

# WHIRLPOOL DOWNTOWN CAMPUS

## BENTON HARBOR, MI

### GLASS AND GLAZING PACKAGE

## DRAWING NOTES

- PINNACLE AND THE CUSTOMER WILL ASSUME NO RESPONSIBILITY FOR ERRORS RESULTING FROM THE USE OF THESE DRAWINGS BY OTHER TRADES.
- FINAL APPROVAL BY THE GENERAL CONTRACTOR CONSTITUTES ACCEPTANCE OF ALL DEVIATIONS TO THE CONTRACT DOCUMENTS MADE BY PINNACLE AND THE CUSTOMER IN THESE DRAWINGS.
- THESE DRAWINGS REPRESENT PINNACLE AND THE CUSTOMER'S INTERPRETATION OF THE APPLICATION OF PRODUCTS TO THIS PROJECT IN FUNCTIONAL COMPLIANCE WITH THE ARCHITECT'S DRAWINGS AND SPECIFICATION. IT IS IMPORTANT THAT THIS INTERPRETATION BE REVIEWED DIMENSIONALLY AND FUNCTIONALLY WITH RESPECT TO ACTUAL ARCHITECT'S INTENT, INTERFACING CONDITIONS, MATERIAL AND JOB SITE CONDITIONS.
- ALL DIMENSIONS SHALL BE FIELD VERIFIED AND/OR APPROVED BY THE GENERAL CONTRACTOR PRIOR TO GLASS ORDERING AND FABRICATION. PINNACLE AND THE CUSTOMER WILL ASSUME NO RESPONSIBILITY FOR DIMENSIONAL ERRORS OR CHANGES RESULTING FROM FIELD CORRECTIONS.
- PROJECT MATERIALS MUST BE PROTECTED IMMEDIATELY FROM STAINING BY WET CARDBOARD PAPER AND FROM THE ACTION OF HARSH ALKALIS AND SAND IN CONCRETE, STUCCO, MORTAR OR PLASTER. THE SETTING OF THE PROJECT MATERIALS REQUIRES THE GENERAL CONTRACTOR TO CLOSELY SUPERVISE OTHER TRADES SO AS TO PREVENT MARRING OR DISCOLORATION FROM ANY CAUSE.
- ALL SEALANT JOINTS SHOULD BE SEALED WATERTIGHT FOLLOWING THE SEALANT MANUFACTURER'S RECOMMENDATIONS AS TO SIZE, METHOD OF APPLICATION AND COMPATIBILITY WITH ADJOINING MATERIALS.
- ALL FRAMING SYSTEMS SHALL BE FABRICATED & INSTALLED PER THE MANUFACTURERS INSTRUCTIONS.
- THE ROUGH OPENINGS PROVIDED MUST BE SQUARE AND WITHIN SPECIFIED BUILDING TOLERANCES.
- PERIMETER SUBSTRATE MUST BE CAPABLE OF WITHSTANDING REACTION FORCES IMPOSED BY DESIGN LOADS.
- ALL STRUCTURAL INFORMATION, INCLUDING FASTENER CALL-OUTS, ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY AND DIRECT FASTENING TYPE, STRUCTURAL ITEMS, ETC.

**PROPRIETARY NOTICE:**  
THIS DRAWING SHEET AND CONTENTS HEREIN ARE PROPERTY OF PINNACLE AND ITS CUSTOMERS. USE OF THESE DRAWINGS, ITS CONTENT AND DESIGN CONCEPTS ARE INTENDED FOR THE USE OF THE INTENDED RECIPIENT. MP DRAFTING & DESIGN AND ITS CUSTOMERS ARE NOT RESPONSIBLE FOR USE BY OTHER PARTIES.

**JOB  
EXAMPLE  
SET  
(PARTIAL)**

### ARCHITECT:

ARQUITECTONICA  
100 FIFTH AVE, 19TH FLOOR  
NEW YORK, NEW YORK 10011  
PH: 212.254.2700  
FAX: 212.522.9203

ARCHITECT NOTE:  
ALL NOTES REQUESTING VERIFICATION, CONFIRMATION, OR INFORMATION THAT ARE NOT ANSWERED ARE ASSUMED TO BE CORRECT AS SHOWN ON THESE DRAWINGS.

### CUSTOMER/ CONTRACTOR:

BATTLE CREEK GLASS WORKS INC.  
21472 M37  
BATTLE CREEK, MI 49017  
PH: 269.968.2791

### STAMPS/ SUBMITTALS:

## GLAZING SCHEDULE

TYPE: MP-1 GLAZED IN METAL PANEL (NOT BY BCGW)	EXT	1" INSULATED METAL PANEL
	A.S.	-
	INT.	-
	COATING	-
TYPE: GL-1 1" CLEAR TEMPERED UNIT VISION GLASS	EXT	1/4" CLEAR TEMPERED
	A.S.	1/2" TECHNO GRAY WARM EDGE SPACER (ARGON)
	INT.	1/4" CLEAR TEMPERED
	COATING	SN62 #2
TYPE: GL-2 1" CLEAR TEMPERED UNIT SPANDREL GLASS	EXT	1/4" CLEAR TEMPERED
	A.S.	1/2" TECHNO GRAY WARM EDGE SPACER (ARGON)
	INT.	1/4" CLEAR TEMPERED
	COATING	SN62 #2
TYPE: GL-9 1" HONEYCOMB METAL PANEL	EXT	1" NOM. THICKNESS HONEYCOMB PANEL TO MATCH EXISTING BUILDING
	NOTE	PRODUCT SUBMITTAL AND SAMPLE TO BE SUBMITTED FOR REVIEW
	COATING	-
TYPE: -	EXT	-
	A.S.	-
	INT.	-
	COATING	-
TYPE: -	EXT	-
	A.S.	-
	INT.	-
	COATING	-
TYPE: -	EXT	-
	A.S.	-
	INT.	-
	COATING	-

## SYSTEM NOTES

### SYSTEMS TYPES

- SYSTEM #1: YKK - YCW 750 XT HIGH PERFORMANCE CURTAINWALL SYSTEM  
2 1/2" x 9" PROFILE  
EXTENDED CAPS THROUGHOUT  
CUSTOM SUNSHADES (SEE SECTIONS)

### METAL FINISHES

- COAT MICA KYNAR PAINT PER APPROVED SUBMITTAL

### SEALANT TYPES

- TBD - PRODUCT SUBMITTAL AND SAMPLE TO BE SUBMITTED FOR REVIEW

### STRUCTURE BY OTHERS

THE BUILDING STRUCTURE AND COMPONENTS THEREOF MUST BE CAPABLE OF SAFELY CARRYING THE LOADS IMPOSED UPON IT BY THE SYSTEMS DETAILED, INCLUDING BUT NOT LIMITED TO DEAD LOADS OF THE SYSTEMS, WIND LOADINGS, THERMAL LOADINGS, SEISMIC LOADINGS, SNOW LOADINGS AND LIVE LOADINGS.

