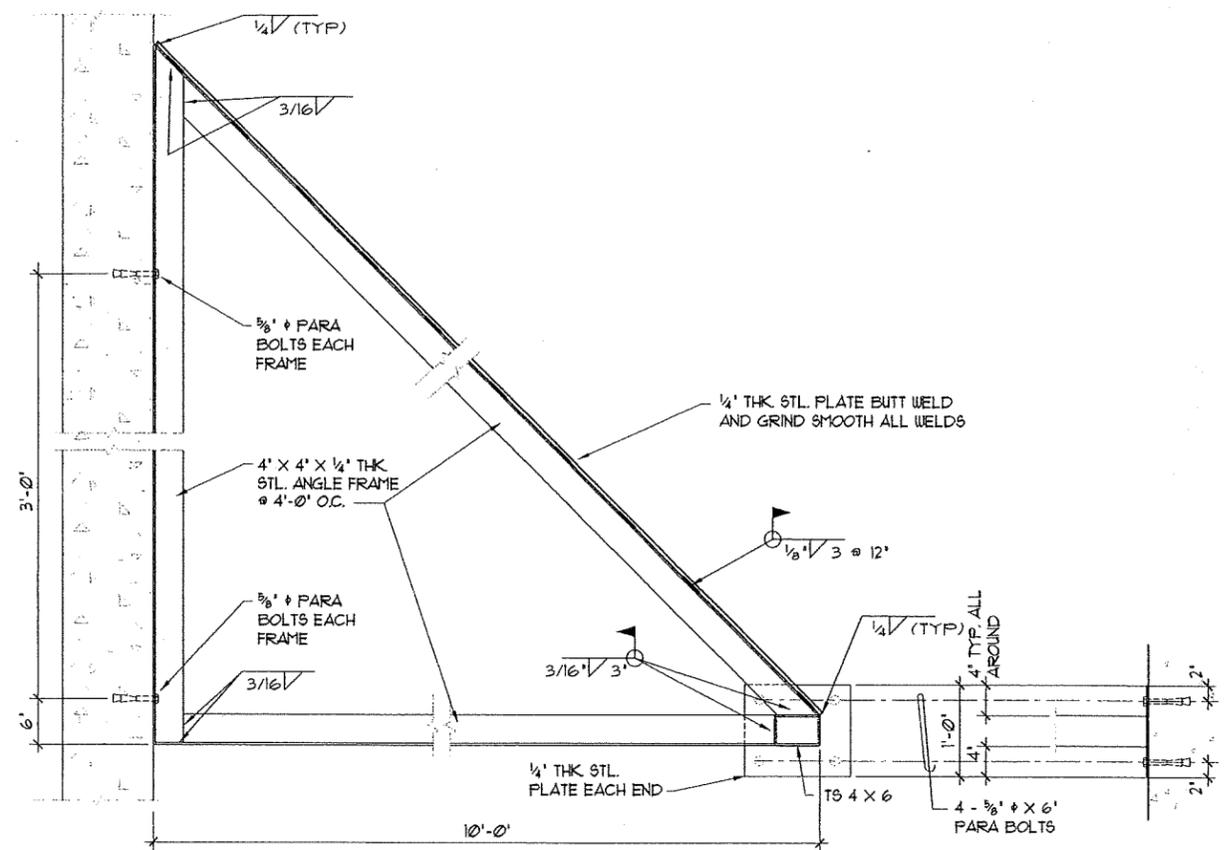
**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LeMAY ENTERPRISES, INC.**

TRANSFER STATION BUILDING  
 SECTIONS & TYP. DETAILS



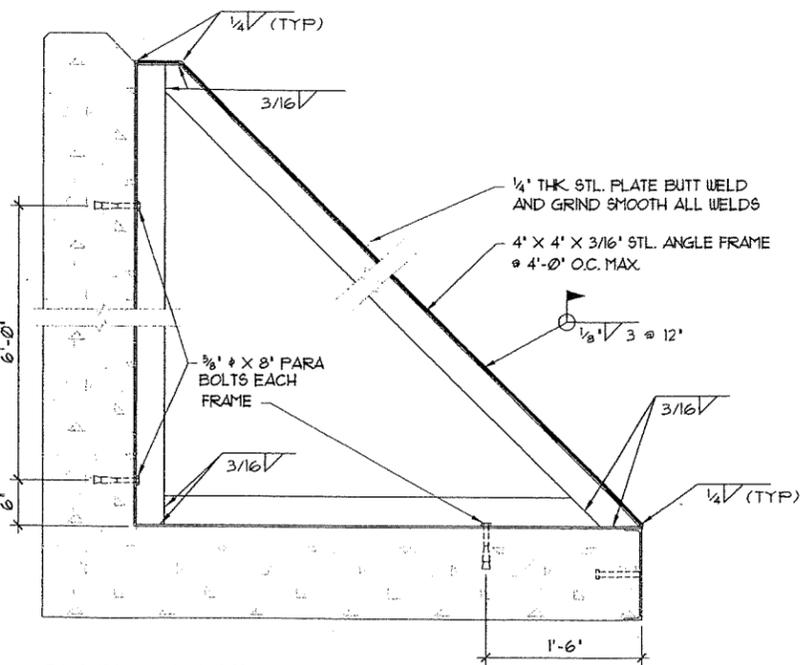
1 WALL / FOOTING STEP ELEVATION

S10 SCALE: 1/4" = 1'-0"



