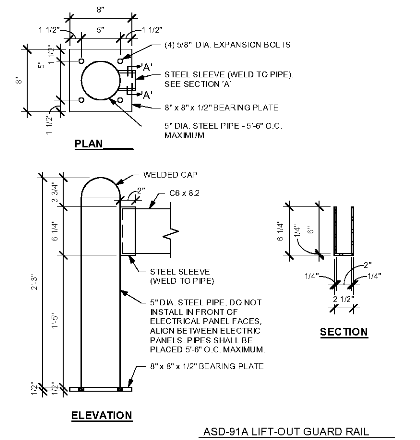


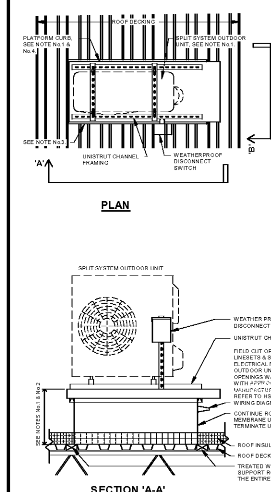
ASD-91A LIFT-OUT GUARD RAIL
1 1/2" = 1'-0"

NOTES:

1. GUARD RAILS TO BE INSTALLED IN FRONT OF EQUIPMENT AS NEEDED - I. E. FLOOR MOUNTED A.C. UNITS, SPRINKLER RISERS, ETC.
2. GUARD RAILS TO BE INSTALLED AFTER EQUIPMENT HAS BEEN SET AND OPERATIONAL. COORDINATE LOCATIONS OF RAILS WITH KROGER ENGINEER.

LIFT-OUT GUARD RAIL	DATE: 1/11/11
	DRAWN: JQ
MASTER SPECIFICATION DETAIL	ASD-91A

ORIGINAL ISSUE DATE 1/11/11



NOTES:

1. INSTALL CURB AS SHOWN ON ARCHITECTURAL PLANS.
2. ATTACH CURB FLANGE TO ROOF DECKING AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD -- SHIM CURB AS REQUIRED TO MAKE LEVEL.
3. INSTALL PLATFORM CURB ON ROOF DECKING, MAKE ATTACHMENTS WITH SCREWS ON ALL SIDES.
4. 18" HIGH PREFABRICATED PLATFORM CURB - FEATURES:
   - 18 GAUGE GALVANIZED CONSTRUCTION
   - FULL HEIGHT GALVANIZED WELDED CORNERS
   - 18 GAUGE GALVANIZED CAP
   - PRESSURE TREATED 2 x 4 WOOD
   - 3/4" PLYWOOD UNDER CAP
   - UNISTRUT CHANNEL FRAMING AND UNISTRUT ATTACHMENT HARDWARE, FOR ATTACHING SPLIT SYSTEM UNIT AND DISCONNECT SWITCH

REFER TO CURB MANUFACTURER'S DETAILS FOR INFORMATION.

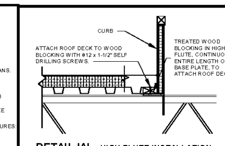
FIELD CUT OPENINGS FOR LINESETS & SEALTIGHT ELECTRICAL FEEDS TO OUTDOOR UNIT. SEAL OPENINGS WATER TIGHT WITH APPROVED ROOFING MANUFACTURER BOOTS. REFER TO HSD-11 FOR WIRING DIAGRAM.

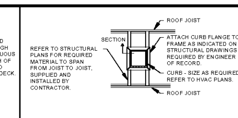
TREATED WOOD BLOCKING AS REQUIRED IN FLUTES TO SUPPORT ROOF DECKING AND CURB. RUN BLOCKING THE ENTIRE LENGTH OF CURB FLANGE - TYPICAL.

