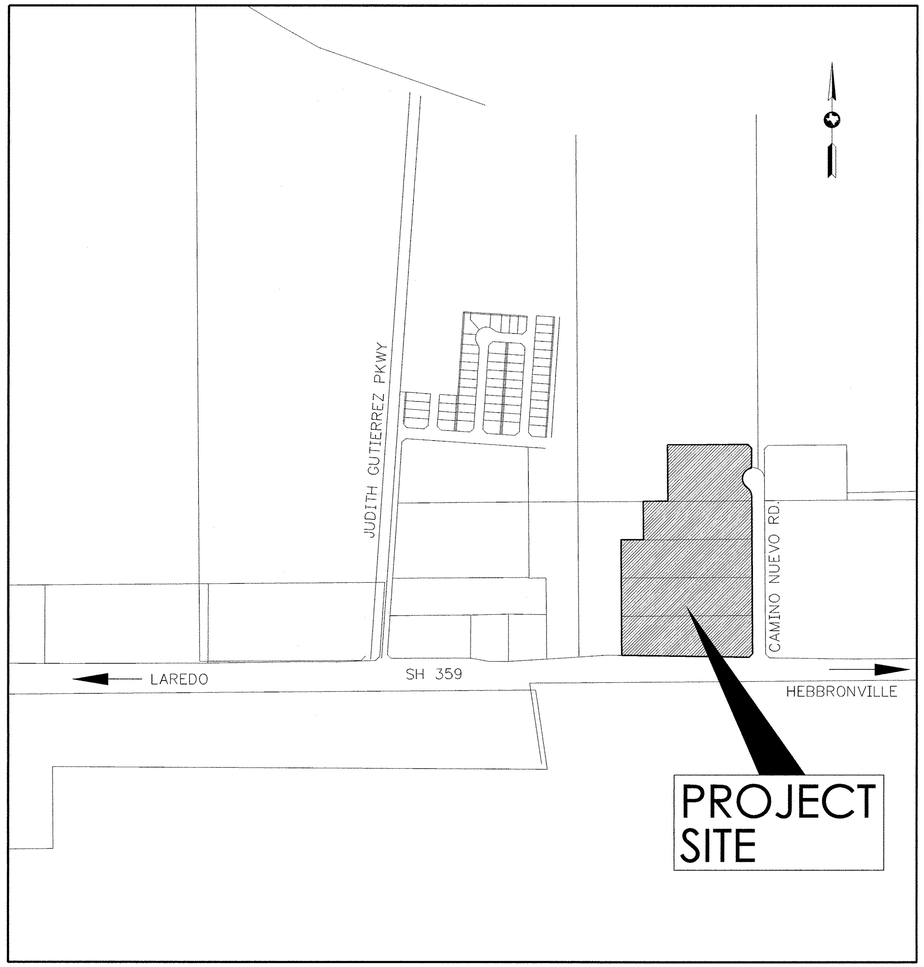
JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO ROAD
LAREDO TEXAS, 78043
LAS BLANCAS SUBDIVISION, UNIT 2
LOTS 1A - 5A, BLOCK 2

CONSTRUCTION PLANS



N.T.S.

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STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

2/11/15

DO-RITE INSPECTION SERVICES
TBPE FIRM REG. NO. F-5253

1241 Whisper Hill
Laredo, Texas 78045
(956) 286-2496 Phone

FEBRUARY, 2015

* Sheets Revised
April 12, 2015

NOTICE TO CONTRACTOR:

1. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, CONDUITS OR STRUCTURES WHETHER OR NOT SHOWN ON THESE PLANS AND BY ACCEPTING AND UTILIZING THESE PLANS, ASSUMES ALL RESPONSIBILITY FOR THE PROTECTION AND/OR ANY DAMAGE TO SAID FACILITIES.

2. CONTRACTOR SHALL CONTACT TEXAS ONE CALL FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION (1-800-545-6005)

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SITE IMPROVEMENT GENERAL NOTES:

1. CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF DISCREPANCIES EXIST BETWEEN THE PLANS AND FIELD.

2. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND EASEMENTS SHALL CONFORM TO THE CITY OF LAREDO ENGINEERING REGULATIONS, CONSTRUCTION SPECIFICATIONS AND DESIGN STANDARDS.

3. PERMIT IS REQUIRED FOR ALL WORK IN THE PUBLIC RIGHT-OF-WAY. IN ADDITION, ANY WORK PERFORMED WITHIN STATE RIGHTS-OF-WAY WILL REQUIRE A STATE PERMIT.

5. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR 24 HOURS PRIOR TO STARTING WORK AND 24 HOURS PRIOR TO EACH DESIRED AND REQUIRED INSPECTION.

6. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND INCLUDES TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

7. IT SHALL BE THE RESPONSIBILITY OF THE OWNER DURING CONSTRUCTION ACTIVITIES TO RESOLVE CONSTRUCTION PROBLEMS DUE TO CHANGED CONDITIONS OR DESIGN ERRORS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE WORK. IF, IN THE OPINION OF THE CITY'S INSPECTOR, THE MODIFICATIONS PROPOSED BY THE DEVELOPER TO THE APPROVED PLANS INVOLVE SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK, THE DEVELOPER SHALL BE RESPONSIBLE TO REVISE PLANS AND SUBMIT THEM TO THE CITY FOR APPROVAL PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE WORK.

8. ADJUST RIMS OF ALL CLEANOUTS, MANHOLES AND VALVE COVERS TO FINISHED GRADE PRIOR TO FINAL GRADE.

9. PRIOR TO FINAL PLACEMENT OF SURFACE PAVEMENT, ALL UNDERGROUND UTILITY FACILITIES AND SITE ILLUMINATION SHALL BE INSTALLED AND SERVICE CONNECTIONS STUBBED OUT BEYOND CURB LINE. SERVICE FROM PUBLIC UTILITIES

CLEARING AND GRUBBING:

SITE PREPARATION FOR THE ENTIRE AREA SHOULD CONSIST INITIALLY OF CLEARING AND GRUBBING. THIS WORK SHALL CONSIST OF CUTTING, REMOVING FROM THE GROUND AND PROPERLY DISPOSING TREES, STUMPS, BRUSH, ROOTS, WEEDS, CONSTRUCTION DEBRIS AND TRASH AND OTHER MATERIALS THAT WILL INTERFERE WITH THE WORK OR ARE CONSIDERED OBJECTIONABLE.
REMOVAL OF TREES AND SHRUBS SHALL INCLUDE THE REMOVAL OF STUMPS AND ROOTS GREATER THAN 3" IN DIAMETER. GRUBBING SHALL INCLUDE REMOVAL OF STUMPS AND 3" ROOTS TO 2' BELOW FINISHED GRADE ELEVATIONS. BURNING IS NOT PERMITTED ON THE SUBJECT PROPERTY AND ALL WASTE MATERIAL AND UNSUITABLE MATERIALS SHOULD BE DISPOSED OF LEGALLY.

GEOTECHNICAL:

REFER TO GEOTECHNICAL REPORT BY O'CONNOR ENGINEERING & CIENCE INC. DATED JANUARY 23, 2015 (PROJECT No. 0ES-OES—G199001-01), FOR SOIL BORING INFORMATION.

CONCRETE PAVING (PARKING LOT) :

CONCRETE THICKNESS – 5.5" @ 3,000 PSI W/6X6 in. W2.0 BY W2.0 WIRE MATS.
SLUMP – 5" MAX.

MOISTURE CONDITIONED SUBGRADE – 6" DEPTH BY WATERING AND RE-COMPACTING THE SOILS TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR (ASTM D-698) OR TxDOT METHOD TEX 114-E.

CONCRETE PAVING (DRIVEWAYS):

CONCRETE THICKNESS – 7" @ 3,500 PSI W/#4 BAR @ 12" O.C.E.W. GRADE 60.

SITE PREPARATION FOR BUILDING AREA:

THE SOIL COMPACTION FOR THE EXPOSED SUBGRADE AND OVER-EXCAVATED SOILS SHOULD BE COMPACTED IN LIFTS NOT TO EXCEED 6" IN THICKNESS AND NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH STANDARD PROCTOR (ASTM D-698) AT ± 2% OF OPTIMUM MOISTURE CONTENT. ANY MATERIAL LIFTS NOT MEETING THE REQUIRED COMPACTION SPECIFICATION MUST BE REWORKED AND COMPACTED UNTIL THE SPECIFIED DENSITY IS ACHIEVED.

SELECT FILL MATERIAL WILL BE REQUIRED TO ACCOMPLISH THE FINISH GRADE ELEVATIONS AS DETERMINED IN THE CIVIL PLANS AS FOLLOWS:
THE SOIL COMPACTION FOR THE SELECT FILL IN 8" LIFTS SHOULD NOT BE LESS THAN 95% (FOR PROPOSED PARKING LOT, DRIVEWAYS AND FOUNDATION PADS) AND 90% (FOR REMAINING SITE) OF MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH STANDARD PROCTOR (ASTM D-698) AT ± 2% OF OPTIMUM MOISTURE CONTENT. ANY FILL MATERIAL LIFTS NOT MEETING THE REQUIRED COMPACTION SPECIFICATION MUST BE REWORKED AND COMPACTED UNTIL THE SPECIFIED DENSITY IS ACHIEVED. FILL MATERIALS SHALL BE PLACED IN HORIZONTAL LAYERS. SUCCESSIVE LOADS OF MATERIAL SHALL BE DUMPED SO AS TO SECURE EVEN DISTRIBUTION AVOIDING THE FORMATION OF LAYERS OR LENSES OF DISSIMILAR MATERIALS. THE CONTRACTOR SHALL ROUTE HIS HAULING EQUIPMENT TO DISTRIBUTE TRAVEL EVENLY OVER THE FILL AREA.

SELECT FILL NEEDED FOR THE FOUNDATION PADS SHOULD BE LOW PLASTICITY SANDY LEAN CLAY, CLAYEY SAND, OR GRANULAR BASE MATERIAL (7≤PI≤18).

THE FOUNDATION PAD SHOULD BE CONSTRUCTED TO THE SPECIFIED FINAL PAD ELEVATION USING THIS METHOD. CUT AREAS WITHIN THE PAD AREA SHOULD BE SCARIFIED AND COMPACTED TO THE SAME MINIMUM REQUIREMENTS AS THE FILLED AREAS.

UTILIZATION OF EXISTING IMPORTED SOILS:

THE EXISTING STOCKPILE MATERIAL SHOULD BE TESTED FOR ATTERBERG LIMITS (LL, PI AND PL) TO DETERMINE USABILITY. IT IS RECOMMENDED TO REMOVE THE ORGANICS AND CONSTRUCTION DEBRIS AND TRASH PRIOR TO CREATING ONE COMPOSITE STOCKPILE. CARE SHALL BE TAKEN DURING THIS PROCESS AS TO INSURE PROPER REMOVAL OF ORGANICS AND CONSTRUCTION DEBRIS AND TRASH. SEVERAL ATTERBERG LIMIT TESTS MAY BE REQUIRED TO ESTABLISH QUALITY CONTROL.

IN GENERAL, THE IMPORTED SOILS TO BE CONSIDERED AS SUITABLE FILL MATERIAL SHALL BE CLASSIFIED AS SANDY LEAN CLAY SOILS WITH A LIQUID LIMIT OF LESS THAN 35 AND THE PLASTICITY INDEX RANGING FROM 7 TO 15. THE FILL SHALL CONTAIN NO ORGANIC OR OTHER PERISHABLE MATERIAL, AND NO STONES LARGER THAN SIX (6) INCHES IF SOILS ARE DEEMED UNSUITABLE FOR FILL, THE SOILS MAY BE CONSIDERED FOR LANDSCAPING AREAS.

GRADING GENERAL NOTES:

1. CONTOUR GRADING PLAN IS FOR ROUGH GRADING ONLY. CHANGES MAY BE NECESSARY TO BRING PLAN IN TO CONFORMANCE WITH FINAL SPOT ELEVATION DRAINAGE PLAN.

2. WATER TRUCK WILL BE PROVIDED TO KEEP WIND EROSION IN CHECK.

3. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE PROPERTY LIMITS DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR.

4. NO GRADING SHALL TAKE PLACE IN DELINEATED FLOOD HAZARD AREAS UNTIL ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

5. ANY CONSTRUCTION DEBRIS OR MUD TRACKING IN THE PUBLIC RIGHT-OF-WAY RESULTING FROM THIS DEVELOPMENT SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL IMMEDIATELY FIX ANY EXCAVATIONS OR EXCESSIVE PAVEMENT FAILURES CAUSED BY THE DEVELOPMENT AND SHALL PROPERLY BARRICADE THE SITE UNTIL CONSTRUCTION IS COMPLETE. FAILURE BY THE CONTRACTOR TO CORRECT ANY OF THE ABOVE WITHIN 48 HOURS OF WRITTEN NOTICE BY THE CITY SHALL CAUSE THE CITY TO ISSUE A STOP WORK ORDER.

6. PUBLIC R.O.W. AREAS BEING DISTURBED BY THE GRADING SHALL BE RESEEDED WITH NATIVE VEGETATION OR AS APPROVED BY THE CITY OR DEVELOPMENT PLAN.

7. CONTRACTOR SHALL VERIFY ELEVATIONS TO ENSURE PROPER DRAINAGE.

DO-RITE
INSPECTION
SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

2/11/15

GENERAL NOTES

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	GEN_NOTES.dgn
SHEET	2

$DATE$
$FILE$

SCALE: 1"=50'

FOUND IRON ROAD
X=711304.03
Y=17066487.13
ELEV=571.34

FOUND IRON ROAD
X=711302.44
Y=17066696.05
ELEV=572.12

20' ACCESS AND UTILITY EASEMENT

20' BUILDING SET BACK

30' ACCESS AND UTILITY EASEMENT

50' DRAINAGE EASEMENT AND BUILDING SET BACK

20' ACCESS AND UTILITY EASEMENT

50' DRAINAGE EASEMENT AND BUILDING SET BACK

30' GAS EASEMENT

25' BUILDING SET BACK

GATE

50' X 50' U.E.