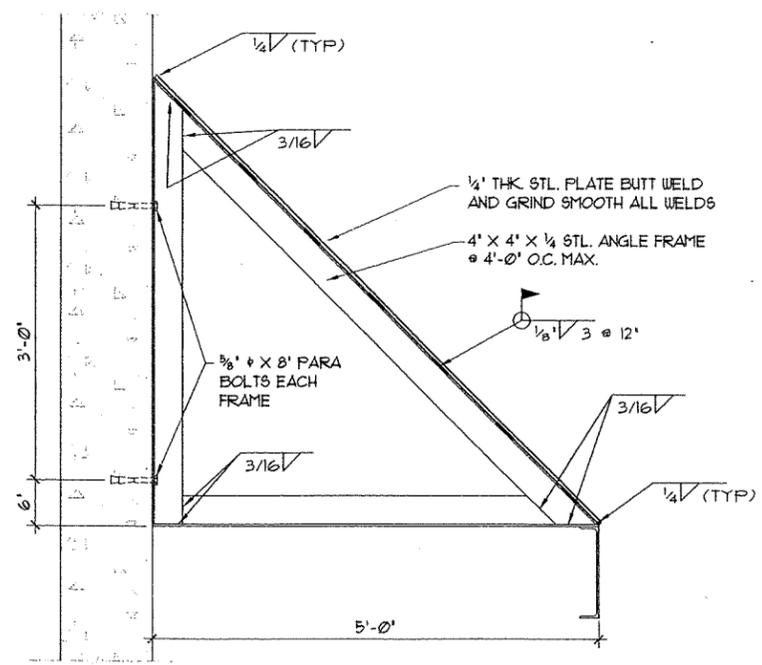
3 CHUTE DETAIL

S10 SCALE: 1" = 1'-0"



2 CHUTE DETAIL

S10 SCALE: 1" = 1'-0"



4 CHUTE DETAIL

S10 SCALE: 1" = 1'-0"



NO.	DATE	BY	APPR.	REVISIONS

BLS10-Det1.DWG	FILENAME
DLM	DESIGNED BY
3/28	DATE
RHA	DRAWN BY
3/29	DATE
DLM	CHECKED BY
3/29	DATE

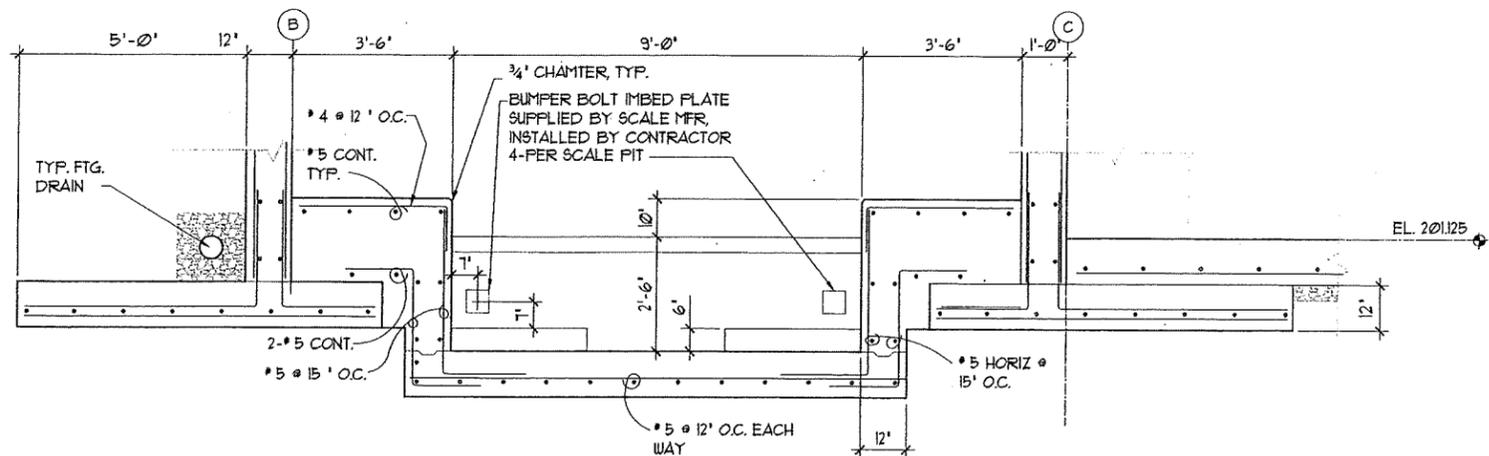
**CONSTRUCTION SET**

**KPG** Architecture  
Landscape Architecture  
Civil Engineering  
753 9th Avenue North  
Seattle, WA 98109 (206) 286-1640