ASD-89 PREFABRICATED NON-STRUCTURAL PLATFORM CURB
3/4" = 1'-0"

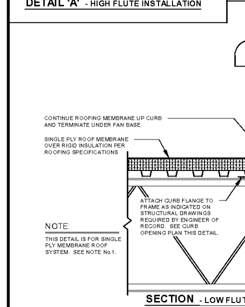
PREFABRICATED NON-STRUCTURAL PLATFORM CURB	DATE: 1/22/18
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-89

ORIGINAL ISSUE DATE 4/15/11





ASD-88 (2 OF 2) CURB OPENING PLAN
1/8" = 1'-0"



ASD-88 (1 OF 2) PREFABRICATED FAN CURB
3/4" = 1'-0"

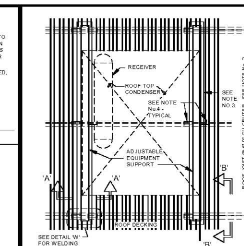
NOTES:

1. REFERENCE ROOFING DETAILS ASD-64C, ASD-65C & ASD-66C FOR ROOF FLASHING.
2. TWO SIDES OF CURB SHALL BE SUPPORTED BY FRAME, NO ADDITIONAL STEEL SUPPORT REQUIRED.
3. SEE KROGER STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. FOR SEISMIC OR OTHER STRUCTURAL CONCERNS PROVIDE AND INSTALL ADDITIONAL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD.
5. ATTACH CURB TO STEEL AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD.
6. NEW STORE CONSTRUCTION TO REMAIN UNPAINTED. PAINT TO MATCH EXISTING FOR EXPANSION REMODELS.

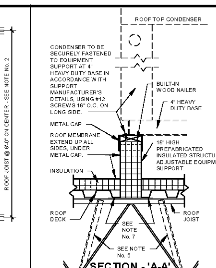
INSTALLATION SEQUENCE:
1. SET STRUCTURAL STEEL JOIST.
2. INSTALL FIELD FABRICATED FRAME.
3. INSTALL FAN CURB.
4. INSTALL STEEL DECK.
5. INSTALL INSULATION AND ROOFING.
6. PAINT STRUCTURAL STEEL & DECK TO MATCH EXISTING FOR EXPANSION REMODELS.

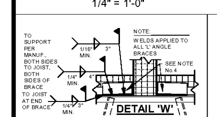
PREFABRICATED FAN CURB	DATE: 11/10/16
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-88

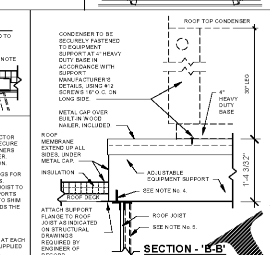
ORIGINAL ISSUE DATE 10/1/09



ASD-81A (1 OF 2) PLAN
1/4" = 1'-0"







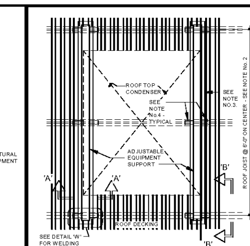
ASD-81A (2 OF 2) SUPPORT FOR CONDENSER - WITH FRAME - NEW CONSTRUCTION
3/4" = 1'-0"

NOTES:

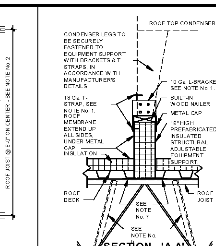
1. ADJUSTABLE EQUIPMENT SUPPORTS ARE CONTRACTOR SUPPLIED AND CONTRACTOR INSTALLED ITEMS. SECURE EQUIPMENT TO EQUIPMENT SUPPORT WITH FASTENERS SUPPLIED BY EQUIPMENT SUPPORT MANUFACTURER. REFER TO MANUFACTURER'S DETAIL FOR DIRECTION.
2. THE CONDENSERS SIZES VARY, REFER TO DRAWINGS FOR REQUIRED SPACING OF EQUIPMENT SUPPORT LEGS. SUPPORT LEGS TO SPAN FROM CENTER OF FIRST JOIST TO CENTER OF LAST JOIST. ADJUST EQUIPMENT SUPPORTS SO THAT CONDENSERS SIT LEVEL. CONTRACTOR TO SHIM SUPPORTS AS NEEDED WHEN ROOF SLOPE EXCEEDS THE STANDARD LIMIT OF ADJUSTMENT.
3. ROOFER TO INSTALL CRICKET WHERE EQUIPMENT SUPPORT IMPEDES DIRECTION OF DRAINAGE.
4. L3 x 3 x 1/4 x 7" LONG STEEL ANGLES, TWO PLACES AT EACH JOIST AND SUPPORT LOCATIONS. CONTRACTOR SUPPLIED AND INSTALLED AFTER SUPPORTS HAVE BEEN SET.
5. FOR SEISMIC OR OTHER STRUCTURAL CONCERNS PROVIDE AND INSTALL ADDITIONAL STEEL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD.
6. SUPPORT TO STRUCTURAL STEEL ATTACHMENT METHOD WHEN INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD SHALL SUPERCEDE THE ATTACHMENT RECOMMENDATION CONTAINED HEREIN.
7. ATTACH ROOF DECK TO SUPPORT FLANGE AT 12" O.C. - TYPICAL.

