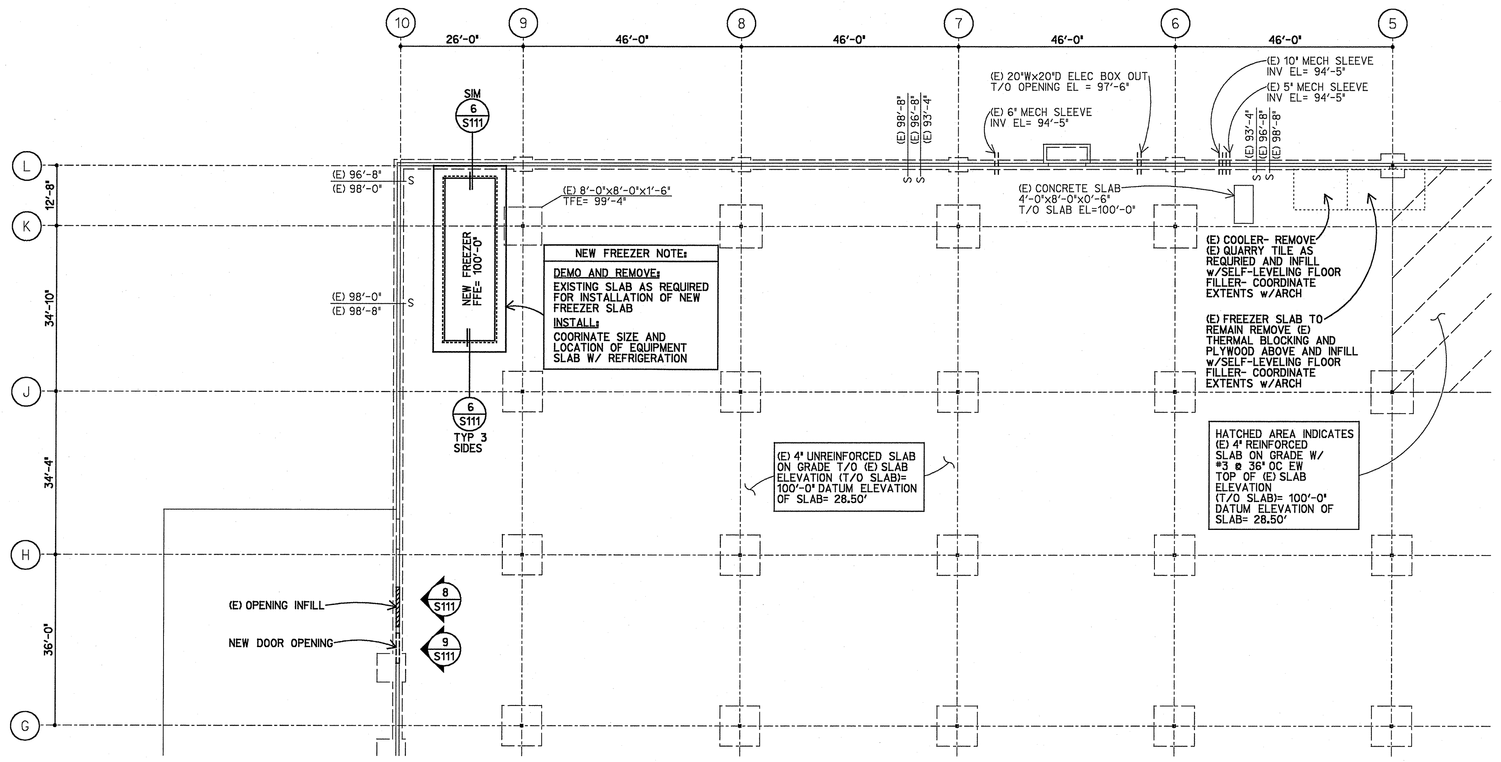


TRUE N
GRID N

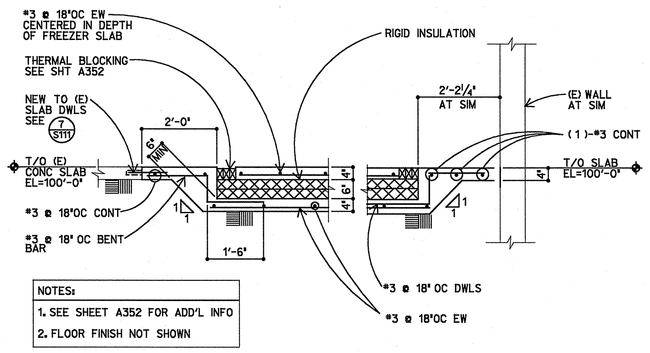
1 S111 PARTIAL FOUNDATION PLAN
1/16" = 1'-0"

GENERAL FOUNDATION NOTES	
A. FOR GENERAL STRUCTURAL NOTES SEE THIS SHEET.	D. SEE ARCH, MECH, & ELEC DRAWINGS FOR UNDERFLOOR MECH PIPING AND ELEC CONDUIT LOCATIONS.
B. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES.	E. COORDINATE WORK WITH GENERAL CONSTRUCTION DEMOLITION NOTES ON SHEET AD111.
C. FOR TYP NEW TO EXISTING SLAB ON GRADE SEE 7 S111.	F. SEE KEY PLAN THIS SHEET.