## SYMBOLS

- GLAZING IDENTIFICATION
- DETAIL IDENTIFICATION / PAGE NUMBER
- COLUMN LINE
- SECTION
- VIEW
- SCHEDULED HARDWARE
- WORK POINT
- ELEVATION BENCHMARK
- DEAD LOAD ANCHOR
- WIND LOAD ANCHOR
- REVISION NUMBER CALL-OUT
- STEEL CALL-OUT

- F.O. - FINISHED OPENING
- F.S. - FRAME SIZE
- R.O. - ROUGH CEILING
- D.O. - DOOR OPENING
- D.L.O. - DAY LIGHT OPENING
- G.S. - GLASS SIZE
- F.F. - FINISH FLOOR
- V.I.F. - VERIFY IN FIELD
- S/L - SIDELITE
- W.P. - WORK POINT
- CL - CENTER LINE
- E.O.G. - EDGE OF GLASS

## DESIGN CRITERIA

ARCHITECT NOTE: PLEASE VERIFY ALL INFORMATION BELOW

- DESIGN LOADS: PER MBC 2006 (IBC 2006 / ACSE 7-05)
- BASIC WINDSPEED: 90 MPH
- IMPORTANCE FACTOR: 1.0
- EXPOSURE CATEGORY: C
- BUILDING HEIGHT: 50 FT
- TYPICAL WINDLOAD: 30 PSF
- CORNER WINDLOAD: 32 PSF
- SNOW LOADS: 50 PSF
- ALLOWABLE DEFLECTION: L/175 (UP TO 13'-6")  
L/240 + 1/4" (13'-6" & OVER)

## EXCLUSIONS

SEE CUSTOMER QUOTATION FOR EXCLUDED ITEMS

## SHEET INDEX

C1	COVER SHEET
P1 THRU P3	PLAN VIEWS
E1 THRU E8	ELEVATIONS
S1 THRU S2	SECTIONS
D1 THRU D16	DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	BY
0	1ST SUBMITTAL	08.23.12	JJG
1	2ND SUBMITTAL	10.11.12	MPD
2	3RD SUBMITTAL	10.26.12	MPD
3	4TH SUBMITTAL	12.05.12	MPD

DRAWN BY: JGG  
DATE: 08.10.12

PROJECT NAME:  
WHIRLPOOL

SHEET DESCRIPTION:  
COVER SHEET

SHEET:  
**C1**

## DIMENSION VERIFICATION

FIELD VERIFIED:

GUARANTEED DIMENSIONS:

# JOB EXAMPLE SET (PARTIAL)

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CONTRACTOR:**

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21472 M37  
BATTLE CREEK, MI 49017  
PH: 269.968.2791

**STAMPS/  
SUBMITTALS:**

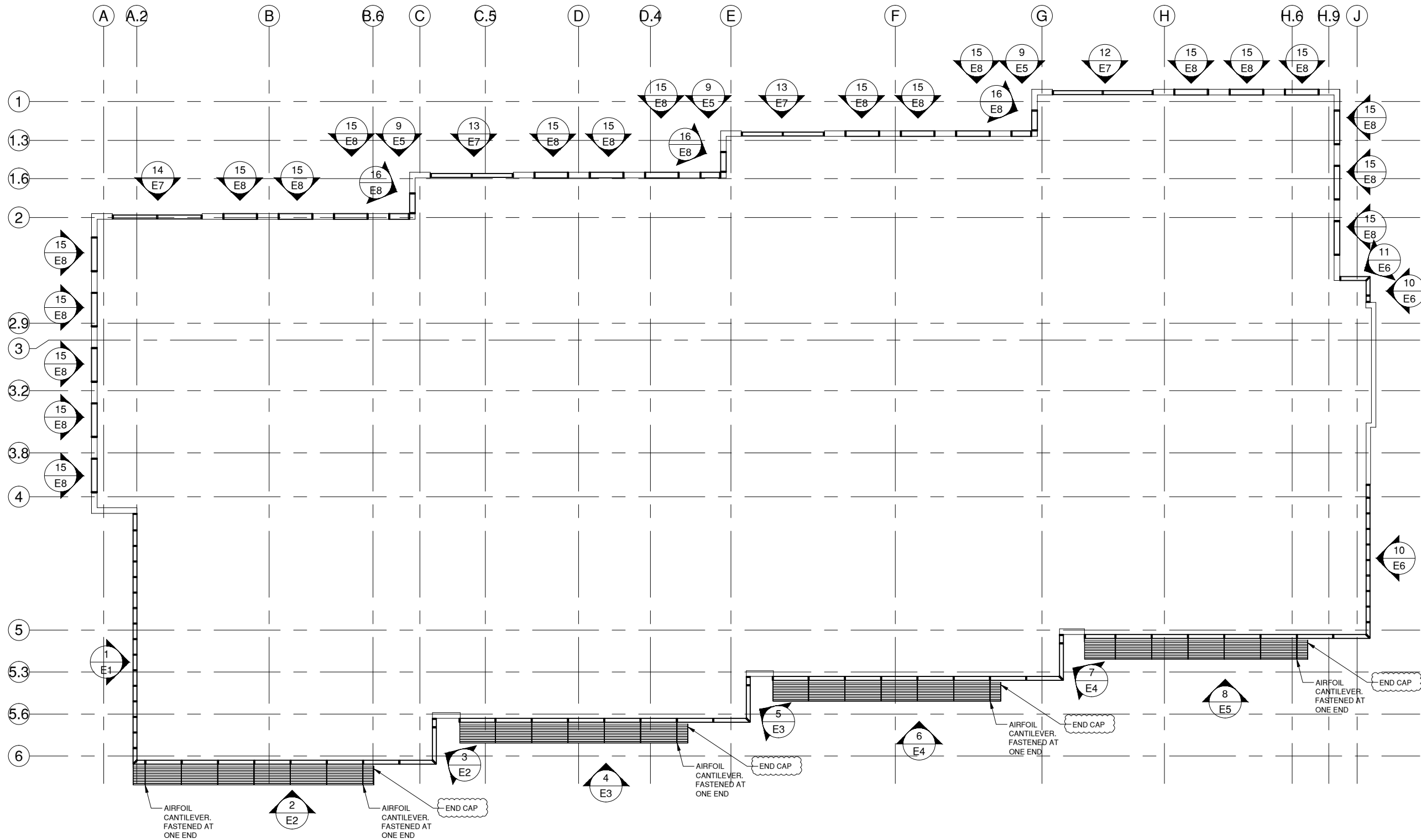
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1	10.11.12
2	10.26.12
3	12.05.12
-	-

DRAWN BY: JUG	DATE: 08.10.12
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PROJECT NAME:  
**WHIRLPOOL**

SHEET DESCRIPTION:  
**PLAN VIEW**

SHEET:  
**P1**



1 1ST FLOOR  
P1 DRAWING SCALE  
24x36: N.T.S.  
11x17: N.T.S.



# JOB EXAMPLE SET (PARTIAL)

SHOP NOTE:  
CUT MITER IN SHOP AND LEAVE SQUARE END 3" LONG FOR FIELD TRIM (TYPICAL AT CORNERS)

FABRICATION NOTE:  
ALL SHOP BUILT ("S") LADDERS ARE TO BE CONSTRUCTED FROM CLOSED TUBES (EXCEPT HEAD AND SILL). ALL FIELD BUILT ("F") SECTIONS ARE TO BE 2 PIECE CONSTRUCTION.