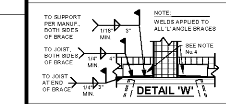
SUPPORT FOR CONDENSER - WITH FRAME - NEW CONSTRUCTION	DATE: 1/30/15
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-81A

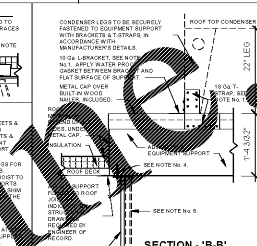
ORIGINAL ISSUE DATE 10/1/09



ASD-81 (1 OF 2) PLAN
1/4" = 1'-0"







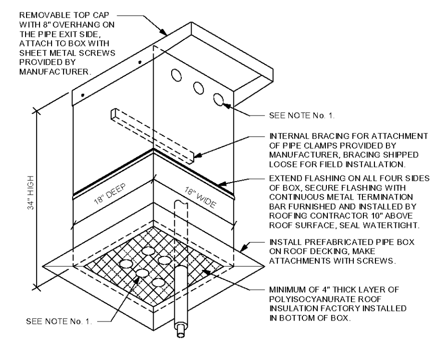
ASD-81 (2 OF 2) SUPPORT FOR CONDENSER - WITH LEGS - NEW CONSTRUCTION
3/4" = 1'-0"

NOTES:

1. ADJUSTABLE EQUIPMENT SUPPORTS, 10 Ga. BRACKETS & 18 Ga. T-STRAPS, ARE CONTRACTOR SUPPLIED AND CONTRACTOR INSTALLED ITEMS. SECURE BRACKETS & T-STRAPS TO EQUIPMENT SUPPORT AND EQUIPMENT WITH FASTENERS SUPPLIED BY EQUIPMENT SUPPORT MANUFACTURER.
2. THE CONDENSERS SIZES VARY, REFER TO DRAWINGS FOR REQUIRED SPACING OF EQUIPMENT SUPPORT LEGS. SUPPORT LEGS TO SPAN FROM CENTER OF FIRST JOIST TO CENTER OF LAST JOIST. ADJUST EQUIPMENT SUPPORTS SO THAT CONDENSERS SIT LEVEL. CONTRACTOR TO SHIM SUPPORTS AS NEEDED WHEN ROOF SLOPE EXCEEDS THE STANDARD LIMIT OF ADJUSTMENT.
3. ROOFER TO INSTALL CRICKET WHERE EQUIPMENT SUPPORT IMPEDES DIRECTION OF DRAINAGE.
4. L3 x 3 x 1/4 x 7" LONG STEEL ANGLES, TWO PLACES AT EACH JOIST AND SUPPORT LOCATIONS. CONTRACTOR SUPPLIED AND INSTALLED AFTER SUPPORTS HAVE BEEN SET.
5. FOR SEISMIC OR OTHER STRUCTURAL CONCERNS PROVIDE AND INSTALL ADDITIONAL STEEL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD.
6. SUPPORT TO STRUCTURAL STEEL ATTACHMENT METHOD WHEN INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD SHALL SUPERCEDE THE ATTACHMENT RECOMMENDATION CONTAINED HEREIN.
7. ATTACH ROOF DECK TO SUPPORT FLANGE AT 12" O.C. - TYPICAL.