STATE HWY 359

EXISTING CONCRETE RIPRAP W/DISSIPATORS

EXISTING CONCRETE CHANNEL

FOUND IRON ROD
X=712003.30
Y=17066264.22
ELEV=580.49

25' BUILDING SET BACK

FOUND IRON ROD
X=712016.7400
Y=17067118.9880
ELEV=580.82

25' BUILDING SET BACK

EXISTING CURB INLET

CAMINO NUEVO ROAD

EXISTING CONCRETE HEAD WALL

EXISTING CURB INLET

FOUND IRON ROD
X=712086.90
Y=17067119.52
ELEV=581.45

$DATE$
$FILE$

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SURVEY CONTROL MAP

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 07 / 15
REVICED DATE:	
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	3

FIRE LANE LEGEND:

(11) PROPOSED 6" WIDE RED FIRE LANE
(FIRE LANE SHOULD READ "NO PARKING FIRE LANE" EVERY 15' WITH 4" WHITE LETTERS)

(12) PROPOSED CURB TO BE PAINTED RED (FIRE LANE)
(FIRE LANE SHOULD READ "NO PARKING FIRE LANE" EVERY 15' WITH 4" WHITE LETTERS)

(13) PROPOSED PAVEMENT NEXT TO THE BUILDING TO BE PAINTED RED (FIRE LANE)
(FIRE LANE SHOULD READ "NO PARKING FIRE LANE" EVERY 15' WITH 4" WHITE LETTERS)

TOTAL PARKING SPACES: 687 PARKING SPACES
HANDI CAP: 22 PARKING SPACES
STORAGE UNITS: 459 UNITS

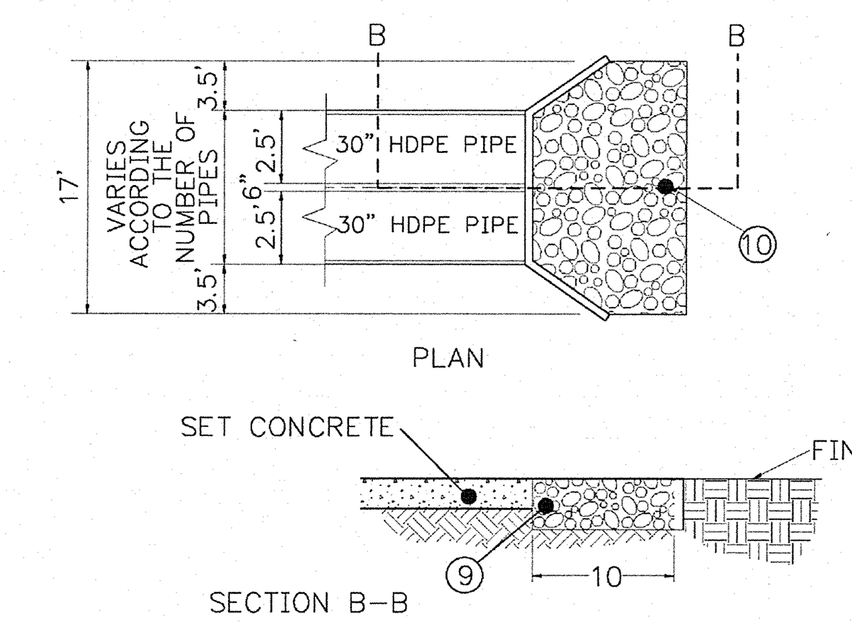
LEGEND:

(1) PROPOSED EXTENDED EXISTING 3'X8' CONC. BOX (40 LF) (SEE SHEET 18A AND 18B FOR DETAIL)
(2) PROPOSED 2' X 2' GRATE INLET (SEE SHEET 17 AND 18 FOR DETAIL)
(3) PROPOSED 3 - 36" HDPE STORM PIPE (387 LF @ 0.3 % SLOPE)
(4) PROPOSED 4 - 30" HDPE STORM PIPE (39 LF @ 1 % SLOPE)
(5) EXISTING 3' X 5' BOX CULVERT
(6) PROPOSED 12" HDPE PIPE
(7) PROPOSED 18" HDPE PIPE
(8) PROPOSED BOLLARD (SEE SHEET 5 FOR DETAIL)
(9) ROCK OUTLET PROTECTION (190 SF) (SEE DETAIL "B" ON THIS SHEET)

SCALE: 1"=50'

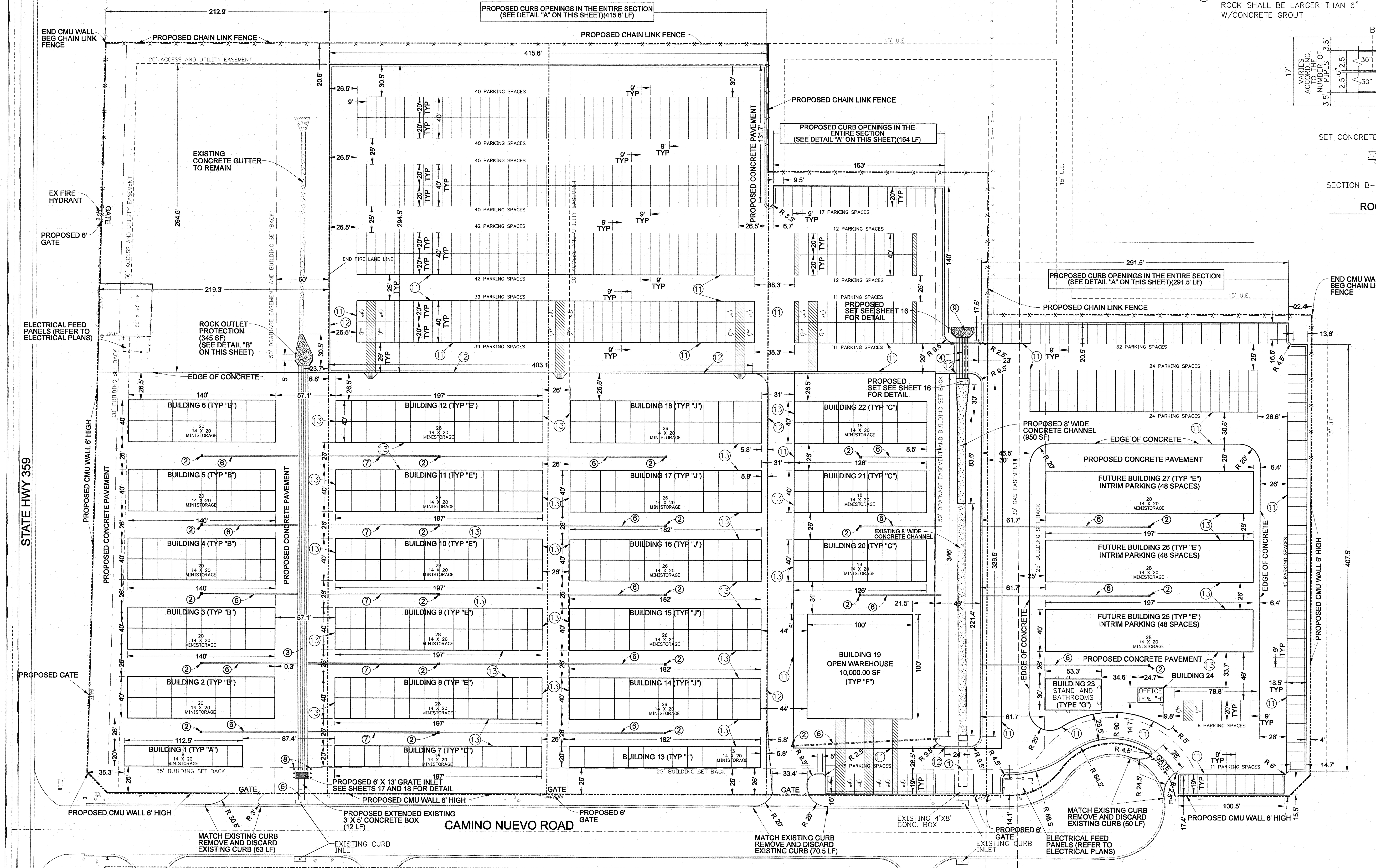
LEGEND:

(10) SOUND, DURABLE, ANGULAR ROCK
ROCK SHALL BE LARGER THAN 6"
W/CONCRETE GROUT

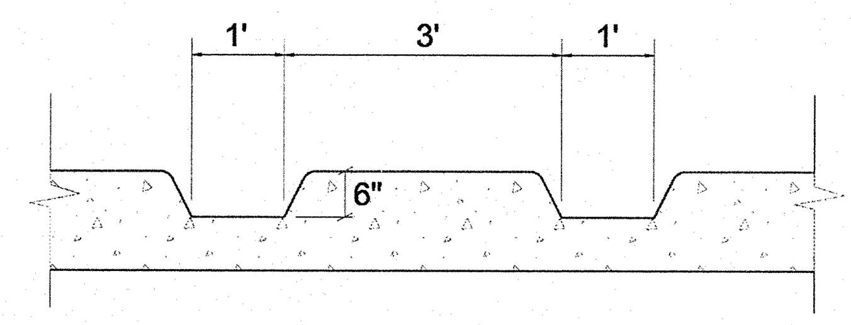


ROCK OUTLET DETAIL

DETAIL "B" NTS



STATE HWY 359
CAMINO NUEVO ROAD
PROPOSED CURB OPENINGS IN THE ENTIRE SECTION (SEE DETAIL "A" ON THIS SHEET)(415.6' LF)
PROPOSED CURB OPENINGS IN THE ENTIRE SECTION (SEE DETAIL "A" ON THIS SHEET)(164 LF)
PROPOSED CURB OPENINGS IN THE ENTIRE SECTION (SEE DETAIL "A" ON THIS SHEET)(291.5' LF)
END CMU WALL BEG CHAIN LINK FENCE
PROPOSED CHAIN LINK FENCE
20' ACCESS AND UTILITY EASEMENT
30' ACCESS AND UTILITY EASEMENT
EXISTING CONCRETE GUTTER TO REMAIN
EX FIRE HYDRANT
PROPOSED 6' GATE
ELECTRICAL FEED PANELS (REFER TO ELECTRICAL PLANS)
ROCK OUTLET PROTECTION (345 SF) (SEE DETAIL "B" ON THIS SHEET)
50' DRAINAGE EASEMENT AND BUILDING SET BACK
END FIRE LANE LINE
EDGE OF CONCRETE
PROPOSED CMU WALL 6' HIGH
PROPOSED CONCRETE PAVEMENT
PROPOSED GATE
40 PARKING SPACES
42 PARKING SPACES
39 PARKING SPACES
17 PARKING SPACES
12 PARKING SPACES
11 PARKING SPACES
32 PARKING SPACES
24 PARKING SPACES
45 PARKING SPACES
16 PARKING SPACES
6 PARKING SPACES
11 PARKING SPACES
PROPOSED SET SEE SHEET 16 FOR DETAIL
BUILDING 6 (TYP "B")
BUILDING 5 (TYP "B")
BUILDING 4 (TYP "B")
BUILDING 3 (TYP "B")
BUILDING 2 (TYP "B")
BUILDING 1 (TYP "A")
BUILDING 12 (TYP "E")
BUILDING 11 (TYP "E")
BUILDING 10 (TYP "E")
BUILDING 9 (TYP "E")
BUILDING 8 (TYP "E")
BUILDING 7 (TYP "D")
BUILDING 18 (TYP "J")
BUILDING 17 (TYP "J")
BUILDING 16 (TYP "J")
BUILDING 15 (TYP "J")
BUILDING 14 (TYP "J")
BUILDING 13 (TYP "I")
BUILDING 22 (TYP "C")
BUILDING 21 (TYP "C")
BUILDING 20 (TYP "C")
BUILDING 19 OPEN WAREHOUSE 10,000.00 SF (TYP "F")
14 X 20 MINISTORAGE
25' BUILDING SET BACK
PROPOSED 8' WIDE CONCRETE CHANNEL (950 SF)
EXISTING 8' WIDE CONCRETE CHANNEL
30' GAS EASEMENT
15' U.E.
FUTURE BUILDING 27 (TYP "E") INTRIM PARKING (48 SPACES)
FUTURE BUILDING 26 (TYP "E") INTRIM PARKING (48 SPACES)
FUTURE BUILDING 25 (TYP "E") INTRIM PARKING (48 SPACES)
BUILDING 23 STAND AND BATHROOMS (TYPE "G")
BUILDING 24
OFFICE TYPE "H"
PROPOSED 6' X 13' GRATE INLET SEE SHEETS 17 AND 18 FOR DETAIL
PROPOSED EXTENDED EXISTING 3' X 5' CONCRETE BOX (12 LF)
MATCH EXISTING CURB REMOVE AND DISCARD EXISTING CURB (53 LF)
MATCH EXISTING CURB REMOVE AND DISCARD EXISTING CURB (70.5 LF)
MATCH EXISTING CURB REMOVE AND DISCARD EXISTING CURB (50 LF)
EXISTING CURB INLET
EXISTING 4'X8' CONC. BOX
GATE



CURB OPENING DETAIL (TYP)

DETAIL "A" NTS

DO-RITE INSPECTION SERVICES

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LAREDO, TEXAS, 78043

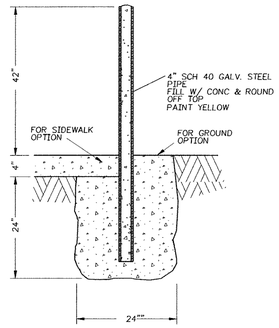
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

RR
4/16/15

SITE PLAN

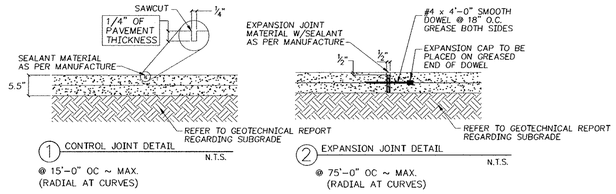
DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 14 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	4

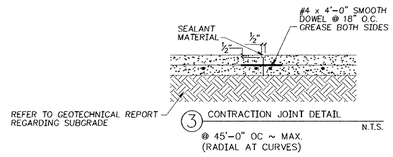
$DATE$
$FILE$



BOLLARD DETAIL

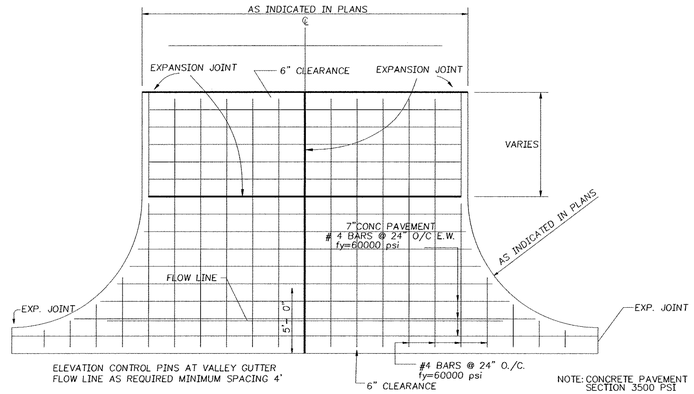
N.T.S.





CONCRETE JOINT DETAIL

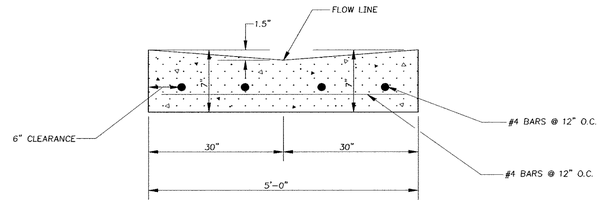
N.T.S.



CONCRETE DRIVEWAY

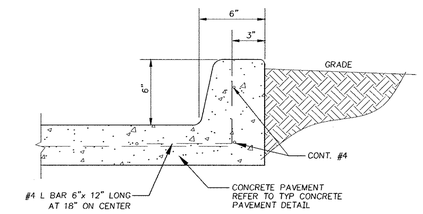
TO BE CONSTRUCTED WITH CONTINUOUS POUR AFTER MOISTURE CONDITIONED SUBGRADE IS IN PLACE

N.T.S.