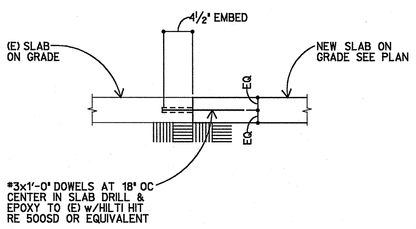
2 S111 NOT USED

3 S111 NOT USED

4 S111 NOT USED

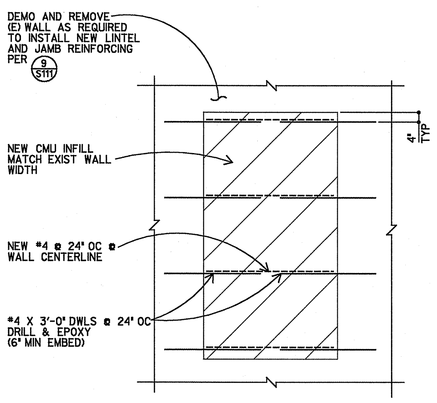


6 S111 FREEZER SLAB DETAIL
1/2" = 1'-0"

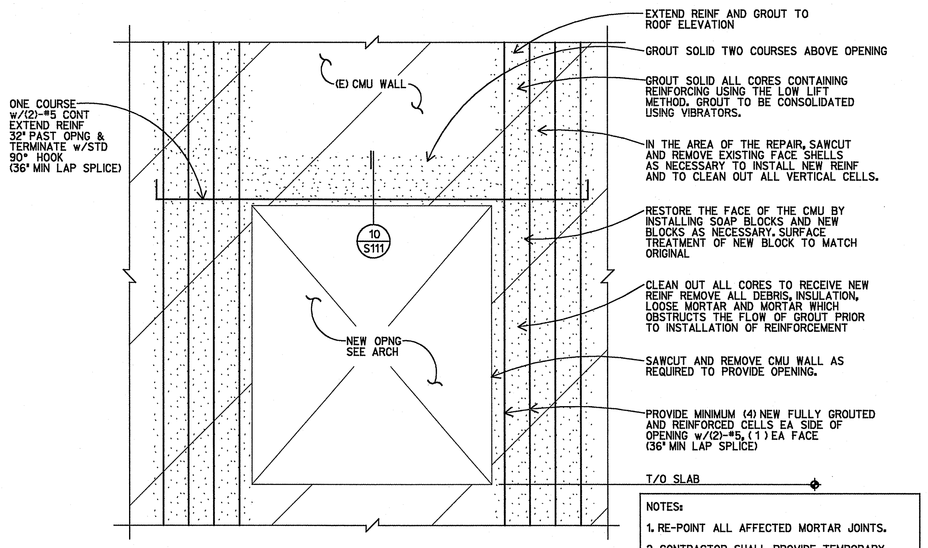


7 S111 TYP NEW TO EXISTING SLAB DETAIL
1" = 1'-0"

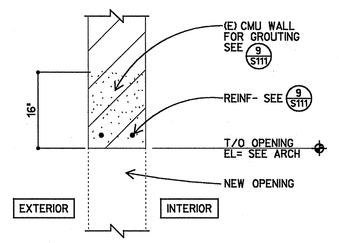
5 S111 NOT USED



8 S111 EXIST OPENING INFILL DETAIL
NO SCALE



9 S111 NEW OPENING ELEVATION
1/2" = 1'-0"



10 S111 LINTEL DETAIL
3/4" = 1'-0"

STRUCTURAL SHEET INDEX

S111	GENERAL STRUCTURAL NOTES, PARTIAL FOUNDATION PLAN & DETAILS
S112	PARTIAL FOUNDATION PLAN, ELEVATION & DETAILS
S141	PARTIAL ROOF FRAMING PLANS & DETAILS

QUALITY ASSURANCE REVIEW

REVIEWED BY: Michael S. Steenson

DATE: 09-26-11

GENERAL STRUCTURAL NOTES

1. DESIGN CODES
   - A. THE 2007 FLORIDA STATE BUILDING CODE
   - B. ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
   - C. AISC 360, 'SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS'
   - D. ACI 318-05, 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE'
   - E. AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
   - F. ACI 530-05/ASCE 5-05/TMS 402-05 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
2. DESIGN STRESSES
   - A. STEEL:
     - WIDE FLANGE STRUCTURAL STEEL ..... Fy = 50 KSI (ASTM A992)
     - MISCELLANEOUS STRUCTURAL STEEL SHAPES (OTHER THAN WIDE FLANGE) ..... Fy = 36 KSI (ASTM A36)
     - STRUCTURAL TUBING ..... Fy = 46 KSI (ASTM A500, GRADE B)
     - STRUCTURAL PIPE ..... Fy = 35 KSI (ASTM A53, GRADE B)
   - B. CONCRETE/MASONRY:
     - FOOTINGS ..... f'c = 3000 PSI
     - SLABS ON GRADE ..... f'c = 3000 PSI
     - ALL OTHER ..... f'c = SEE SPECIFICATIONS
     - REINFORCING ..... Fy = 60 KSI (ASTM A615) UNO
     - CONCRETE MASONRY UNIT ..... f'm = 1500 PSI, SEE SPEC
3. DESIGN LOADS
   - ROOF LIVE LOAD ..... 20 PSF REDUCIBLE
   - ROOF SNOW LOAD ..... 0 PSF
   - GROUND SNOW LOAD ..... 0 PSF
   - SNOW EXPOSURE FACTOR 1.0
   - SNOW LOAD IMPORTANCE FACTOR 1.0
   - THERMAL FACTOR 1.0
   - BASIC WIND SPEED ..... 120 MPH
   - WIND EXPOSURE CATEGORY ..... B
   - WIND IMPORTANCE FACTOR 1.0
4. CAST-IN-PLACE CONCRETE
   - A. ARRANGEMENT AND BENDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES'
   - B. PROVIDE SUITABLE WIRE SPACERS, CHAIRS AND TIES FOR SUPPORTING REINFORCING STEEL IN PROPER POSITION
   - C. SPLICE REINFORCING 48 BAR DIAMETERS UNLESS NOTED OTHERWISE
   - D. CONCRETE COVERAGE SHALL COMPLY WITH CHAPTER 7 OF ACI 318
   - E. COORDINATE SIZES AND LOCATION OF SLEEVES, INSERTS AND BOX-OUTS REQUIRED
5. STRUCTURAL STEEL