SUPPORT FOR CONDENSER - WITH LEGS - NEW CONSTRUCTION	DATE: 1/30/15
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-81

ORIGINAL ISSUE DATE 10/1/09



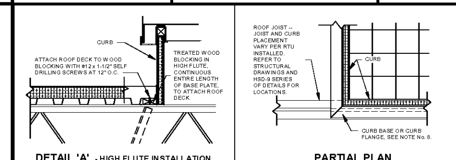
ASD-79 ISOMETRIC - LOOKING UP
1" = 1'-0"

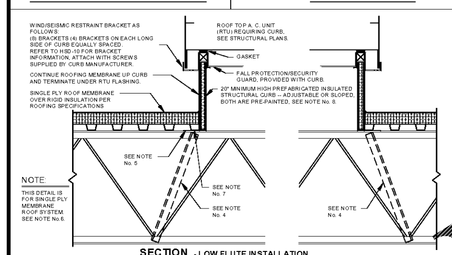
NOTES:

1. FIELD CUT OPENINGS FOR REFRIGERANT LINES AND SEAL TIGHT ELECTRICAL FEEDS TO CONDENSER. CUT HOLE SIZE TO INCLUDE PIPE INSULATION. SEAL OPENINGS WATER TIGHT WITH BUTYL CAULK.
2. PIPE BOX IS CONTRACTOR SUPPLIED AND CONTRACTOR INSTALLED.

PREFABRICATED SHEET METAL BOX FOR MECHANICAL PIPING	DATE: 5/13/13
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-79

ORIGINAL ISSUE DATE 4/11/07





ASD-78 PREFABRICATED RTU CURB
3/4" = 1'-0"

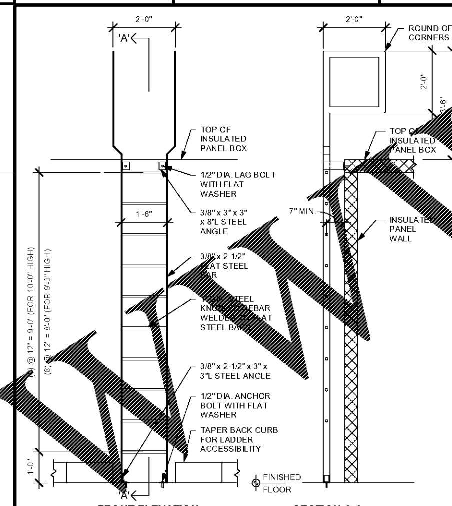
NOTES:

1. SEE KROGER STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. SUPPLY AIR & RETURN AIR OPENINGS IN CURB VARY, REFER TO HSD-9 SERIES OF DETAILS FOR CURB PLACEMENT PER CABINET SIZE.
3. SEE KROGER STANDARD SPECIFICATIONS AND DETAILS HSD-1 & HSD-3 FOR ADDITIONAL INFORMATION.
4. FOR SEISMIC OR OTHER CONCERNS PROVIDE AND INSTALL ADDITIONAL STEEL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWINGS BY ENGINEER OF RECORD.
5. ALTERNATIVELY FASTEN CURBS TO SUPPORTING STEEL STRUCTURE USING #12 INTERCORP SELF DRILLING SCREWS @ 12" O.C. MAX. SPACING ALONG EACH SHORT SIDE AND @24" O.C. MAX. SPACING ALONG EACH LONG SIDE.
6. REFERENCE ROOFING DETAILS ASD-65C & ASD-66C FOR ROOF FLASHING.
7. ATTACH ROOF DECK TO CURB BASE PLATE FLANGE, THRU LOW FLUTES, APPROX 12" O.C. ON ALL SIDES.
8. PREFABRICATED CURB COMES IN TWO MODELS -- ADJUSTABLE AND SLOPED, BASED ON RTU INSTALLED, AS FOLLOWS:
   ADJUSTABLE CURB - ALL RTU'S EXCEPT BOX - HSD-9D. TWO PIECES, CURB AND CURB BASE. INSTALL CURB TO BASE PLATE AND LEVEL, ATTACH CURB TO BASE PLATE THRU PRE-PUNCHED HOLES WITH TEK SCREWS SUPPLIED WITH CURB.
   SLOPED CURB - 'D' BOX ONLY - ONE PIECE STRUCTURAL, PRE-SLOPED.
9. NEW STORE CONSTRUCTION TO REMAIN UNPAINTED. PAINT TO MATCH EXISTING FOR EXPANSION REMODELS. THE INSIDE RTU, PROTECT WITH PLASTIC FILM, REMOVE PLASTIC AFTER THE INSIDE IS PAINTED.