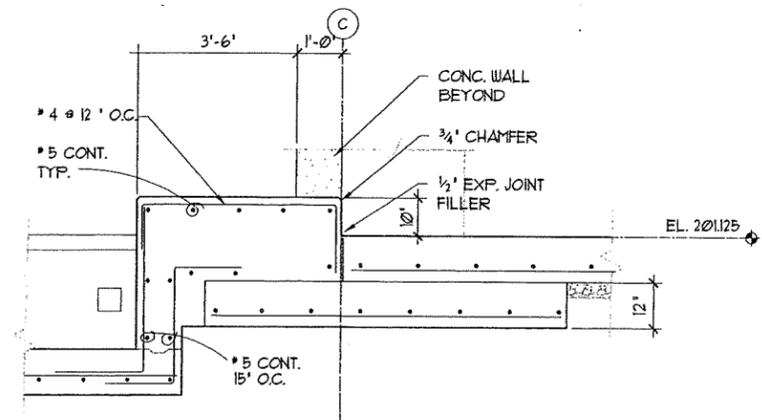
**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LeMAY ENTERPRISES, INC.**

TRANSFER STATION BUILDING  
MISC. SECT. & DETAILS

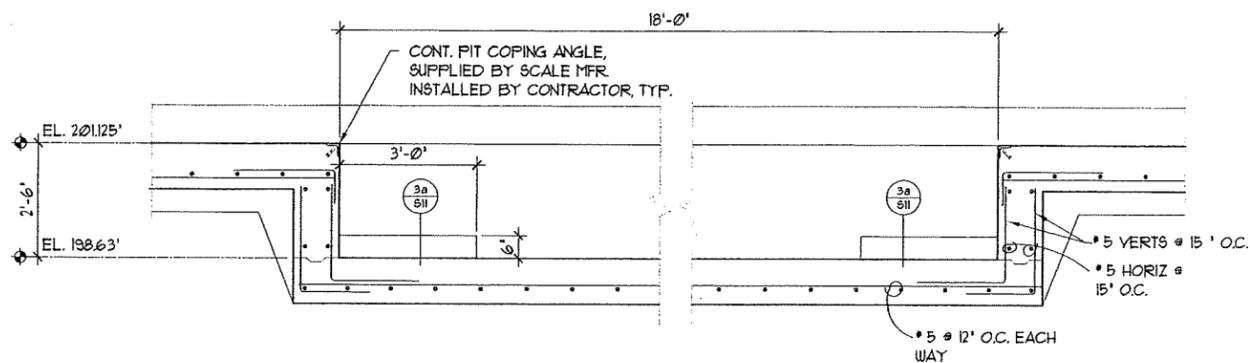
SCALE: - SHT S10 OF 74



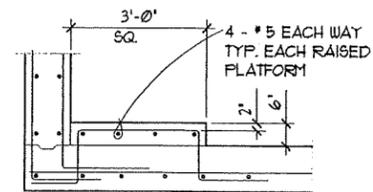
1 SECTION THROUGH SCALE PIT  
S 11 SCALE: 1/2" = 1'-0"



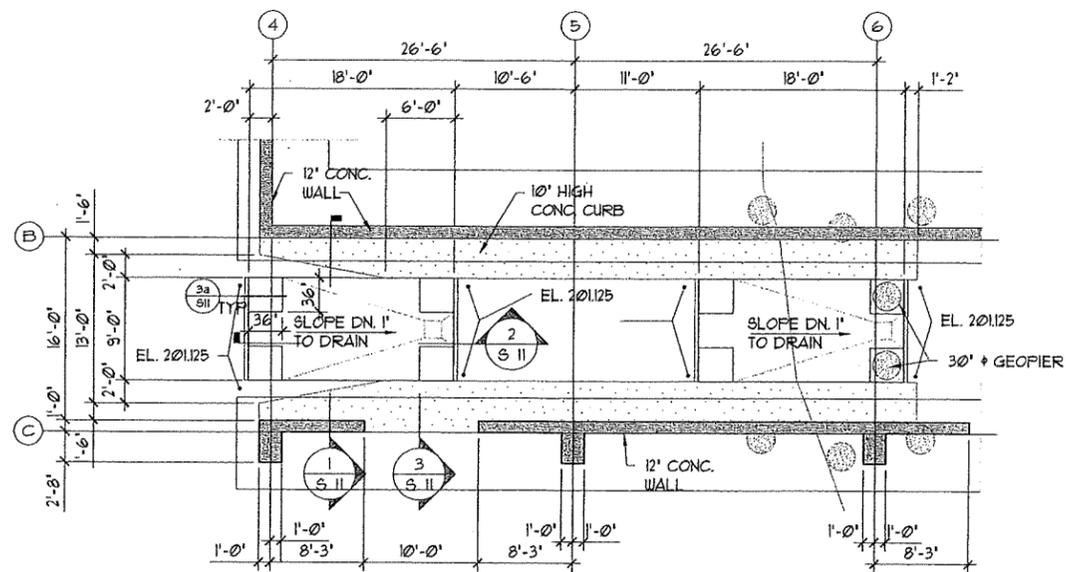
3 DETAIL  
S 11 SCALE: 1/2" = 1'-0"



