		G	ENERAL STRUCTURAL	L NOTES			
GENERAL (CONCRETE	E STRUCTURAL STEEL AND	STEEL DECK (CONT'D.)	K ADHESIVES ANCHORING OF REBAR AND BOLTS (REFERRED TO BELOW AS BAR(S))	DRAWING LI		
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. DO NOT SCALE THE DRAWINGS	ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318, AND THE 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS', ACI 301, LATEST EDITIONS, WITH MODIFICATIONS AS NOTED		THE PREQUALIFIED JOINT DETAILS AS ING CODE (AWS D1.1) BY THE AMERICAN MADE USING E70xx LOW HYDROGEN	1. BARS MUST BE DEFORMED OR THREADED FOR THE FULL EMBEDMENT IN ADHESIVE.		SETS REVISIONS A A A A A A A A A A A A A A A A A A A	
NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.	ON THE DESIGN DRAWINGS OR SPECIFICATIONS. REINFORCED CONCRETE DESIGN IS BY THE ULTIMATE STRENGTH DESIGN METHOD.	8. WELD LENGTHS CALLED FOR ON PLA REQUIRED. WELD SIZE SHALL BE AISO NOTED.	NS ARE THE NET EFFECTIVE LENGTH C MINIMUM UNLESS A LARGER SIZE IS	 LOCATE THE POSITION OF ALL MISSING BARS AND REINSTALL NEW BATHESE LOCATIONS. DRILLED HOLE DIAMETER SHALL BE PER MANUFACTURERS RECOMMEN 	DATIONS		
ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODES AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY OTHER PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND IN THE PROJECT SPECIFICATIONS. THE CONTRACT STRUCTURAL DRAWING AND SPECIFICATIONS REPRESENT THE	CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BEAR THE WET SEAL OF A CIVIL ENGINEER LICENSED IN THE STATE OF NEVADA FOR REVIEW BY THE STRUCTURAL ENGINEER. THE MIX DESIGNS SHALL STATE THE PROJECT NAME AND THE INTENDED USAGE OF THE CONCRETE. SCHEDULE OF STRUCTURAL CONCRETE 28—DAY STRENGTHS, WATER/CEMENT	DRAWINGS. DECK AND ALL ACCESSOR SHEETS CONFORMING TO ASTM STANI DECK SHALL BE ZINC COATED PER ABE GALVANIZED. STEEL DECK UNITS CONTINUOUS OVER 3 OR MORE SPAN CONCRETE FILL SPAN LESS THAN 3	DARDS AS SHOWN BELOW. GALVANIZED ASTM A525, C60. ALL ROOF DECK SHALL WITH CONCRETE FILL SHALL BE NS. IF STEEL DECK UNITS WITH SPANS, THE DECK UNITS SHALL BE	AS SET FORTH IN THE ICC ES REPORT. DRILL TO DEPTH RECOMMEN THE MANUFACTURERS AS SET FORTH IN THE ICC ES REPORT UNLESS OTHERWISE INDICATED ON THE DRAWINGS. 4. REMOVE ALL DIRT, DUST, WATER, ICE, AND ANY OTHER DEBRIS BY VERY FROM THE HOLES UNLESS OTHERWISE RECOMMENDED BY THE MANUF. 5. CLEAN DIRT, RUST, AND OIL FROM THE BARS.	ACUUM	KAGE - 03-30-11 KAGE - 04-08-11 AIT - 04-22-11 S - 06-06-11 IEW - 06-27-11 IEW - 07-08-11	
THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT BE LIMITED TO BRACING AND SHORING FOR LOADS DUE TO HYDROSTATIC, EARTH, WIND OR SEISMIC FORCES, ETC. OBSERVATION VISITS TO THE SITE BY	RATIO, SLUMP & TYPES: LOCATIONS IN STRUCTURE STRENGTH, PSI TYPE SLAB ON GRADE 4500 PSI HARD ROCK.	OR MORE SPANS. GALVANIZED DECK GALVANIZED CORRUGATED DECK PAINTED DECK	ASTM A446 GRADE A ASTM A446 GRADE E ASTM A611 GRADE C	 DURING THE EPOXY MIXING AND APPLICATION PROCESS, FOLLOW THE EPOXY MANUFACTURER'S SPECIFICATIONS EXACTLY. INSPECTOR TO VERIFY EXPIRATION DATE OF EPOXY. THE FOLLOWING EPOXIES ARE ACCEPTABLE: 		SD PAC DD PAC PERN REVISION PERMIT REV PERMIT REV	
THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.	PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE V IN CONTACT WITH SOIL AND TYPE II ELSEWHERE. CONCRETE EXPOSED TO SOILS CONTAINING SULFATES SHALL COMPLY WITH IBC 1904.3 AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS.		MINIMUM BEARING OF 3 INCHES. SUPPORTING STEEL MEMBERS BY AND IN ACCORDANCE WITH UPON COMPLETION OF ERECTION, ALL	A. HILTI H.I.T. RE 500-SD ADHESIVE ANCHORS (ESR-2322) 8. SPECIAL INSPECTION DURING INSTALLATION IS REQUIRED. L COLD FORMED STEEL STRUCTURAL MEMBERS			
ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.	EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER. CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO ASTM C94. CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS	WELDS ON STEEL DECK AREAS EXPOSED TO WEATHER SHALL BE DE-SLAGED, CLEANED AND TOUCHED UP WITH ZINC RICH PRIMER. 11. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC., FOR SIZES AND LOCATION OF DECK OPENINGS AND FOR DECK OPENINGS SMALLER THAN 12" NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE TYPICAL DETAILS FOR		1. STEEL STRUCTURAL MEMBERS SHALL BE OF THE SIZE AND GAUGE SHOWN ON THE DRAWINGS. ALL STUDS, JOISTS AND TRACKS SHALL CONFORM TO METAL STUD MANUFACTURERS ASSOCIATION SPECIFICATIONS, ICBO ER NO. 4643. MEMBERS 25 (18 MILS) THROUGH 18 (43 MILS) GAUGES SHALL FORMED	METAL S2.10 STRUCTURAL COVER SHEET S43. S2.10 FOUNDATION PLAN		
CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEANING AND EARTH WORK EXCAVATIONS OR BURIED STRUCTURES AS CESS POOLS, CISTERNS, FOUNDATIONS, UTILITIES, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.	FOLLOWS: A) SLAB ON GRADE, 2 INCHES CLEAR FROM TOP. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL	FRAMING REQUIREMENTS AT DECK OF SHALL NOT BE PLACED IN DECK UNI STRUCTURAL DRAWINGS, NOTIFY THE	PENINGS. OPENINGS LARGER THAN 12" LESS SPECIFICALLY SHOWN ON THE	FROM STEEL HAVING A MINIMUM 33,000 PSI YIELD POINT PER ASTM GRADE 33. MEMBERS 16 (54 MILS) GAUGE THROUGH 12 (97 MILS) SHALL BE FORMED FROM STEEL HAVING A MINIMUM 50,000 PSI YIEL PER ASTM A446 GRADE 50.	A653 GAUGE S2.21 CEILING SOFFIT FRAMING		
DESIGN LOADS LIVE LOADS: ROOF = 20 PSF SEISMIC DESIGN CRITERIA	BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. REINFORCING STEEL (FOR CONCRETE) ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE	TIGHTENED BEYOND THE SNUG—TIGHT (C) OF THE SPECIFICATIONS FOR STEA490 BOLTS'. FOR CONNECTIONS SU	CONDITION, AS DEFINED IN SECTIONS. RUCTURAL JOINTS USING ASTM A325 OR BJECT TO DIRECT TENSION, CONNECTIONS ONNECTIONS SHOWN OR NOTED ON THE	5'-0" O.C. VERTICALLY MAX., UNLESS SHEATHING MATERIAL AND OCCURS BOTH SIDES AS SPECIFIED ON PLANS, SECTIONS OR DE TYPICAL DETAILS FOR ALLOWABLE BRIDGING METHODS.	S. SEE STUD DETAILS		