OPEN SILLS AT VISIBLE LOCATIONS TO HAVE OPENING AND FILLER FACING DOWN.

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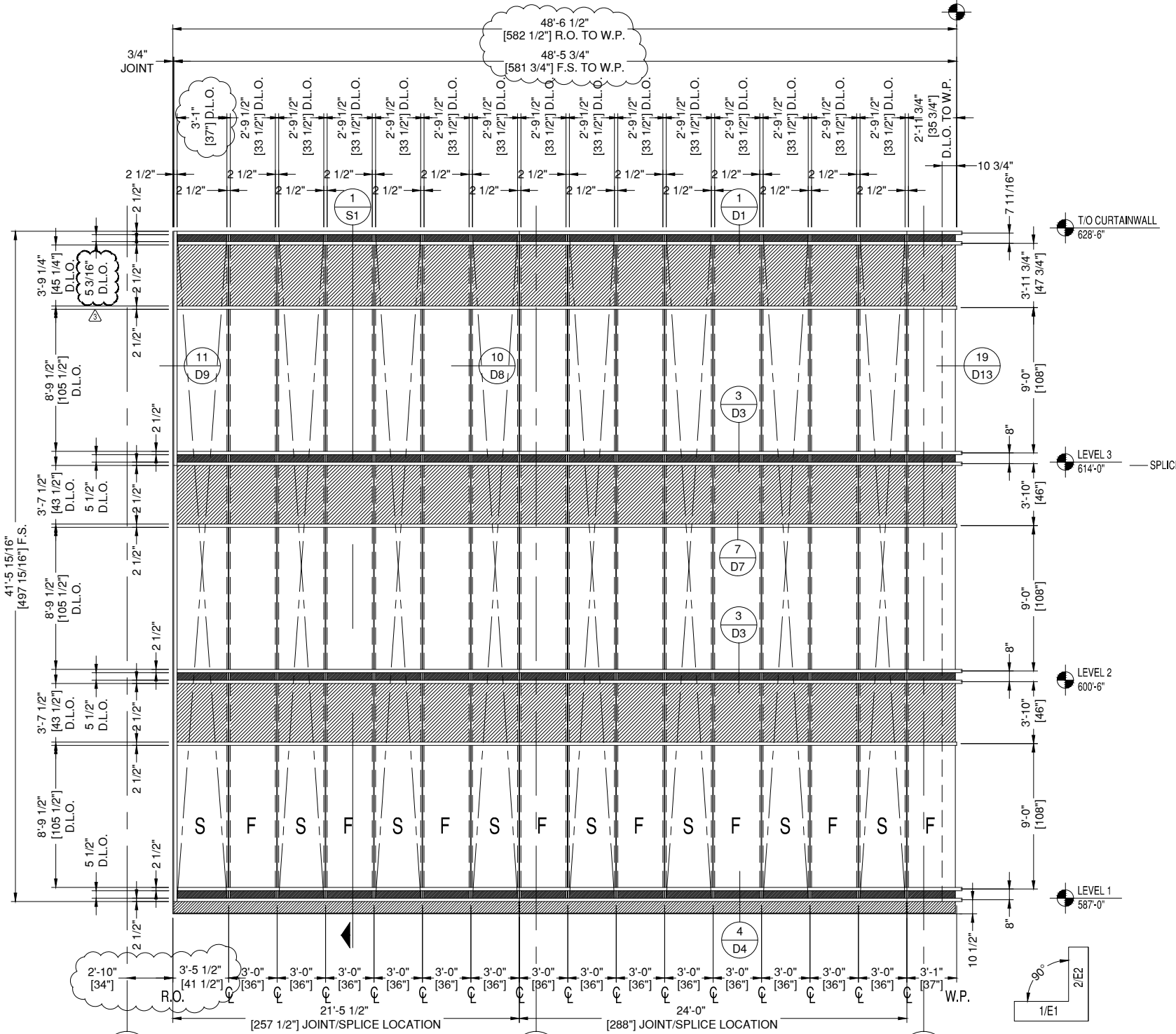
PROJECT NAME:  
**WHIRLPOOL**

SHEET DESCRIPTION:  
**ELEVATIONS**

SHEET:  
**E1**

GLAZING TYPES  
ACROSS ELEVATION  
(UNLESS NOTED  
OTHERWISE)