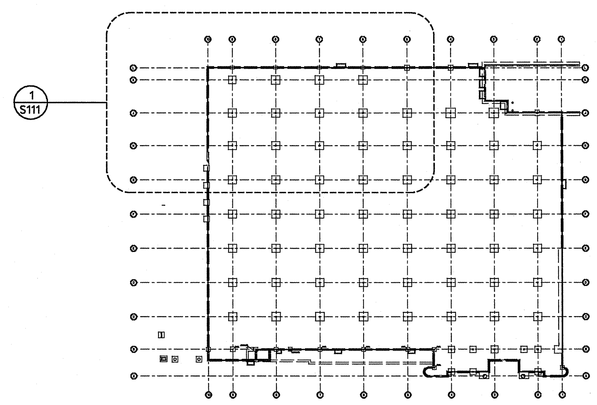
   UNLESS DETAILED OTHERWISE, MAKE WELDED CONNECTIONS USING E70XX ELECTRODES OR BOLTED WITH ¾" A325-N BOLTS.

   STRUCTURAL STEEL NOTED ON DRAWINGS AS 'GALVANIZED' SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. AFTER ERECTING TOUCH UP DAMAGED AREAS WITH ZINC RICH PAINT.
6. ROOF OPENINGS
   - A. ALL NEW ROOF OPENINGS SHALL BE LESS THAN 12"x12", EXCEPT AT DHU DUCT DROPS AND RTCR PIPE BOX OPENINGS- SEE 7 S141 11 S141.

     - COORDINATE WITH STRUCTURAL ENGINEER OF RECORD FOR DESIGN DIRECTION FOR ANY ROOF DECK OPENINGS GREATER THAN 12"x12" UNO.
   - B. PATCH HOLES IN EXISTING ROOF DECK W/ 1½-22 GA MINIMUM TYPE B ROOF DECK, OVERLAY OPENINGS 3" MIN EA SIDE SCREW TO EXIST ROOF DECK W/ #10 TEK SCREWS @ 6" OC
7. POINT/HANGING LOADS

   ITEMS OTHER THAN CEILING GRID, THAT ARE TO BE HUNG FROM ROOF STRUCTURE, SHALL IMPART LOADS TO JOISTS AT TOP OR BOTTOM CHORD PANEL POINTS ONLY UNLESS DETAILED OR NOTED OTHERWISE. THE MAXIMUM ALLOWABLE LOAD TO ANY JOIST PANEL POINT IS 100 POUNDS UNLESS APPROVED BY THE STRUCTURAL ENGINEER. LOCATE PANEL POINT LOADS AT LEAST 6 FEET FROM ANY OTHER POINT LOAD ON THE SAME JOIST. IF THIS CONDITION CANNOT BE MET NOTIFY THE STRUCTURAL ENGINEER PRIOR TO START OF WORK. FOR JOIST REINFORCMENT AND OTHER REQUIREMENTS AT POINT/HANGING LOAD CONDITIONS SEE 2 S141.
8. POST INSTALLED CONCRETE ANCHORS

   USE HILTI KWIK BOLT TII (ICC ESR-1385, COLA RR 25577) OR HILTI HIT HY 150 MAX ADHESIVE ANCHOR SYSTEM (ICC ESR-1967, COLA RR 25652) FOR SOLID GROUTED CMU ONLY. USE HILTI KWIK BOLT TZ (ICC ESR-1917, COLA RR 25701) OR HILTI HIT-RE 500-SD ADHESIVE (ICC ESR-2322, COLA RR 25700) FOR CAST IN PLACE CONCRETE ONLY, OR USE POST INSTALLED ANCHORS AS SPECIFIED IN DRAWINGS. SUBMIT ALTERNATES WITH TECHNICAL TEST DATA AND ICC ESR NUMBER FOR APPROVAL BY STRUCTURAL ENGINEER PRIOR TO USE.
9. CONCRETE DEMOLITION AND REPLACEMENT NOTES
   - A. CONTRACTOR TO DETERMINE EXTENT OF SLAB REMOVAL REQUIRED FOR NEW CONSTRUCTION. COORD W/ ARCHITECTURAL, MECHANICAL, ELECTRICAL AND TARGET OSR
   - B. TYPICAL NEW CONCRETE SLAB ON GRADE: 4" CONCRETE (UNREINFORCED)
   - C. TYPICAL NEW TO EXISTING CONCRETE SLAB ON GRADE SEE 7 S111
   - D. DURING DEMOLITION IF IT IS DISCOVERED THAT EXISTING FOOTING OR FOUNDATIONS WILL INTERFERE WITH THE PLACEMENT OF NEW UNDERFLOOR MECHANICAL OR ELECTRICAL CONTACT TARGET STORE DESIGN BEFORE PROCEEDING.
   - E. PLACE CONTROL JOINTS FOR NEW CONCRETE SLABS TO MATCH EXISTING (NO CONTROL JOINTS IN THE FREEZER SLAB).
10. GENERAL
    - A. (E) DENOTES 'EXISTING'
    - B. INFORMATION ON THIS PLAN REGARDING EXISTING STRUCTURE WAS TAKEN FROM EXISTING STRUCTURAL DRAWINGS. ACTUAL FIELD CONDITIONS MAY VARY FROM WHAT IS SHOWN. ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS OF EXISTING STRUCTURE TO BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER AND BE RESOLVED PRIOR TO START OF WORK. MODIFICATION OF THE CONSTRUCTION DOCUMENT DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
    - C. ELEVATIONS NOTED THUS '( )' ARE EXISTING JOIST BEARING ELEVATIONS AT GRID INTERSECTIONS, BUILDING CORNERS OR ALONG WALLS. STRUCTURE SLOPES UNIFORMLY BETWEEN VARYING ELEVATIONS.
11. SPECIAL INSPECTION
    - A. SPECIAL INSPECTION TO BE PROVIDED FOR THE FOLLOWING CONSTRUCTION OPERATIONS AS REQ'D BY THE BUILDING CODE:
      1. FIELD WELDING -
         - a) FULL PENETRATION WELDS AS SHOWN ON DRAWINGS-CONTINUOUS INSPECTION
         - b) ALL OTHER WELDING- PERIODIC INSPECTION
      2. HIGH STRENGTH BOLTS
12. SHOP DRAWINGS
    - A. SUBMIT STRUCTURAL STEEL SHOP DRAWINGS.