SITE CLASS: "D" OCCUPANCY CATEGORY: "III" DESIGN CATEGORY: "D" SPECTRAL ACCELERATION PARAMETERS: SDS = 0.51 G	WITH THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY CRSI AND WCRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.	THE MINIMUM TENSION SPECIFIED IN 13. THE APPLICATION OF THE FIRE PROC STEEL DECK IS THE RESPONSIBILITY	OF THE CONTRACTOR. THE CONTRACTOR	 WELDED OR SCREWED SPLICES SHALL BE USED FOR ALL CONTINUOL TRACKS. WIRE TYING OF STUD FRAMING COMPONENTS SHALL NOT BE PERMITTED. WEB PUNCH—PUTS SHOULD BE COORDINATED WITH BRACING AND UT REQUIREMENTS. WEB PUNCH—OUTS OR WEB OPENINGS SHALL BE LO 	LITY PATED A	5 5 0 0 7	
SD1 = 0.244 G BASIC SEISMIC FORCE RESISTING SYSTEM OF EXISTING BUILDING: MASONRY SHEAR WALLS (PER UBC88) WIND DESIGN CRITERIA:	DEFORMED REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60, EXCEPT TIES, STIRRUPS AND REINFORCING BARS IN NON-STRUCTURAL CONCRETE SUCH AS SLABS ON GRADE, WHICH MAY BE GRADE 40, UNLESS NOTED OTHERWISE. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.	MUST ENFORCE THE REQUIREMENTS IMPOSE ANY ADDITIONAL LOADS, INCL DURING THE APPLICATION AND CURIN J SPECIAL INSPECTION AND	LUDING CONSTRUCTION LIVE LOADS, IG OF THE FIRE PROOFING.	MINIMUM OF 6" OR MEMBER DEPTH (THE GREATER) FROM A STUD OR JOIST BEARING. 5. STEEL STRUCTURAL STUD TRACK OF THE SAME GAUGE AS THE STUDS SHALL BE USED AT THE TOP AND BOTTOM OF ALL STUD WALLS. STUDS SHALL SIT FLAT AGAINST THE WEB OF THE STUD TRACK AND BE ATTACHED WITH 1-#8x5/8" SCREW EACH SIDE OF EACH STUD. 6. SCREWS SHALL BE SELF-DRILLING AND OF TYPE 2-12, ASTM C-954, EXCEPT THAT TYPE S, ASTM C-1022, MAY BE USED FOR20 GAUGE OR 22 GAUGE MATERIAL ONLY. SCREWS SHALL BE 3/8" TO 1/2" LONGER THAN TOTAL MATERIAL THICKNESS.	STRUCTURAL ABBI	IN. GENERAL (NOTES)	
BASIC WIND SPEED: 90MPH IMPORTANCE FACTOR: III EXPOSURE: "B" FOUNDATION EVALUATION OF EXISTING FOUNDATIONS IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY: CONVERSE CONSULTANTS SOUTHWEST INC., PROJECT NUMBER: 89–33353–01 DATED JULY 24, 1989 COPIES ARE AVAILABLE FOR REVIEW AT THE ARCHITECTS OFFICE. CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC. CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS AND ANY EXCESS STRUCTURE. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS UNTIL THE CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED. 4	SPLICES SHALL BE MADE ONLY AS AND WHERE INDICATED ON THE STRUCTURAL DRAWINGS. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE	SPECIAL INSPECTIONS SHALL BE PREF REQUIREMENTS OF IBC 1704. 2. THE OWNER SHALL RETAIN A TESTING GOVERNING CODE AUTHORITY AND ACC			AISI AMERICAN IRON AND STEEL INSTITUTE ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS DR 22 ANSI AMERICAN NATIONAL STANDARDS LA	DRIZ. HORIZONTAL SS HOLLOW STRUCTURAL SECTION ANGLE M. LAMINATED LONG	
	THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, U.N.O. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.	TO PERFORM TESTS AND INSPECTIONS	S. C-FORCE-RESISTING SYSTEMS SHALL BE		ARCH. ARCHITECT OR ARCHITECTURAL LC LL TEEL BP BASE PLATE BM. BEAM MA	H LONGITUDINAL H LONG LEG HORIZONTAL V LONG LEG VERTICAL AX. MAXIMUM	
	STRUCTURAL STEEL AND STEEL DECK STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND ERECTED	4. QUALITY ASSURANCE PLAN PREPARED BY A REGISTERED DESIGN PROFESSIONAL FOR SEISMIC REQUIREMENTS SHALL BE PROVIDED IN ACCORDANCE WITH IBC SECTIONS 1705.1 AND 1705.2.			BLKG. BLOCKING ME B/D BOTTOM OF DECK MF B/W BOTTOM OF WALL MII		
	IN ACCORDANCE WITH THE AISC 'SPECIFICATION FOR STRUCTURAL STEEL. BUILDINGS' AND 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' (LATEST EDITION AND SUPPLEMENTS)	TABLE 1704.7	ACK-FILLING IN ACCORDANCE WITH IBC IN ACCORDANCE WITH IBC TABLE 1704.4. ACCORDANCE WITH IBC SECTION 1704.3 ACCORDANCE WITH AISC SPECIFICATIONS		CONO. CONONETE	PLATE F. REFERENCE INF. REINFORCE, REINFORCED,	
	2. STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION A572, GR50. EXCEPT ANGLES, PLATES AND BARS WHICH SHALL CONFORM TO ASTM DESIGNATION A36, UNLESS NOTED OTHERWISE. 3. BOLTS OF 3/4 INCH DIAMETER AND SMALLER SHALL CONFORM TO ASTM A705N LANGUE OF A MOTER AND LANGUE DESIGNATION AND LANGUE DESIGNATION AND LANGUE DESIGNATION AND LANGUE DESIGNATION ASTM.	AND TABLE 1704.3.			DIAG. DIAGONAL SC	REINFORCEMENT, OR REINFORCING CQ'D. REQUIRED CHED. SCHEDULE CCT. SECTION	
	A325N. UNLESS NOTED OTHERWISE. BOLTS OF 1 INCH DIAMETER AND LARGER SHALL CONFORM TO ASTM A490N UNLESS NOTED OTHERWISE. ANCHOR BOLTS SHALL CONFORM TO ASTM A307, GRADE 'A' UNLESS NOTED OTHERWISE. THE STRUCTURAL STEEL FABRICATOR AND STEEL DECK FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL AND STEEL DECK,				DIMS. DIMENSIONS ST DWG. DRAWING ST ELECT. ELECTRIC OR ELECTRICAL TS ELEV. ELEVATION TY	TL. STEEL TRUCT. STRUCTURAL TUBE STEEL TYPICAL	
	RESPECTIVELY, FOR ARCHITECT'S REVIEW BEFORE FABRICATING. 5. BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER THAN NORMAL SIZE OF BOLT USED, EXCEPT ANCHOR BOLTS.				EQ. EQUAL U. EQUIP. EQUIPMENT	N. UNLESS NOTED N.O. UNLESS NOTED OTHERWISE WF WELDED WIRE FABRIC WIDE FLANGE	
	S. STRUCTURAL STEEL SURFACES THAT ARE NOT EXPOSED TO WEATHER SHALL BE LEFT UNPAINTED. SEE ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS.				FRMG. FRAMING		
		SYMBOL	LEGEND				
SLOPE DIRECTION (DOWN) SPAN DIRECTION	00'-0" MISCELLANEOUS $00'-0"$ FLOOR OR STEE		<u>GENERAL</u> WELDING	AWS.	EXISTING CONSTRUCTION		
(00'-0") STEEL ELEVATION RIGID CONNECTION	TEGON ON STEEL	ER OF HEADED SHEAR STUDS	STEEL CONCRETE	AUS AND SEE ARCHITECTURAL SYMBOLS	EXISTING TO REMAIN EXISTING TO BE REMOVED		
		TINUOUS FOOTING INDICATOR MASONRY WOOD		ACI AND SEE ARCHITECTURAL SYMBOLS SEE ARCHITECTURAL SYMBOLS	NEW ————————————————————————————————————		
LELEVATION INDICATOR	CHANGE (STER	CHANGE (STEP) IN ELEVATION INDICATOR		SEE ARCHITECTURAL SYMBOLS SYMBOLS AND ABBREVIATIONS FOR CONCRETE (as per ACI)		= EXISTING PIPE COLUMN TO REMAIN	
OPEN	NOR	NORTH 1		# TO INDICATE SIZE OF DEFORMED BAR PLAIN ROUNDS, AS SPIRALS or AT SPACING CENTER TO CENTER			
MASONRY (CMU)	$\frac{1}{-}$		DIRECTION IN WHICH BARS EXTEND LIMITS OF AREA COVERED BY BARS		■ H = NEW COLUMN		