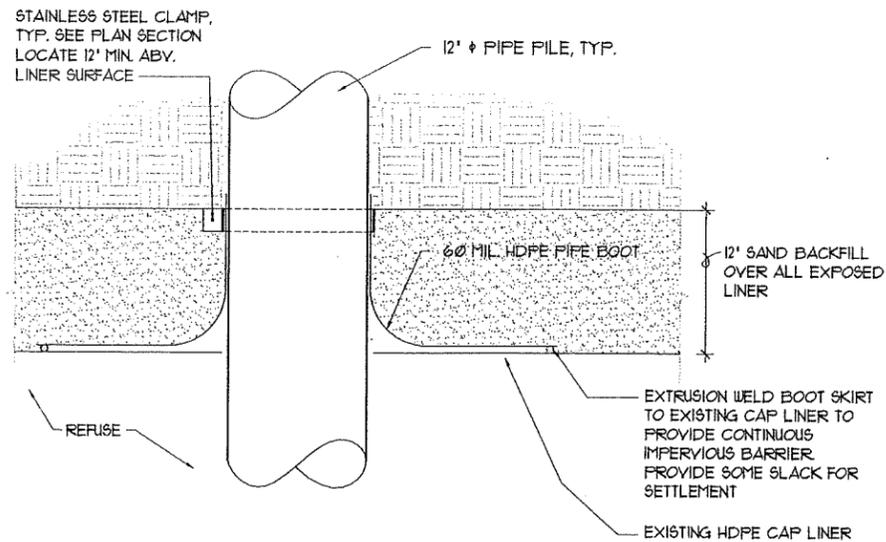
2 SECTION THROUGH SCALE PIT  
S 11 SCALE: 1/2" = 1'-0"



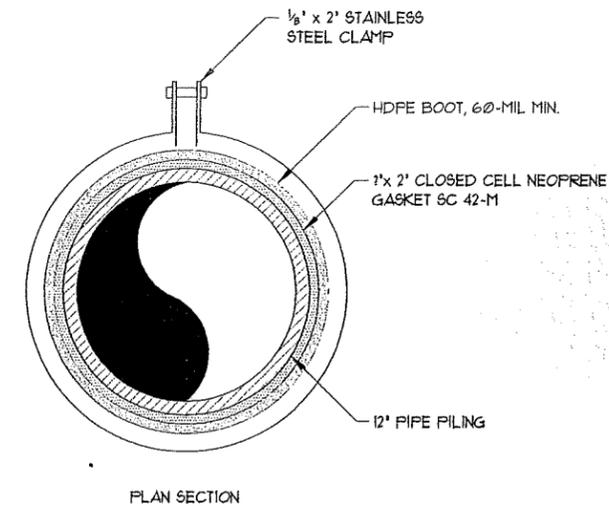
3a DETAIL  
S 11 SCALE: 1/2" = 1'-0"



PARTIAL ENLARGED LOADING LEVEL PLAN - SCALE PIT DETAILS  
SCALE: 1/8" = 1'-0"