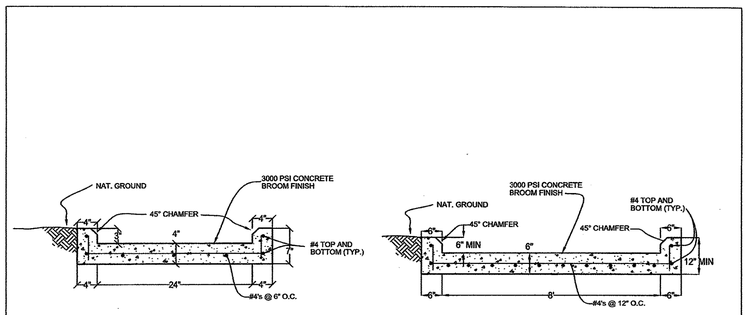
DETAIL OF 5' CONC VALLEY GUTTER

N.T.S.

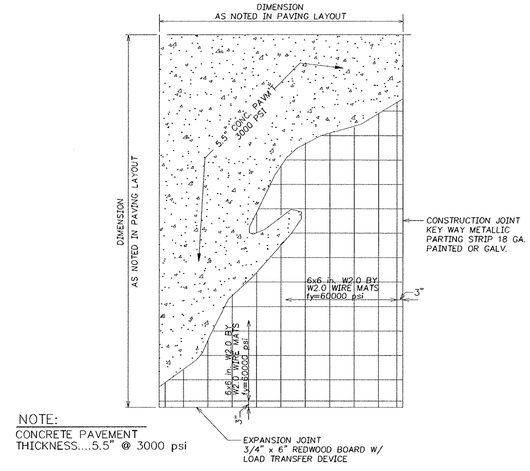


TYP. MONOLITHIC CONCRETE CURB

CURB STYLE TO MATCH CITY STD. REQMTS. N.T.S.



312-8	CITY OF LAREDO STADARD TECHNICAL SPECIFICATION	2' CONCRETE CHANNEL 8' CONCRETE PILOT CHANNEL	DETAIL NO. 312-8



TYPICAL CONCRETE PAVEMENT SECTION

N.T.S.

DO-RITE INSPECTION SERVICES

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LAREDO, TX 78045
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TBPE FIRM REGISTRATION NO. 5353

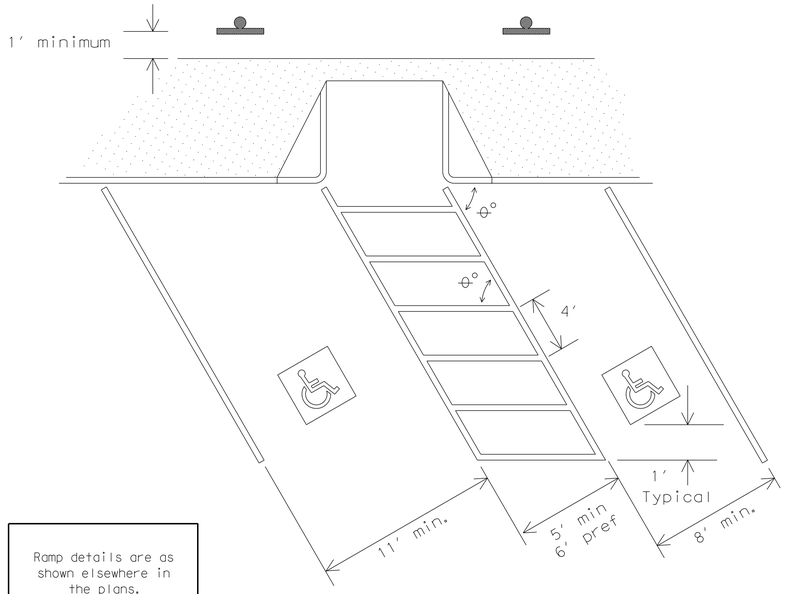
JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

PAVEMENT DETAILS

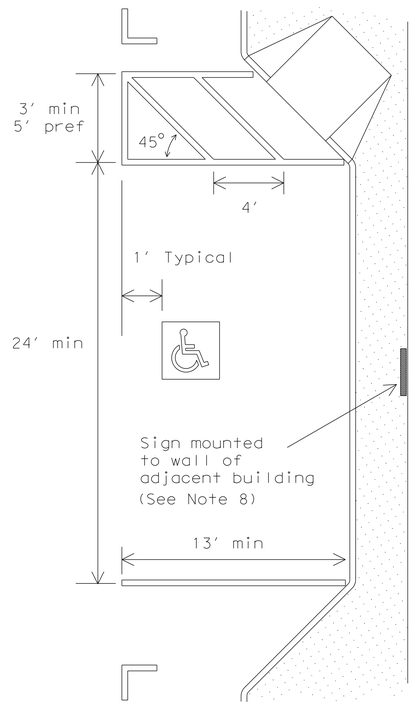
DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	5

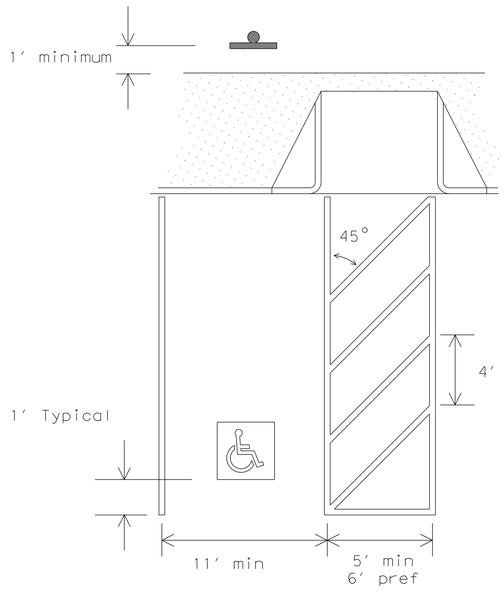
$DATE$
$FILE$

TYPICAL ACCESSIBLE PARKING SPACE DIMENSIONS

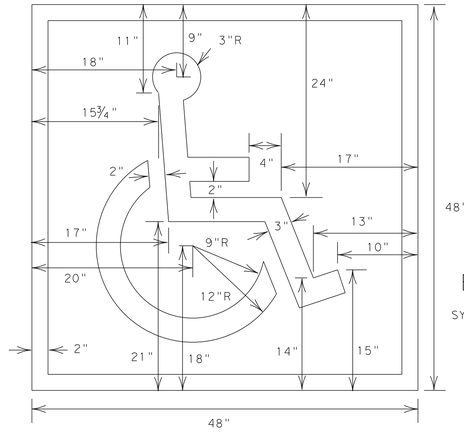


Ramp details are as shown elsewhere in the plans.



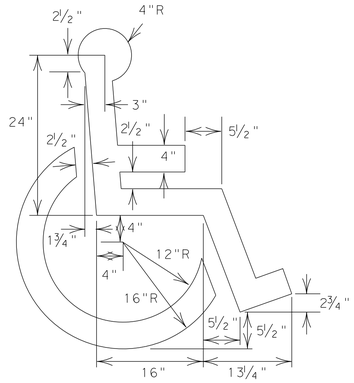


PAVEMENT MARKINGS



With Background

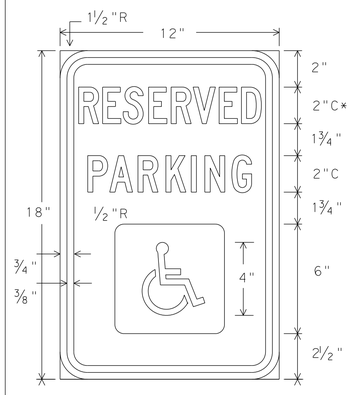
SYMBOL & BORDER: WHITE
BACKGROUND: BLUE



Symbol Only

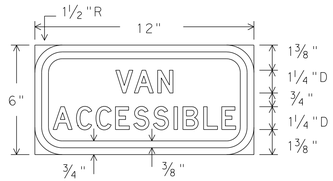
SYMBOL: BLUE OR WHITE

HANDICAPPED PARKING SIGN



R7-8a

LEGEND AND BORDER: GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND: WHITE



R7-8 plaque

LEGEND AND BORDER: GREEN
BACKGROUND: WHITE

SPECIFICATION REFERENCE TABLE	
MATERIALS AND TESTS DIVISION SPECIFICATIONS	
ALUMINUM SIGN BLANKS	D-9-7110
REFLECTIVE SHEETING, TYPE C (HIGH SPECIFIC INTENSITY)	D-9-8300

GENERAL SIGN NOTES:

The Alphabets and lateral spacing between letters and numerals shall conform with the Texas "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition, and any approved changes thereto. Lateral spacing of text shall provide a balanced appearance. All materials shall conform to Department Specifications.

Legend shall be applied by screening process of black and/or transparent colored ink, cut-out black vinyl non-reflective decal sheeting and/or reflective sheeting or combination thereof. Background shall be white reflective sheeting (Type C).

Sign blanks shall be one piece 0.08 inch thick sheet aluminum alloy (Type A). unless otherwise noted elsewhere in the plans.

GENERAL NOTES:

1. All parking space limit lines shall be 4" solid white lines.
2. Aisle markings shown are examples only. Other methods to indicate a NO PARKING area are acceptable. Aisle markings shall be white.
3. Dimensions of limit lines, aisle markings, and symbol (with or without background) may vary + 10%.
4. Pavement marking symbols (with background):
   a) are REQUIRED unless stated elsewhere in the plans,
   b) should be placed toward the far end of the parking spaces so as to be visible to motorists in the travel lane,
   c) may be painted or prefabricated material, and
   d) shall be 30" x 30" minimum.
5. With approval of the Engineer, prefabricated pavement marking symbols with background of other dimensions exceeding the 30" x 30" minimum may be used. Alternative designs shall include a proportion sized symbol of accessibility, and shall conform to the illustrated colors for background, symbol and border.
6. An R7-8 sign:
   a) shall be REQUIRED for each accessible parking space,
   b) shall NOT be placed between two accessible parking spaces,
   c) shall NOT be placed in a location that restricts movement of wheelchairs within the adjacent sidewalk, and
   d) shall have a minimum mounting height of 7 feet. If mounted to wall or located so as not to be near pedestrian traffic minimum mounting height may be 7 feet.
7. Post mounted signs should be placed approximately 1 foot (or greater) behind the curb to prevent damage from vehicle overhang.
8. Signs may be mounted directly to an adjacent wall of a building when post mounting is impractical.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

PAVEMENT MARKINGS AND SIGNING FOR ACCESSIBLE PARKING

PM(AP)-98

DN: LR/MT	CK: -	DW: DN	CK: -	NEG NO.:

REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
4-98		6		8
	COUNTY	CONTROL	SECTION	JOB	HIGHWAY

SCALE: 1"=50'

LEGEND:

- 573.0 EXISTING CONTOURS (1' INTERVAL)
- 570.0 PROPOSED MAJOR CONTOURS (5' INTERVAL)
- 571.0 PROPOSED MINOR CONTOURS (1' INTERVAL)

STATE HWY 359

CAMINO NUEVO ROAD

GATE

BUILDING 6 (TYP "B") FF=577.00 / FF=577.50 — 20 14 X 20 MINISTORAGE

BUILDING 12 (TYP "E") — 28 14 X 20 MINISTORAGE

BUILDING 18 (TYP "J") FF=577.00 / FF=577.50 — 28 14 X 20 MINISTORAGE

BUILDING 22 (TYP "C") FF=577.00 / FF=577.50 — 18 14 X 20 MINISTORAGE

BUILDING 5 (TYP "B") FF=577.50 / FF=578.00 — 20 14 X 20 MINISTORAGE

BUILDING 11 (TYP "E") FF=577.50 / FF=578.00 — 28 14 X 20 MINISTORAGE

BUILDING 17 (TYP "J") FF=577.50 / FF=578.00 — 28 14 X 20 MINISTORAGE

BUILDING 21 (TYP "C") FF=577.50 / FF=578.00 — 18 14 X 20 MINISTORAGE

BUILDING 4 (TYP "B") FF=578.00 / FF=578.50 — 20 14 X 20 MINISTORAGE

BUILDING 10 (TYP "E") FF=578.00 / FF=578.50 — 28 14 X 20 MINISTORAGE

BUILDING 16 (TYP "J") FF=578.00 / FF=578.50 — 28 14 X 20 MINISTORAGE

BUILDING 20 (TYP "C") FF=578.00 / FF=578.50 — 18 14 X 20 MINISTORAGE

BUILDING 3 (TYP "B") FF=578.50 / FF=579.00 — 20 14 X 20 MINISTORAGE

BUILDING 9 (TYP "E") FF=578.50 / FF=579.00 — 28 14 X 20 MINISTORAGE

BUILDING 15 (TYP "J") FF=578.50 / FF=579.00 — 28 14 X 20 MINISTORAGE

BUILDING 2 (TYP "B") FF=579.00 / FF=579.50 — 20 14 X 20 MINISTORAGE

BUILDING 8 (TYP "E") FF=579.00 / FF=579.50 — 28 14 X 20 MINISTORAGE

BUILDING 14 (TYP "J") FF=579.00 / FF=579.50 — 28 14 X 20 MINISTORAGE

BUILDING 1 (TYP "A") FF=579.50

BUILDING 7 (TYP "D") FF=579.50

BUILDING 13 (TYP "I") FF=579.50 — 13 14 X 20 MINISTORAGE

FF=579.00
BUILDING 19
OPEN WAREHOUSE
10,000.00 SF
(TYP "F")

BUILDING 23
STAND AND BATHROOMS
(TYPE "G")
FF=580.00

OFFICE TYPE "H" FF=580.50

FUTURE BUILDING 27 (TYP "E") FF=578.50 / FF=579.00 — 28 14 X 20 MINISTORAGE

FUTURE BUILDING 26 (TYP "E") FF=579.00 / FF=579.50 — 28 14 X 20 MINISTORAGE

FUTURE BUILDING 25 (TYP "E") FF=579.50 / FF=580.00 — 28 14 X 20 MINISTORAGE

40 PARKING SPACES
42 PARKING SPACES
39 PARKING SPACES
17 PARKING SPACES
12 PARKING SPACES
11 PARKING SPACES
32 PARKING SPACES
24 PARKING SPACES
6 PARKING SPACES
11 PARKING SPACES