KEY PLAN

T-0669 SOUTHSIDE, FL

TARGET
1000 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55403

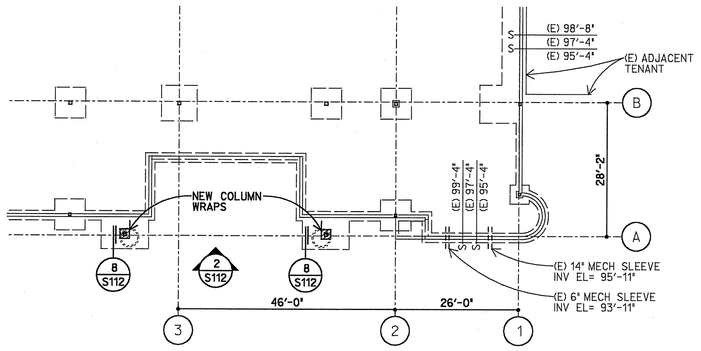
Ericksen Roed & Associates
Structural Engineers
2550 University Avenue West Suite 201-S
St. Paul, MN 55114
Telephone: (651) 251-7570

WILLIAM T. BELL LICENSED No 62274 STATE OF FLORIDA PROFESSIONAL ENGINEER 9.27.11

TARGET

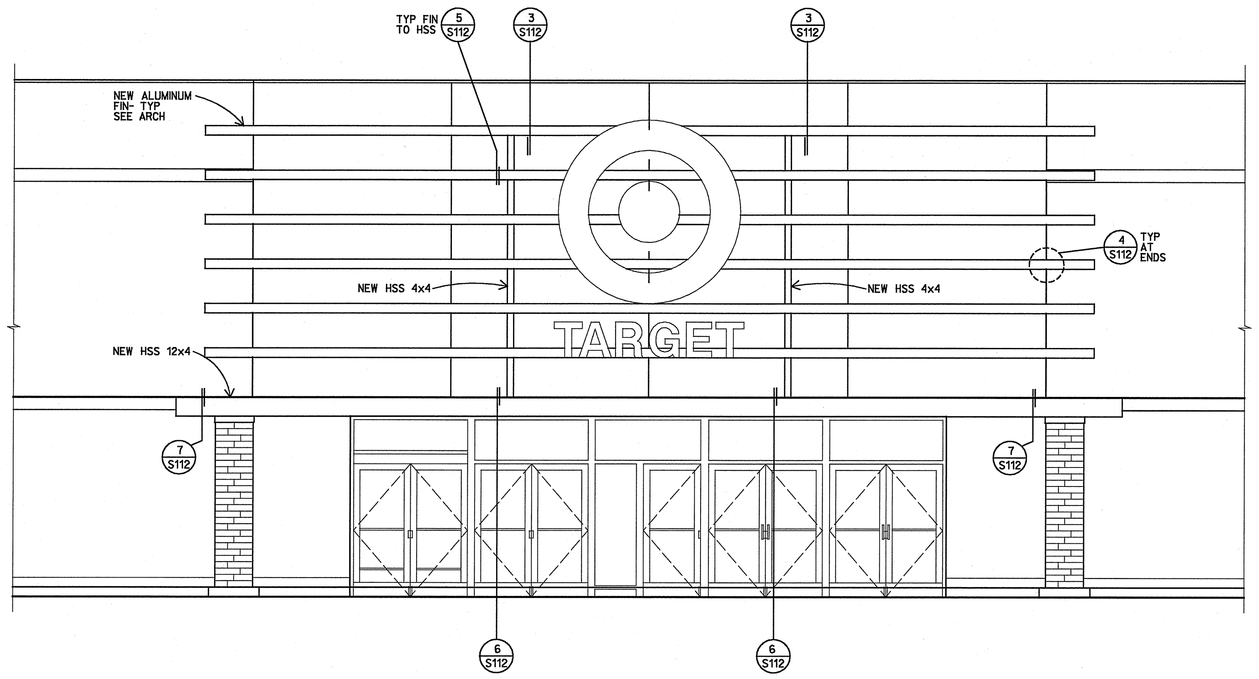
DATE ISSUED	ISSUES AND REVISIONS					
28 SEPTEMBER 2011	09-28-11	BP-3.0	COMPLETE CONSTRUCTION			
DRAWN BY: RTM						
CHECKED BY: JTV						

TARGET STORE	STORE	VERSION	TITLE	SHEET
SOUTHSIDE, FL 9041 SOUTHSIDE BLVD JACKSONVILLE, FL 32256	T-0669	MR2011_08 08-05-11	GENERAL STRUCTURAL NOTES, PARTIAL FOUNDATION PLAN & DETAILS	S111
	PROJECT CODE: 270669	CONFIGURATION: RR		