- MP-1 →
- GL-2 →
- GL-1 →
- MP-1 →
- GL-2 →
- GL-1 →
- MP-1 →
- GL-2 →
- GL-1 →
- MP-1 →

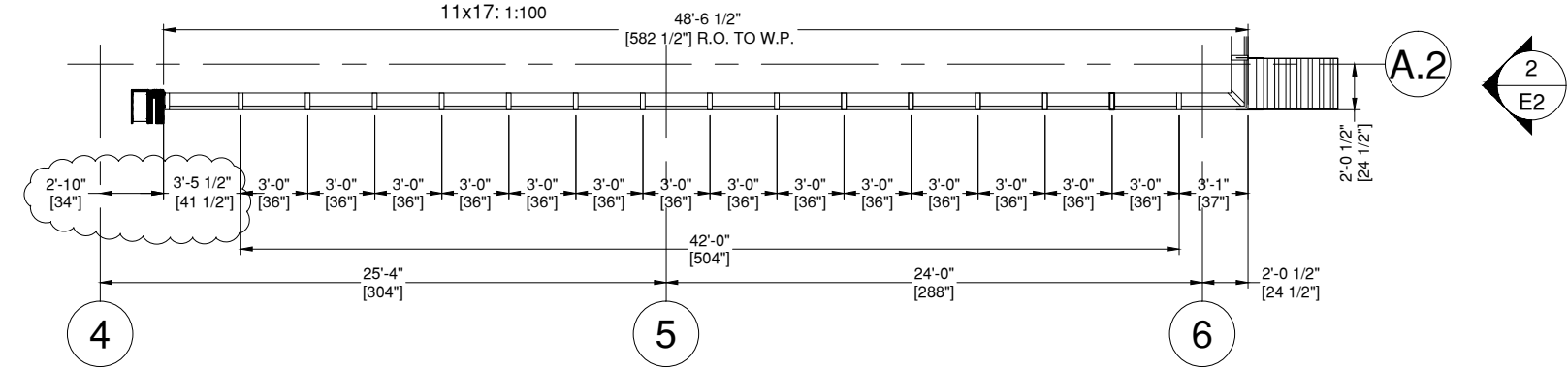


**1 ELEVATION 1**

**E1** DRAWING SCALE  
24x36: 1:50  
11x17: 1:100

THUS REQ'D: 1  
OPP REQ'D: 0  
TOTAL REQ'D: 1

YKK: YCK XT HIGH PERFORMANCE C.W.  
FINISH: 2 COAT MICA KYNAR PAINT



**A.2**

# JOB EXAMPLE SET (PARTIAL)

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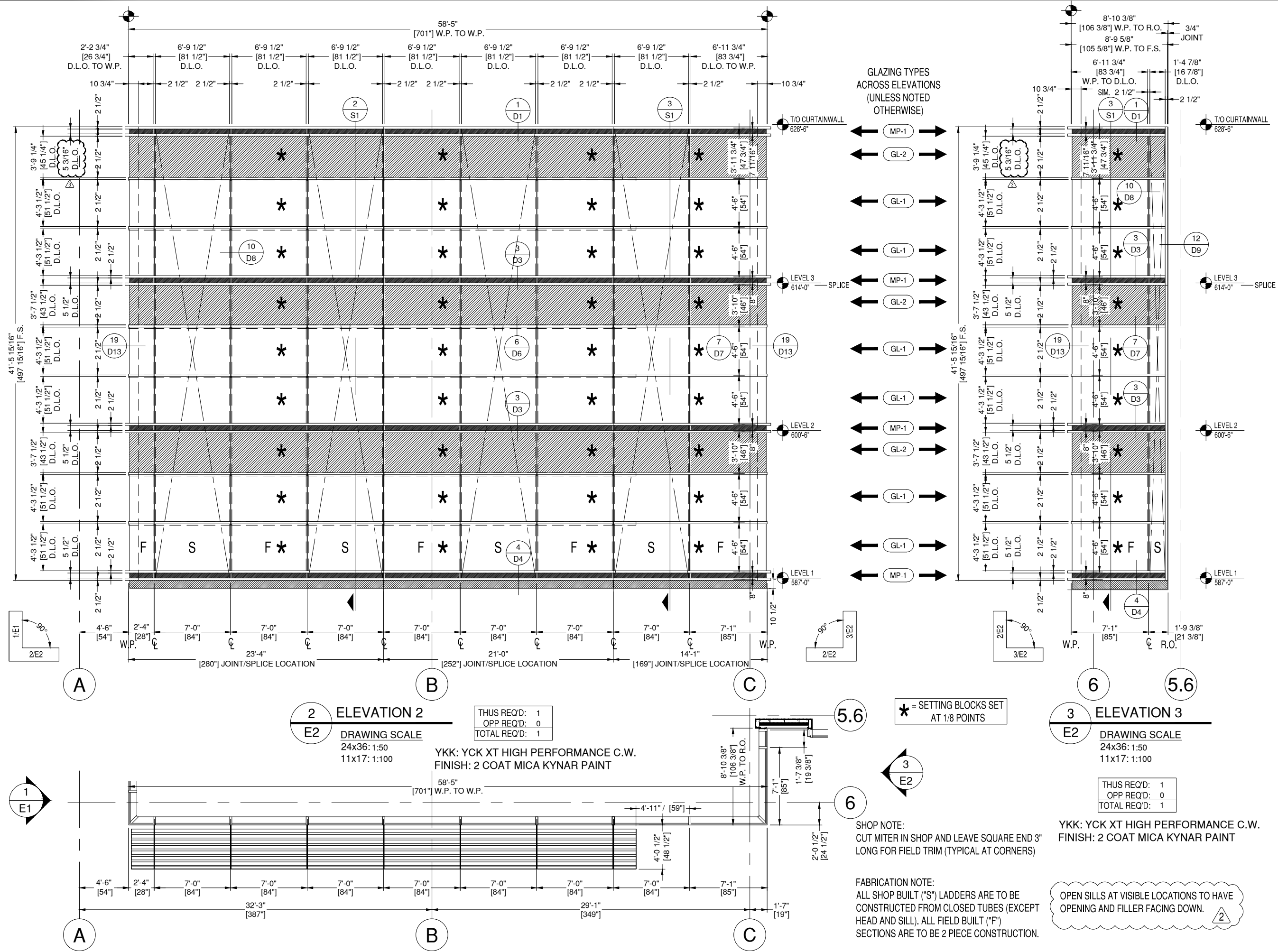
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PROJECT NAME: WHIRLPOOL

SHEET DESCRIPTION: ELEVATIONS

SHEET: E2



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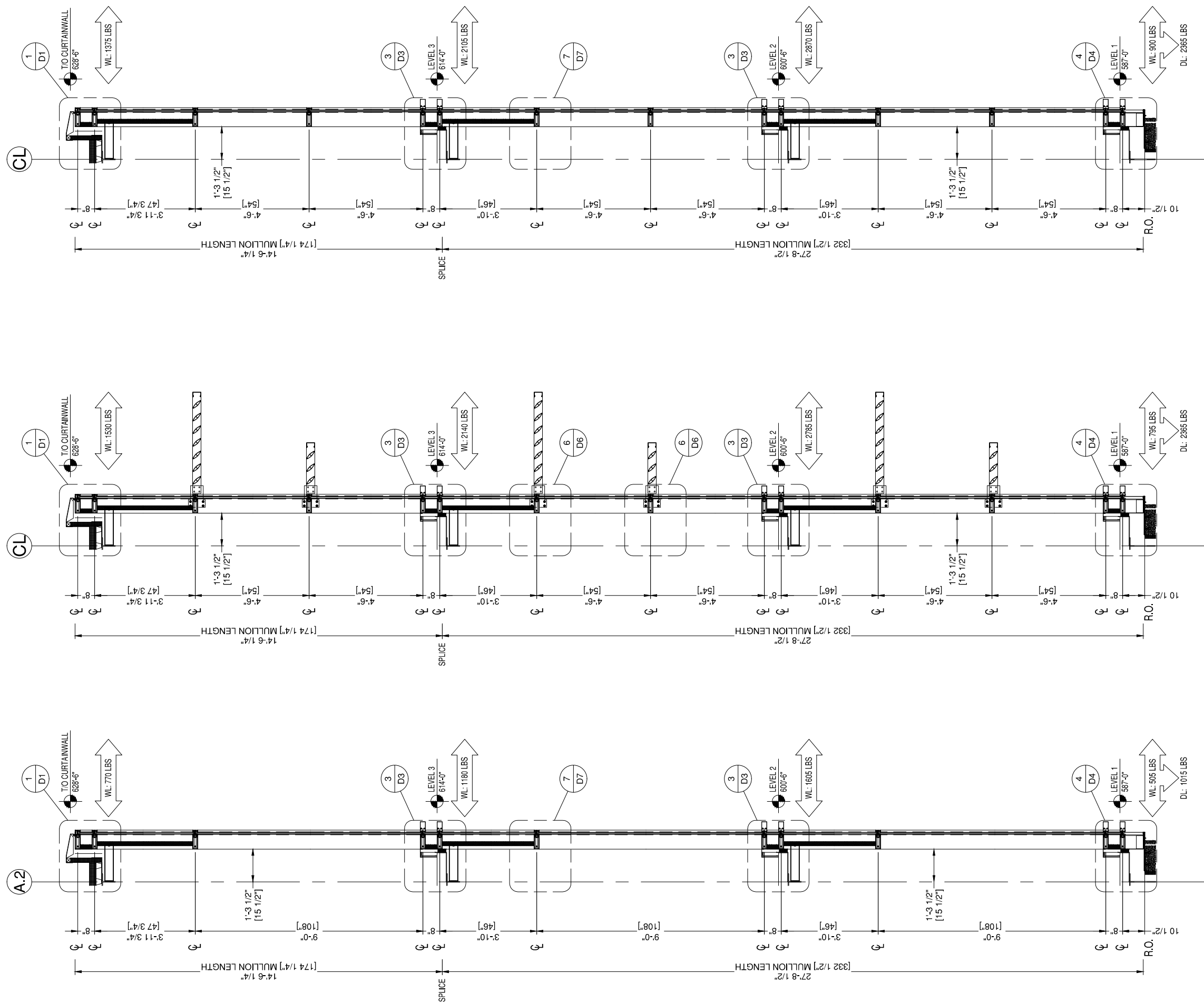
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PROJECT NAME:  
**WHIRLPOOL**