THOMAD Engineering LLC
Structural Engineering Consulting

4535 W. RUSSELL ROAD
SUITE 12
LAS VEGAS, NV 89118
TEL (702) 388-7755
FAX (702) 388-7766
www.thomadengr.com

JOB #: 1111

C\Documents and Settings\Thomad Engineering\Deaktop\MT Stamp.png

NEVADA, LAS VEGAS

C - STUDENT DINING

S ALTERATION

AND PARKWAY

89119

ARAMARK - STUDE COMMONS ALTERA 4505 S. MARYLAND PARKWAY

ARAMARK
Innovative Dining Solutions
ARAMARK CORPORATION
ARAMARK INNOVATION CENTER
VANAMAKER BUILDING, 5th FLOOR
PHILADELPHIA, PA 19107

REVISIONS
06/06/11
PERMIT REVIEW
06/27/11
PERMIT REVIEW
07/08/11

CONSTRUCTION DOCUMENTS

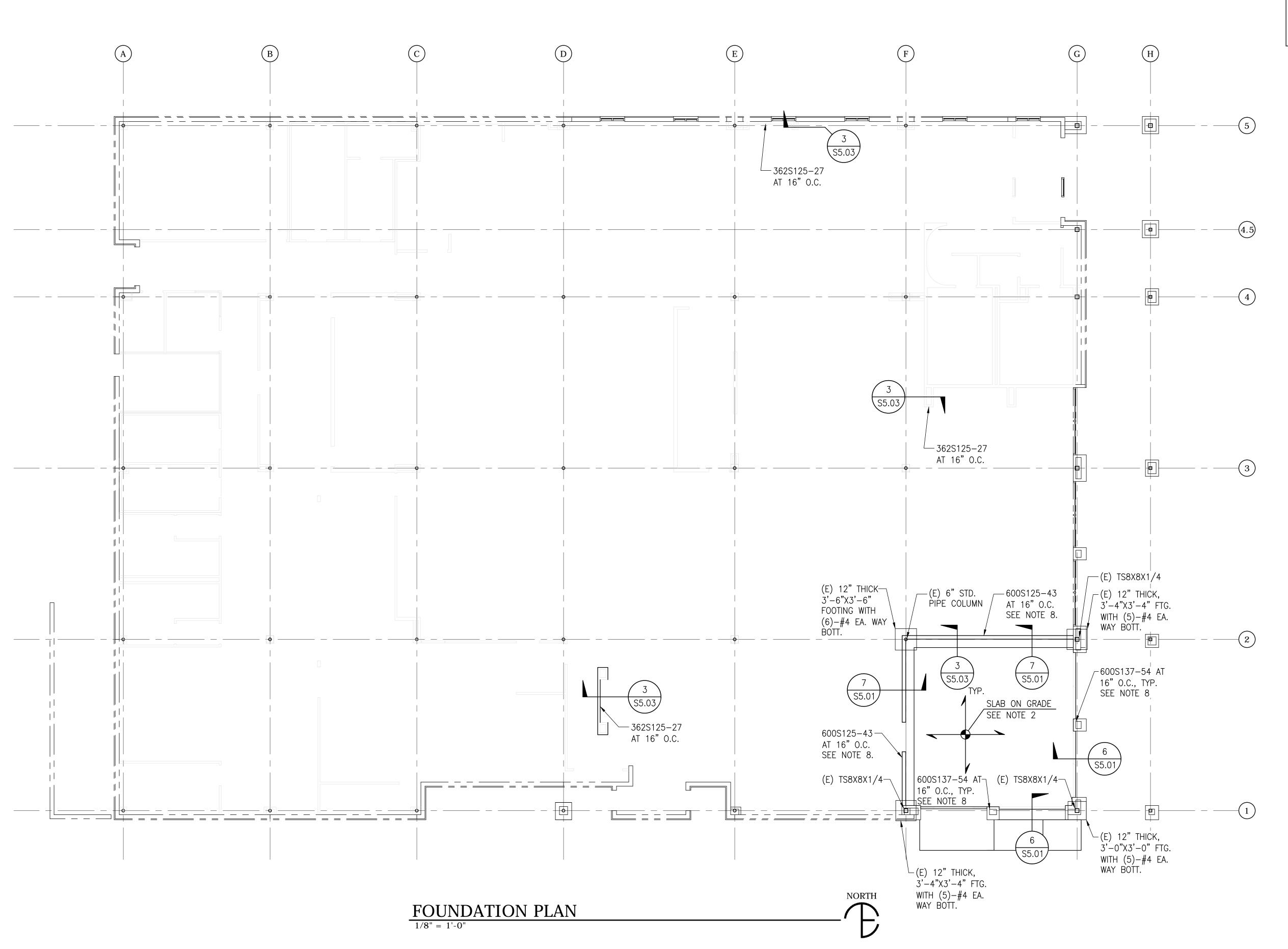
© COPYRIGHT 2011
DWL ARCHITECTS + PLANNERS, INC.

ET TITLE:
STRUCTRAL COVER
SHEET

EET NUMBER:

S1, 1 0

REVIEWED BY:
SN/MT



FOUNDATION PLAN NOTES

- 1. TOP OF SLAB ON GRADE ELEVATION 0'-0" U.N.O VERIFY WITH CIVIL AND/OR ARCHITECTURAL DRAWINGS.
- 2. SLAB ON GRADE SHALL BE 5" THICK WITH #4 AT 24"
 EACH WAY 2" CLEAR FROM TOP OF SLAB. FOR METHOD
 OF PLACING SLAB ON GRADE, SEE 3/S5.01. FOR SLAB
 SLOPES, DEPRESSIONS, SLAB EDGE ETC. SEE
 ARCHITECTURAL DRAWINGS.
- 3. FOR TYPICAL DETAILS, SEE SHEET S5.01. FOR GENERAL NOTES SEE SHEET S1.10.
- 4. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
- 7. THESE DRAWINGS ARE BASED ON EXISTING AS BUILT STRUCTURAL DRAWINGS BY GB&L CONSULTING ENGINEERS DATED AUGUST 18, 1989.
- 8. FOR COLD FORMED STEEL DETAILS, SEE SHEET S5.03