INSTALLATION SEQUENCE:
1. SET STRUCTURAL STEEL JOIST.
2. INSTALL PREFABRICATED CURB.
3. INSTALL STEEL DECK.
4. INSTALL INSULATION AND ROOFING.
5. PAINT STRUCTURAL STEEL & DECK TO MATCH EXISTING FOR EXPANSION REMODELS.

PREFABRICATED RTU CURB	DATE: 11/10/16
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-78

ORIGINAL ISSUE DATE 2/20/06



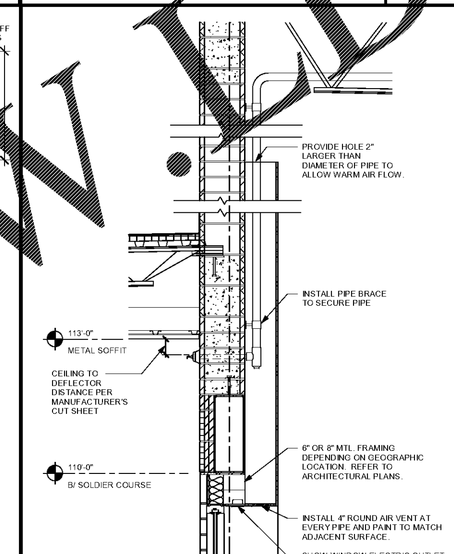
ASD-77 FIXED VERTICAL LADDER AT INSULATED PANEL WALL
1/2" = 1'-0"

NOTES:

1. FABRICATE LADDER TO COMPLY WITH IBC, OSHA/ANSI STANDARDS CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR OWNER/ARCHITECT APPROVALS.

FIXED VERTICAL LADDER AT INSULATED PANEL WALL	DATE: 2/13/17
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-77

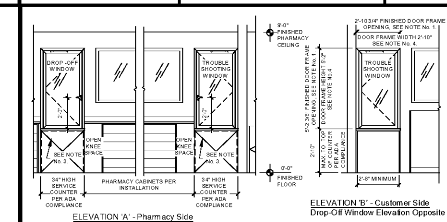
ORIGINAL ISSUE DATE 2/13/17

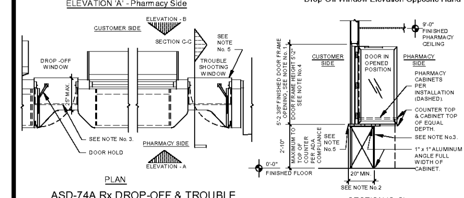


ASD-76 SECTION
3/4" = 1'-0"

FRONT WALL FOR SPRINKLER ACCESS	DATE: 11/10/16
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-76

ORIGINAL ISSUE DATE 11/10/16





ASD-74A Rx DROP-OFF & TROUBLE SHOOTING COUNTER DOORS
1/4" = 1'-0"

NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISHED GWB. FINISHED DOOR FRAME OPENING HAS 3/8" SPACE ON TOP AND SIDES FOR SHIMMING AND CAULKING.
2. 20" DEPTH x 2'-8" MIN. WIDTH x 27" HIGH MINIMUM CLEAR OPENING FOR WHEELCHAIR ACCESS PER ADA. PROVIDE ENCLOSURE AS NEEDED TO SECURE PHARMACY, SEE NOTE No. 3.
3. PROVIDE SECURE ENCLOSURE AS PART OF CABINETRY WORK FROM FLOOR TO UNDERSIDE OF COUNTER, BOTH SIDES & REAR WALLS OF OPENING. CONSTRUCT WALLS OF 3/4" PARTICLE BOARD LAMINATED ON BOTH SIDES.
4. DOOR FRAME DIMENSIONS - 2'-10" WIDE x 5'-2" HIGH.
5. COUNTER TOP TO EXTEND 1 1/2" BEYOND FINISHED PARTITION.
6. ALL CABINETRY INSTALLED BY FIXTURE INSTALLER. WALLS, DOORS AND GLAZING INSTALLED BY GENERAL CONTRACTOR. REFER TO SPECIFICATIONS IN PROJECT MANUAL.
7. PROVIDE BLOCKING IN WALL STUDS AROUND DOOR FRAMES FOR SECURE MOUNTING.