SHEET DESCRIPTION:  
**SECTIONS**

SHEET:  
**S1**



**SECTION 3**  
S1  
DRAWING SCALE  
24x36: 1/2" = 1'-0"  
11x17: 1/4" = 1'-0"  
ARCH REF:  
4/A501.02

**SECTION 2**  
S1  
DRAWING SCALE  
24x36: 1/2" = 1'-0"  
11x17: 1/4" = 1'-0"  
ARCH REF:  
3/A501.02

**SECTION 1**  
S1  
DRAWING SCALE  
24x36: 1/2" = 1'-0"  
11x17: 1/4" = 1'-0"

STRUCTURAL NOTE:  
POTENTIAL LOADING OPTIONS HAVE BEEN REVIEWED (IE DEADLOAD AT 3RD LEVEL) ADD DEADLOADING AT BOTTOM OF FRAME ACCOMPLISHES THE FOLLOWING:  

- ALLOWS GREATER FLOOR MOVEMENT THEN +/- 1/4" (YKK MAXIMUM FOR SYSTEM)
- (THERMAL + LIVE LOAD COMBINED) EASE OF FABRICATION AND INSTALLATION

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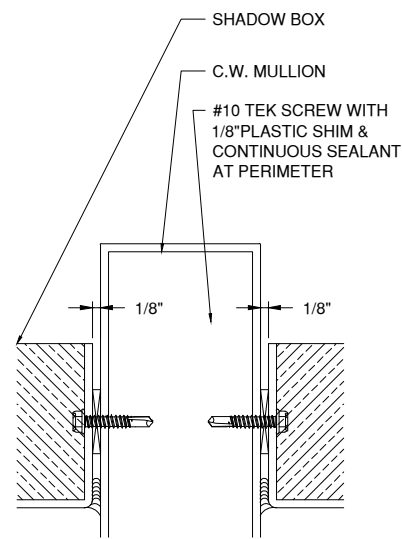
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**WHIRLPOOL**