THOMAD Engineering LLC Structural Engineering Consulting
4535 W. RUSSELL ROAD SUITE 12
LAS VEGAS, NV 89118
TEL (702) 388-7755
FAX (702) 388-7766
www.thomadengr.com

JOB #: 1111

uments and Settings\Thomad Engineering\Desklap\MT Stamp.pag

S VEGAS
DENT DINING
RATION

ARAMARK - STUDE
COMMONS ALTERA
4505 S. MARYLAND PARKWAY



REVISIONS
06/06/11
PERMIT REVIEW
06/27/11
PERMIT REVIEW
07/08/11

CONSTRUCTION DOCUMENTS

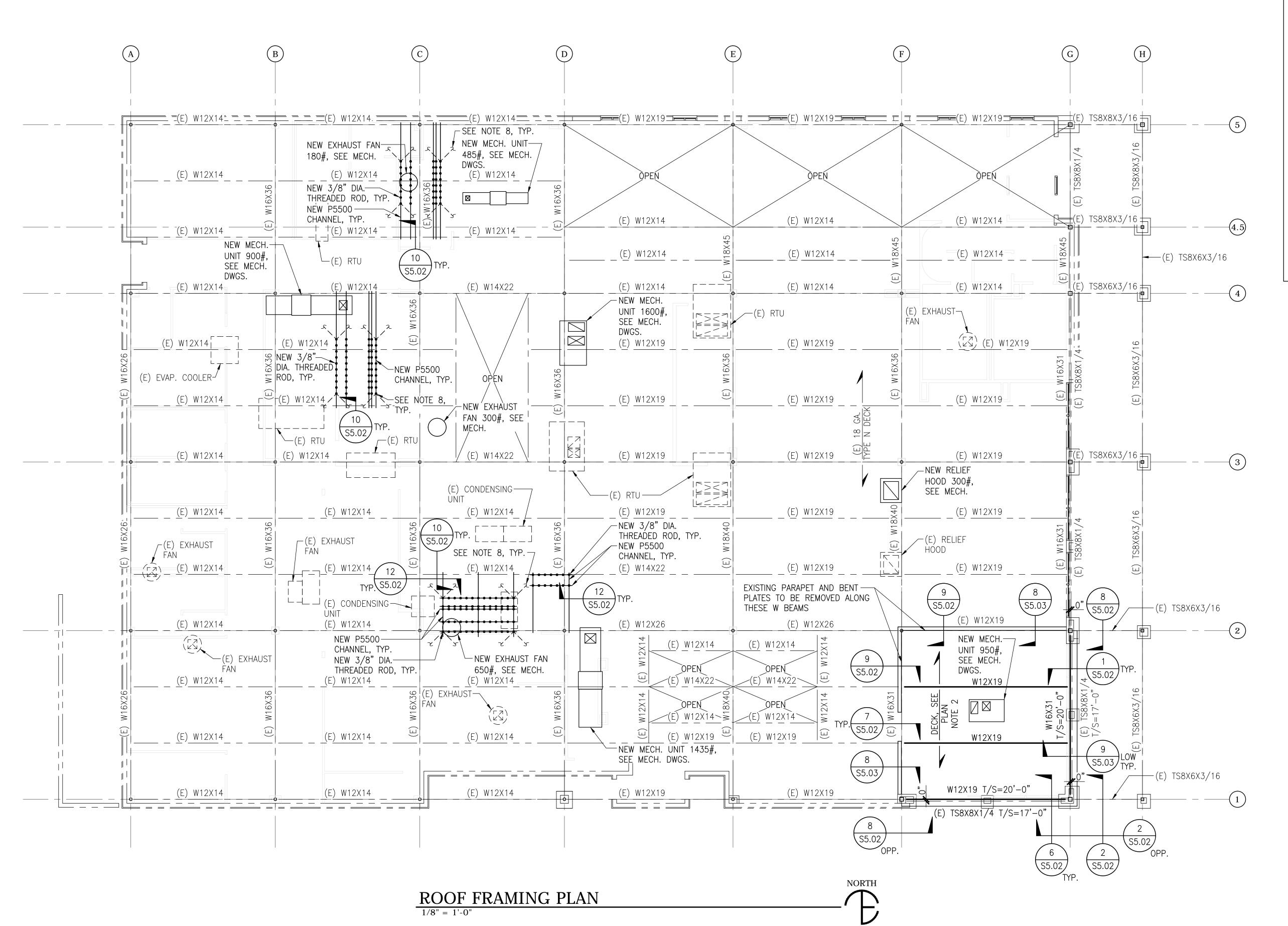
© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

FOUNDATION PLAN

EET NUMBER:

Y: REVIEWED BY:
SN/M

TE: PROJECT NUMBER: 1101.00



ROOF FRAMING PLAN NOTES:

- 1. BOTTOM OF STEEL DECK ELEVATION VARIES AND IS NOTED ON PLANS THUS XX'-X" U.N.O.
- 2. ROOF DECK SHALL BE 3" x 18 GA. VERCO TYPE N DECK OR EQUAL. DECK SHALL SPAN CONTINUOUS OVER 3 OR MORE SPANS (4 SUPPORTS). SEE ARCHITECTURAL DRAWINGS FOR INSULATION, ROOFING ETC. WELD DECK USING 1/2" DIA. NET EFFECTIVE PUDDLE WELDS AS FOLLOWS:
 - A. PERPENDICULAR BEARINGS: 4 WELDS PER SHEET PER SUPPORT

 B. DARALLEL EDGES: AT 12" O.C.
 - B. PARALLEL EDGES: AT 12" O.C.C. SIDE SEAMS: BUTTON PUNCH AT 12" O.C.
- 3. DO NOT HANG LOADS EXCEEDING 150 LBS FROM METAL DECK. PROVIDE ENGINEERED STRUCTURAL SYSTEM TO HANG ALL LOADS EXCEEDING 150 LBS FROM STEEL JOISTS OR BEAMS. THIS INCLUDES BUT IS NOT LIMITED TO METAL STUD SOFFIT OR CEILING FRAMING, MECHANICAL OR PLUMBING EQUIPMENT, ETC.
- 4. FOR TYPICAL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SEE 1/S5.02.
- 5. FOR TYPICAL DETAILS SEE SHEET S5.02. FOR GENERAL NOTES SEE SHEET S1.10.
- SEE ARCHITECTURAL DRAWINGS TO VERIFY ROOF SLOPES, ROOF DRAINS, PENETRATIONS, ETC.
- 7. THESE DRAWINGS ARE BASED ON EXISTING AS BUILT STRUCTURAL DRAWINGS BY GB&L CONSULTING ENGINEERS DATED AUGUST 18, 1989.
- 8. FOR SEISMIC BRACING OF EXHAUST HOODS, SEE DETAILS 13 AND 14 ON SHEET S5.02.
- 9. FOR COLD FORMED STEEL DETAILS, SEE SHEET S5.03
- 10. UNISTRUT MEMBERS SUPPORTING CEILING SOFFITS ARE NOT SHOWN FOR CLARITY. SEE DETAIL 10 ON SHEET S5.02 AND DETAILS 11 AND 12 ON SHEET S5.03.