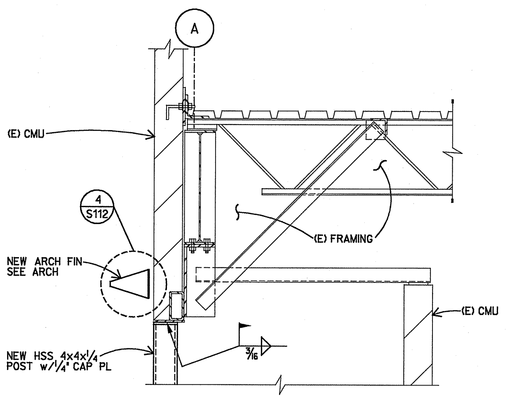


TRUE N NORTH

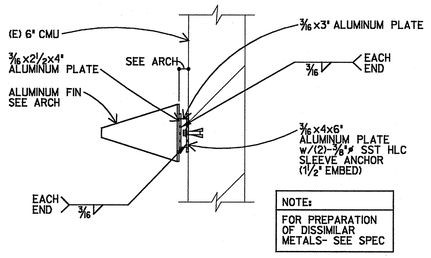
1 S112 PARTIAL FOUNDATION PLAN
1/16" = 1'-0"



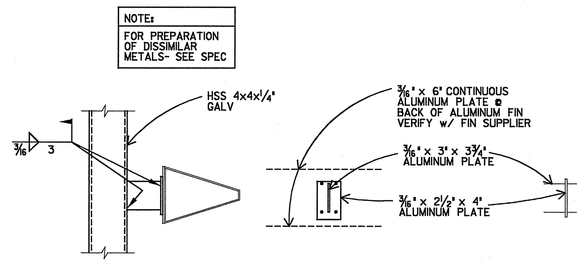
2 S112 ENTRY ELEVATION
1/4" = 1'-0"



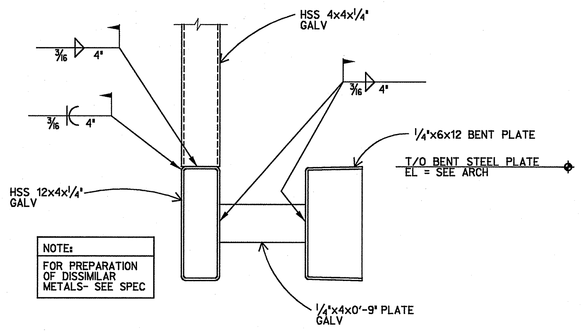
3 S112 ENTRY DETAIL
3/4" = 1'-0"



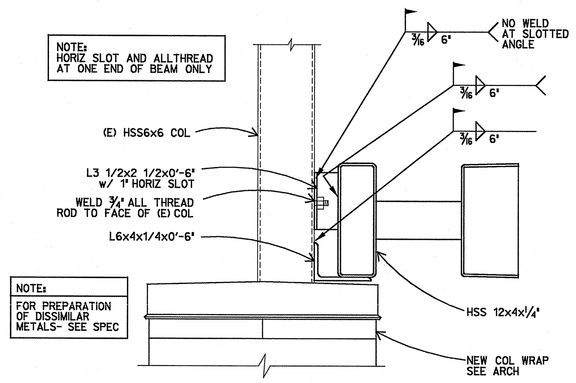
4 S112 ALUMINUM FIN TO CMU DETAIL
1 1/2" = 1'-0"



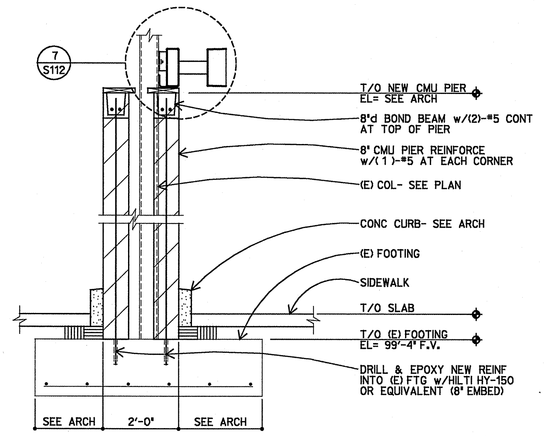
5 S112 ALUMINUM FIN TO HSS DETAIL
1 1/2" = 1'-0"



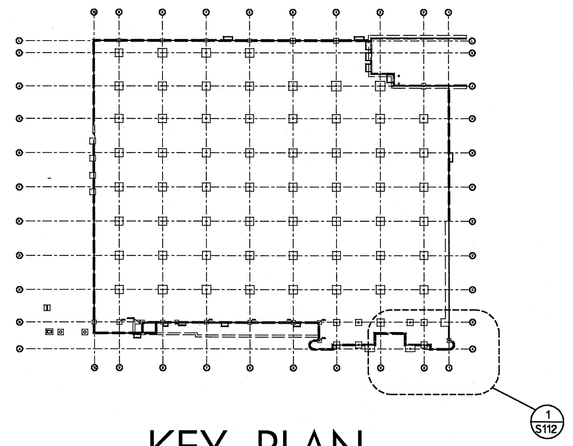
6 S112 DETAIL
1 1/2" = 1'-0"



