

DESIGN CRITERIA				
BUILDING CODE	2012 INTERNATIONAL BUILDING CODE			
DESIGN LOADS	OCCUPANCY CATEGORY		II	TABLE 1604.5
	ROOF	DEAD	SLOPED	15 PSF
		SNOW	GROUND SNOW (Pg)	30 PSF
		SNOW	FLAT ROOF SNOW (Pf)	30 PSF
	OCCUPANCY OR USE			RE: PLAN
FLOORS	DEAD	CLASSROOM		15 PSF
	LIVE	CLASSROOM		40 PSF
	LIVE	STAIRS		100 PSF
				RE: PLAN
WIND ACCORDANCE WITH ASCE 7 CHAPTER 6	BASIC WIND SPEED (3 SECOND GUST)			105 MPH
	EXPOSURE CATEGORY			C
	IMPORTANCE FACTOR (I)			1.0

GENERAL NOTES	
FIELD OBSERVATIONS	1. CONTRACTOR SHALL INFORM THE STRUCTURAL ENGINEER AT LEAST 48 HOURS PRIOR TO CASTING ANY CONCRETE SO AS TO ALLOW THE STRUCTURAL ENGINEER THE OPPORTUNITY TO REVIEW THE PLACEMENT OF REINFORCING AND EMBEDDED ITEMS. 2. CONTACT NEUJAHR AND GORMAN, INC. AT 303-377-2732.
MEANS AND METHODS	1. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. 2. ALL TEMPORARY BRACING AND SHORING SHALL BE DESIGNED AND PROVIDED BY OTHERS.
COORDINATION AND PROCESS	1. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DRAWINGS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY. 2. REFER TO MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. 3. THESE CONSTRUCTION DOCUMENTS WERE PREPARED WITH INFORMATION ABOUT EXISTING CONDITIONS PROVIDED BY OTHERS. NO INVESTIGATION OF EXISTING CONDITIONS WAS UNDERTAKEN. IF CONTRACTOR DISCOVERS EXISTING CONDITIONS WHICH VARY FROM THOSE SHOWN ON THESE DOCUMENTS, HE SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY FOR GUIDANCE ON NECESSARY CHANGES TO BE MADE.

ABBREVIATIONS			
(TYP.)	TYPICAL CONDITION	CMU	CONCRETE MASONRY UNIT
(U.N.O.)	UNLESS NOTED OTHERWISE	CL	CENTERLINE
O.C.	ON CENTER	APA	AMERICAN PLYWOOD ASSOCIATION

STEEL			
CODES	AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE MANUAL LATEST EDITION		
STEEL SECTIONS	SECTION TYPE	MIN. YIELD STRENGTH	ASTM DESIGNATION
	WIDE FLANGE / TEE	50 KSI	A992
	ANGLES & PLATES	36 KSI	A36