THOMAD
Engineering LLC
Structural Engineering Consulting

4535 W. RUSSELL ROAD
SUITE 12
LAS VEGAS, NV 89118
TEL (702) 388-7755
FAX (702) 388-7766
www.thomadengr.com

JOB #: 1111

C:\Documents and Settings\Thomad Engineering\Desktop\MT Stamp.png

ARAMARK - STUDENT DINING COMMONS ALTERATION
4505 S. MARYLAND PARKWAY
LAS VEGAS, NV. 8919



REVISIONS
06/06/11
PERMIT REVIEW
06/27/11
PERMIT REVIEW
07/08/11

CONSTRUCTION DOCUMENTS

© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

ROOF FRAMING PLAN

SHEET NUMBER:

S 2 , 2 O

DATE: PROJECT NUMBER: 1101.00

CEILING SOFFIT FRAMING PLAN NOTES

- 1. FOR TYPICAL DETAILS SEE SHEET S5.02. FOR GENERAL NOTES SEE SHEET S1.10.
- 2. SEE ARCHITECTURAL DRAWINGS TO VERIFY LOCATION AND DIMENSIONS OF ALL SOFFITS.
- 3. FOR COLD FORMED STEEL DETAILS, SEE SHEET S5.03
- 4. UNISTRUT MEMBERS SUPPORTING CEILING SOFFITS ARE NOT SHOWN FOR CLARITY. SEE DETAILS 11 AND 12 ON SHEET S5.03





VEGAS ENT DINING ATION

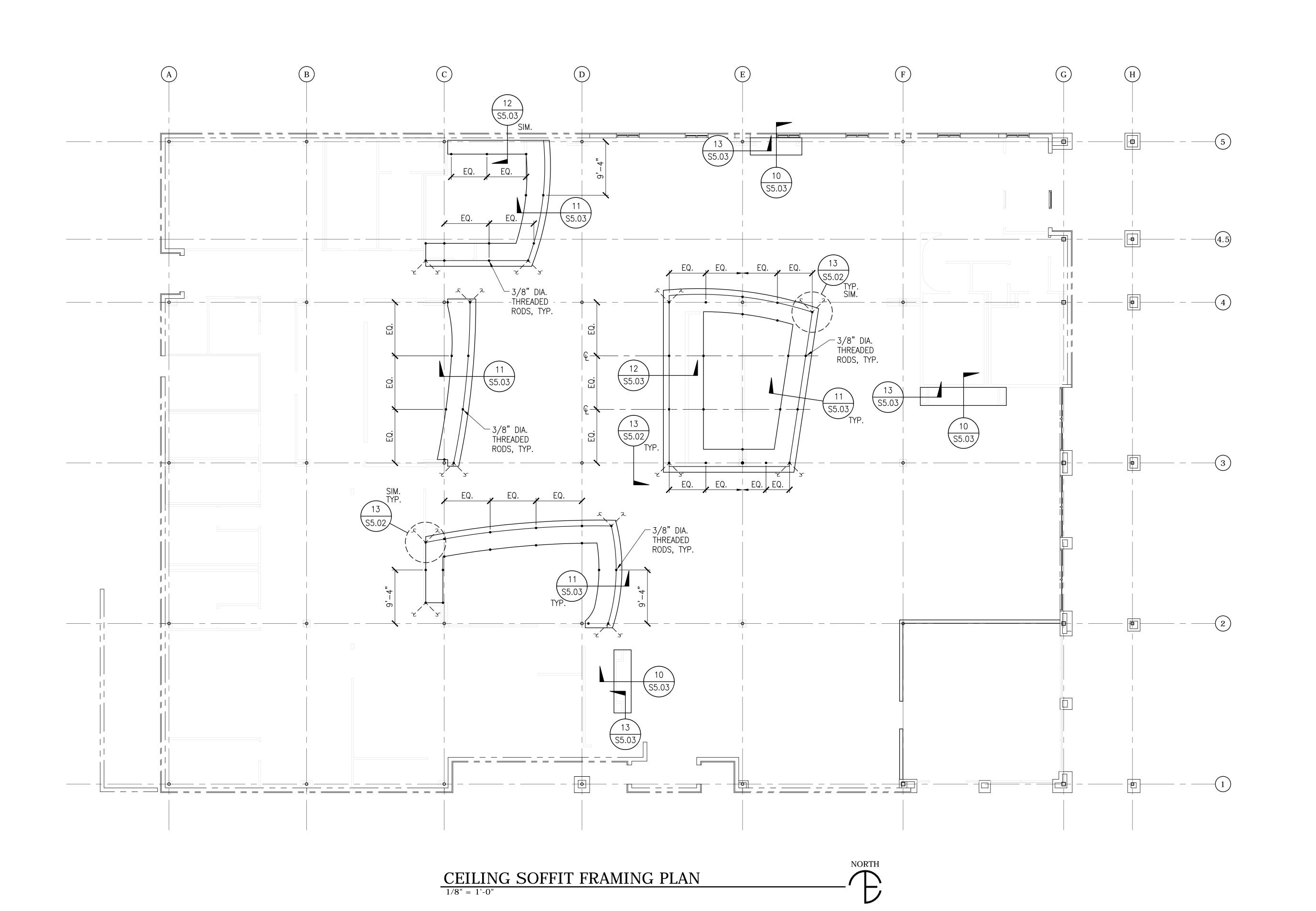


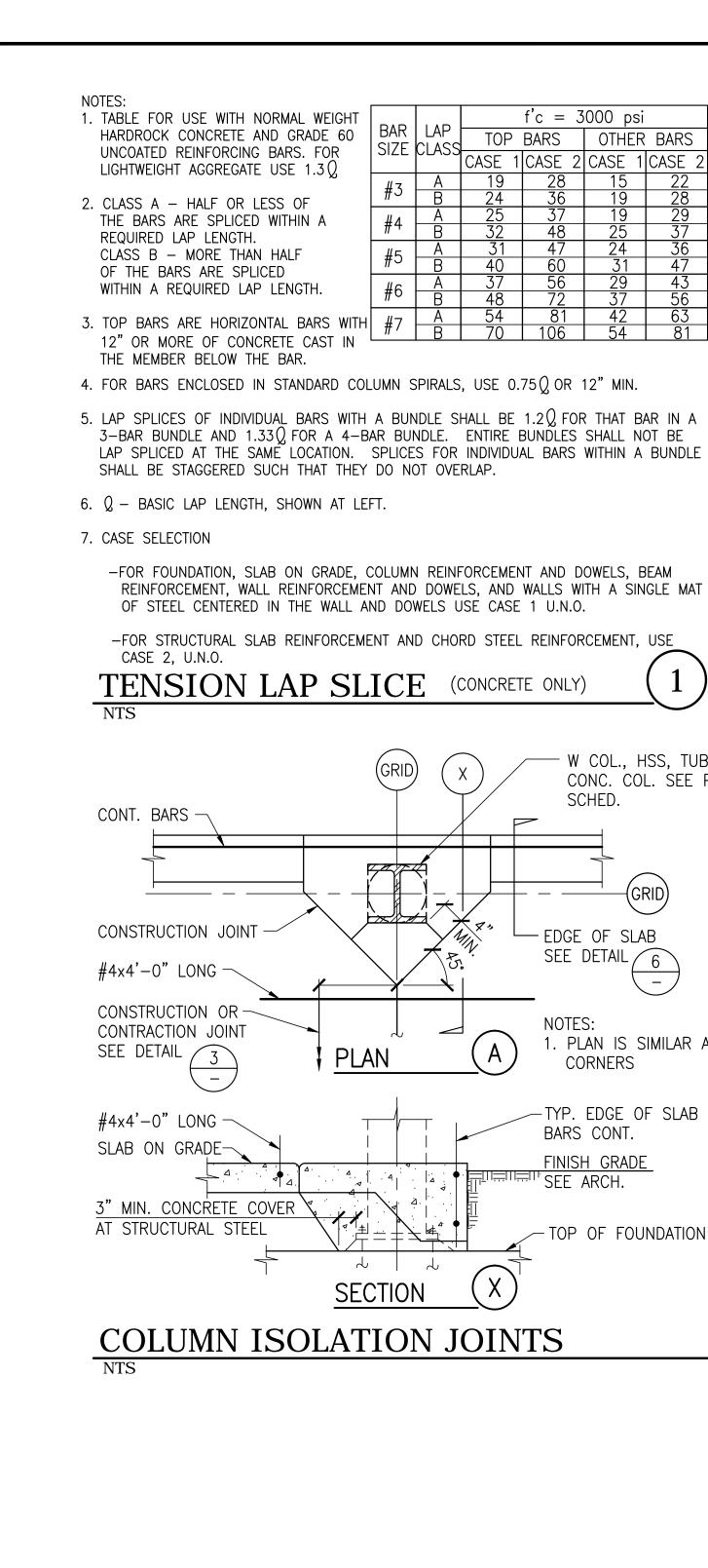
REVISIONS 06/06/11 06/06/11PERMIT REVIEW 06/27/11 06/27/11PERMIT REVIEW 07/08/11

