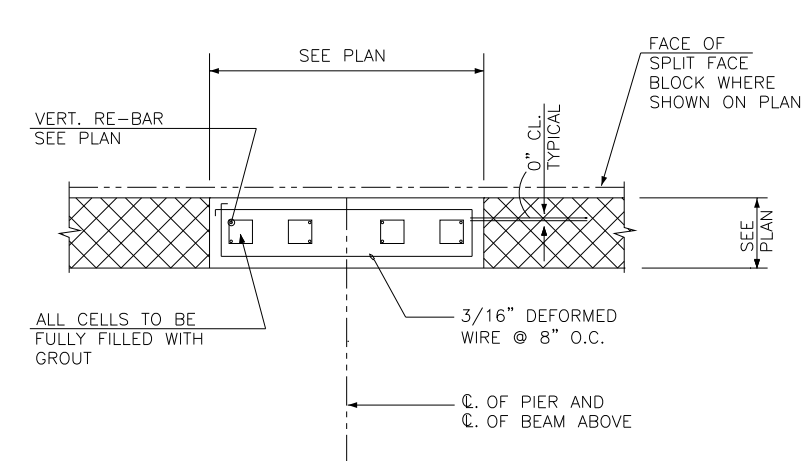
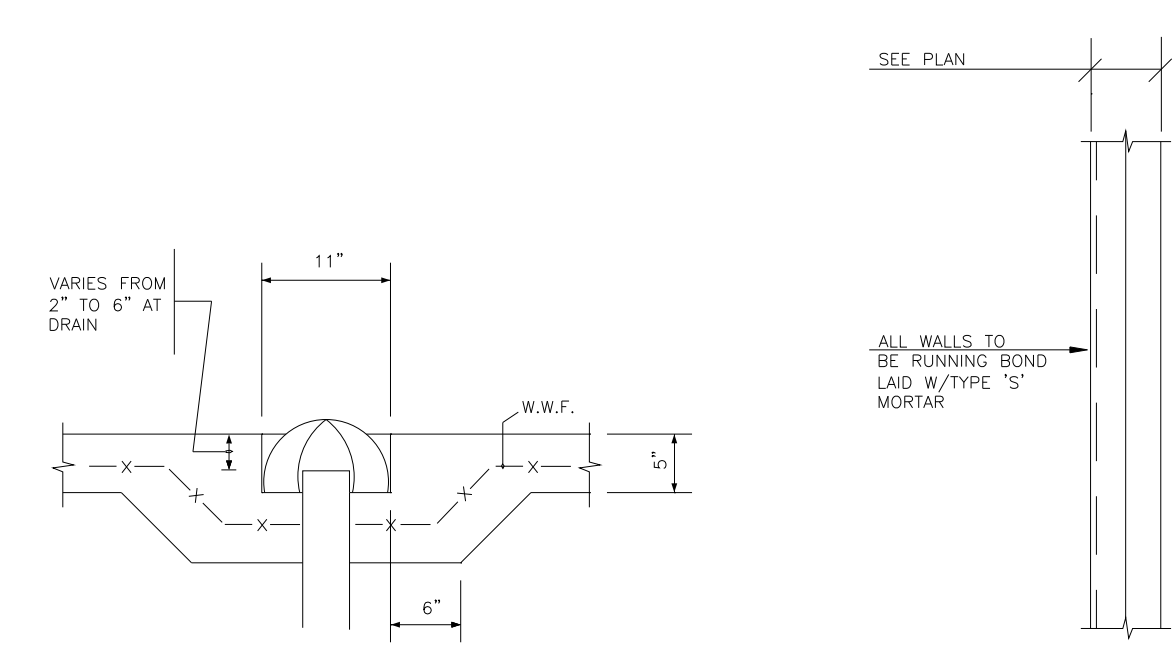


TYPICAL BEAM BEARING ON MASONRY AND BASE PLATE
N.T.S.