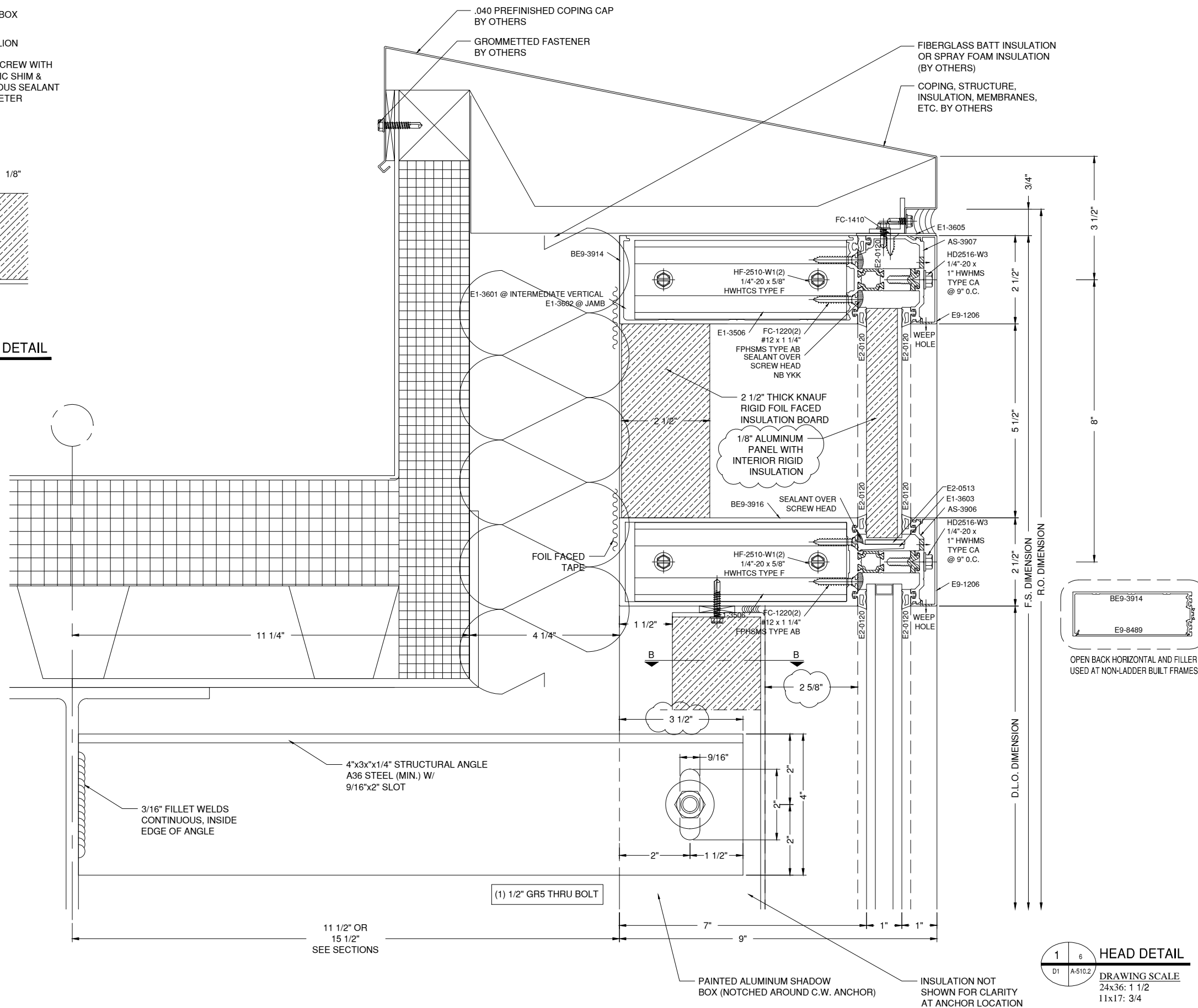
SHEET DESCRIPTION:  
**DETAILS**

SHEET:  
**D1**



### B-B SHADOW BOX JOINT DETAIL

DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4



### 1 6 HEAD DETAIL

D1 A-510.2  
DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4

- 1/8" ALUMINUM WITH FORMED CORNERS AND SEALED WITH SILICONE SEALANT.
- 2 1/2" KNAUF INSULATION BOARD

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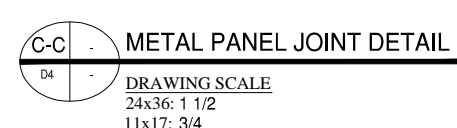
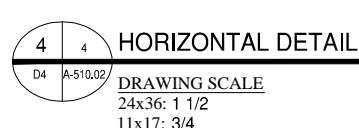
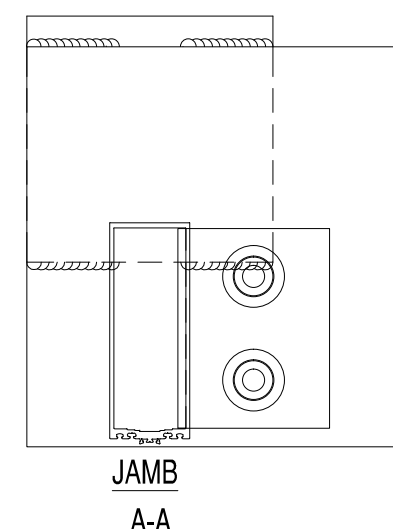
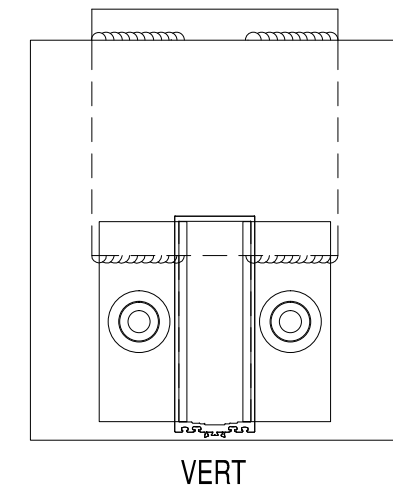
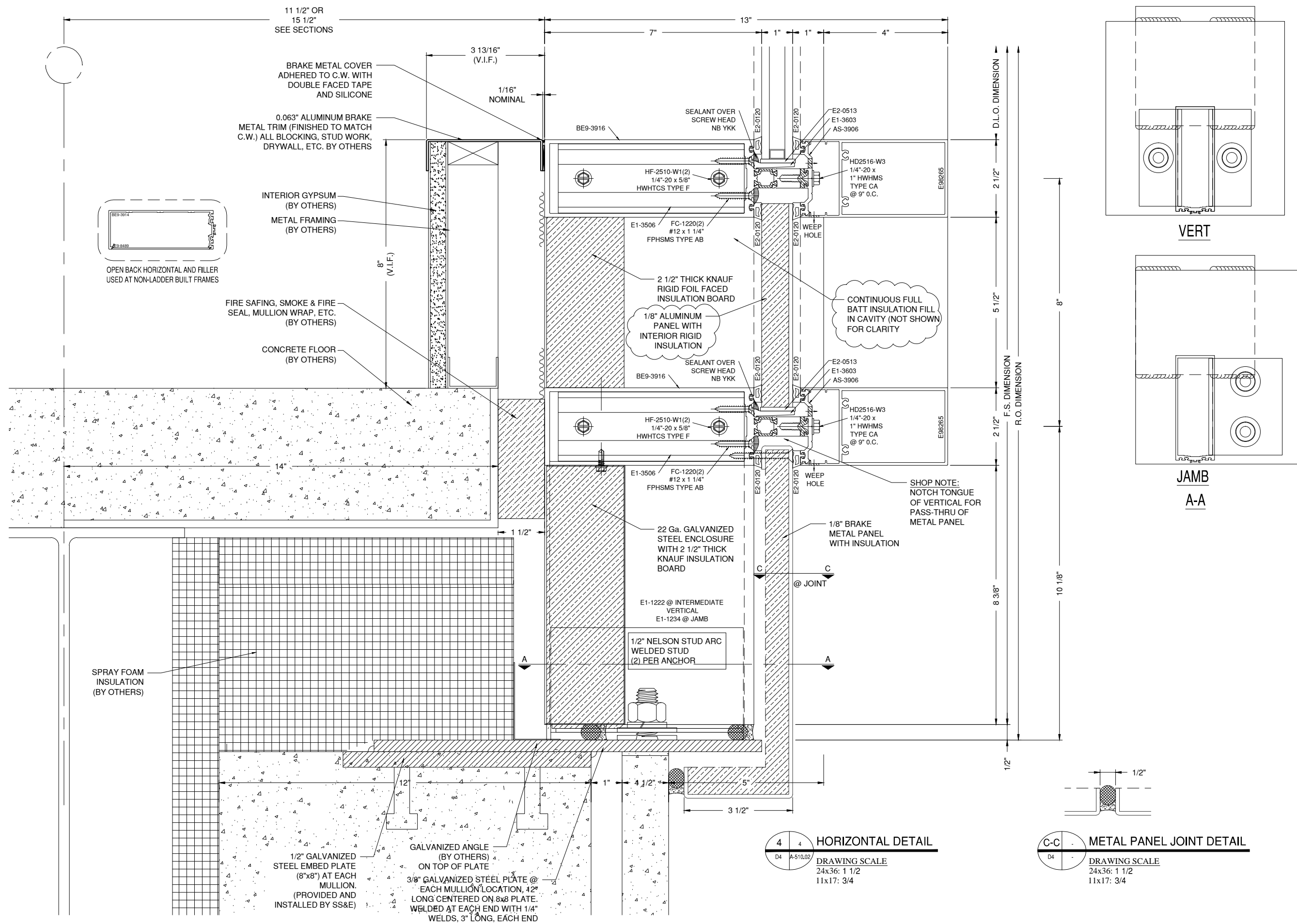
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PROJECT NAME:  
**WHIRLPOOL**