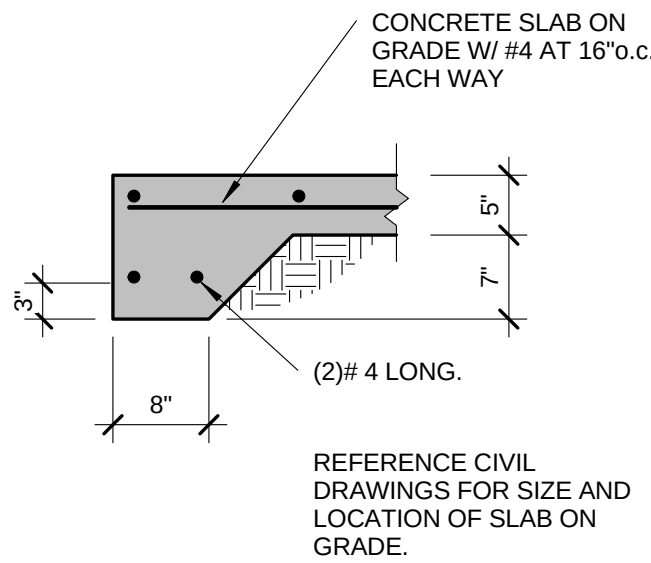
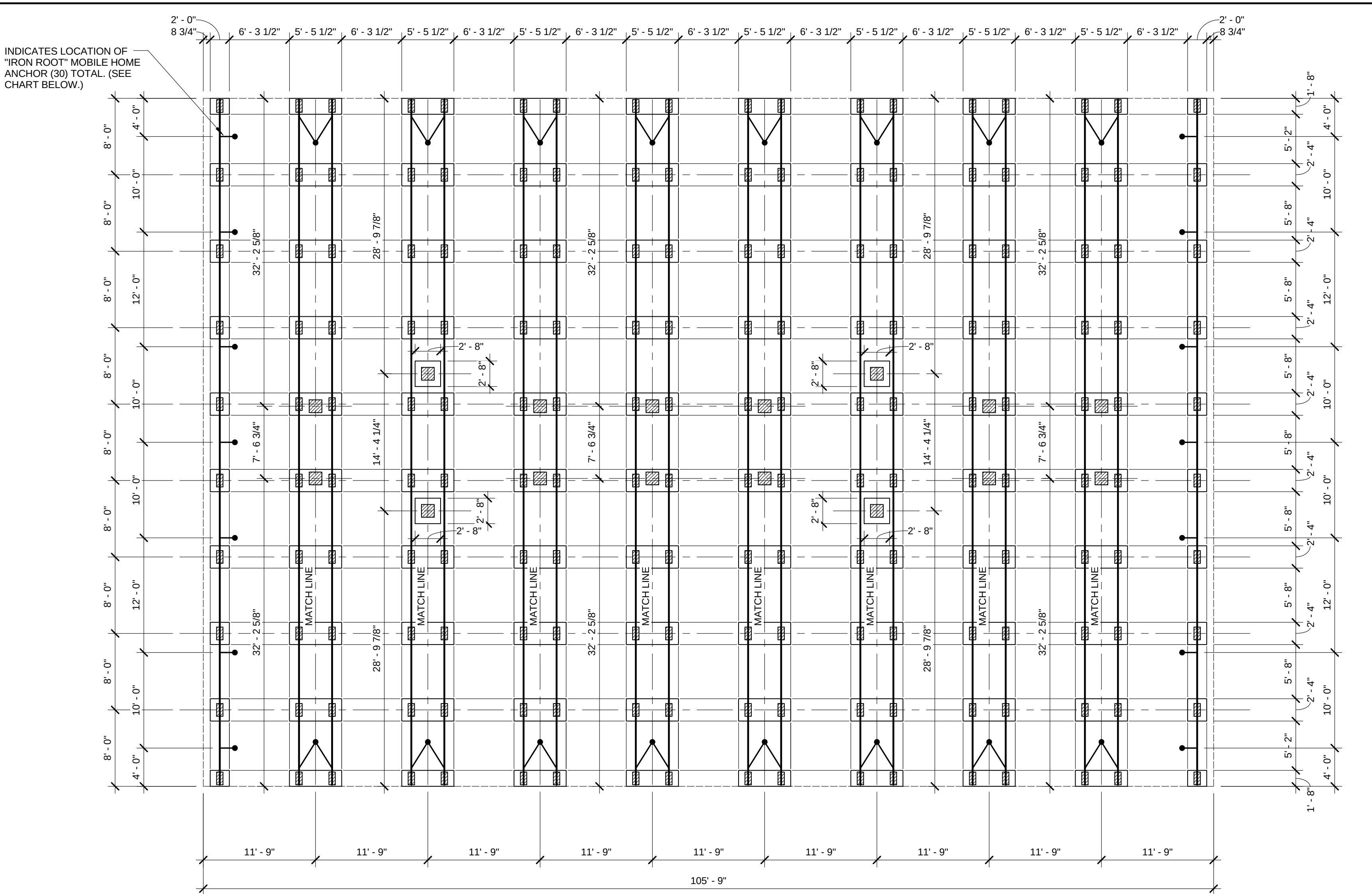
MASONRY			
CODES	ACI 530, ASCE 5 & TMS 402 BUILDING CODE REQUIREMENTS ACI 530, ASCE 6 & TMS 602 SPECS. FOR MASONRY STRUCTURES		
CONCRETE BLOCK (CMU)	ASTM	(f'm)	MORTAR
	C90, GRADE N, LTTW	1500 PSI	ASTM C270, TYPE S
			ASTM C476, 2000 PSI

WOOD			
CODES	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION		
FRAMING LUMBER	MEMBER TYPE	SPECIES	GRADE
	STUDS	HEM-FIR	CONSTRUCTION
	JOISTS	DOUG-FIR LARCH	No. 2 OR BETTER
	BEAMS	DOUG-FIR LARCH	No. 1 BEAM&STRINGER
	POSTS	DOUG-FIR LARCH	No. 1 POST&TIMBER
	DECKING	DOUG-FIR LARCH	COMMERCIAL GRADE