EXISTING CURB INLET

EXISTING CONCRETE HEAD WALL

EXISTING CURB INLET

$DATE$
$FILE$

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

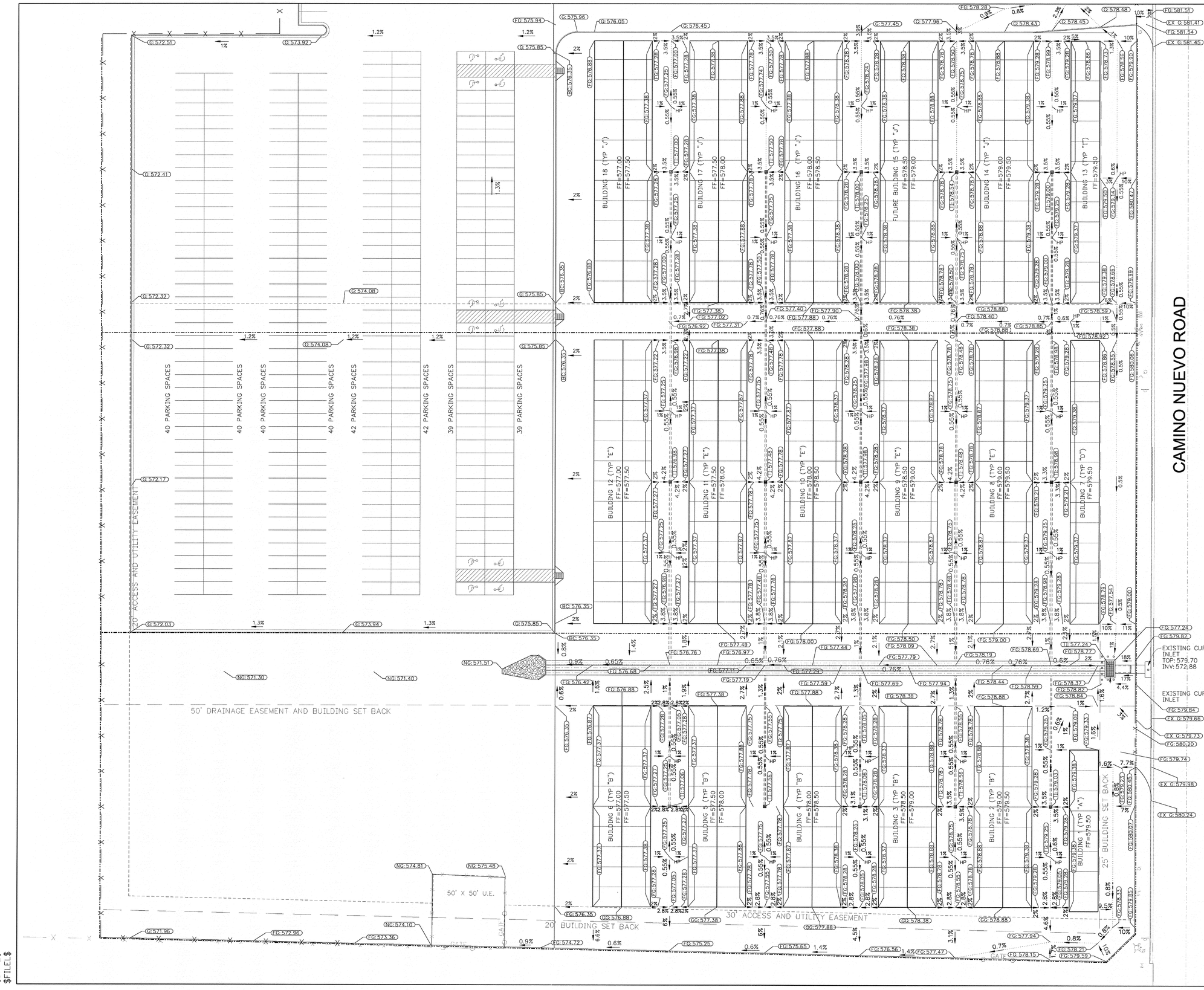
JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS — RICARDO RAMOS — 87027 — LICENSED PROFESSIONAL ENGINEER

4/16/15

GRADING PLAN (CONTOURS)

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	9



LEGEND:

BC:	BACK OF CURB ELEVATION
G:	GUTTER ELEVATION
FG:	FINISH GRADE ELEVATION
NG:	NATURAL GROUND ELEVATION
TI:	TOP OF GRATE INLET
HP:	HIGH POINT

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

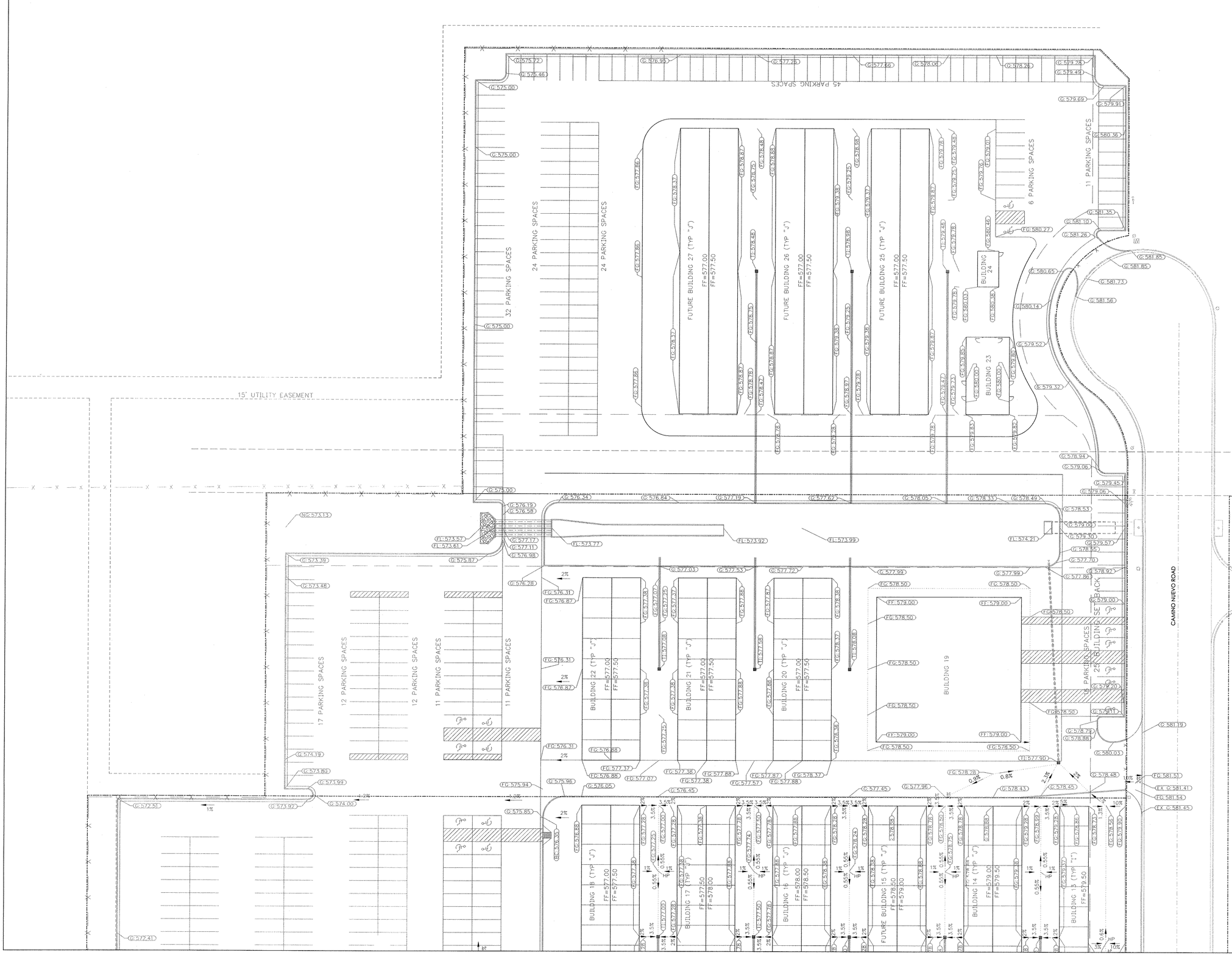
RR

4/16/15

GRADING PLAN (SPOT ELEVATIONS)

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	10

$DATE$
$FILE$



SCALE: 1"=30'

LEGEND:

BC: BACK OF CURB ELEVATION
G: GUTTER ELEVATION
FG: FINISH GRADE ELEVATION
NG: NATURAL GROUND ELEVATION
TI: TOP OF GRATE INLET
HP: HIGH POINT

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/12/15

GRADING PLAN (SPOT ELEVATIONS)

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	11

$DATE$
$FILE$

SCALE: 1"=50'

EX SANITARY SEWER MANHOLE TOP: 572.37 X=711314.92 Y=17066296.77

EX SANITARY SEWER SERVICE AS PER CITY OF LAREDO AS-BUILTS X=711331.01 Y=17066318.40

EX 8" DIA. SANITARY SEWER LINE

EX SANITARY SEWER SERVICE AS PER CITY OF LAREDO AS-BUILTS X=711309.13 Y=17066741.16

EX SANITARY SEWER SERVICE AS PER CITY OF LAREDO AS-BUILTS X=711556.49 Y=17067200.14

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

EX POWER POLE

STATE HWY 359

20' ACCESS AND UTILITY EASEMENT

30' ACCESS AND UTILITY EASEMENT

50' DRAINAGE EASEMENT AND BUILDING SET BACK

30' GAS EASEMENT

25' BUILDING SET BACK

40 PARKING SPACES
40 PARKING SPACES
40 PARKING SPACES
42 PARKING SPACES
42 PARKING SPACES
39 PARKING SPACES
39 PARKING SPACES

17 PARKING SPACES
12 PARKING SPACES
12 PARKING SPACES
11 PARKING SPACES
11 PARKING SPACES

32 PARKING SPACES
24 PARKING SPACES
24 PARKING SPACES

45 PARKING SPACES

50' X 50' M.E.

PROPOSED FIRE HYDRANT ASSEMBLY (W/6" VALVE) X=711923.5998 Y=17068702.1410

PROPOSED 6" DIA. PVC C900 WATER LINE (400 LF)

PROPOSED 6" DIA GATE VALVE X=712010.7066 Y=17066711.3497

EXISTING FIRE HYDRANT X=712020.39 Y=17066702.38

EXISTING WATER VALVE X=712022.80 Y=17066706.52

EXISTING WATER METER X=712021.79 Y=17066714.59

EXISTING OVERHEAD ELECTRIC POWER LINE

EXISTING POWER POLE

EXISTING LIGHT POLE

6' X 13' GRATE INLET TOP: 577.24 INV: 572.86

PROPOSED Z X Z GRATE INLET
TOP:577.06 INV:575.06
12" DIA. HDPE PIPE (80.5 LF @ 2.5% SLOPE)

TOP:577.50 INV:575.50 — 12" DIA. HDPE PIPE (80.5 LF @ 2.6% SLOPE)

TOP:578.06 INV:576.06 — 12" DIA. HDPE PIPE (80.5 LF @ 3.3% SLOPE)

TOP:578.66 INV:576.66 — 12" DIA. HDPE PIPE (80.5 LF @ 3.7% SLOPE)

TOP:579.03 INV:577.03 — 12" DIA. HDPE PIPE (80.5 LF @ 4% SLOPE)

TOP:577.98 INV:573.98 — 18" DIA. HDPE PIPE (123 LF @ 1% SLOPE) — 12" DIA. HDPE PIPE (214 LF @ 1% SLOPE)

TOP:577.48 INV:573.78 — 18" DIA. HDPE PIPE (123 LF @ 0.9% SLOPE) — 12" DIA. HDPE PIPE (214 LF @ 1% SLOPE)

TOP:577.58 INV:573.86 — 18" DIA. HDPE PIPE (123 LF @ 0.9% SLOPE) — 12" DIA. HDPE PIPE (214 LF @ 1% SLOPE)

TOP:578.48 INV:574.36 — 18" DIA. HDPE PIPE (123 LF @ 1.2% SLOPE) — 12" DIA. HDPE PIPE (214 LF @ 1% SLOPE)

TOP:578.98 INV:574.66 — 18" DIA. HDPE PIPE (123 LF @ 1.5% SLOPE) — 12" DIA. HDPE PIPE (214 LF @ 1% SLOPE)

TOP:577.08 INV:575.48 — PIPE FL:574.72 — 12" DIA. HDPE PIPE (76 LF @ 1% SLOPE)

TOP:577.68 INV:575.98 — PIPE FL:575.22 — 12" DIA. HDPE PIPE (76 LF @ 1% SLOPE)

TOP:578.08 INV:576.48 — PIPE FL:575.72 — 12" DIA. HDPE PIPE (76 LF @ 1% SLOPE)

TOP:577.90 INV:576.30 — PIPE FL:574.91 — 12" DIA. HDPE PIPE (139 LF @ 1% SLOPE)

PIPE FL:575.59

PIPE FL:575.79

PIPE FL:576.29

FUTURE BUILDING 27 (TYP "E") INTRIM PARKING (48 SPACES)
PROPOSED Z X Z GRATE INLET TOP:578.78 INV:577.18
12" DIA. HDPE PIPE (159 LF @ 1% SLOPE)

FUTURE BUILDING 26 (TYP "E") INTRIM PARKING (48 SPACES)
PROPOSED Z X Z GRATE INLET TOP:578.98 INV:577.38
12" DIA. HDPE PIPE (159 LF @ 1% SLOPE)

FUTURE BUILDING 25 (TYP "E") INTRIM PARKING (48 SPACES)
PROPOSED Z X Z GRATE INLET TOP:579.48 INV:577.88
12" DIA. HDPE PIPE (159 LF @ 1% SLOPE)

PROPOSED CLEAN-OUT TOP:579.78

PROPOSED CLEAN-OUT TOP:578.96

6 PARKING SPACES

PROPOSED 2" DIA. PVC WATER LINE (122 LF)

11 PARKING SPACES

16 PARKING SPACES

EXISTING CONCRETE HEAD WALL

EXISTING CURB INLET

EX WATER VALVE X=712021.11 Y=17067121.81

EXISTING FIRE HYDRANT X=712016.83 Y=17067114.56

EXISTING 2" DIA WATER METER X=712020.82 Y=17067295.11

EX POWER POLE

EXISTING 8" DIA. SANITARY SEWER LINE

EXISTING 16" DIA. WATER LINE

EXISTING FIRE HYDRANT X=712023.86 Y=17066274.62

EXISTING WATER VALVE X=712027.75 Y=17066262.67

EXISTING WATER METER X=712025.52 Y=17066288.29

EX POWER POLE

EXISTING CURB INLET

EXISTING POWER POLE

EXISTING 12" DIA. WATER LINE

CAMINO NUEVO ROAD

PROPOSED 6" DIA. SANITARY SEWER SERVICE CONTRACTOR TO FIELD VERIFY SANITARY SEWER LINE LOCATION AND FLOW LINE ELEVATION BEFORE START CONSTRUCTION.

LEGEND:

1. PROPOSED 2" DIA. DOUBLE CHECK DETECTOR ASSEMBLY BACK FLOW PREVENTOR VALVE. (SEE SHEET 13 FOR DETAIL)
2. PROPOSED 2" DIA WATER SERVICE
3. PROPOSED 6" DIA. SANITARY SEWER SERVICE AND CLEAN-OUT (19 LF @ 2% SLOPE) TOP ELEV=580.04 INV ELEV=579.67 (TOP OF CLEAN-OUT TO FLUSH PROPOSED TOP OF CONCRETE)
4. PROPOSED 6" DIA. SANITARY SEWER SERVICE AND CLEAN-OUT (19 LF @ 2% SLOPE) TOP ELEV=580.17 INV ELEV=579.51 (TOP OF CLEAN-OUT TO FLUSH PROPOSED TOP OF CONCRETE)
5. PROPOSED 6" DIA. SANITARY SEWER SERVICE AND CLEAN-OUT (15 LF @ 2% SLOPE) TOP ELEV=579.81 INV ELEV=579.31 (TOP OF CLEAN-OUT TO FLUSH PROPOSED TOP OF CONCRETE)
6. PROPOSED 6" DIA.SANITARY SEWER LINE. (208 LF @ 0.6% SLOPE MIN.)
7. PROPOSED 12" X 12" X 6" TEE X=712023.4741 Y=17066711.4475

WATER NOTES TO CONTRACTOR:

1. ANY WATER AND SEWER LINES PARALLEL OR CROSSING EACH OTHER MUST MEET (TCEQ) REQUIREMENTS PERTAINING TO SEPARATION AND CLEARANCE.
2. ALL WATER FITTINGS SHALL BE MECHANICAL JOINTS MADE IN U.S.A.
3. ALL UNDERGROUND BOLTS AND NUTS SHALL BE 316 STAINLESS STEEL.
4. ALL PIPE JOINT RESTRAINT FITTINGS SHALL BE MADE IN U.S.A. AND BOLTS, NUTS AND RODS SHALL BE 316 STAINLESS STEEL.
5. ALL WATER PIPE UP TO 12" OF DIAMETER SHALL BE PVC, DR-14,C-900. FROM 16" TO 24" DIAMETER WATER PIPE SHALL BE PVC, DR18, C-905.
6. IF AN EXISTING WATER LINE IS REPLACED, ALL WATER SERVICES SHALL BE REPLACED FROM THE NEW LINE TO THE METER LOCATION. ALL WATER SERVICES TO BE TRANSFERRED TO THE NEW WATER LINE ONCE IT HAS PASSED THE PRESSURE TEST AND BACTERIOLOGICAL TEST.
7. ALL TIE-IN CONNECTIONS TO THE EXISTING MAINS SHALL BE DONE WITH RESTRAINT PIPE AND FITTINGS.