CAP LINER PENETRATION BOOT SECTION  
NO SCALE



STAINLESS STEEL CLAMP DETAIL  
NO SCALE

4 TYPICAL CAP LINER PENETRATION DETAIL  
S 11 SCALE: AS NOTED

NO.	DATE	BY	APPR.	REVISIONS
3	3/9/99	RHA	JF	NUMBERS ON DETAIL BUBBLES REVISED

FILENAME	DATE
BLM-SIL-041.DWG	4/99
DESIGNED BY	DATE
RHA	3/29
DRAWN BY	DATE
BLM	3/29
CHECKED BY	DATE

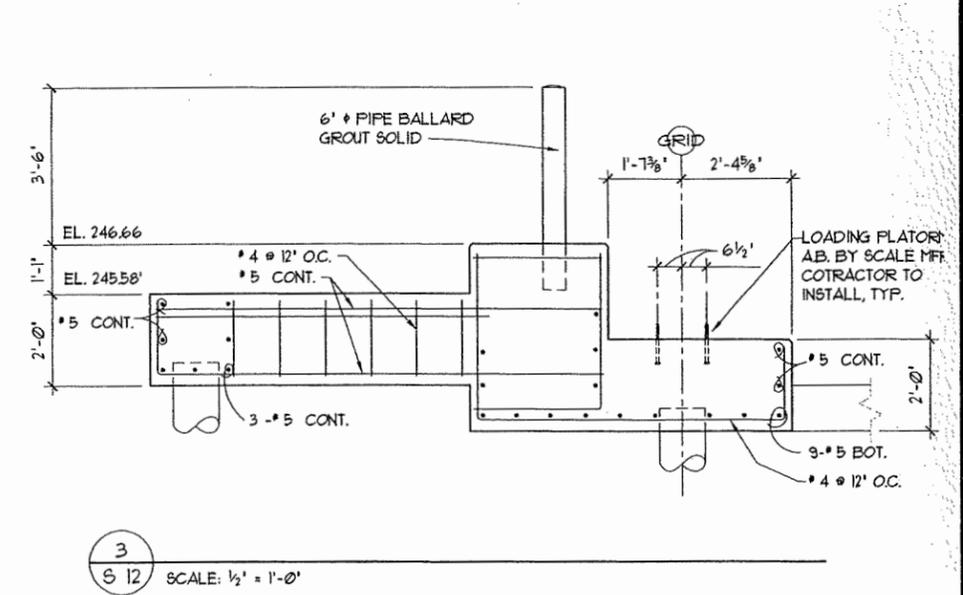
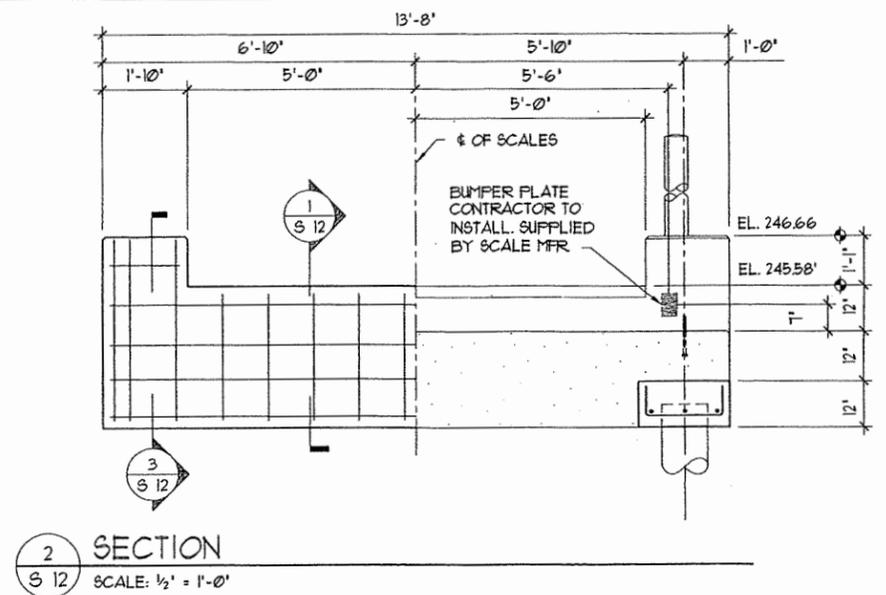
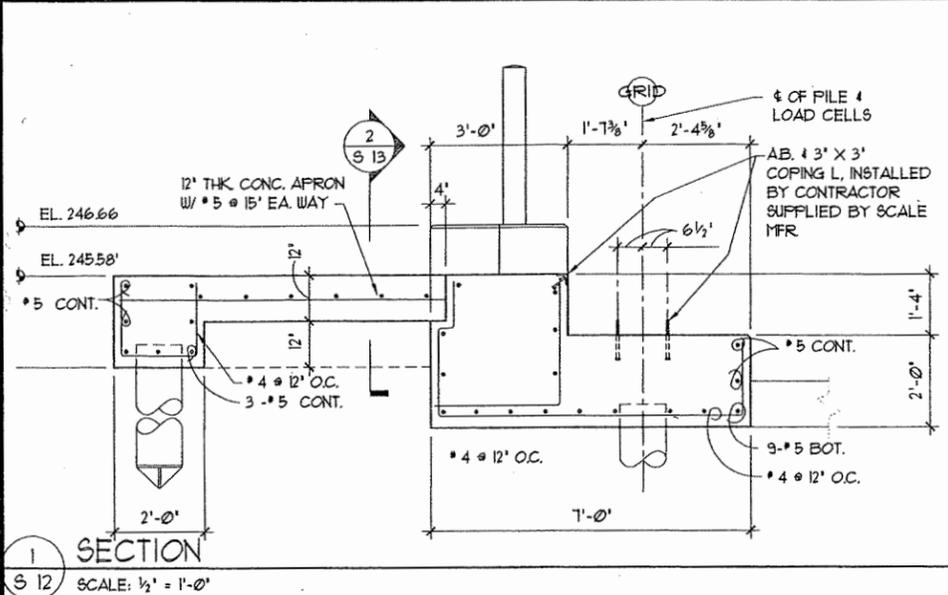
**CONSTRUCTION SET**

**KPG** Architecture  
Landscape Architecture  
Civil Engineering  
753 9th Avenue North  
Seattle, WA 98109 (206) 286-1640