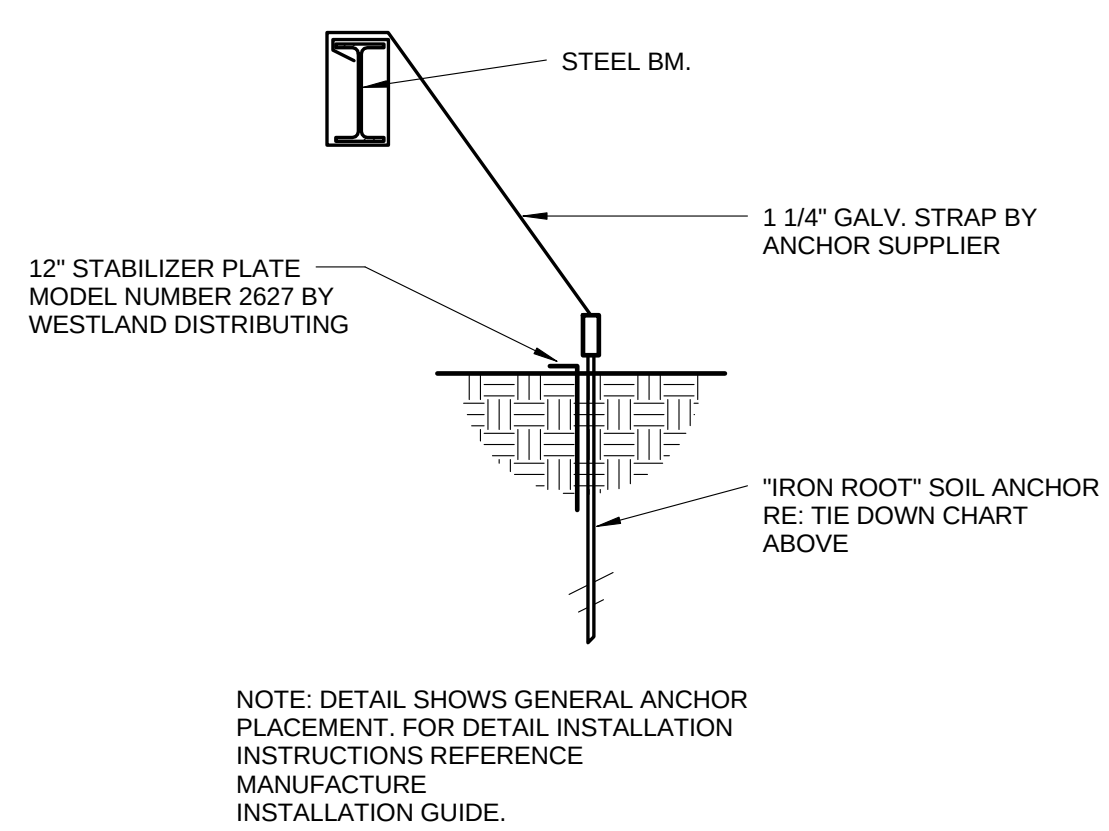
FOUNDATIONS			
SOIL REPORT	PREPARED BY:	REPORT NO.	REPORT DATE
	TERRADYNE ENGINEERS, AURORA, CO	C121005	03-05-2012
	1. CONTRACTOR SHALL BE FULLY FAMILIAR WITH ALL ASPECTS OF THE SOIL REPORT BEFORE BEGINNING CONSTRUCTION. 2. CONTRACTOR SHALL USE THE SOILS REPORT FOR SPECIFICATIONS AND DETAILS FOR PLACEMENT OF PERIMETER DRAINS, UNDER-SLAB DRAINS, AND ANY OTHER SOILS RELATED ITEMS.		
SPREAD FOOTINGS	MAX. BEARING	MIN. DEAD LOAD	
	1500 PSF	NA	
	1. SPREAD FOOTINGS TO BE PLACED ON UNDISTURBED NATURAL SOILS OR SELECTED AND COMPACTED FILL.		