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

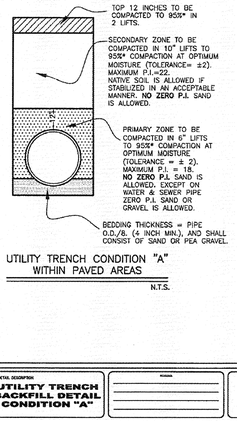
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/16/15

UTILITY LAYOUT

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	12

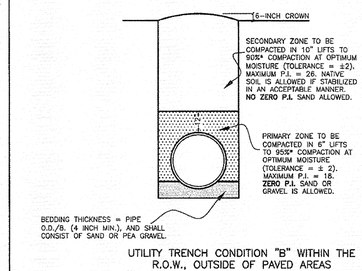
$DATE$
$FILE$



UTILITY TRENCH CONDITION "A" WITHIN PAVED AREAS

N.T.S.

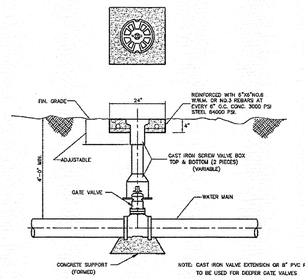
SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: UTILITY TRENCH BACKFILL DETAIL CONDITION "A"	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 102-1			



UTILITY TRENCH CONDITION "B" WITHIN THE R.O.W., OUTSIDE OF PAVED AREAS

N.T.S.

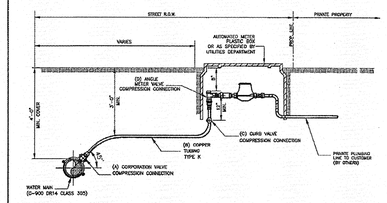
SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: UTILITY TRENCH BACKFILL DETAIL CONDITION "B"	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 102-2			



WATER VALVE DETAIL

N.T.S

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: WATER VALVE DETAIL	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 110-1			

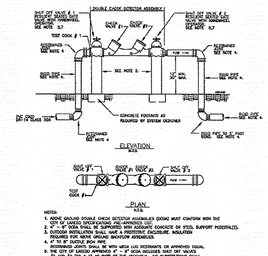


TYPICAL WATER SERVICE INSTALLATION
TYPICAL 3/4" AND 1"

N.T.S

DESCRIPTION				
TAP SIZE	(A)	(B)	(C)	(D)
3/4"	3/4"	3/4"	3/4"	3/4"
1"	1"	1"	1"	1"

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: SINGLE WATER SERVICE	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 104-1			



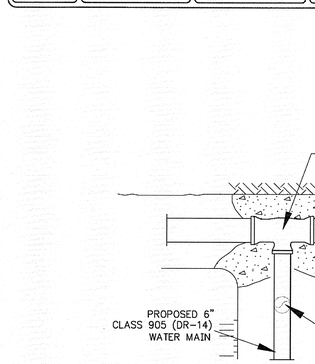
DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTOR DETAIL
(ABOVE GROUND) N.T.S
(DOMESTIC AND IRRIGATION)

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTOR DETAIL	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 110-3			

UTILITY TRENCH CONDITION "C" BEYOND THE R.O.W.

N.T.S.

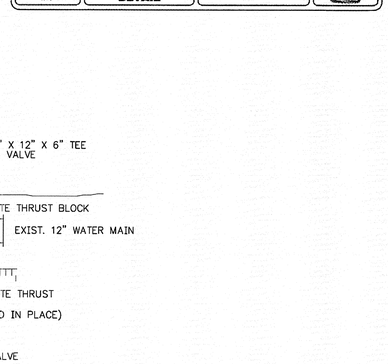
SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: UTILITY TRENCH BACKFILL DETAIL CONDITION "C"	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 102-3			



UTILITY TRENCH CONDITION "D" CEMENT STABILZED SAND/CALICHE OR FLOWABLE BACKFILL

N.T.S.

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: UTILITY TRENCH BACKFILL DETAIL CONDITION "D"	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 102-4			



THRUST BLOCK DIMENSIONS 150 PSI TEST PRESSURE					
	L LENGTH REQUIRED IN INCHES (SEE DETAIL)				
	T VERTICAL SOIL BEARING THICKNESS IN INCHES				
PIPE SIZE	"TEE"	CAP	BEND		
			90°	45°	22 1/2°	11 1/4°
6"	43/12	41/12	43/12	23/12	12/12	12/12
12"	48/24	48/24	48/24	35/18	26/12	16/12

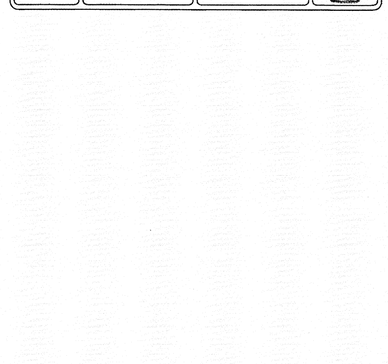
RESTRAINT LENGHT IN FEET 150 PSI TEST PRESSURE SAFETY FACTOR =2.0, SOIL TYPE= CL, 4' PIPE COVER						
PIPE SIZE	"TEE"	CAP	HORIZONTAL BENDS			
			90°	45°	22 1/2°	11 1/4°
6"	23'	59'	25'	12'	5'	3'
12"	5' (12X6) 85' (12X12)	91'				

* RESTRAINT LENGTH ALONG THE BRANCH, ASSUMING A MINIMUM PIPE LENGTH OF 3FT ON EACH SIDE OF THE TEE RUN, WITHOUT FITTINGS.

CONCRETE HORIZONTAL THRUST BLOCK & RESTRAINT LENGHTS

N.T.S

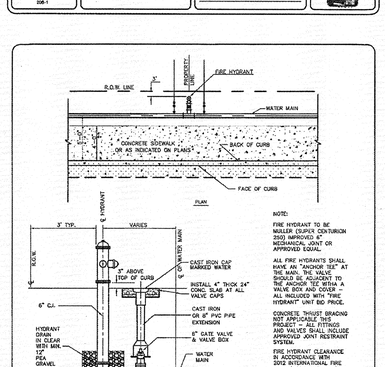
SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: CONCRETE THRUST BLOCK DETAIL	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 104-6			



TYPICAL CLEANOUT DETAIL

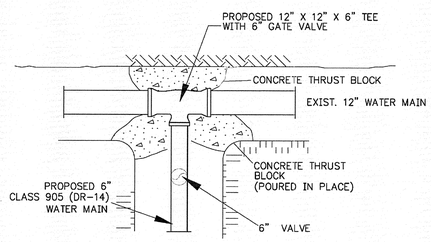
N.T.S

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: TYPICAL CLEANOUT DETAIL	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 214-1			



SINGLE SEWER SERVICE
PLAN VIEW N.T.S

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: SINGLE SEWER SERVICE	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 208-1			



TYPICAL TAPPING SLEEVE WITH VALVE (12" X 6")

N.T.S.

NOTE:
FIRE HYDRANT TO BE MUELLER (SUPER CENTURION 250) IMPROVED 6" MECHANICAL JOINT OR APPROVED EQUAL.

ALL FIRE HYDRANTS SHALL HAVE AN "ANCHOR TEE" AT THE MAIN. THE VALVE SHOULD BE ADJACENT TO THE ANCHOR TEE WITH A VALVE BOX AND COVER – ALL INCLUDED WITH "FIRE HYDRANT" UNIT BID PRICE.

CONCRETE THRUST BRACING NOT APPLICABLE THIS PROJECT – ALL FITTINGS AND VALVES SHALL INCLUDE APPROVED JOINT RESTRAINT SYSTEM.

FIRE HYDRANT CLEARANCE IN ACCORDANCE WITH 2012 INTERNATIONAL FIRE CODE (SECTION 508.5.5) OR LATEST REVISION

RAISED BLUE PAVEMENT MARKERS SHALL BE PROVIDED ON PUBLIC OR PRIVATE STREETS TO INDICATE THE LOCATION OF FIRE HYDRANTS. THESE PAVEMENT SHALL BE PLACED JUST OFF CENTER TO THE SIDE OF THE FIRE HYDRANT.

FIRE HYDRANT INSTALLATION DETAIL

N.T.S

SCALE: N.T.S.	DRAWN BY:	DETAIL DESCRIPTION: FIRE HYDRANT INSTALATION DETAIL	REVISIONS
DESIGNED BY:	CHECKED BY: MARCH 25, 2013		
DRAWING BY:	APPROVED BY:		
SHEET No.: 112-1			

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

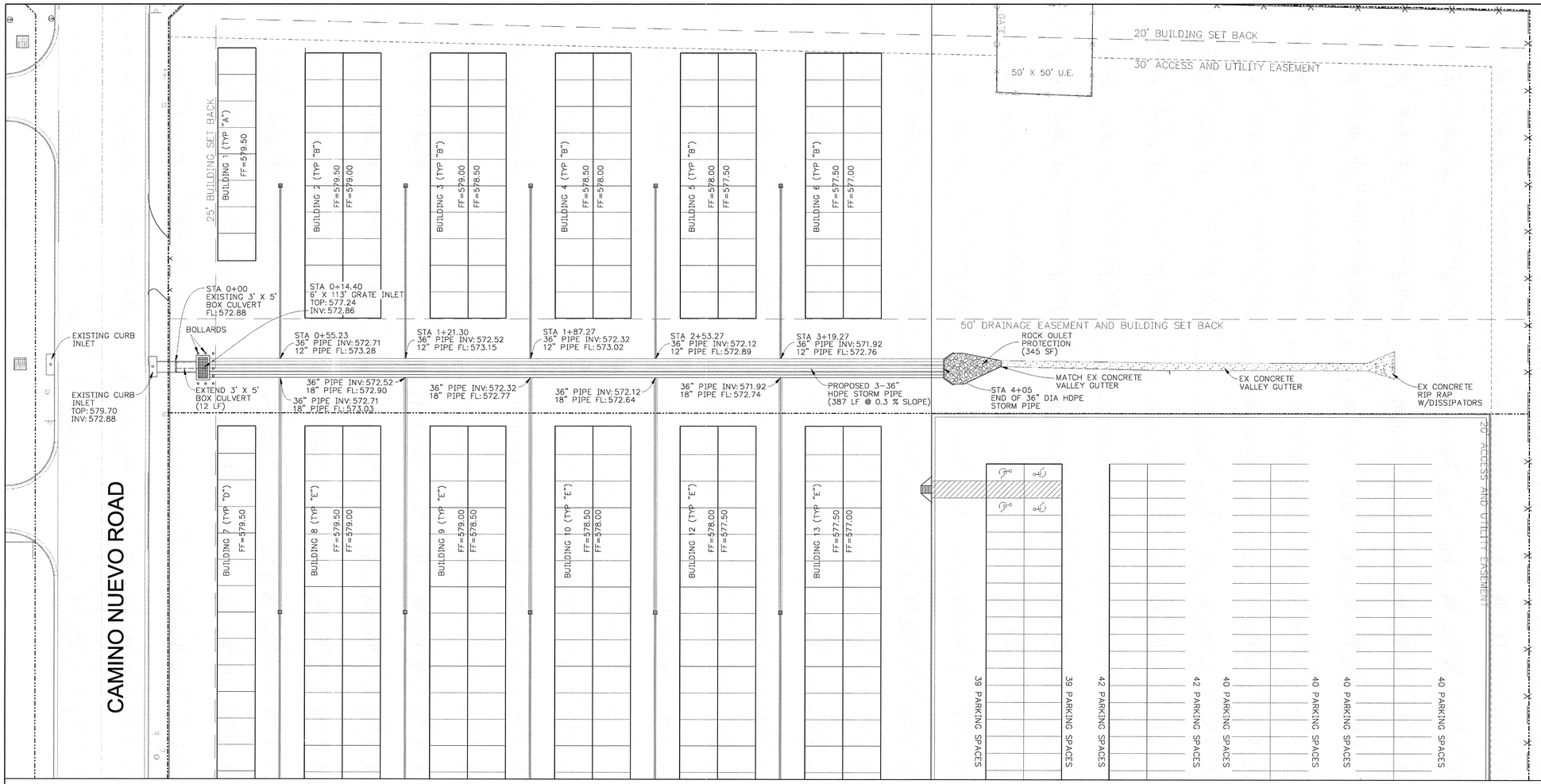
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/16/15

WATER AND SANITARY SEWER DETAILS

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	01 / 27 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	13

$DATE$
$FILE$

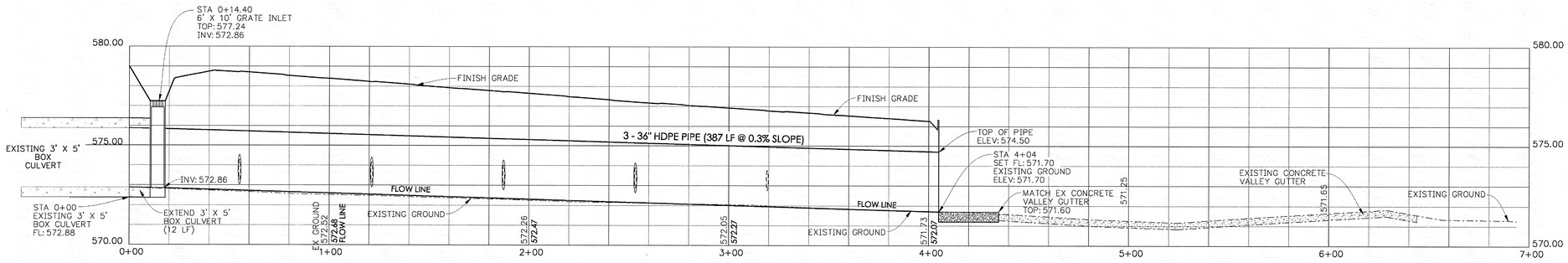


SCALE: 1"=30'

LEGEND:

18" DIA HDPE PIPE CONNECTION

12" DIA HDPE PIPE CONNECTION



2-36" DIA HDPE STORM PIPE PROFILE

SCALE: VER: 1"=3'
HOR: 1"=30'

DO-RITE
INSPECTION
SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

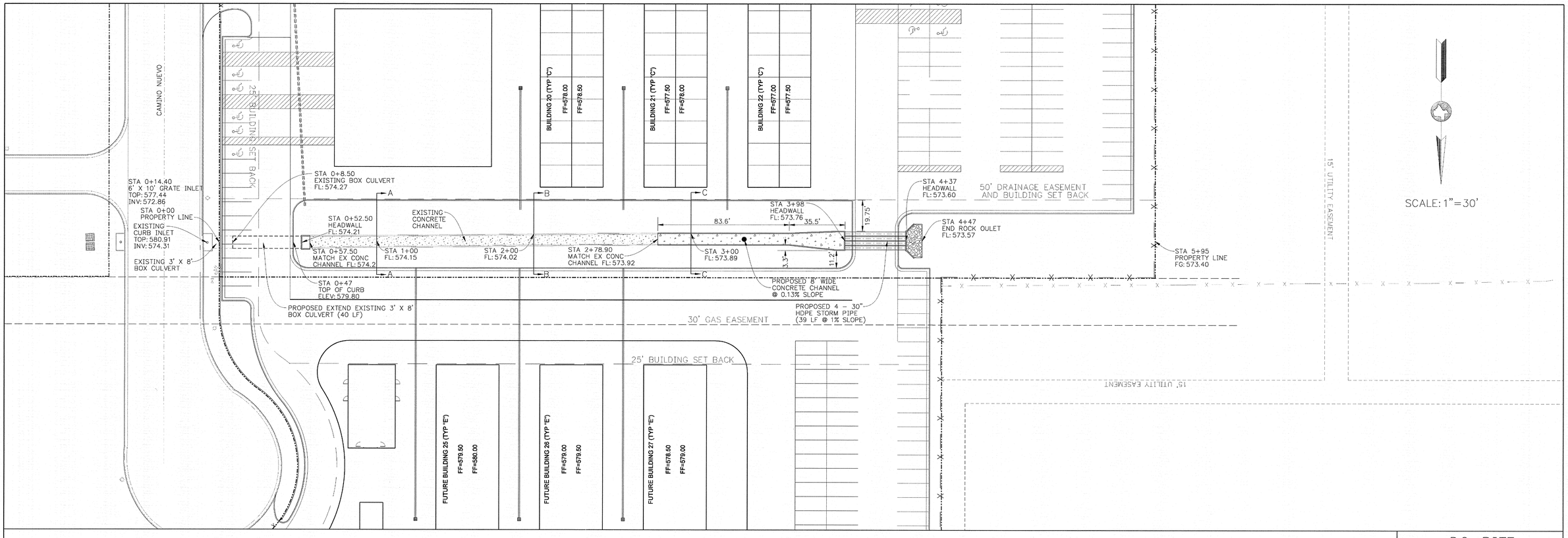
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

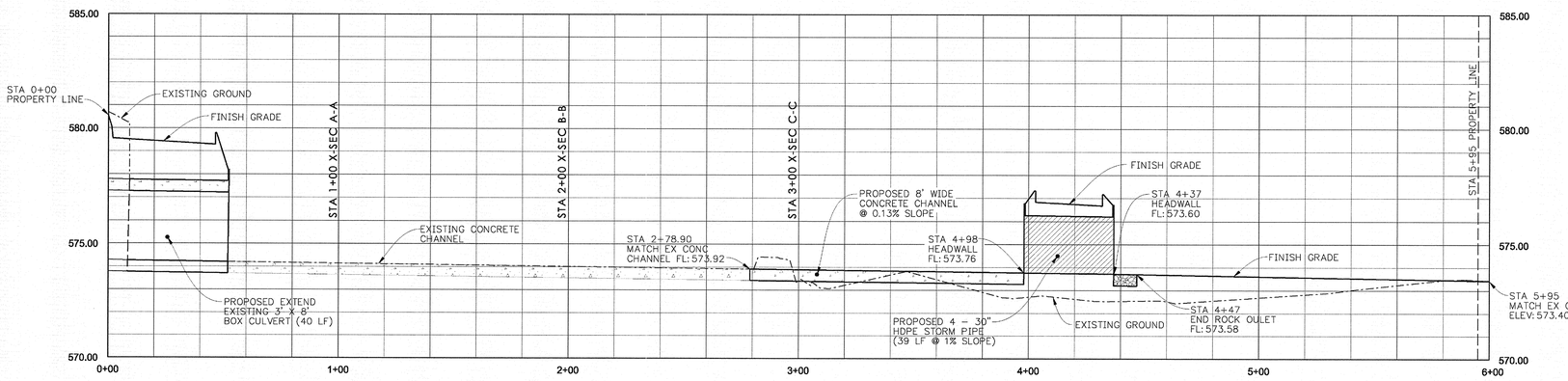
4/16/15

STORM SEWER PLAN AND PROFILE (3-36" HDPE PIPE)

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=60'
SCALE 24x36:	1"=30'
JOB #:	
FILE NAME:	
SHEET	14

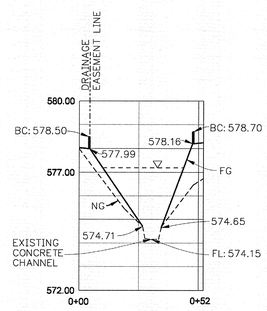
$DATE$
$FILE$





PROPOSED CHANNEL PROFILE

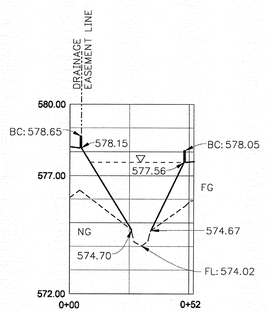
SCALE: HOR: 1"=30'
VER: 1"=3'



X-SECTION A-A

STA 1+00
FL: 574.15

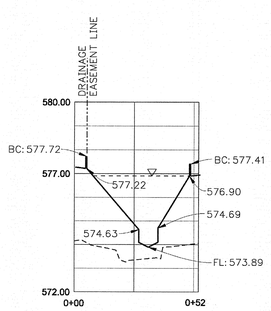
SCALE: HOR: 1"=30'
VER: 1"=3'



X-SECTION B-B

STA 2+00
FL: 574.02

SCALE: HOR: 1"=30'
VER: 1"=3'



X-SECTION C-C

STA 3+00
FL: 573.89

SCALE: HOR: 1"=30'
VER: 1"=3'

$DATE$
$FILE$

DO-RITE
INSPECTION
SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

RR

4/16/15

STORM SEWER
PLAN AND PROFILE
(CHANNEL)

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	15

TABLE OF DIMENSIONS & REINFORCING STEEL
(Wings for One Structure End)

Dimensions					Variable Reinforcing				Estimated (3) Quantities per ft of wing length (2~Wings)	
					Bars J1		Bars J2			
Maximum Wingwall Height Hw (9)	W	X	Y	Z	Size	Spa	Size	Spa	Reinf (Lb/Ft)	Conc (CY/Ft)
2'-6"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	33.73	0.248
3'-0"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	37.07	0.261
3'-6"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	37.74	0.273
4'-0"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	38.41	0.285
4'-6"	3'- 2"	1'- 6"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	41.75	0.330
5'-0"	3'- 2"	1'- 6"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	45.09	0.343
5'-6"	3'- 2"	1'- 6"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	45.75	0.355
6'-0"	3'- 2"	1'- 6"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	46.42	0.367
7'-0"	3'- 8"	1'- 9"	1'- 3"	7"	#4	1'-0"	#4	1'-0"	52.77	0.414
8'-0"	4'- 2"	2'- 0"	1'- 6"	8"	#5	1'-0"	#4	1'-0"	60.19	0.486
9'-0"	4'- 8"	2'- 3"	1'- 9"	8"	#4	6"	#4	6"	81.49	0.535
10'-0"	5'- 2"	2'- 6"	2'- 0"	8"	#5	6"	#4	6"	97.25	0.584
11'-0"	5'- 8"	2'- 9"	2'- 3"	8"	#6	6"	#5	6"	133.65	0.634
12'-0"	6'- 2"	3'- 0"	2'- 6"	9"	#7	6"	#5	6"	162.29	0.721

TABLE OF WING WALL REINFORCING (2~Wings)

Bar	Size	No.	Spa
D	#5	~	1'-0"
E	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	4	~
M	#4	4	~
P	#4	~	1'-0"
R	#5	6	~
V	#4	~	1'-0"

TABLE OF ESTIMATED CULVERT TOEWALL QUANTITIES

Bar	Size	No.	Spa
L	#4	~	1'-6"
Q	#4	1	~
Reinf (Lb/Ft)			2.45
Conc (CY/Ft)			0.037

TABLE OF ESTIMATED ANCHOR TOEWALL QUANTITIES

Bar	Size	No.	Spa
K	#4	~	1'-0"
N	#5	6	~
OL	#4	6	~
Reinf (Lb/Ft)			9.82
Conc (CY/Ft)			0.074

(1) Extend Bars P 3'-0" minimum into bottom slab of Box Culvert.

(2) Adjust to fit as necessary to maintain 1 1/4" clear cover and 4" minimum between bars.

(3) Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings multiply the tabulated values by Lw.

(4) Recommended values of Slope are: 3:1, 4:1, & 6:1. Slope shall be 3:1 or flatter.

(5) When shown elsewhere on the plans, a 5" deep concrete riprap shall be constructed. Payment for riprap shall be as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, construction joints or grooved joints, oriented in the direction of flow, and shall extend across the full distance of the riprap, at intervals of approximately 20'. When such riprap is provided, the culvert toewall shown in SECTION B-B will not be required.

(6) At Contractor's option, Culvert Toewall may be ended flush with Wingwall Toewall. Adjust reinforcing from that shown as necessary.

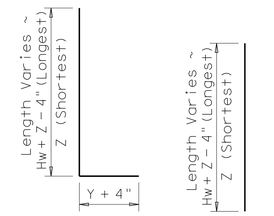
(7) 3" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures without railing and curbs taller than 1'-0", refer to ECD standard.

(8) For vehicle safety, curbs shall project no more than 3" above finished grade. Curb heights shall be reduced, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

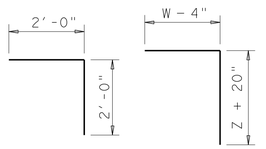
(9) See "Table Of Maximum Wing Heights" for various slopes. Height is limited based on a 33'-6" maximum safety pipe runner length.

TABLE OF MAXIMUM (9) WING HEIGHTS (Hw max)

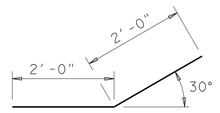
Side Slope	Hw max
3:1	11'- 5"
4:1	8'-10"
6:1	6'- 1"



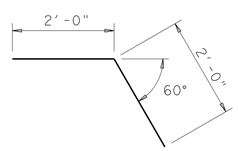
BARS J1 BARS V



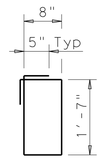
BARS L BARS J2



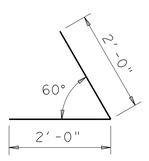
BARS D



BARS R



BARS K
(Length = 5'-4")



BARS OL

WING DIMENSION CALCULATIONS:

Formulas: (All values are in Feet)

Hw = H + T + C - 0.250' (9)
A = (Hw - 0.333') (SL)
B = (A) (Tangent 30°)
Lw = (A) ÷ (Cosine 30°)

For Cast-in-place culverts:
Ltw = (N) (S) + (N + 1) (U)
For Precast culverts:
Ltw = (N) (2U + S) + (N - 1) (0.500')

Lc = (Ltw) - (2U)
Atw = (Lc) + (2B)
Total Wingwall Area (Two Wings ~ S.F.)
= (Hw + 0.333') (Lw)

Hw = Height of Wingwall
SL:1 = Side Slope Ratio (Horizontal : 1 Vertical)
Lw = Length of Wingwall
Ltw = Culvert Toewall Length
Lc = Culvert Curb between Wings
Atw = Anchor Toewall Length
N = Number of Culvert Spans

See applicable box culvert standard for H, S, T, and U values. See Table of Maximum Wall Heights for limits on Hw.

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.

The Safety End Treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the Pipe Runners.

Pipe Runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.

All reinforcing steel shall be Grade 60.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

All reinforcing bars shall be adjusted to provide a minimum of 1 1/4" clear cover.

When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.

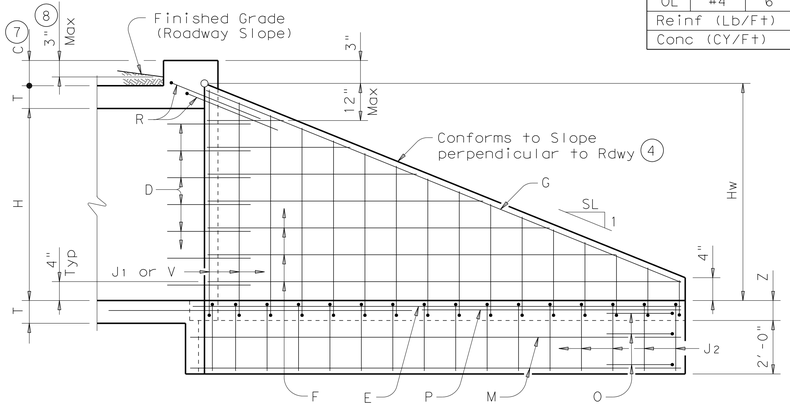
See BCS sheet for additional dimensions and information.

All bolts, nuts, washers, brackets, angles, and pipe runners are considered parts of the Safety End Treatment for payment.

Pipe Runners shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

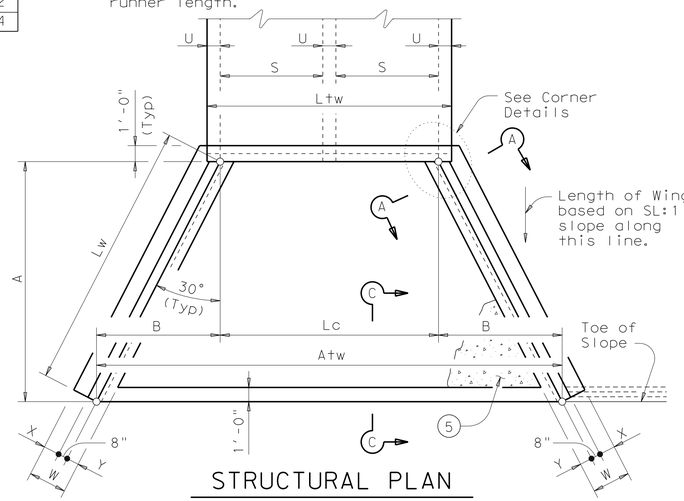
Bolts and nuts shall conform to ASTM A307. Steel plates shall conform to ASTM A36. All steel components, except reinforcing, shall be galvanized. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.