**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LeMAY ENTERPRISES, INC.**

LOADING FLOOR LEVEL  
SCALE PIT PLAN & DETAILS  
SCALE: SHT S11 OF 74

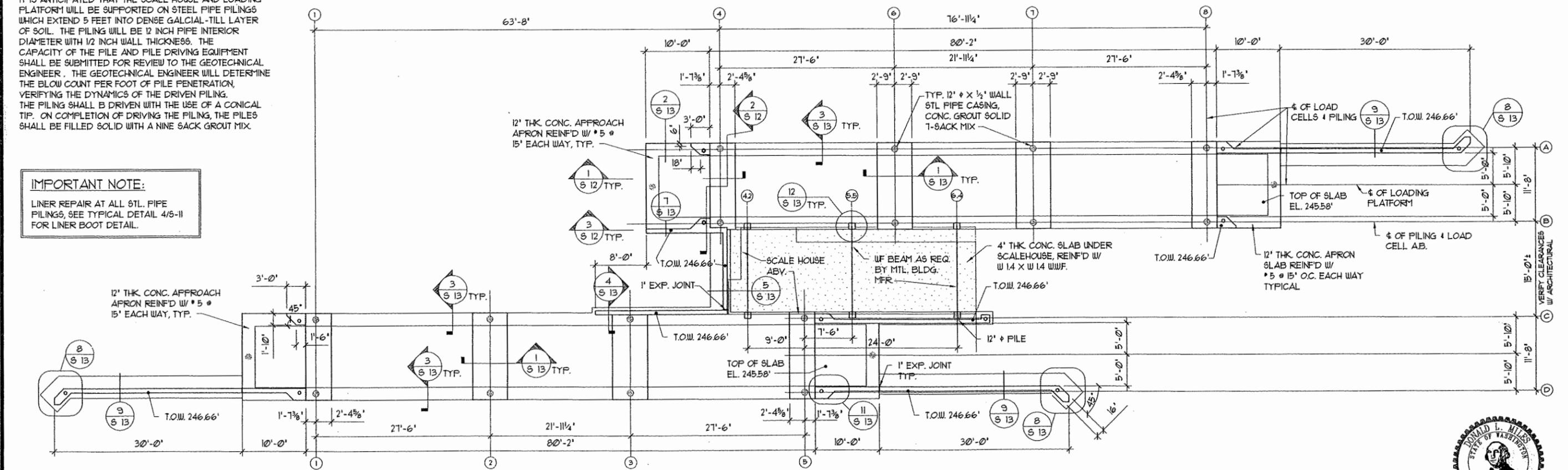




**FOUNDATION PILING - SCALE HOUSE & LOADING PLATFORM:**

IT IS ANTICIPATED THAT THE SCALE HOUSE AND LOADING PLATFORM WILL BE SUPPORTED ON STEEL PIPE PILING WHICH EXTEND 5 FEET INTO DENSE GALCIAL-TILL LAYER OF SOIL. THE PILING WILL BE 12 INCH PIPE INTERIOR DIAMETER WITH 1/2 INCH WALL THICKNESS. THE CAPACITY OF THE FILE AND PILE DRIVING EQUIPMENT SHALL BE SUBMITTED FOR REVIEW TO THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER WILL DETERMINE THE BLOW COUNT PER FOOT OF PILE PENETRATION, VERIFYING THE DYNAMICS OF THE DRIVEN PILING. THE PILING SHALL B DRIVEN WITH THE USE OF A CONICAL TIP. ON COMPLETION OF DRIVING THE PILING, THE PILES SHALL BE FILLED SOLID WITH A NINE SACK GROUT MIX.

**IMPORTANT NOTE:**  
LINER REPAIR AT ALL STL. PIPE PILING, SEE TYPICAL DETAIL 4/5-11 FOR LINER BOOT DETAIL.



**SCALE HOUSE PLAN**  
SCALE: 1/8" = 1'-0"



NO.	DATE	BY	APPR.	REVISIONS

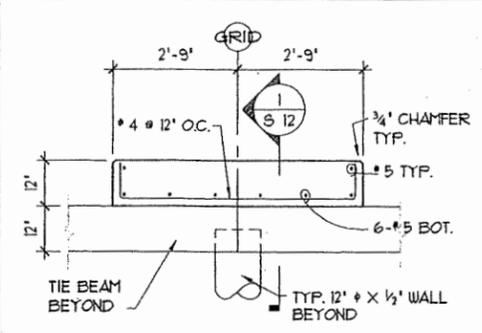
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DESIGNED BY	DATE
RHA	3/99
DRAWN BY	DATE
DLM	3/99
CHECKED BY	DATE

**CONSTRUCTION SET**

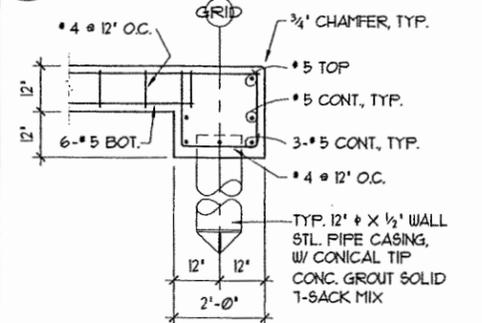
**KPG** Architecture  
Landscape Architecture  
Civil Engineering  
753 9th Avenue North  
Seattle, WA 98109  
(206) 286-1640