TIE DOWN SELECTION CHART				
TEST VALUE	SOIL TYPE	SOIL CLASS	ANCHOR SIZE	MODEL #
550-600 in-lb	VERY DENSE AND/CEMENTED SANDS, COARSE GRAVEL, COBBLES, PRELOADED SILTS, AND CLAYS.	2	30" DOUBLE HEAD EARTH ANCHORS WITH TWIN 4" HELIX	2650
350-550 in-lb	MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS AND CLAYS.	3	36" DOUBLE HEAD EARTH ANCHORS WITH WITH 4" & 6" HELIX	2629
275-350 in-lb	LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, ALLUVIAL FILL.	4a	50" DOUBLE HEAD EARTH ANCHORS WITH WITH 6" HELIX	2651
175-275 in-lb	LOOSE SANDS, FIRM CLAYS AND SILTS, ALLUVIAL FILL.	4b	CONSULT ENGINEER AND MANUFACTURER	N/A
NOTES: 1. SOIL TYPE TO BE VERIFIED PRIOR TO COMMENCEMENT TO ASSURE PROPER ANCHOR SELECTION. 2. USE SOIL TEST PROBE KIT MODEL NUMBER 2668 FROM WESTLAND DISTRIBUTING TO DETERMINE SOIL CLASSIFICATION. OR HAVE SOIL TESTED BY QUALIFIED SOILS ENGINEER. 3. ANCHOR ASSEMBLY, STRAP AND ASSOCIATED HARDWARE TO BE CORROSION RESISTANT 4. ALL MODEL NUMBERS ARE THROUGH WESTLAND DISTRIBUTING 5. PROVIDE 12" STABILIZER PLATE MODEL NUMBER 2627 WITH ALL ANCHORS 6. BUILDING ANCHORS ARE TO BE PLACED AT LOCATIONS SPECIFIED ON FOUNDATION PLAN.				

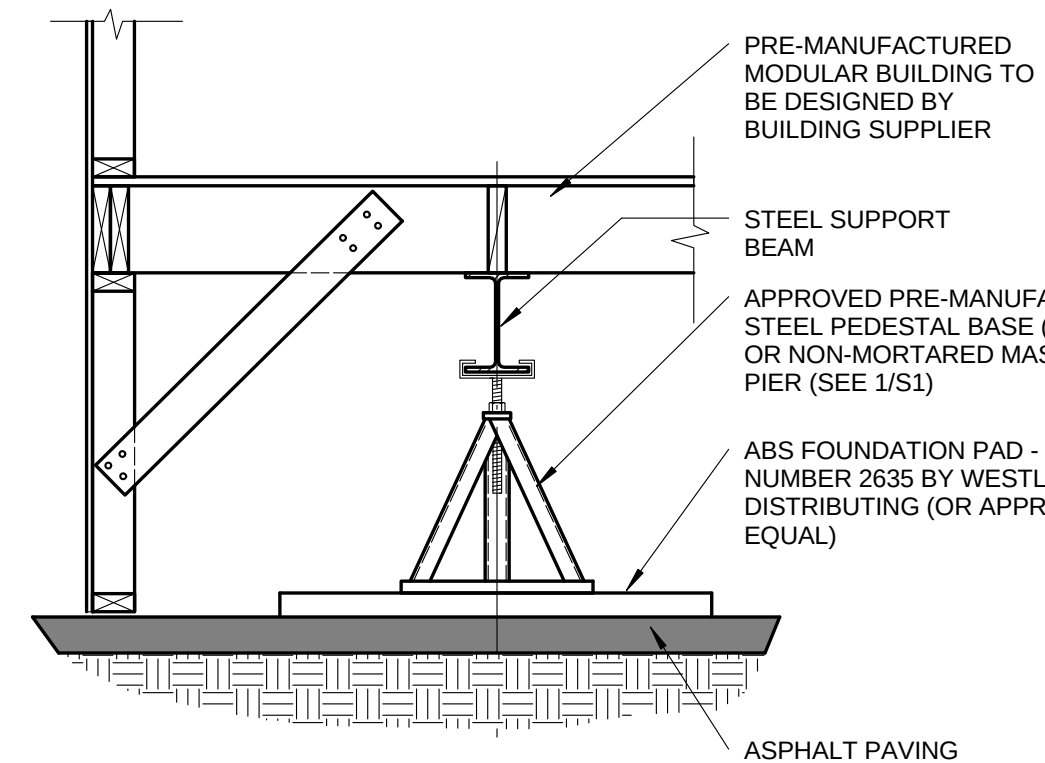
CONCRETE			
CODES	ACI 318-08 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 301-8 - SPECIFICATIONS FOR STRUCTURAL CONCRETE STONE (UNLESS NOTED OTHERWISE)		
AGGREGATE			
MIN. 28 DAY COMPRESSIVE STRENGTHS	FOOTINGS 3000 PSI		
REINFORCING	STEEL TYPE	NEW BILLET - ASTM A615	
	GRADE 60	ALL BARS (EXCEPT AS NOTED OTHERWISE)	
	BAR PLACING SUPPORTS	1. PROVIDE CHAIRS, BOLSTERS, ADDITIONAL REINFORCING BARS, AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON DRAWINGS. 2. FORM TIES SHALL ONLY BE USED AS BAR SUPPORTS WHEN THEY LOCATE THE BARS AS SHOWN IN THE DETAILS. 3. SUPPORTS NOT ALLOWED: WOOD, BRICK, BLOCK, STONE, ETC.	
	MIN. CONCRETE COVER OVER REINFORCING	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3 in.
		CONCRETE EXPOSED TO EARTH OR WEATHER	
		# 6 BARS AND LARGER	2 in.
		# 5 BARS AND SMALLER	1-1/2 in.