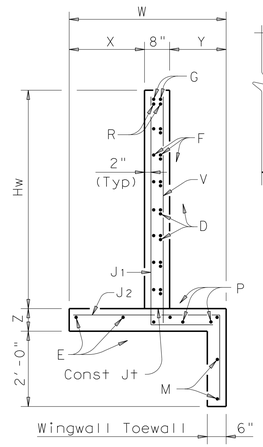
INSIDE ELEVATION OF WINGWALL

(Showing reinforcing. Culvert and Culvert Toewall reinforcing not shown for clarity.)

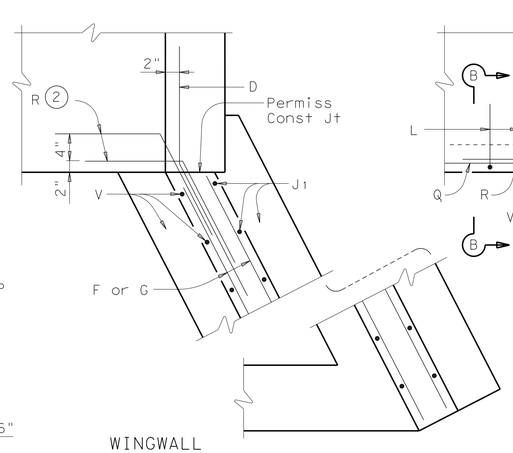


STRUCTURAL PLAN

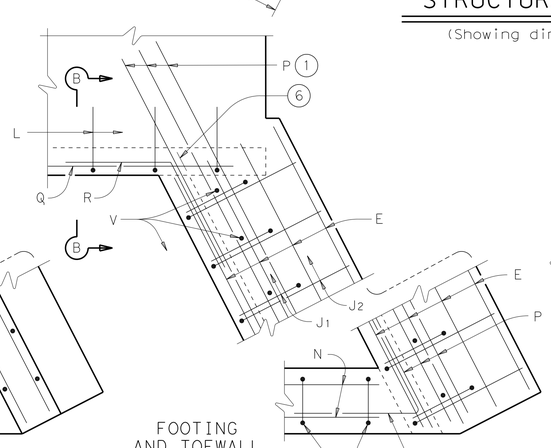
(Showing dimensions.)



SECTION A-A



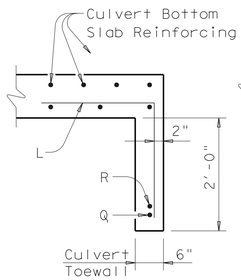
WINGWALL



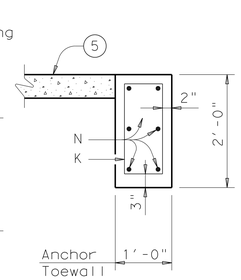
FOOTING AND TOEWALL

CORNER DETAILS

(Culvert and Culvert Toewall reinforcing not shown for clarity.)



SECTION B-B (5)



SECTION C-C

SHEET 1 OF 3

Texas Department of Transportation

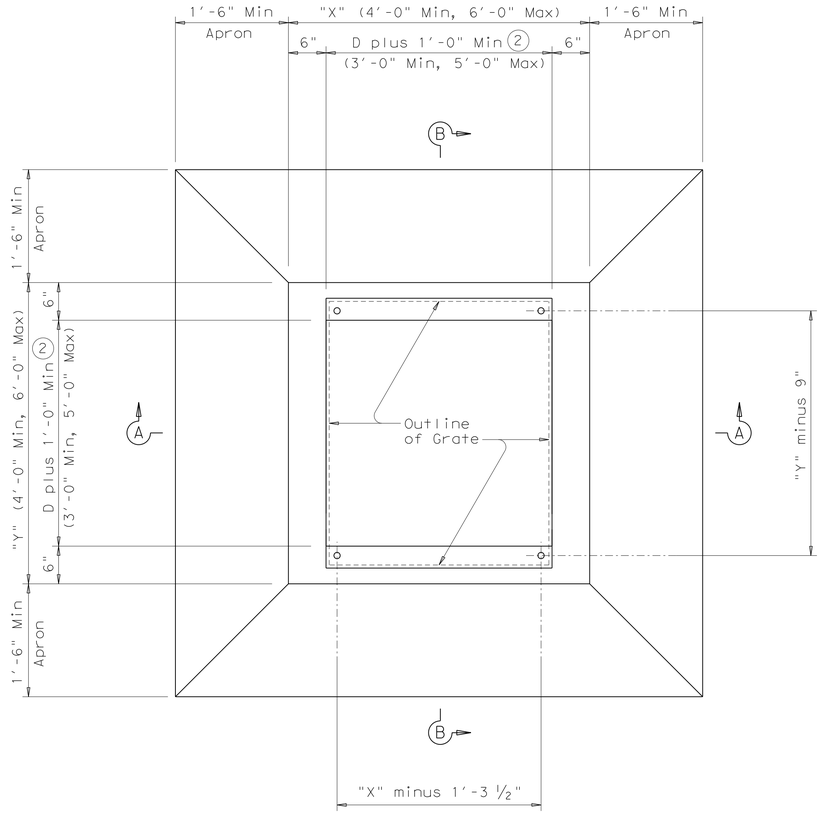
Bridge Division Standard

SAFETY END TREATMENT WITH FLARED WINGS

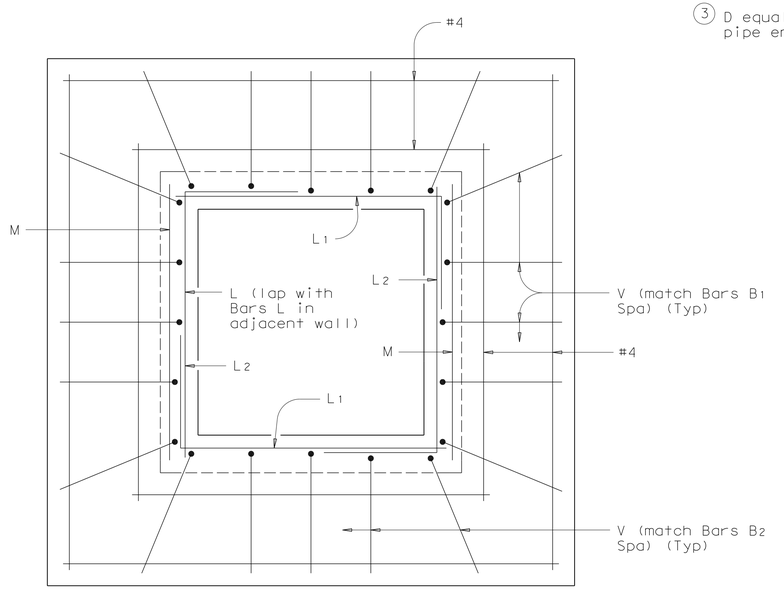
FOR 0° SKEW BOX CULVERTS
TYPE I ~ CROSS DRAINAGE

SETB-FW-0

FILE: setbf0se.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
11-10: Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.
				16



PLAN



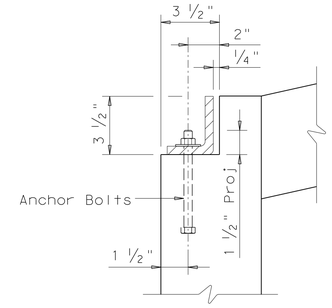
TYPICAL APRON PLAN

(Showing reinforcing in walls and in apron)

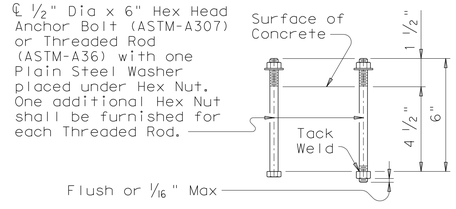
(1) May be changed as directed by the Engineer.

(2) D equals the maximum inside diameter of any pipe entering the wall shown or the opposite wall.

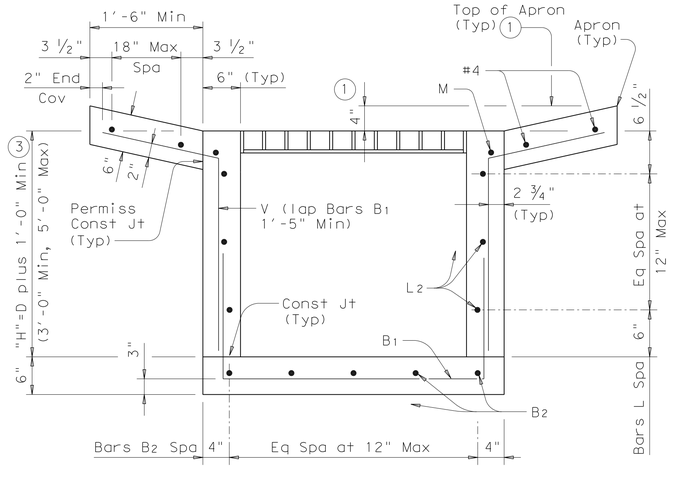
(3) D equals the maximum inside diameter of any pipe entering the inlet.



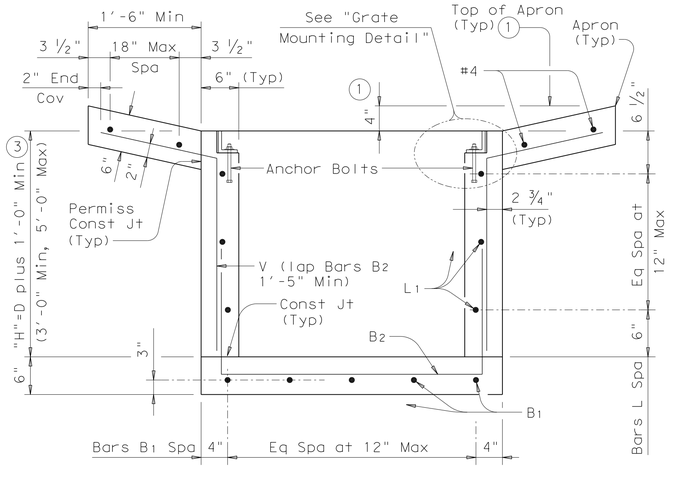
GRATE MOUNTING DETAIL



ANCHOR BOLT OPTIONS



SECTION A-A



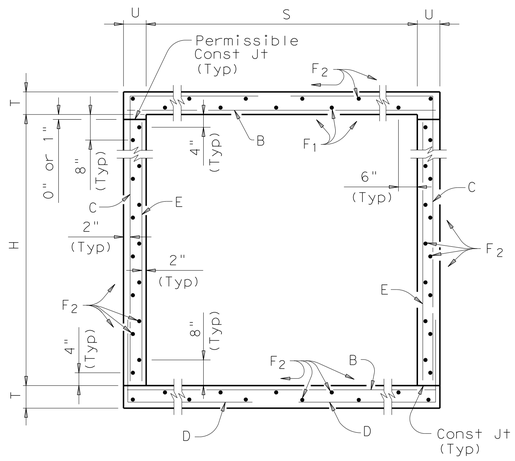
SECTION B-B

Texas Department of Transportation
Bridge Division

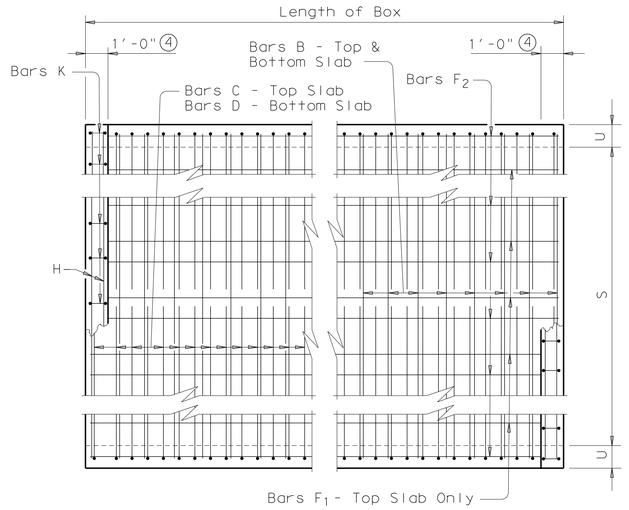
HORIZONTAL INLET TYPE H WITH GRATE (MAX 48" DIA PIPES)

IL-H-G

FILE: ilhste01.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
©TxDOT May 2005	DISTRICT	FEDERAL AID PROJECT		SHEET	
REVISIONS				17	
	COUNTY	CONTROL	SECT	JOB	HIGHWAY



TYPICAL SECTION



PLAN OF REINF STEEL

① 0" min to 5′-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1′-0", refer to ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.

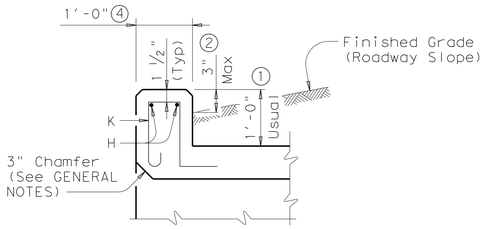
② For vehicle safety, the following requirements must be met:
- For structures without bridge rail, curbs shall project no more than 3" above finished grade.
- For structures with bridge rail, curbs shall be flush with finished grade.
Curb heights shall be reduced, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

③ For curbs less than 1′-0" high, tilt bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, bars K may be omitted.

④ 1′-0" typical. 2′-0" when RAC standard is referred to elsewhere in the plans.

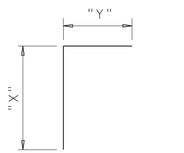
Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes.

Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5′) x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2′-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).

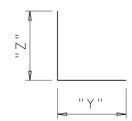


SECTION THRU CURB

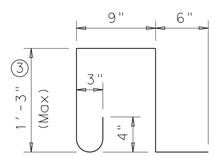
GENERAL NOTES:
Designed according to AASHTO LRFD Specifications.
Designed to the maximum fill height shown.
All reinforcing steel shall be Grade 60.
All concrete shall be Class "C" with these exceptions: use Class "S" for top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface.
Class "C" concrete shall have a minimum compressive strength of 3,600 psi. Class "S" concrete shall have a minimum compressive strength of 4,000 psi.
The use of permanent forms is not allowed.
The bottom edge of the top slab shall be chamfered 3" at the entrance.
Reinforcing bars shall be adjusted to provide a minimum of 1 1/4" clear cover.
Construction joints shown at the flow line may be raised a maximum of 6" at the Contractor's option. If this option is used, Bars E may be cut off or raised, and Bars C and D may be reversed.
See standard SCC-MD for skewed ends, angle sections and lengthening details.