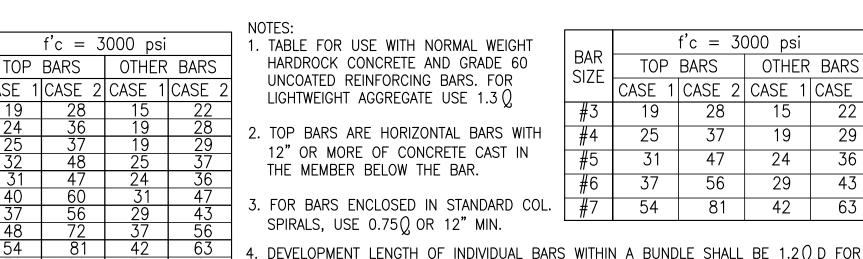
CONSTRUCTION DOCUMENTS

© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

SHEET TITLE:
CEILING SOFFIT
FRAMING PLAN







. DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE 1.2 () D FOR THAT BAR IN A 3-BAR BUNDLE AND 1.33 () D FOR A 4-BAR BUNDLE.

5. COMPRESSION DEVELOPMENT LENGTH (ONLY WHERE INDICATED ON DRAWINGS) FOR GRADE 60 BARS USE 22 BAR DIAMETERS.

6. CASE SELECTION

-FOR FOUNDATION, SLAB ON GRADE, COLUMN REINFORCEMENT AND DOWELS, BEAM REINFORCEMENT, WALL REINFORCEMENT AND DOWELS (EXCEPT AS NOTED BELOW), AND WALLS WITH A SINGLE MAT OF STEEL CENTERED IN THE WALL AND DOWELS USE CASE 1 U.N.O.

-FOR STRUCTURAL SLAB REINFORCEMENT AND CHORD STEEL REINFORCEMENT, USE CASE 2, U.N.O. EXTEND BAR AS FAR AS POSSIBLE AND BEND WITH 90° STANDARD HOOK WHERE (), d CANNOT BE ACHIEVED FACE OF -SUPPORT

(CONCRETE ONLY)

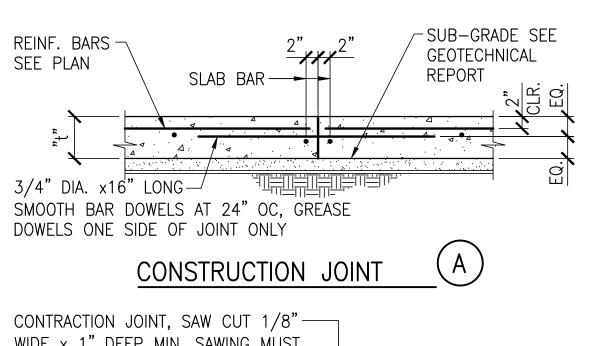
TENSION DEVELOPMENT LENGTH

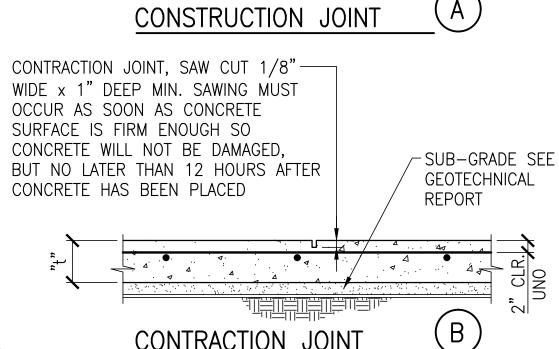
COLUMN CENTERLINE CONTRACTION WHERE OCCUR JOINTS CONSTRUCTION --ISOLATION JOINT AT JOINTS COLUMNS SEE DETAIL 5 SEE DETAIL (A) (B) └-225 SQUARE FEET MAXIMUM, TYPICAL

1. SLAB SHALL BE PLACED IN STRIP PATTERN. (2)=SECOND 2. STRIPS TO BE DIVIDED BY CONSTRUCTION JOINTS AT THE CENTERLINE OF COLUMNS WHERE THEY OCCUR AND SUBDIVIDED AS REQUIRED INTO AREAS NOT EXCEEDING

225 SQ. FT. BY CONTRACTION JOINTS. 3. IN AREAS WHERE COLUMNS DO NOT OCCUR PROVIDE CONSTRUCTION AND CONTRACTION JOINTS AS ABOVE. 4. CONTRACTORS SHALL OBTAIN ARCHITECT'S APPROVAL FOR ALL JOINT LOCATIONS.