7 S112 DETAIL
1 1/2" = 1'-0"



8 S112 DETAIL
1/2" = 1'-0"



KEY PLAN

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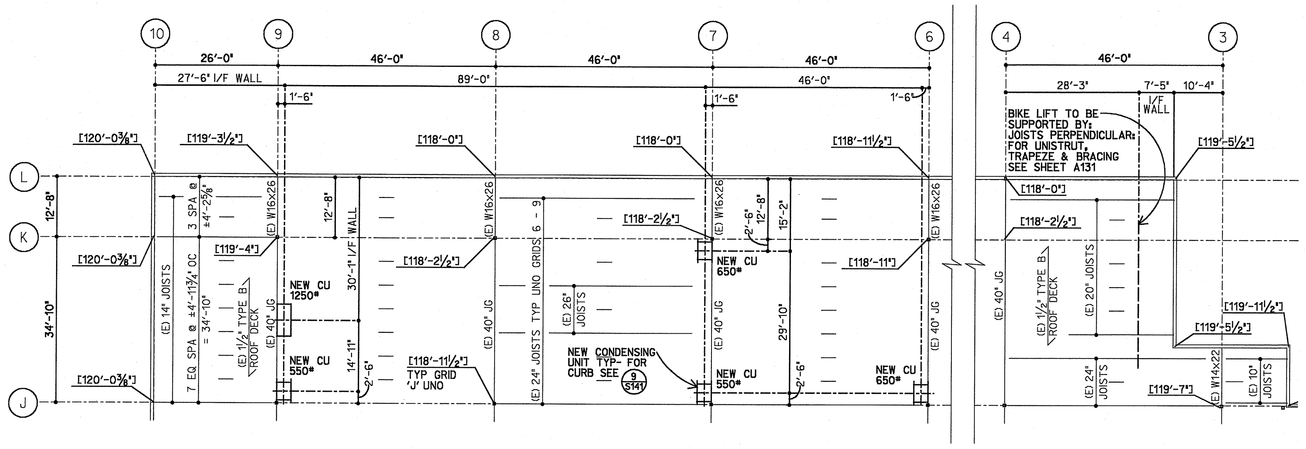
SOUTHSIDE, FL 9041 SOUTHSIDE BLVD JACKSONVILLE, FL 32256	T-0669	MR2011_08 08-05-11	PARTIAL FOUNDATION PLAN, ELEVATION & DETAILS	S112
	PROJECT CODE: 270669	CONFIGURATION: RR		



TRUE N NORTH

1 S141 PARTIAL ROOF FRAMING PLAN
1/16" = 1'-0"

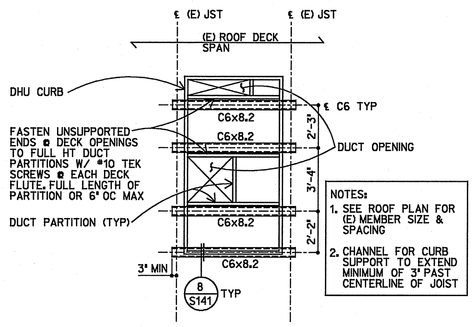
GENERAL ROOF FRAMING NOTES	
A. SEE SHEET S111 FOR GENERAL STRUCTURAL NOTES.	D. FOR CU CURBS- SEE 9 S141 TYP.
B. COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH OTHER TRADES.	E. ALL ELEVATIONS SHOWN ARE EXISTING.
C. PROVIDE 'X' BRIDGING AT ADJACENT JOIST SPACES WHERE TYP JOIST HORIZONTAL BRIDGING IS REMOVED FOR DUCT WORK PENETRATION.	F. SEE KEY PLAN THIS SHEET.
	G. CONTACT STRUCTURAL ENGINEER IF MECHANICAL EQUIPMENT IS HEAVIER THAN SHOWN ON PLAN.

3 S141 NOT USED

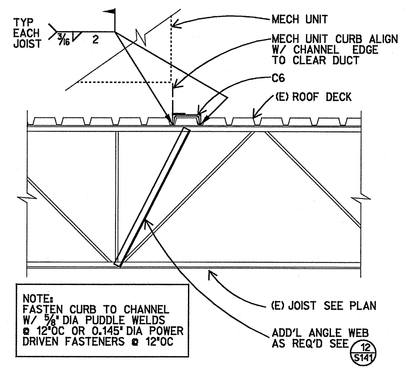
4 S141 NOT USED

5 S141 NOT USED

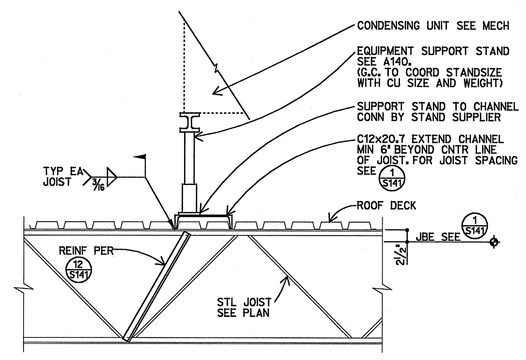
6 S141 NOT USED



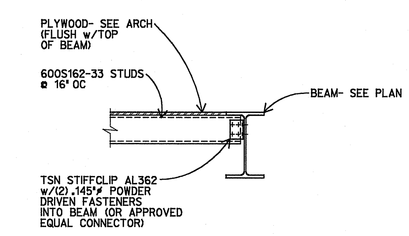
7 S141 DEHUMIDIFICATION UNIT SUPPORT DETAIL
1/4" = 1'-0"



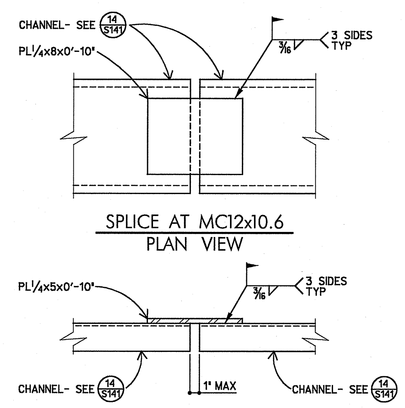
8 S141 DEHUMIDIFICATION UNIT SUPPORT DETAIL
3/4" = 1'-0"