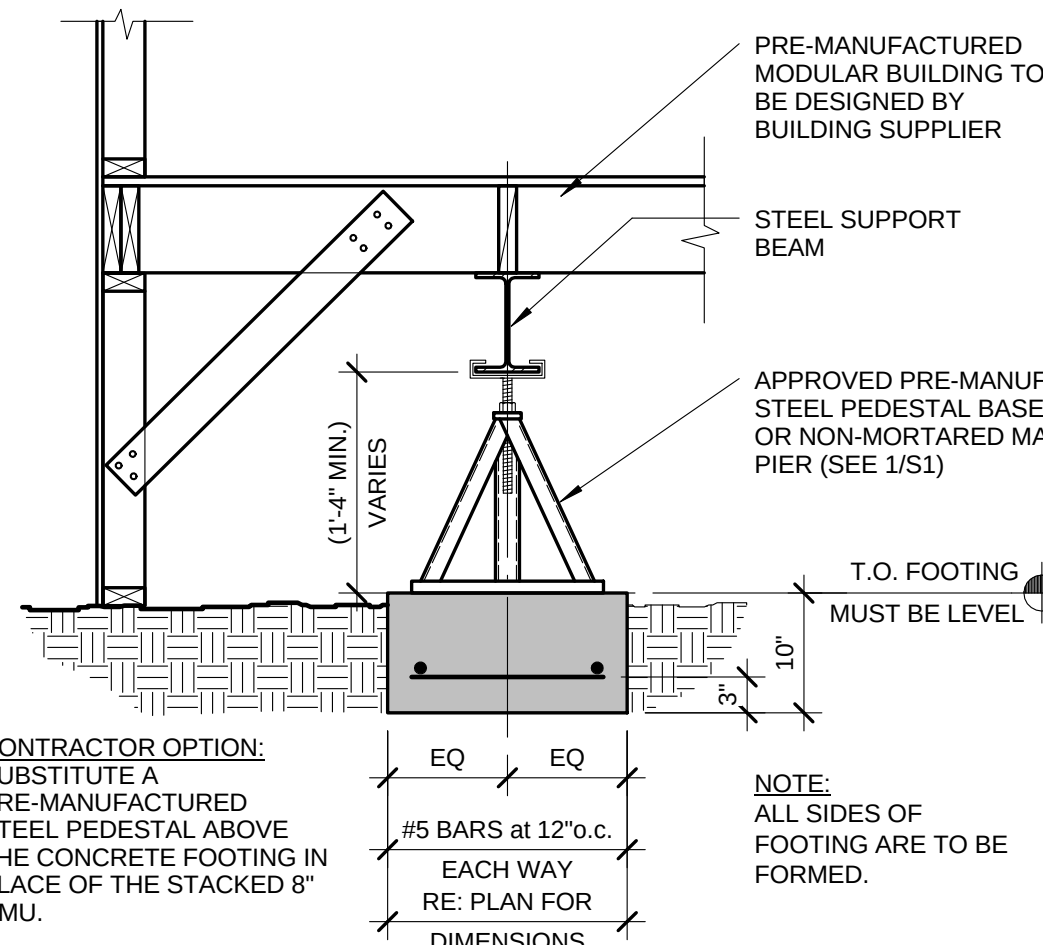
5 TUNDOWN SLAB DETAIL
3/4"=1'-0"