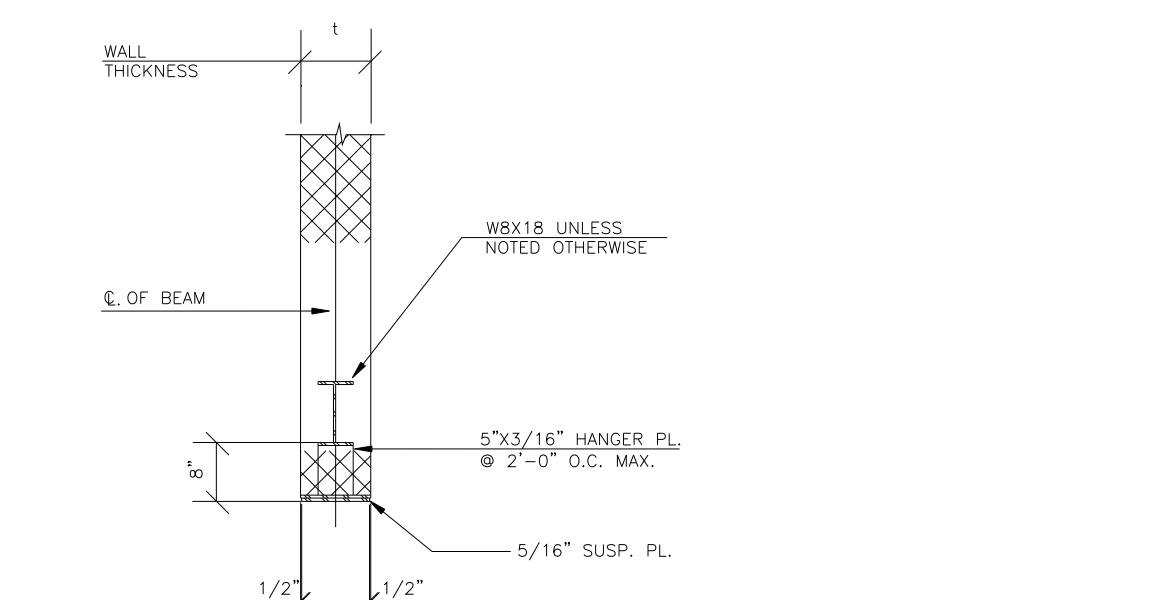


C.M.U. PIER DETAIL
N.T.S.



SECTION
N.T.S.

TYP. WALL REINFORCING DTL.
SCALE 3/4" = 1'-0"



TYP. BM. WITH SUSPENDED PLATE
N.T.S.

- (1) THIS DETAIL SHALL APPLY AT OPENING'S 6'-0" OVER.
- (2) BEAM SHALL BEAR ON SOLID C.M.U. PIER AT EACH END W/B . E. 6"x1/2"x0'-8" UNLESS OTHERWISE NOTED.

- (1) BUILDING WALLS, STD. TRUSS TYPE "DUR-O-BAL" EVERY 2ND BLK. COURSE
- (2) PARAPET WALLS, HEAVY DUTY TRUSS TYPE "DUR-O-WAL" EVERY BLK. COURSE
- (3) PRE-FABRICATED CORNER AND TEE SECTIONS SHALL BE USED WHERE APPLICABLE
- (4) "DUR-O-WAL" TRUSS REIN. SHALL BE INSTALLED IN THE 1ST & 2ND. BED JTS. 8" APART IMMEDIATELY ABOVE LINTEL & ABOVE SILLS AT OPENING. & IN BED JTS. @ 16" VERT. INTERVALS ELSEWHERE REIN. IN THE BED JOINT ABOVE OR BELOW OPENINGS SHOULD EXTEND 2 FT. BEYOND JAMBS. ALL REIN. SHOULD BE CONT. EXCEPT IT SHOULD NOT PASS THRU. VERT. CONTROL JOINTS.