**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LeMAY ENTERPRISES, INC.**

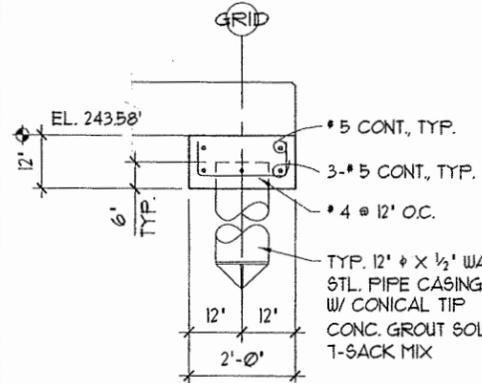
**SCALES & SCALE BUILD'G FOUNDATION PLAN**  
SCALE: -  
SHT S12 OF 74



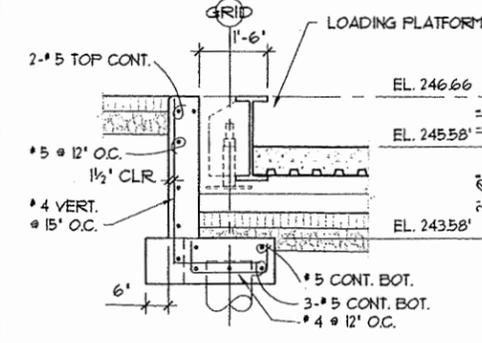
SECTION 1  
S 13 SCALE: 1/2" = 1'-0"



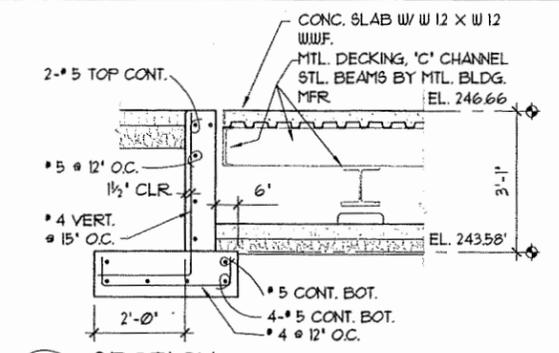
SECTION 2  
S 13 SCALE: 1/2" = 1'-0"



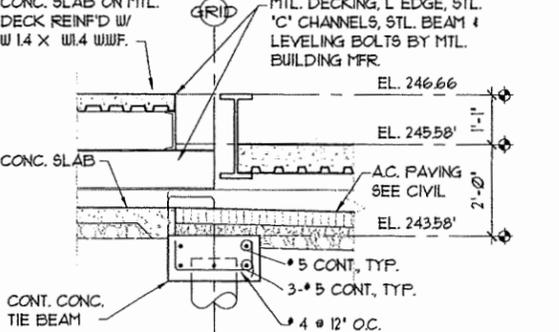
SECTION 3  
S 13 SCALE: 1/2" = 1'-0"



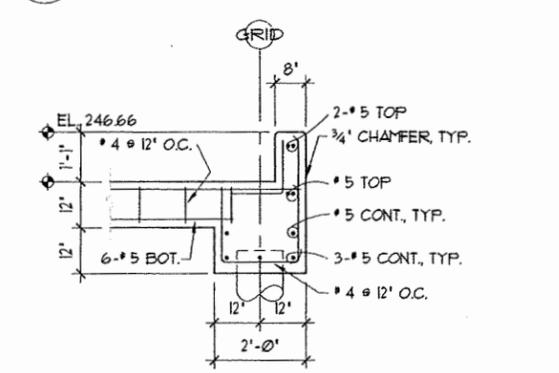
SECTION 4  
S 13 SCALE: 1/2" = 1'-0"



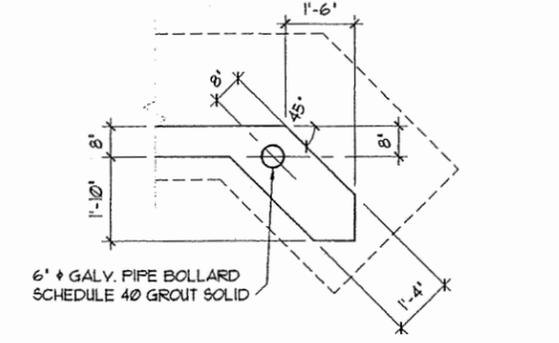
SECTION 5  
S 13 SCALE: 1/2" = 1'-0"



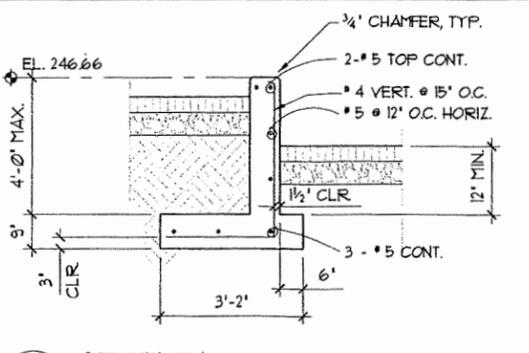
SECTION 6  
S 13 SCALE: 1/2" = 1'-0"