DOOR & FRAME REQUIREMENTS:

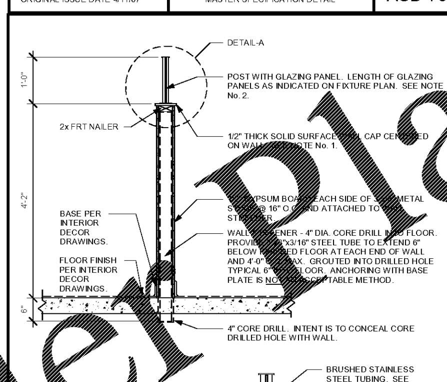
'A' DOOR & FRAME ASSEMBLY --- EXAMPLE BASED ON KAWNEER:
DOOR -- 190 NARROW STILE CUT DOWN, WITH 2 1/8" VERTICAL STILES, 2 1/4" TOP & BOTTOM RAILS, WITHOUT THRESHOLD.
FRAME --TRIFAB 450 (1 3/4" x 4 1/2") INDICATED.
HINGE -- BUTT STYLE.

'B' HARDWARE:
HANDLE - ADAMS RITE DEADLATCH HANDLE 4560 SERIES.
DOOR STOP/HOLD - SIMILAR TO RIXSON ADJUSTABLE STANDARD.
LATCH - SIMILAR TO ADAMS RITE STANDARD DUTY DEADLATCH 4510 SERIES, FURNISHED WITH 4902-01 STRIKE PLATE (FOR PROPER OPERATION OF AUXILIARY BOLT) AND NO KEY ON CUSTOMER SIDE

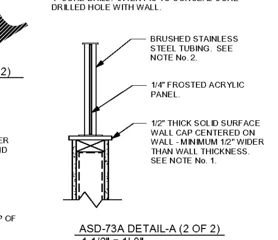
'C' DOOR & FRAME ASSEMBLY AND GLAZING TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

Rx DROP-OFF & TROUBLE SHOOTING WINDOW COUNTER DOORS	DATE: 7/11/16
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-74A

ORIGINAL ISSUE DATE 6/22/16



ASD-73A SECTION (1 OF 2)
3/4" = 1'-0"



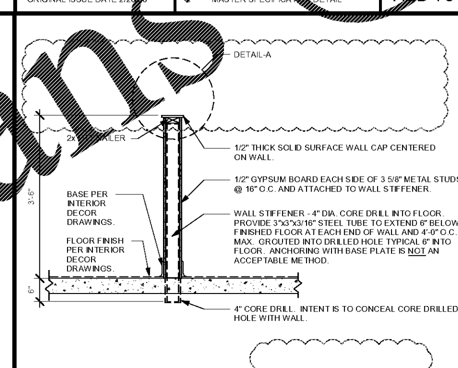
ASD-73A DETAIL-A (2 OF 2)
1 1/2" = 1'-0"

NOTES:

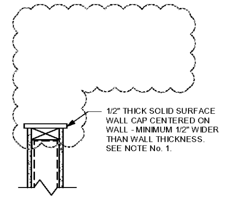
1. SOLID SURFACE WALL CAP. REFER TO DIVISION 06 FOR MATERIAL AND DIVISION 01 DECOR FOR COLOR.
2. POST AND PANEL ARE PART OF DECOR PACKAGE
3. FABRICATOR TO PROVIDE SHOP DRAWINGS FOR SPACING OF STAINLESS STEEL TUBING AT TOP OF WALL.

SUSHI-DELI SEATING AREA LOW WALL	DATE: 3/24/17
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-73A

ORIGINAL ISSUE DATE 11/10/16



ASD-73 SECTION (1 OF 2)
3/4" = 1'-0"



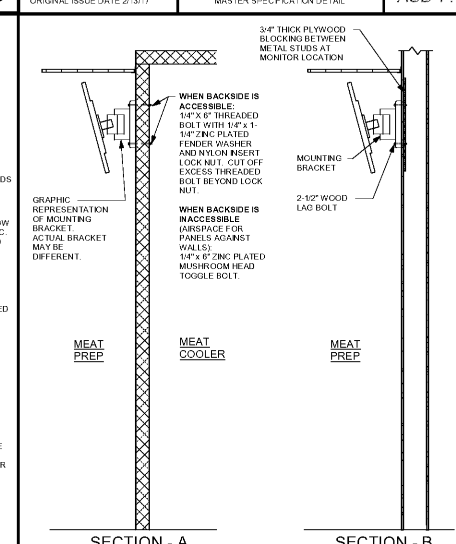
ASD-73 DETAIL-A (2 OF 2)
1 1/2" = 1'-0"