SHEET DESCRIPTION:  
**DETAILS**

SHEET:  
**D4**



# JOB EXAMPLE SET (PARTIAL)

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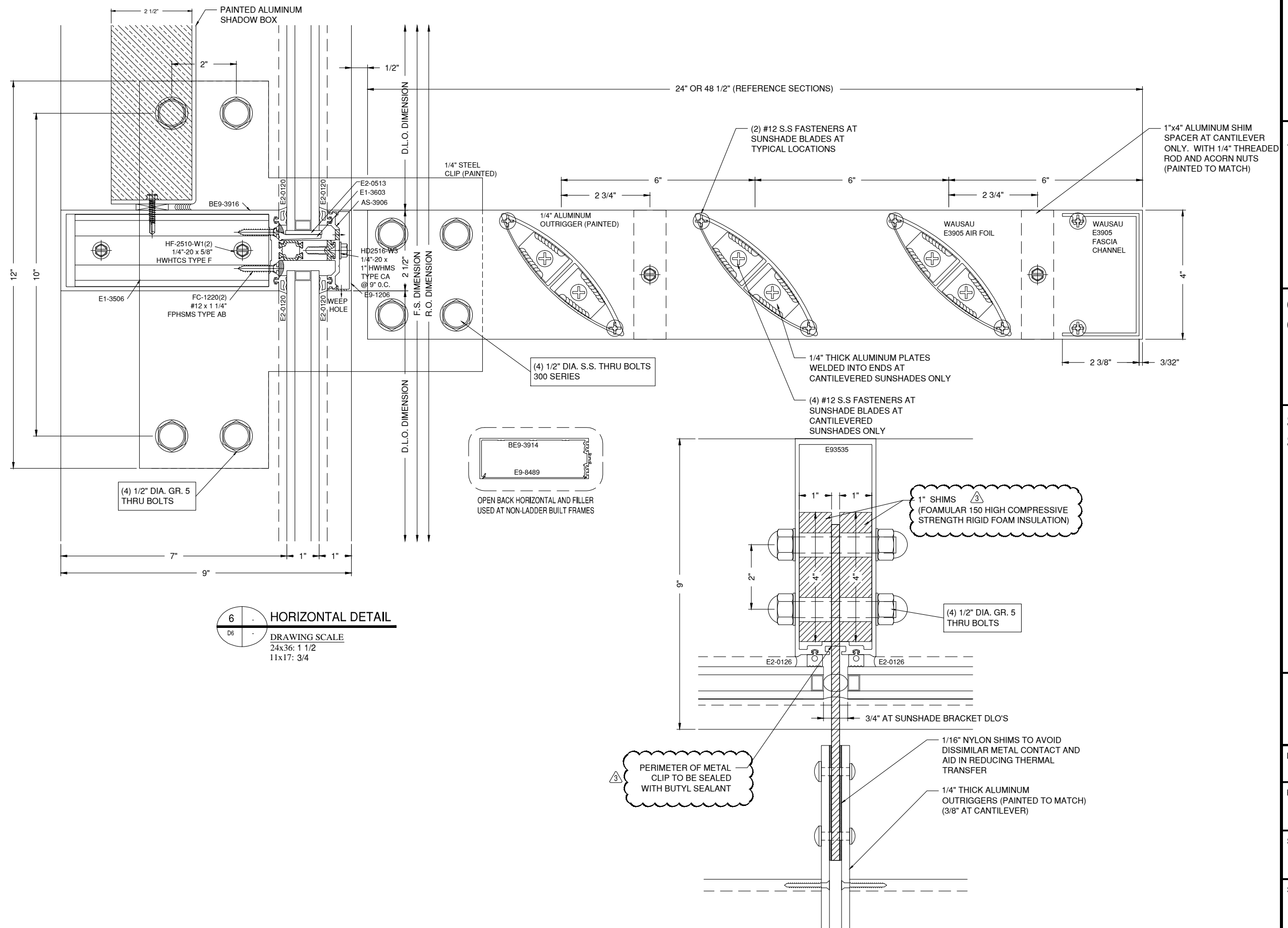
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PROJECT NAME:  
**WHIRLPOOL**

SHEET DESCRIPTION:  
**DETAILS**

SHEET:  
**D6**





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SUBMITTALS:**

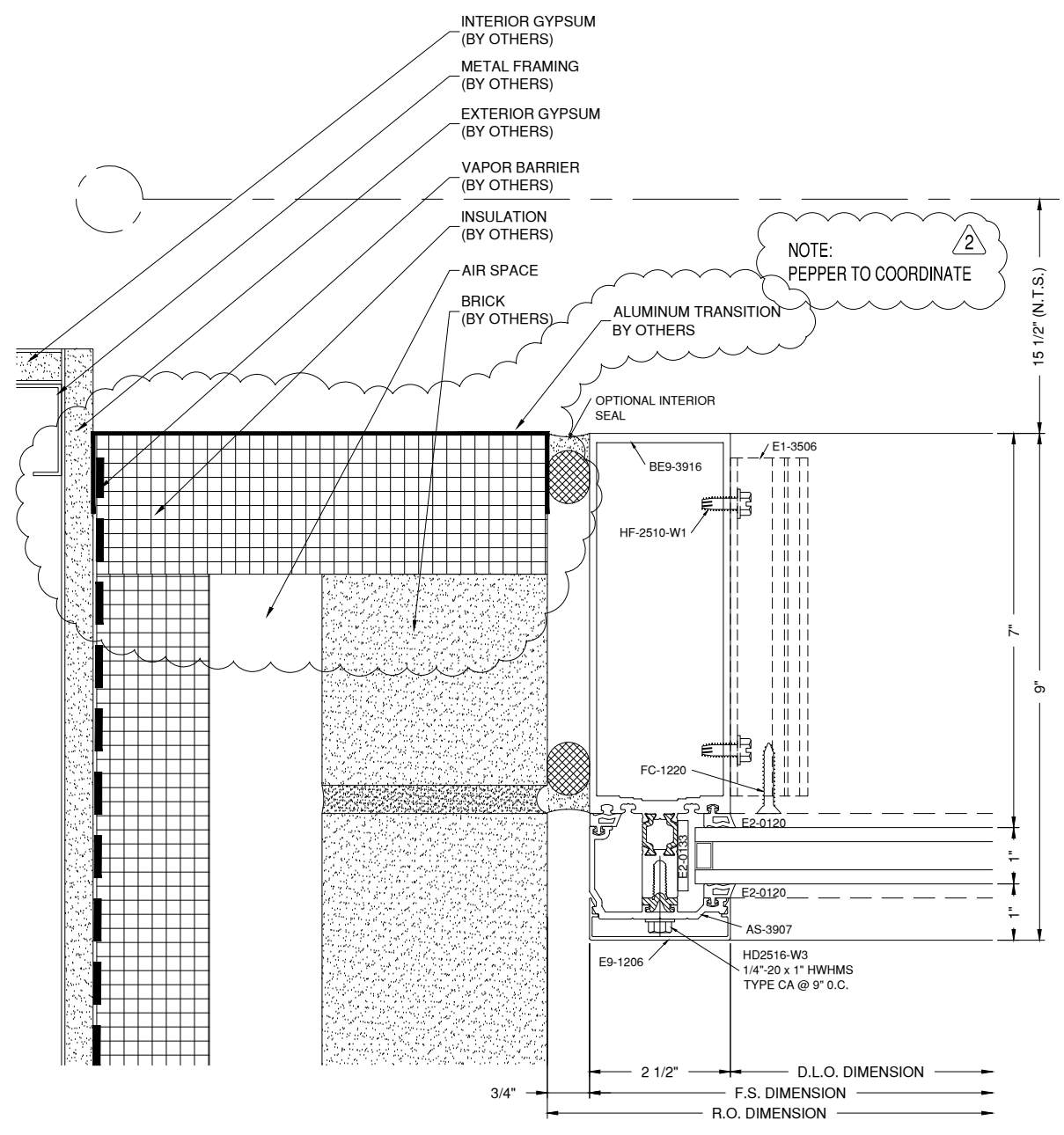
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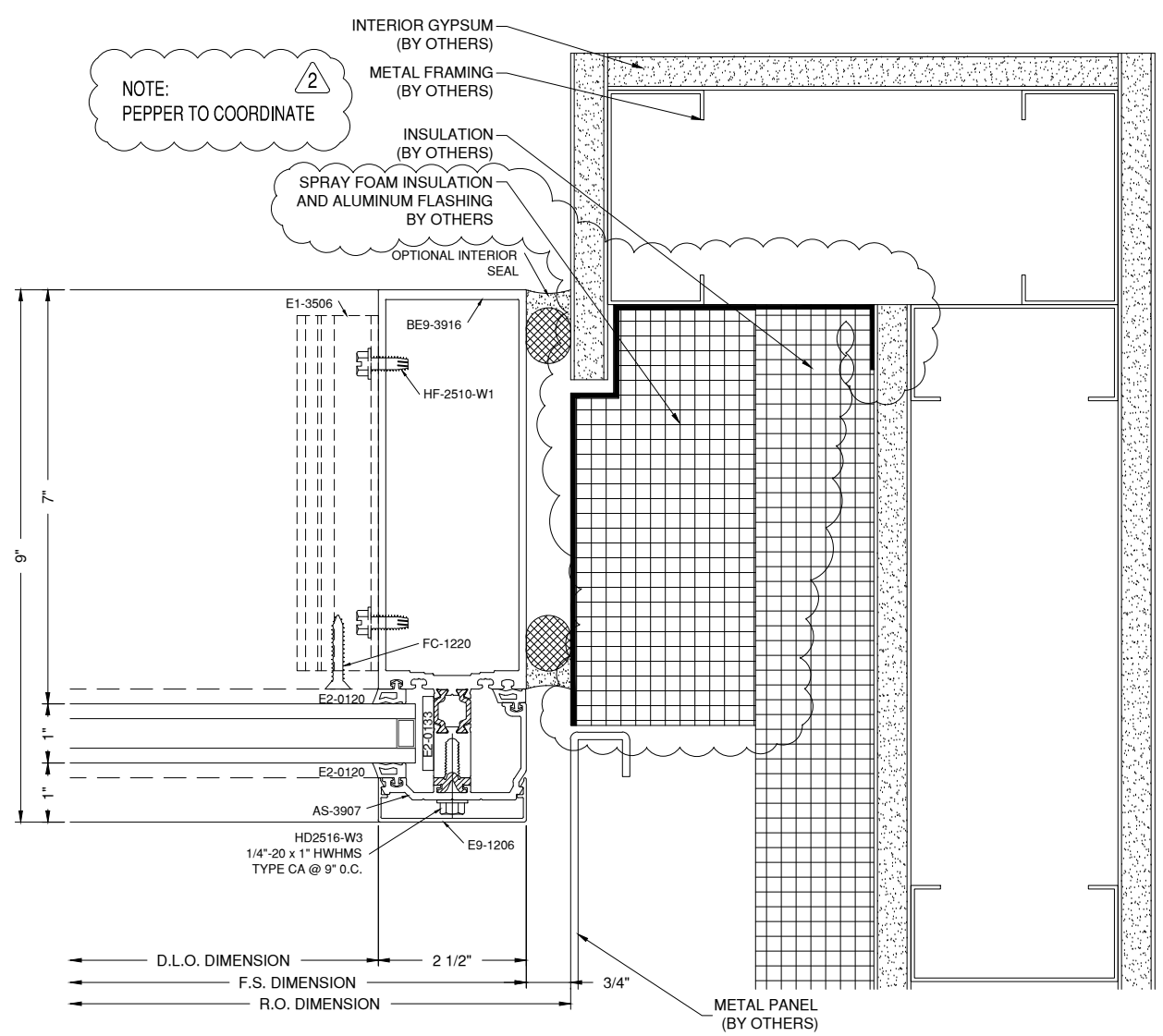
**PROJECT NAME:**  
WHIRLPOOL