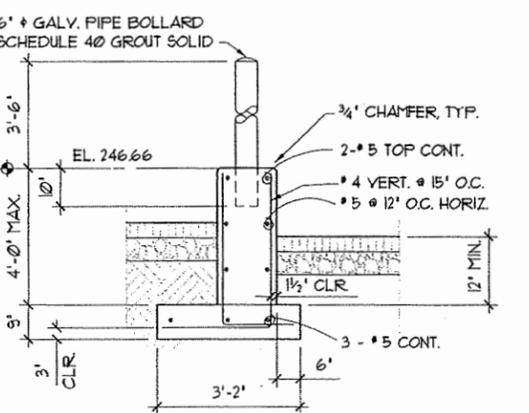
SECTION 7  
S 13 SCALE: 1/2" = 1'-0"



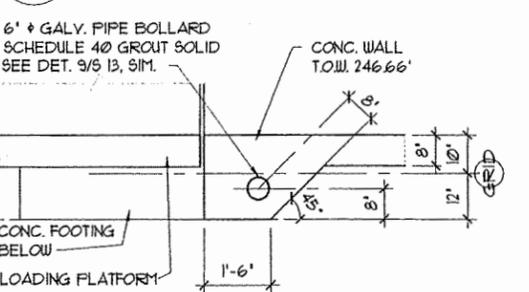
SECTION 8  
S 13 SCALE: 1/2" = 1'-0"



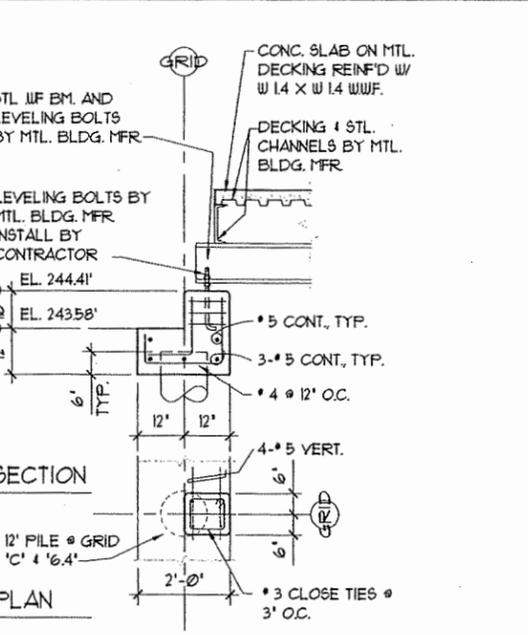
SECTION 9  
S 13 SCALE: 1/2" = 1'-0"



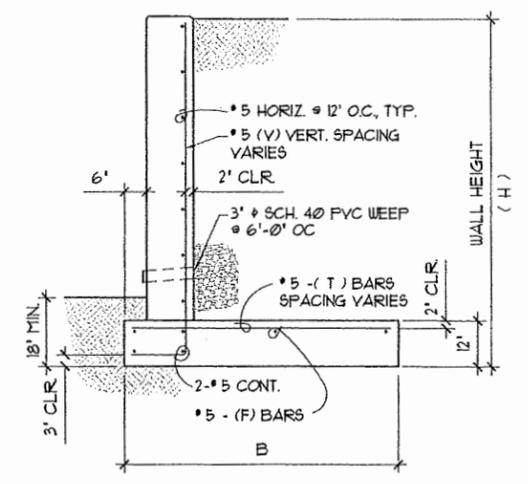
SECTION 10  
S 13 SCALE: 1/2" = 1'-0"



SECTION 11  
S 13 SCALE: 1/2" = 1'-0"



SECTION 12  
S 13 SCALE: 1/2" = 1'-0"



HEIGHT	B	V - BARS	T- BARS	F- BARS
4'-0"	2'-6"	#5 @ 1'-2" O.C.	#5 @ 24" O.C.	2 - #5
6'-0"	3'-6"	#5 @ 1'-0" O.C.	#5 @ 24" O.C.	3 - #5
8'-0"	4'-6"	#5 @ 10" O.C.	#5 @ 20" O.C.	4 - #5
10'-0"	5'-6"	#5 @ 8" O.C.	#5 @ 16" O.C.	5 - #5
12'-0"	6'-6"	#5 @ 6" O.C.	#5 @ 12" O.C.	6 - #5

SECTION 12  
S 13 SCALE: 1/2" = 1'-0"



March 06, 1999 11:22:26 AM Drawing: 811-S13-DCR0000

NO.	DATE	BY	APPR.	REVISIONS

811-S13-001.dwg	FILENAME
DM	DESIGNED BY
12/98	DATE
RHA	DRAWN BY
3/99	DATE
DM	CHECKED BY
3/99	DATE

8554  
REGISTERED ARCHITECT  
GREGORY S. HARRY  
STATE OF WASHINGTON

**KPG**  
753 9th Avenue North  
Seattle, WA 98109  
Architecture  
Landscape Architecture  
Civil Engineering  
(206) 286-1640

**THURSTON COUNTY TRANSFER STATION**  
**HAROLD LEMAY ENTERPRISES, INC.**

LOADING PLATFORM & SCALEHOUSE DETAILS  
SCALE: -  
SHT S13 OF 74