NOTES:

1. SOLID SURFACE WALL CAP. REFER TO DIVISION 06 FOR MATERIAL AND DIVISION 01 DECOR FOR COLOR.

SEATING AREA LOW DIVIDING WALL	DATE: 3/24/17
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-73

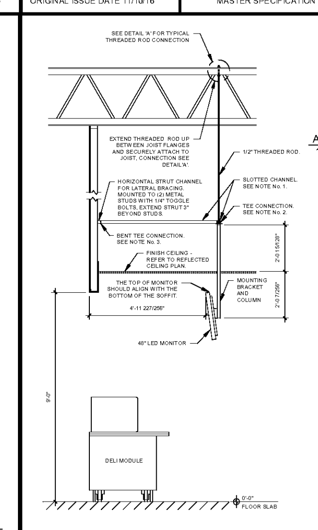
ORIGINAL ISSUE DATE 5/7/14



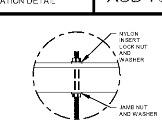
ASD-72C MEAT PREP MONITOR MOUNTING
3/4" = 1'-0"

MEAT PREP MONITOR MOUNTING	DATE: 11/29/17
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-72C

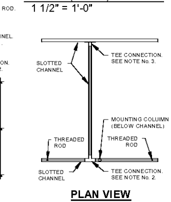
ORIGINAL ISSUE DATE 11/8/16



ASD-72 (1 OF 2) DELI MONITOR MOUNTING
3/8" = 1'-0"



ASD-72 (2 OF 2) DETAIL 'A'
1 1/2" = 1'-0"



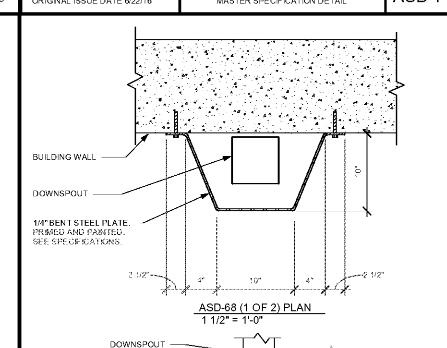
NOTES

1. ALL CHANNEL IS COPPER B-LINE STRUT SYSTEMS B22SH SLOTTED CHANNEL.
2. COOPER B-LINE STRUT SYSTEMS B133 FOUR HOLE TEE PLATE.
3. COOPER B-LINE STRUT SYSTEMS B357 FOUR HOLE OFFSET BENT TEE PLATE.
4. IF THREADED RODS ARE NOT FULL LENGTH USE JAMB NUTS ON BOTH SIDES OF COUPLER.
4. IF THREADED RODS CANNOT BE CONNECTED AT BAR JOIST TOP CHORD, SPAN (3) BAR JOISTS WITH STRUT CHANNEL.
5. ADJUST ANGLE OF MONITOR FOR BEST VIEW OF DISPLAY.
6. ATTACHMENTS CAN BE MADE TO EITHER TOP CHORD OF JOIST OR UNISTRUT CHANNEL SPANNING THE TOP CHORD, ATTACHMENT OF UNISTRUT TO ROOF METAL DECKING WILL NOT BE PERMITTED.

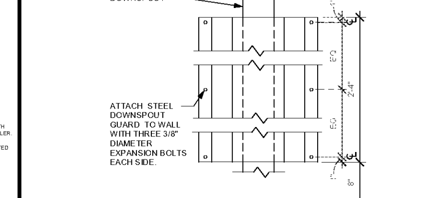
K-0056897 48" MONITOR
K-0053658 MOUNTING KIT

DELI MONITOR MOUNTING	DATE: 9/6/16
	DRAWN: TMW / ZW
MASTER SPECIFICATION DETAIL	ASD-72

ORIGINAL ISSUE DATE 9/6/16



ASD-68 (1 OF 2) PLAN
1 1/2" = 1'-0"



ASD-68 (2 OF 2) ELEVATION
1" = 1'-0"

DOWNSPOUT GUARD	DATE: 11/10/11
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-68

ORIGINAL ISSUE DATE 8/1/07

EXECUTED BY: Author
REVIEWED BY: Checker

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