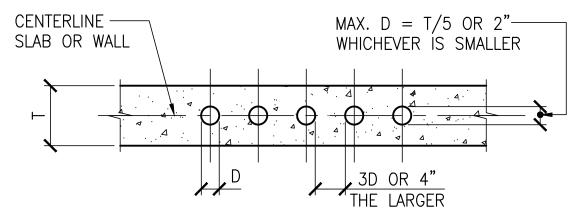
METHOD OF PLACING SLAB ON GRADE



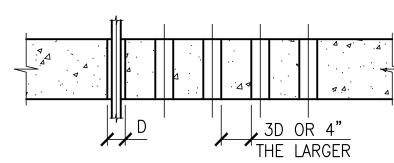


-DRILL AND EPOXY

DOWEL INTO EXISTING



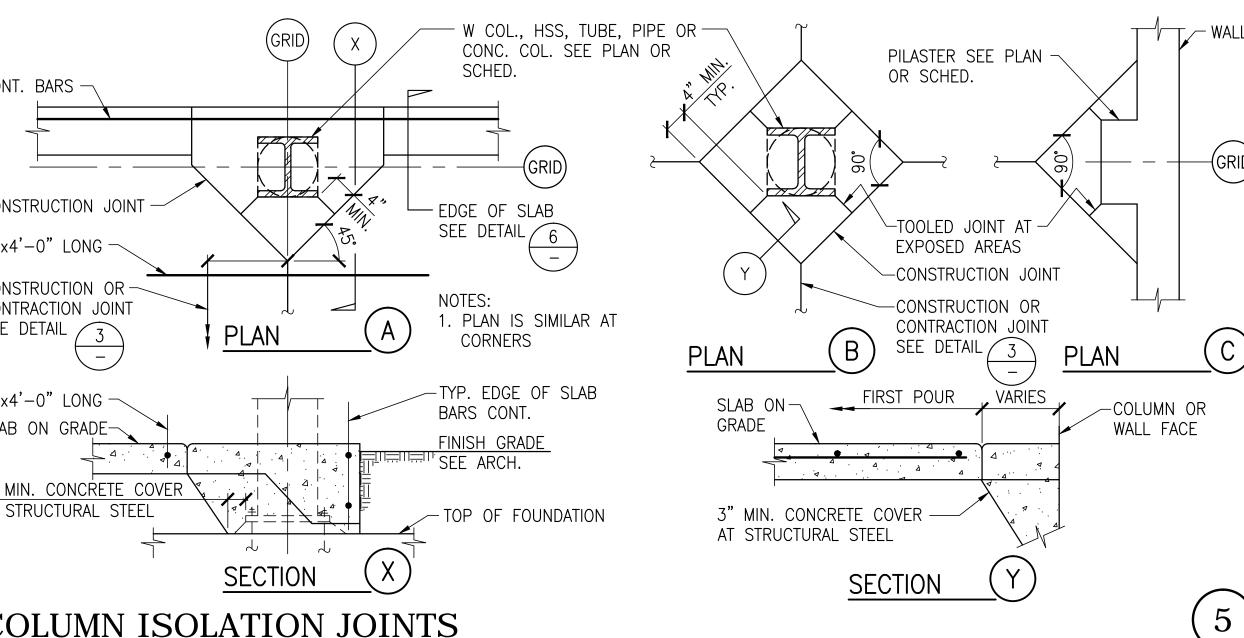


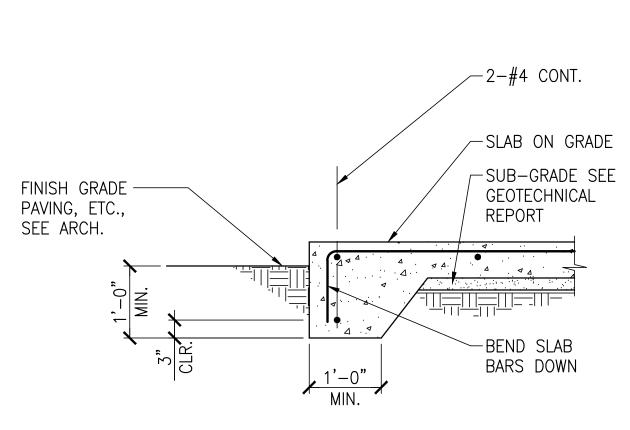


PIPING THRU SLAB OR WALL

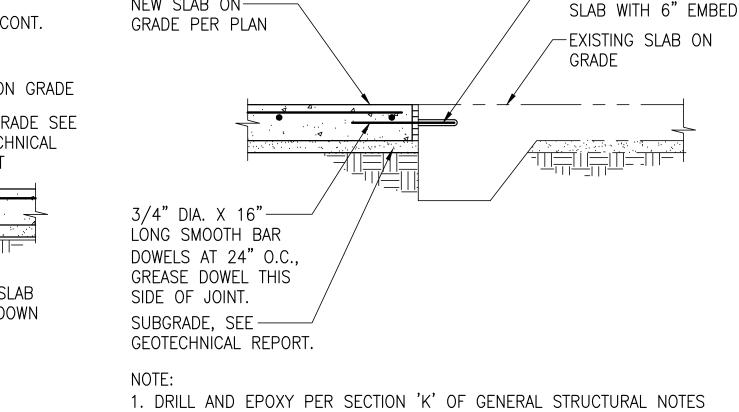
NOTES: 1. WHERE CLEAR DISTANCE BETWEEN SLEEVES IS IMPOSSIBLE THIS AREA SHALL BE TREATED AS A SLAB OPENING OR AS A WALL OPENING.

PIPING CONDUIT IN OR THRU SLAB OR WALI



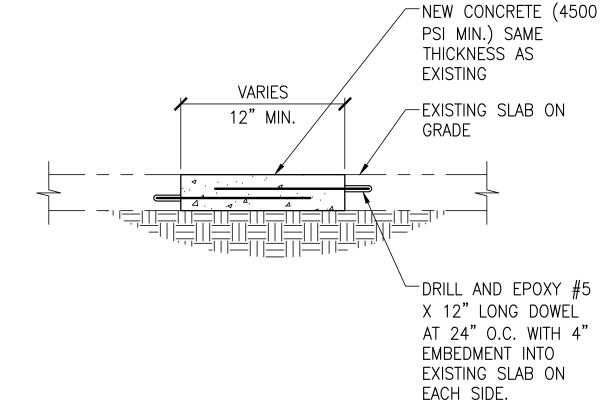


EDGE OF SLAB ON GRADE



NEW SLAB ON-

1. DRILL AND EPOXY PER SECTION 'K' OF GENERAL STRUCTURAL NOTES ON SHEET S1.10 NEW SLAB AT EXISTING EDGE OF SLAB



1. PROVIDE #4 AT 24" O.C. IN DIRECTION WHERE OPENING EXCEEDS 24" 2. DRILL AND EPOXY PER SECTION 'K' OF GENERAL STRUCTURAL NOTES ON SHEET S1.10

EXISTING SLAB ON GRADE REPAIR 8

ARAMA COMMC 4505 S. MA LAS VEGAS ARAMARK

ARCHITECTS + PLANNERS, INC.

Phoenix, AZ 85004

tel 602.264.9731

THOMAD !

Engineering LL

LAS VEGAS, NV 89118

www.thomadengr.com

C:\Documents and Settings\Thomad Engineering\Deaktop\MT Stamp.png

TEL (702) 388-7755

FAX (702) 388-7766

JOB #: 1111

4535 W. RUSSELL ROAD

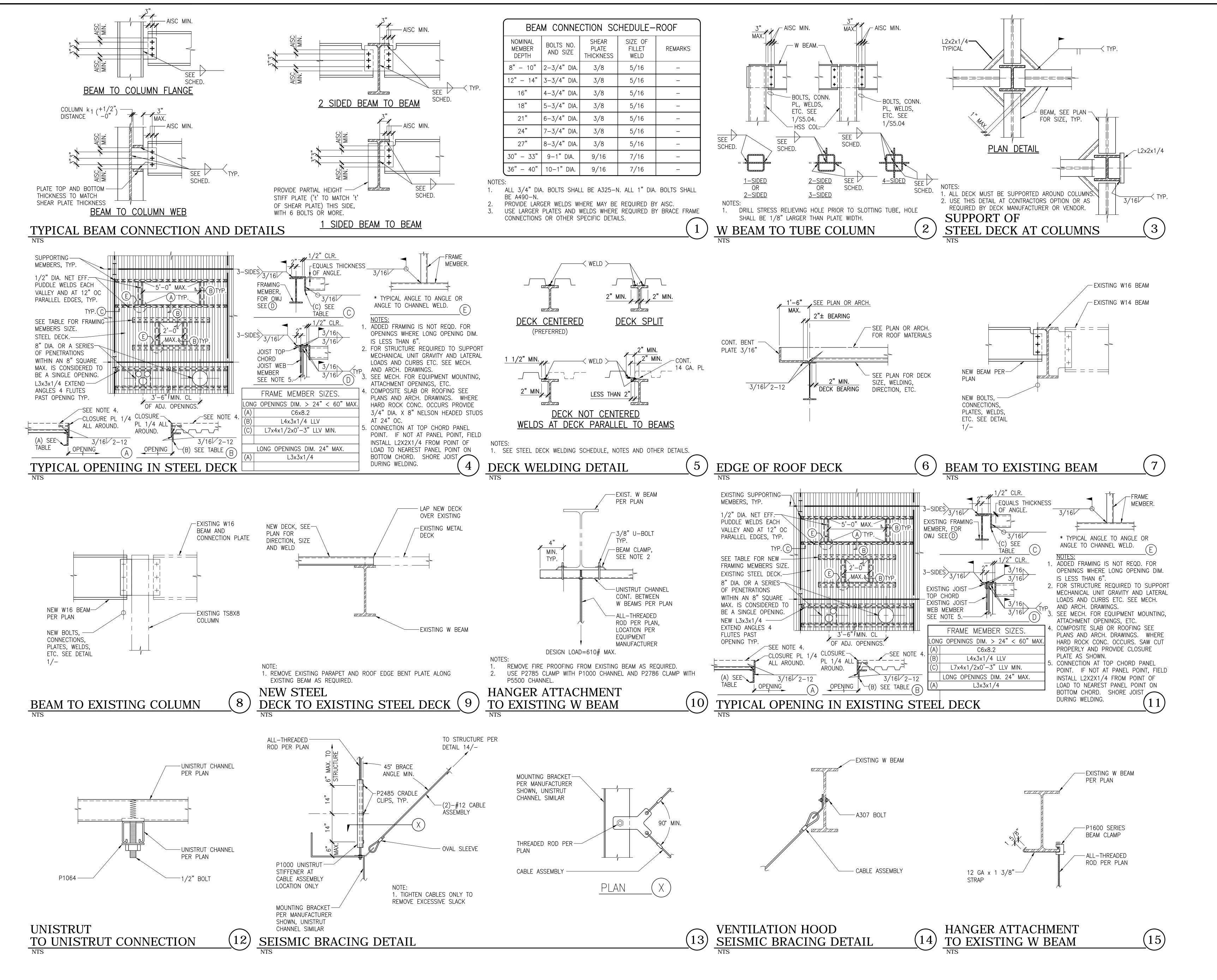
WANAMAKER BUILDING, 5th FLOOF HILADELPHIA, PA 19107 REVISIONS 06/06/11 PERMIT REVIEW 06/27/11