**SHEET DESCRIPTION:**  
DETAILS

**SHEET:**  
**D9**



**11** JAMB DETAIL  
DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4



**12** JAMB DETAIL  
DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4

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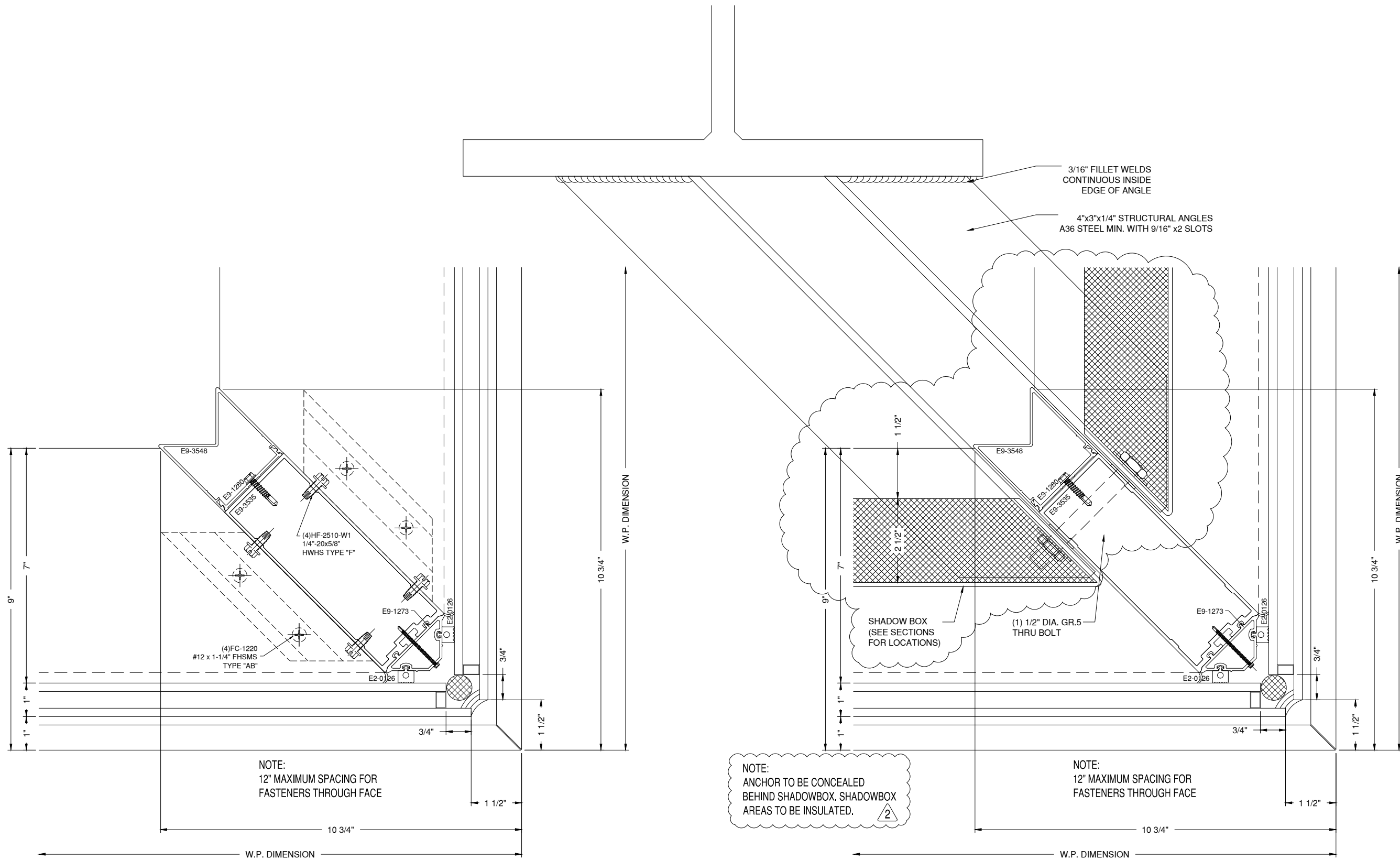
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## STAMPS/ SUBMITTALS:



19 4 CORNER DETAIL  
D13 A-500.02 DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4

19A 4 CORNER DETAIL  
D13 A-500.02 DRAWING SCALE  
24x36: 1 1/2  
11x17: 3/4

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SHEET DESCRIPTION:  
DETAILS

SHEET:  
**D13**