STRUCTURAL NOTES

LIVE LOADS : ROOF 20 P.S.F. EFFECTIVE WIND PRESSURE 13 P.S.F.

CONCRETE : ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE ACI CODE 318-89 STONE CONCRETE STRENGTH TO BE $f'c = 3000$ P.S.I. @ 28 DAYS AND SAND/PEA GRAVEL CONCRETE STRENGTH TO BE $f'c = 3000$ P.S.I. @ 28 DAYS.

REINFORCING STEEL : REINFORCING STEEL TO HIGH STRENGTH NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. WELDED WIRE FABRIC TO CONFORM TO ASTM A-185, FABRICATE AND PROVIDE STANDARD SUPPORTING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315.

SLAB ON GRADE : EXCEPT WHERE OTHERWISE NOTED, SHALL BE 5" THICK REINFORCED WITH 6"x6" W2.1 W.W.F. LAP MESH 6" IN EACH DIRECTION. IN SLABS ON GRADE, AIR ENTRAINING CEMENT THAT WILL ENTRAIN AIR OF 5% ± 1% OR EQUIVALENT AIR ENTRAINING AGENT WILL BE USED. SLAB SHALL BE LAID ON A LAYER OF 6 MIL. POLYETHYLENE OVER A 4" LAYER OF WASHED GRAVEL, UNLESS OTHERWISE NOTED. IN LIEU OF W.W.F. "FIBERMESH" MAY BE USED, APPLIED AT THE RATE OF 1.5 LBS/YD3.

STRUCTURAL STEEL : ALL STRUCTURAL STEEL EXCEPT TUBES SHALL BE ASTM A36 OR A 572 GRADE 50 AND SHALL CONFORM TO AISC'S LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" ALL CONNECTIONS MAY BE BOLTED OR WELDED, WHERE BOLTED CONNECTIONS ARE USED, USE 3/4" H.S. BOLTS ASTM A 325 WITH LOAD INDICATING WASHER UNDER HEAD OR NUT, ALL IN ACCORDANCE WITH AISC REQUIREMENTS. CONNECTIONS SHALL BE FULLY DETAILED. WELDS SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS AND STANDARDS D1.1-89 AND BE PERFORMED BY CERTIFIED WELDERS ONLY. PROVIDE ONE (1) COAT OF SHOP PAINT CONFORMING TO REQUIREMENTS OF STEEL STRUCTURES PAINTING COUNCIL (S.S.P.C.), PLACE ALL BEAMS WITH NATURAL CABERS UP. HOLES THROUGH BEAMS AND COLUMNS SHALL NOT BE PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE MINIMUM 6"x1/2"x0'-8" BEARING PLATE, BEDDED IN GROUT FOR WALL BEARING BEAMS OR CHANNELS. FURNISH 2-1/2" Øx2'-0" ANCHOR BOLTS GROUTED INTO WALLS. PIPE COLUMNS TO CONFORM TO ASTM A-501

STEEL JOISTS : STEEL JOISTS SHALL CONFORM TO 1994 S.J.I. "SPECIFICATIONS AND RECOMMENDED CODE OF STANDARD PRACTICE FOR OPEN WEB AND LONG SPAN STEEL JOISTS". FOR OPEN WEB JOISTS PROVIDE 2 1/2" MINIMUM BEARING ON STRUCTURAL STEEL AND 4" MINIMUM BEARING ON MASONRY. WELD JOIST ENDS TO STEEL SUPPORTS WITH A MINIMUM OF TWO (2) 1/8" WELDS X 1 1/2" LONG JOIST FABRICATOR SHALL PROVIDE ALL NECESSARY BRIDGING, CEILING SUPPORT EXTENSIONS, SPECIAL ENDS, BEAM AND WALL ANCHORS, BEARING PLATES AND BOTTOM CHORD EXTENSIONS REQUIRED FOR LATERAL BRACING, STEEL JOISTS TO BE FURNISHED ONLY BY A MEMBER OF THE STEEL JOISTS INSTITUTE.