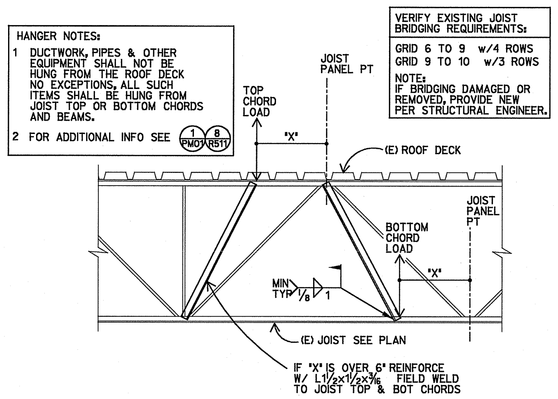


9 S141 CURB FOR CONDENSING UNIT
1/2" = 1'-0"

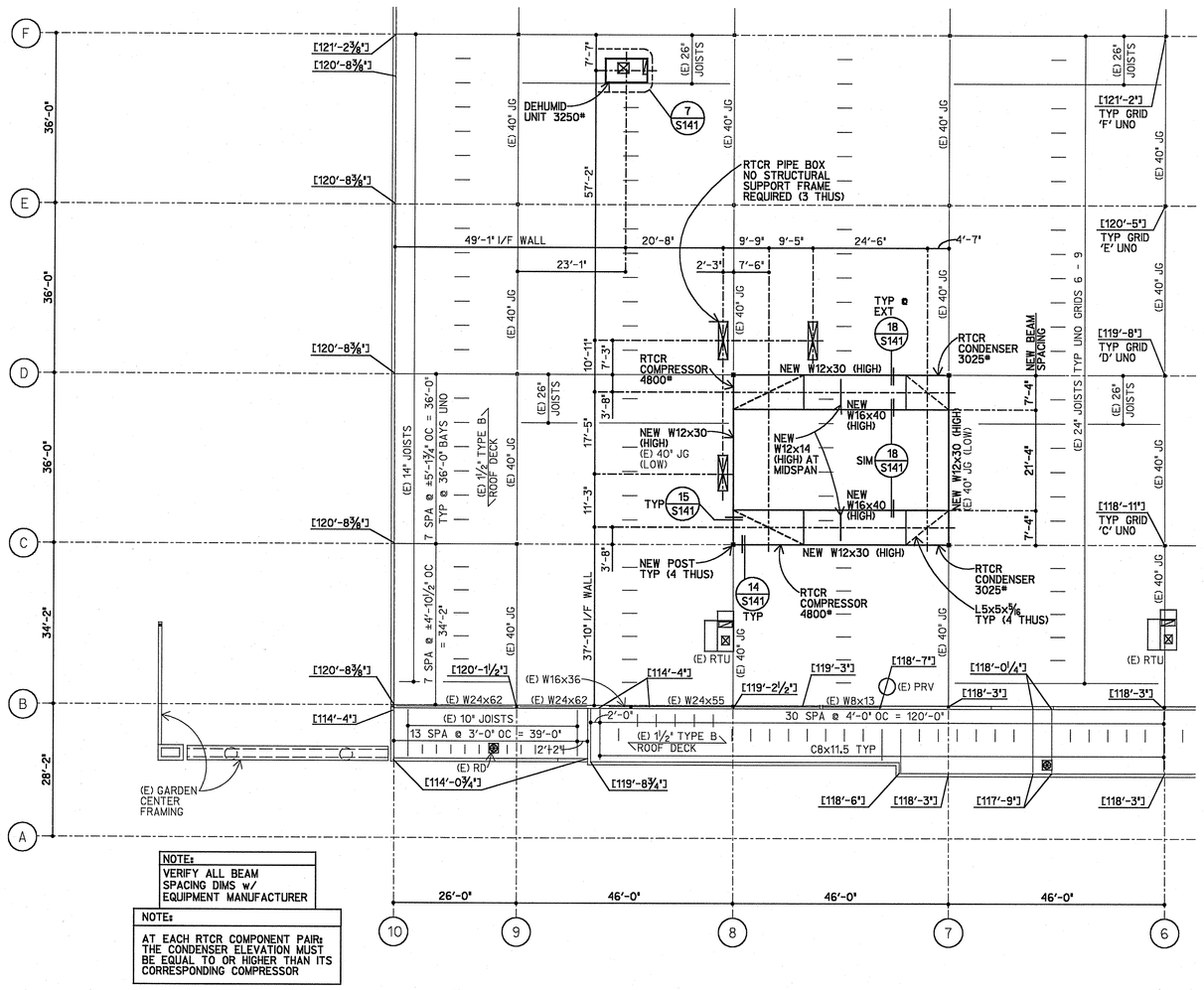


10 S141 DETAIL
3/4" = 1'-0"





12 S141 JOIST REINFORCING DETAIL
3/4" = 1'-0"



NOTE:
VERIFY ALL BEAM SPACING DIMS w/ EQUIPMENT MANUFACTURER

NOTE:
AT EACH RTCR COMPONENT PAIR: THE CONDENSER ELEVATION MUST BE EQUAL TO OR HIGHER THAN ITS CORRESPONDING COMPRESSOR

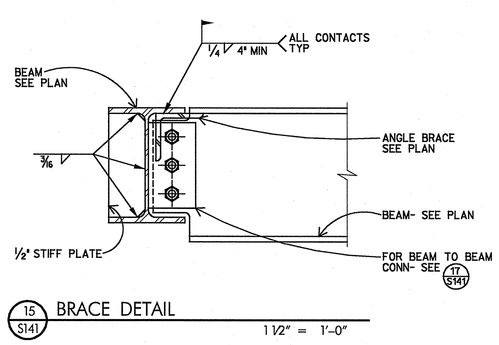
TRUE N NORTH

2 S141 PARTIAL ROOF FRAMING PLAN
1/16" = 1'-0"

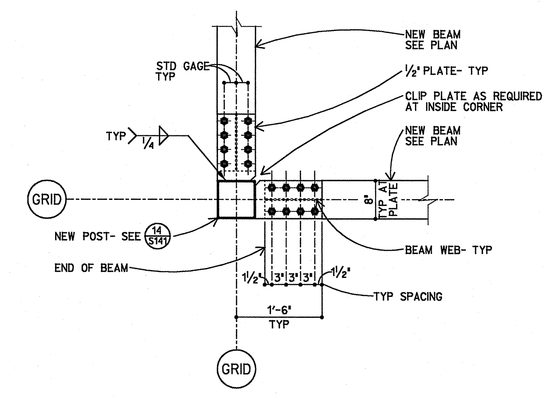
GENERAL ROOF FRAMING NOTES	
A. SEE SHEET S111 FOR GENERAL STRUCTURAL NOTES.	E. NOT USED.
B. COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH OTHER TRADES.	F. ALL ELEVATIONS SHOWN ARE EXISTING.
C. PROVIDE 'X' BRIDGING AT ADJACENT JOIST SPACES WHERE TYP JOIST HORIZONTAL BRIDGING IS REMOVED FOR DUCT WORK PENETRATION.	G. SEE KEY PLAN THIS SHEET.