PERMIT REVIEW 07/08/11

CONSTRUCTION DOCUMENTS

© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

FOUNDATION DETAILS





THOMAD. Engineering LL 4535 W. RUSSELL ROAD LAS VEGAS, NV 89118 TEL (702) 388-7755 FAX (702) 388-7766 www.thomadengr.com JOB #: 1111

DINING AL TERA ARAMARK
COMMONS
4505 S. MARYLAN
LAS VEGAS, NV. 8

ARAMARK ARAMARK INNOVATION CENTE VANAMAKER BUILDING, 5th FLOO

HILADELPHIA, PA 19107

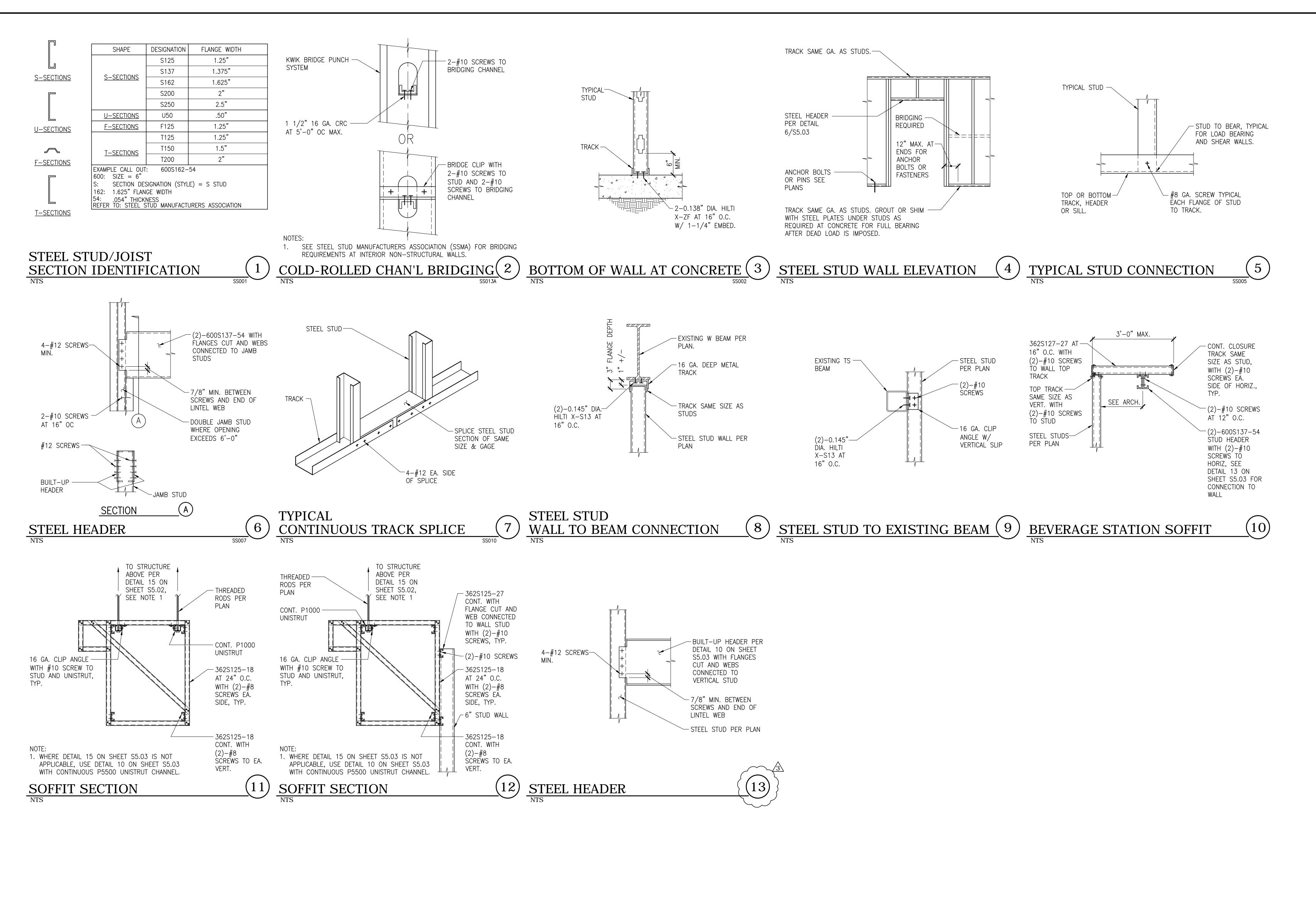
REVISIONS ↑ PERMIT REVIEW $\frac{2}{2}$ 06/27/11 ↑ PERMIT REVIEW $\sqrt{3}$ 07/08/11

CONSTRUCTION DOCUMENTS

© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

STEEL DETAILS

REVIEWED BY: SN/MT PROJECT NUMBER: 1101.00 06/06/11





THOMAD
Engineering LLC
Structural Engineering Consulting

4535 W. RUSSELL ROAD
SUITE 12
LAS VEGAS, NV 89118
TEL (702) 388-7755
FAX (702) 388-7766
www.thomadengr.com

JOB #: 1111

C:\Documents and Settings\Thomad Engineering\Dealdop\MT Stamp.png

UNIVERSITY OF NEVADA, LAS VEGAS
ARAMARK - STUDENT DINING
COMMONS ALTERATION
4505 S. MARYLAND PARKWAY
LAS VEGAS, NV. 89119

ARAMARK
Innovative Dining Solutions

ARAMARK CORPORATION
ARAMARK INNOVATION CENTER
WANAMAKER BUILDING, 5th FLOOR
PHILADELPHIA, PA 19107

REVISIONS
06/06/11
PERMIT REVIEW
06/27/11
PERMIT REVIEW
07/08/11

CONSTRUCTION DOCUMENTS

© COPYRIGHT 2011 DWL ARCHITECTS + PLANNERS, INC.

STEEL STUD DETAILS

DRAWN BY:

REVIEWED BY:

EK SN/MT

DATE: PROJECT NUMBER: 1101.00