LINELS : UNLESS OTHERWISE NOTED, PROVIDE LOOSE ANGLE LINELS AS FOLLOW WITH ONE ANGLE FOR EACH 4" OF MASONRY WITH THE 3 1/2" LEG HORIZONTAL:
 OPENINGS TO 4'-0" ----- L3"x3 1/2"x5/16"
 OPENINGS 4'-1" TO 6'-0" ----- L5"x3 1/2"x5/16"
 OPENINGS 6'-1" TO 8'-0" ----- L6"x3 1/2"x5/16"
 OPENINGS FROM 6'-1" SEE DETAIL ON THIS SHEET

WHEN OPENINGS EXCEED 6'-0" PROVIDE LINTEL SUPPORT AS SHOWN ON DRAWINGS, WHEN NOT OTHERWISE SHOWN ON PLANS, PROVIDE W8X18 WITH 5/16" SUSPENDED PLATE WHERE OPENINGS ARE IN EXCESS OF 6'-1" OR

PROVIDE PRECAST LIGHTWEIGHT LINELS FOR EACH 4" OF WALL THICKNESS. (FOR 6" THICK WALLS PROVIDE ONE LINTEL UNIT 6"x8"). REINFORCE EACH LINTEL UNIT WITH 1 # 5 BAR TOP AND 1 # 5 BAR BOTTOM, WITH #2 TIE BARS SPACED AT 6" ON CENTERS. C.M.U. LINTEL UNITS SHALL HAVE AN 8" MINIMUM BEARING AT ENDS. SEE PLANS FOR LOCATION OF C.M.U. AND/OR STEEL LINELS.

STEEL ROOF DECK : ROOF DECK SHALL BE 1 1/2" DEEP, WIDE RIB, 22 GAUGE, PAINTED MN. 1 = 167 IN 4 SP = 196 IN 3 AND SHALL BE OF SUFFICIENT LENGTH TO EXTEND MINIMUM 3 SPANS. ROOF DECK SHALL BE CONNECTED TO SUPPORTING MEMBERS STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STEEL DECK TO CONFORM TO FACTORY MUTUAL AND TO ROOF DECK INSULATION VENDOR REQUIREMENTS

MASONRY : PROVIDE A MINIMUM OF THREE COURSES OF SOLID BRICK OR ONE COURSE OF 100% SOLID C.M.U. UNDER ALL WALL BEARING ENDS OF JOISTS AND BEAMS WHERE NO WALL BOND BEAM IS DESIGNATED. ALL WALL SHALL BE LAID WITH TYPE "S" MORTAR. HOLLOW LOAD BEARING C.M.U. GRADE N, TYPE I, SHALL CONFORM TO ASTM C90. SOLID LOAD BEARING C.M.U., GRADE N, TYPE I, SHALL CONFORM TO ASTM C145. HOLLOW NON-LOAD BEARING C.M.U., TYPE I, SHALL CONFORM TO ASTM C129. MORTAR FOR GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476. ALL MASONRY WORK TO CONFORM TO LOCAL MASONRY CODES.

WALL DROPPING : EXTREME CARE AND PROPER PREVENTIVE MEASURES MUST BE TAKEN SO AS NOT TO DAMAGE, BULGE OR TIP WALLS DUE TO EQUIPMENT AND/OR EARTH PRESSURE. SHORING, BACK-PROPPING OR OTHER SUITABLE METHODS OR PROTECTION SHALL BE EMPLOYED UNTIL THE FULL LOAD OF THE BUILDING IS ON THE WALLS.