D. FOR TYP BEAM TO BEAM CONN SEE 17 S141 UNO.	H. CONTACT STRUCTURAL ENGINEER IF MECHANICAL EQUIPMENT IS HEAVIER THAN SHOWN ON PLAN.

11 S141 NOT USED

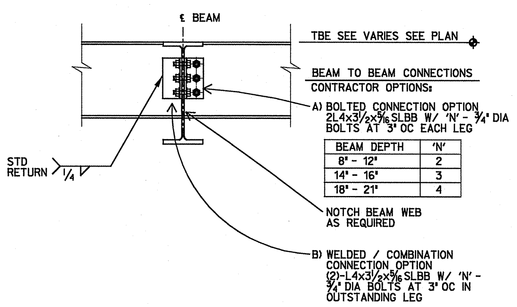
14 S141 RTCR SUPPORT FRAME DETAIL
3/4" = 1'-0"



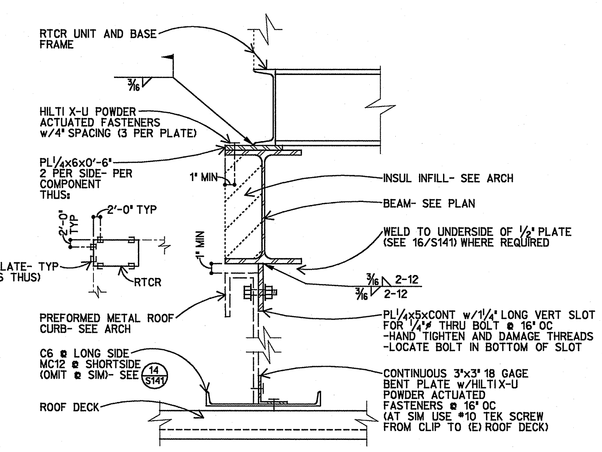
15 S141 BRACE DETAIL
1 1/2" = 1'-0"



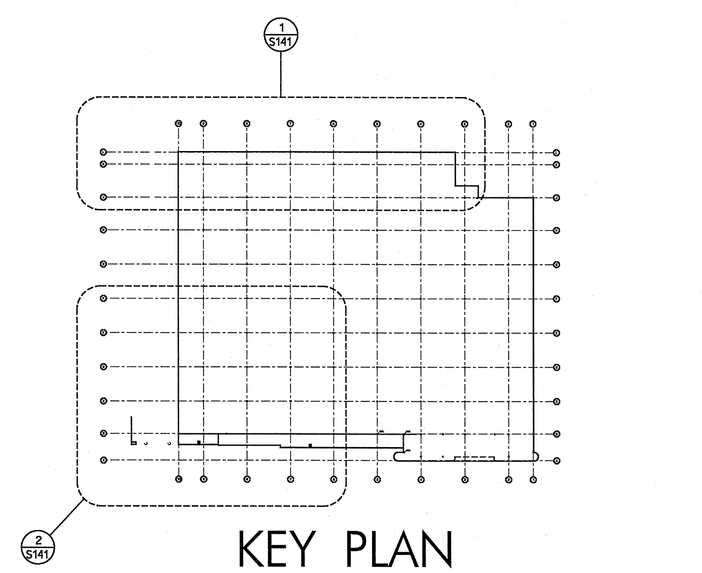
16 S141 DETAIL
3/4" = 1'-0"



17 S141 TYP BEAM TO BEAM CONNECTION
3/4" = 1'-0"



18 S141 DETAIL
1 1/2" = 1'-0"



KEY PLAN

T-0669 SOUTHSIDE, FL

TARGET
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TARGET

DATE ISSUED	ISSUES AND REVISIONS		
28 SEPTEMBER 2011	09-28-11	BP-3.0	COMPLETE CONSTRUCTION
DRAWN BY RTM			
CHECKED BY JTV			

TARGET STORE	STORE	VERSION
SOUTHSIDE, FL	T-0669	MR2011_08
9041 SOUTHSIDE BLVD JACKSONVILLE, FL 32256		08-05-11
	PROJECT CODE	CONFIGURATION
	270669	RR

TITLE: PARTIAL ROOF FRAMING PLANS & DETAILS

SHEET: S141