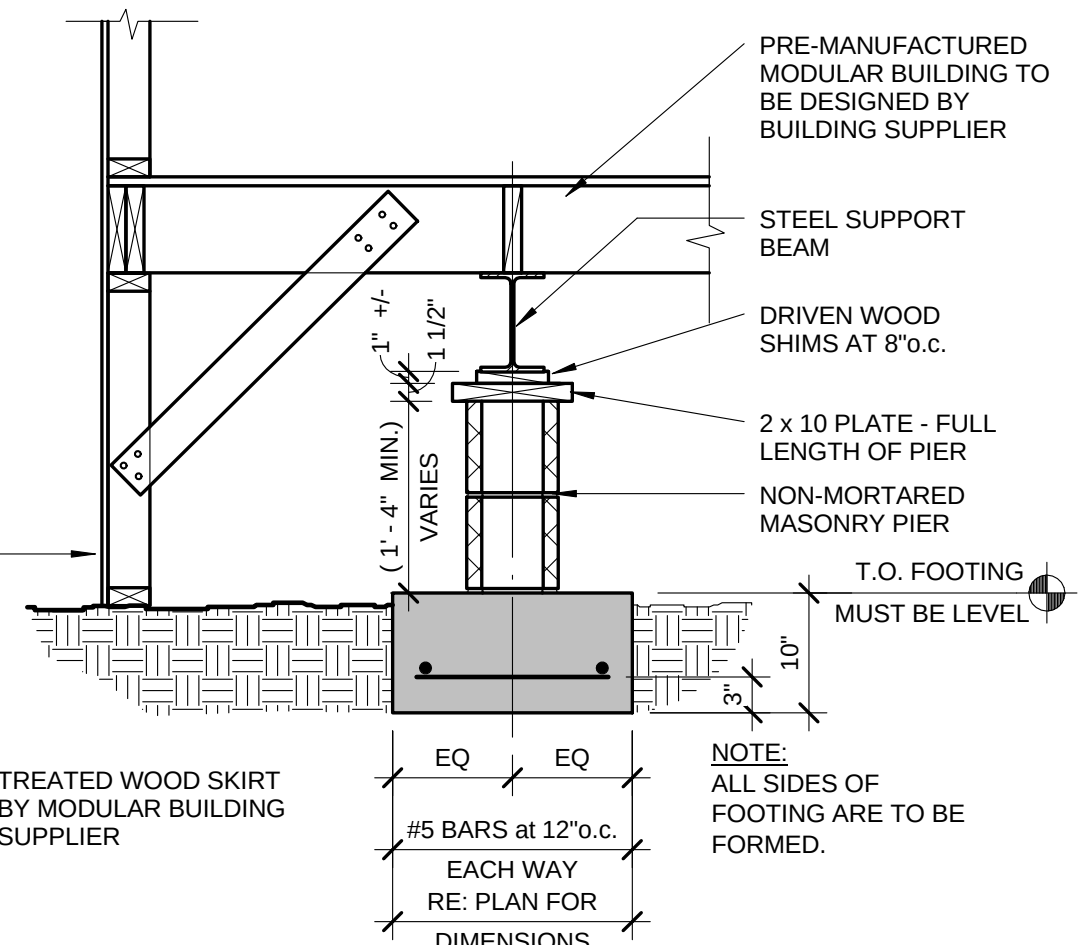
4 ANCHOR DETAILS
3/4"=1'-0"



3 ALTERNATE FOOTING DETAIL
3/4"=1'-0"



2 ALTERNATE FOOTING DETAIL
3/4"=1'-0"



1 FOOTING DETAIL
3/4"=1'-0"

ISSUE RECORD	
ISSUE	DATE



VISTA PEAK 8 - CLASSROOM MOBILE

AURORA PUBLIC SCHOOLS
1085 Peoria St.
Aurora, Colorado 80011

SCALE:	As indicated
DRAWN BY:	MLU
CHECKED BY:	SGN
SITE:	VISTA PEAK
DATE:	Spring 2013
FILE NAME:	

AURORA
PUBLIC
SCHOOL
Construction Mgmt

SHEET TITLE
STRUCTURAL
SHEET

SHEET NUMBER
S1