MISCELLANEOUS : PROVIDE ALL CLIPS, INSERTS, TIES, ANCHORS STRAPS, BOLTS AND OTHER FASTENERS REQUIRED FOR THIS SECTION. VERIFY ALL FLOOR OPENINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS, DETAIL AND SIZE TO FIT EQUIPMENT FURNISHED, UNLESS NOTED. FRAME ALL OPENINGS WITH L5"x3"x5/16" AND WELD TO THE SUPPORTING STRUCTURE. ALL SUSPENDED OR ROOF MOUNTED EQUIPMENT SHALL BE WORKED FROM JOIST TOP CHORD PANEL POINTS ONLY. VERIFY ALL DIMENSIONS AND SLOPES FROM ARCHITECTURAL PLANS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. HANGERS AND FRAMES FOR SUSPENDED MECHANICAL EQUIPMENT TO BE FURNISHED BY MECHANICAL CONTRACTOR.

FOUNDATION WORK : ALL CONTROLLED FILLS AND FOUNDATION WORK TO BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER. SEE REPORT PREPARED BY HERES ASSOCIATES. FOR ADDITIONAL CONSTRUCTION AND BACKFILL REQUIREMENTS.

WELDING : WELDING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (STRUCTURAL WELDING CODE D1.1-86) AND SHALL BE PERFORMED BY CERTIFIED WELDERS ONLY. ALL WELDS TO BE 3/16" FILLETS MINIMUM 2" LONG UNLESS DESIGNATED IN PLANS OR SECTIONS. ALL EXPOSED WELDS TO BE GROUND SMOOTH FOR FINISHED ARCHITECTURAL APPEARANCE.

SLEEVEING : SLEEVE FOOTING WHERE CONFLICT BETWEEN SEWER PIPES 4" OR LESS. FOR PIPES OVER 4" LOWER FOOTINGS AS REQUIRED.

SUMP PUMPS : ARE TO BE PROVIDED DURING CONSTRUCTION AS REQUIRED BY FIELD CONDITIONS. THE SIZE AND LOCATION OF THE SUMP PUMPS ARE TO BE DETERMINED IN THE FIELD BASED ON THE AMOUNT OF WATER ENCOUNTERED DURING CONSTRUCTION. FOR PERMANENT DRAINAGE, SEE ARCHITECTURAL, AND PLUMBING DRAWINGS.

FOOTINGS : UNLESS OTHERWISE NOTED, FOOTING SHALL BE MINIMUM OF 1'-0" INTO ORIGINAL UNDISTURBED SOIL OR ON CONTROLLED FILL AND A MINIMUM OF 2'-6" BELOW FINISHED GRADE. WHERE REQUIRED, STEP FOOTING TO RATIO OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL. PROVIDE CONTINUOUS CONCRETE WALL FOOTING FOR ALL WALLS 8" THICK OR OVER. WALL FOOTING TO BE 1'-0" DEEP WITH 4" PROJECTION ON EACH SIDE UNLESS OTHERWISE NOTED. FOOTING ELEVATIONS ARE TO TOP OF FOOTING. FOOTING HAVE TO SIZE FOR ALLOWABLE SOIL BEARING CAPABILITY OF 3000 p.s.f. WHERE REQUIRED, LOWER FOOTING TO ACHIEVE DESIGNATED SOIL BEARING PRESSURE OR USE CONTROLLED FILL.

ARCHITECTS

RAOUL LISSABET A.I.A.
 ARCHITECTS / PLANNERS / DESIGN - BUILD

19021 SEDLEY TERRACE
 GAITHERSBURG, MARYLAND 20879
 Tel: (301) 948-3197 / Fax: (301) 990-4169

Copyright RAOUL LISSABET A.I.A. 2009

Issue Date:

Revisions	
No.	Description
1	
2	

PERMIT SET
 OCT. 15, 2009

TROPICANA LAUNDROMAT
 LAUNDROMAT FIT-UP PLANS
 8010 FENTON STREET
 SILVER SPRING MD, 20910

Project Number: _____ Drawn By: _____
 Designed By: _____ Checked By: _____

Sheet Title:
**STRUCTURAL
 DETAILS/NOTES**

Sheet Number:
S-3