BARS C



BARS D



BARS K ~ #4
(Spa = 1′-0" Max)
(Length = 4′-3")

HL93 LOADING

SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-8

FILE: scc08ste.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-12: Added WWR	DIST	COUNTY		SHEET NO.
				18A

BILLS OF REINFORCING STEEL (For Box Length = 40 feet)

SECTION DIMENSIONS				⑤ FILL HEIGHT	Bars B					Bars C							Bars D							Bars E~#4 at 18" Max			Bars F_1 ~#4				Bars F_2~#4 at 18" Max			Bars H 4~#4		Bars K		QUANTITIES: Per foot of Barrel		Curb		Total	
S	H	T	U		No.	Size	Spa	Length	Weight	No.	Size	Spa	Length	Weight	"X"	"Y"	No.	Size	Spa	Length	Weight	"Y"	"Z"	No.	Length	Wt	No.	Spa	Length	Wt	No.	Length	Wt	Length	Wt	No.	Wt	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)
8'-0"	4'-0"	7"	7"	13'	162	#6	6"	8'-11"	2,170	194	#5	5"	8'- 8"	1,754	4'- 5"	4'- 3"	194	#5	5"	6'-10"	1,383	4'- 3"	2'- 7"	56	4'-0"	150	13	7"	39'-9"	345	32	39'-9"	850	8'-11"	24	20	57	0.569	166.3	0.7	81	23.5	6,733
8'-0"	4'-0"	8"	7"	16'	194	#6	5"	8'-11"	2,598	194	#5	5"	8'- 9"	1,770	4'- 6"	4'- 3"	194	#5	5"	6'-11"	1,400	4'- 3"	2'- 8"	56	4'-0"	150	6	18"	39'-9"	159	32	39'-9"	850	8'-11"	24	20	57	0.626	173.2	0.7	81	25.7	7,008
8'-0"	4'-0"	9"	8"	20'	194	#6	5"	9'- 1"	2,647	194	#5	5"	8'-10"	1,787	4'- 7"	4'- 3"	194	#5	5"	7'- 0"	1,416	4'- 3"	2'- 9"	56	4'-0"	150	6	18"	39'-9"	159	32	39'-9"	850	9'- 1"	24	22	62	0.716	175.2	0.7	86	29.3	7,095
8'-0"	4'-0"	10"	8"	23'	194	#6	5"	9'- 1"	2,647	138	#6	7"	8'-11"	1,848	4'- 8"	4'- 3"	138	#6	7"	7'- 6"	1,555	4'- 3"	3'- 3"	56	4'-0"	150	6	18"	39'-9"	159	32	39'-9"	850	9'- 1"	24	22	62	0.774	180.2	0.7	86	31.7	7,295
8'-0"	4'-0"	11"	9"	30'	162	#7	6"	9'- 3"	3,063	194	#5	5"	9'- 0"	1,821	4'- 9"	4'- 3"	194	#5	5"	7'- 2"	1,450	4'- 3"	2'-11"	56	4'-0"	150	6	18"	39'-9"	159	34	39'-9"	903	9'- 3"	25	22	62	0.867	188.7	0.7	87	35.4	7,633
8'-0"	5'-0"	7"	7"	13'	162	#6	6"	8'-11"	2,170	194	#5	5"	9'- 8"	1,956	5'- 5"	4'- 3"	194	#5	5"	6'-10"	1,383	4'- 3"	2'- 7"	56	5'-0"	187	13	7"	39'-9"	345	36	39'-9"	956	8'-11"	24	20	57	0.612	174.9	0.7	81	25.2	7,078
8'-0"	5'-0"	8"	7"	16'	194	#6	5"	8'-11"	2,598	194	#5	5"	9'- 9"	1,973	5'- 6"	4'- 3"	194	#5	5"	6'-11"	1,400	4'- 3"	2'- 8"	56	5'-0"	187	6	18"	39'-9"	159	36	39'-9"	956	8'-11"	24	20	57	0.669	181.8	0.7	81	27.5	7,354
8'-0"	5'-0"	9"	8"	20'	194	#6	5"	9'- 1"	2,647	194	#5	5"	9'-10"	1,990	5'- 7"	4'- 3"	194	#5	5"	7'- 0"	1,416	4'- 3"	2'- 9"	56	5'-0"	187	6	18"	39'-9"	159	36	39'-9"	956	9'- 1"	24	22	62	0.765	183.9	0.7	86	31.3	7,441
8'-0"	5'-0"	10"	8"	23'	194	#6	5"	9'- 1"	2,647	194	#5	5"	9'-11"	2,007	5'- 8"	4'- 3"	194	#5	5"	7'- 1"	1,433	4'- 3"	2'-10"	56	5'-0"	187	6	18"	39'-9"	159	36	39'-9"	956	9'- 1"	24	22	62	0.823	184.7	0.7	86	33.6	7,475
8'-0"	5'-0"	11"	9"	30'	194	#7	5"	9'- 3"	3,668	194	#5	5"	10'- 0"	2,023	5'- 9"	4'- 3"	194	#5	5"	7'- 2"	1,450	4'- 3"	2'-11"	56	5'-0"	187	6	18"	39'-9"	159	38	39'-9"	1,009	9'- 3"	25	22	62	0.923	212.4	0.7	87	37.6	8,583
8'-0"	6'-0"	7"	7"	13'	194	#6	5"	8'-11"	2,598	162	#5	6"	10'- 8"	1,802	6'- 5"	4'- 3"	162	#5	6"	6'-10"	1,155	4'- 3"	2'- 7"	56	6'-0"	224	13	7"	39'-9"	345	40	39'-9"	1,062	8'-11"	24	20	57	0.655	179.7	0.7	81	26.9	7,267
8'-0"	6'-0"	8"	7"	16'	194	#6	5"	8'-11"	2,598	194	#5	5"	10'- 9"	2,175	6'- 6"	4'- 3"	194	#5	5"	6'-11"	1,400	4'- 3"	2'- 8"	56	6'-0"	224	6	18"	39'-9"	159	40	39'-9"	1,062	8'-11"	24	20	57	0.712	190.5	0.7	81	29.2	7,699
8'-0"	6'-0"	9"	8"	20'	194	#6	5"	9'- 1"	2,647	194	#5	5"	10'-10"	2,192	6'- 7"	4'- 3"	194	#5	5"	7'- 0"	1,416	4'- 3"	2'- 9"	56	6'-0"	224	6	18"	39'-9"	159	40	39'-9"	1,062	9'- 1"	24	22	62	0.815	192.5	0.7	86	33.3	7,786
8'-0"	6'-0"	10"	8"	23'	194	#6	5"	9'- 1"	2,647	194	#5	5"	10'-11"	2,209	6'- 8"	4'- 3"	194	#5	5"	7'- 1"	1,433	4'- 3"	2'-10"	56	6'-0"	224	6	18"	39'-9"	159	40	39'-9"	1,062	9'- 1"	24	22	62	0.872	193.4	0.7	86	35.6	7,820
8'-0"	6'-0"	11"	9"	30'	194	#7	5"	9'- 3"	3,668	194	#5	5"	11'- 0"	2,226	6'- 9"	4'- 3"	194	#5	5"	7'- 2"	1,450	4'- 3"	2'-11"	56	6'-0"	224	6	18"	39'-9"	159	42	39'-9"	1,115	9'- 3"	25	22	62	0.978	221.1	0.7	87	39.8	8,929
8'-0"	7'-0"	7"	7"	13'	194	#6	5"	8'-11"	2,598	194	#5	5"	11'- 8"	2,361	7'- 5"	4'- 3"	194	#5	5"	6'-10"	1,383	4'- 3"	2'- 7"	56	7'-0"	262	13	7"	39'-9"	345	40	39'-9"	1,062	8'-11"	24	20	57	0.699	200.3	0.7	81	28.7	8,092
8'-0"	7'-0"	8"	7"	16'	194	#6	5"	8'-11"	2,598	194	#5	5"	11'- 9"	2,378	7'- 6"	4'- 3"	194	#5	5"	6'-11"	1,400	4'- 3"	2'- 8"	56	7'-0"	262	6	18"	39'-9"	159	40	39'-9"	1,062	8'-11"	24	20	57	0.755	196.5	0.7	81	30.9	7,940
8'-0"	7'-0"	9"	8"	20'	194	#6	5"	9'- 1"	2,647	194	#5	5"	11'-10"	2,394	7'- 7"	4'- 3"	194	#5	5"	7'- 0"	1,416	4'- 3"	2'- 9"	56	7'-0"	262	6	18"	39'-9"	159	40	39'-9"	1,062	9'- 1"	24	22	62	0.864	198.5	0.7	86	35.3	8,026
8'-0"	7'-0"	10"	8"	23'	162	#7	6"	9'- 1"	3,008	194	#5	5"	11'-11"	2,411	7'- 8"	4'- 3"	194	#5	5"	7'- 1"	1,433	4'- 3"	2'-10"	56	7'-0"	262	6	18"	39'-9"	159	40	39'-9"	1,062	9'- 1"	24	22	62	0.922	208.4	0.7	86	37.6	8,421
8'-0"	7'-0"	11"	9"	30'	194	#7	5"	9'- 3"	3,668	194	#5	5"	12'- 0"	2,428	7'- 9"	4'- 3"	194	#5	5"	7'- 2"	1,450	4'- 3"	2'-11"	56	7'-0"	262	6	18"	39'-9"	159	42	39'-9"	1,115	9'- 3"	25	22	62	1.034	227.1	0.7	87	42.1	9,169
8'-0"	8'-0"	7"	7"	13'	194	#6	5"	8'-11"	2,598	194	#5	5"	12'- 8"	2,563	8'- 5"	4'- 3"	194	#5	5"	6'-10"	1,383	4'- 3"	2'- 7"	56	8'-0"	299	13	7"	39'-9"	345	44	39'-9"	1,168	8'-11"	24	20	57	0.742	208.9	0.7	81	30.4	8,437
8'-0"	8'-0"	8"	7"	16'	194	#6	5"	8'-11"	2,598	194	#5	5"	12'- 9"	2,580	8'- 6"	4'- 3"	194	#5	5"	6'-11"	1,400	4'- 3"	2'- 8"	56	8'-0"	299	6	18"	39'-9"	159	44	39'-9"	1,168	8'-11"	24	20	57	0.798	205.1	0.7	81	32.6	8,285
8'-0"	8'-0"	9"	8"	20'	194	#6	5"	9'- 1"	2,647	194	#5	5"	12'-10"	2,597	8'- 7"	4'- 3"	194	#5	5"	7'- 0"	1,416	4'- 3"	2'- 9"	56	8'-0"	299	6	18"	39'-9"	159	44	39'-9"	1,168	9'- 1"	24	22	62	0.914	207.2	0.7	86	37.3	8,372
8'-0"	8'-0"	10"	8"	23'	162	#7	6"	9'- 1"	3,008	194	#5	5"	12'-11"	2,614	8'- 8"	4'- 3"	194	#5	5"	7'- 1"	1,433	4'- 3"	2'-10"	56	8'-0"	299	6	18"	39'-9"	159	44	39'-9"	1,168	9'- 1"	24	22	62	0.971	217.0	0.7	86	39.5	8,767
8'-0"	8'-0"	11"	9"	30'	194	#7	5"	9'- 3"	3,668	194	#5	5"	13'- 0"	2,630	8'- 9"	4'- 3"	194	#5	5"	7'- 2"	1,450	4'- 3"	2'-11"	56	8'-0"	299	6	18"	39'-9"	159	46	39'-9"	1,221	9'- 3"	25	22	62	1.090	235.7	0.7	87	44.3	9,514

⑤ For each box size, minimum fill height shown shall be used for all culverts with less than 2'-0" of fill.

Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes.

Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5') x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2'-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).

HL93 LOADING

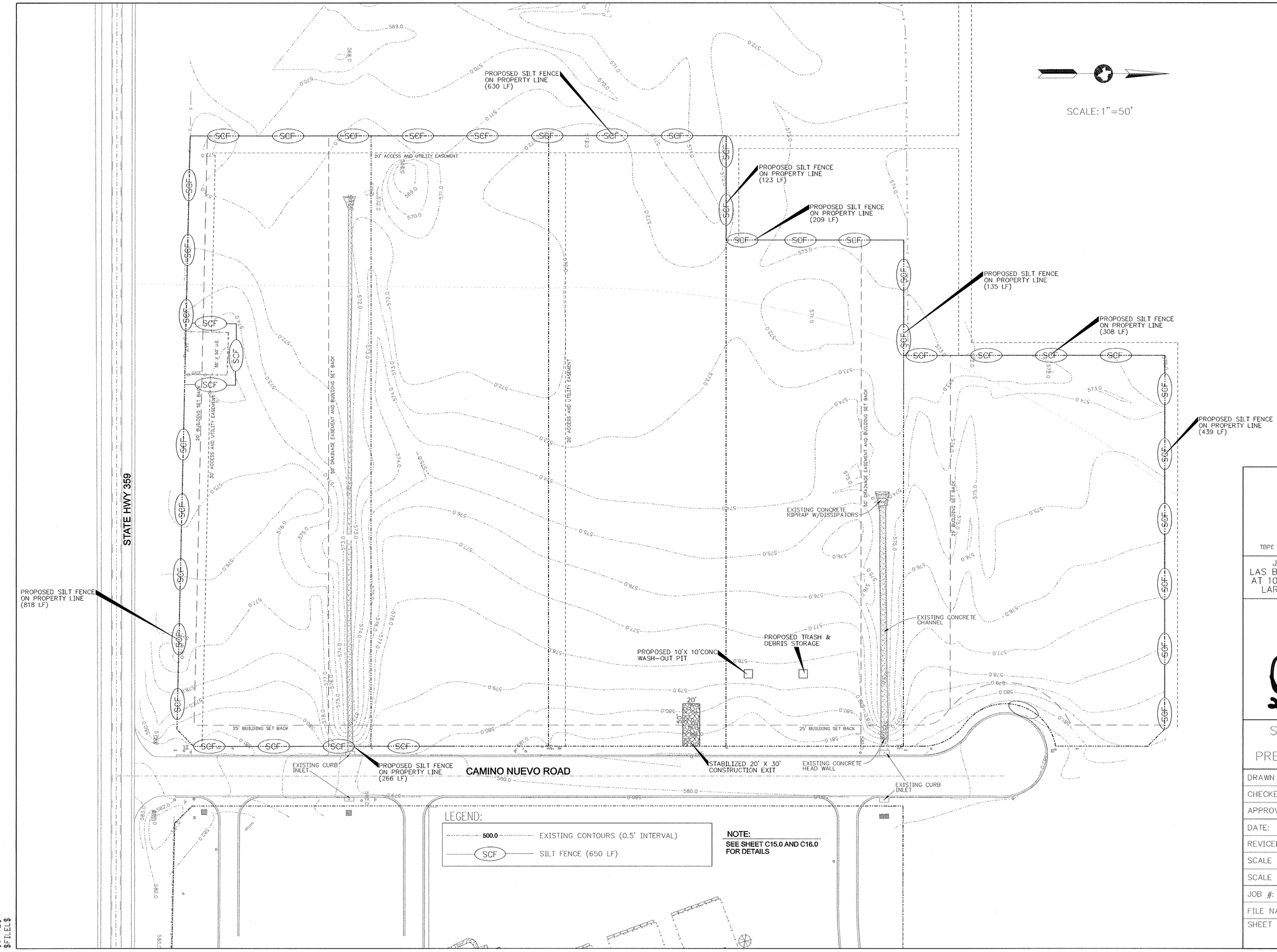
Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-8

FILE: scc08ste.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-12: Added WWR	DIST	COUNTY		SHEET NO.
				18B



$DATE$
$FILE$

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

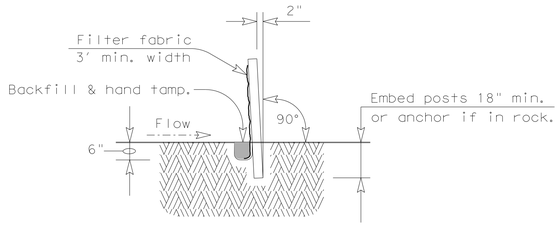
JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

02
2/11/15

STORM WATER POLLUTION PREVENTION PLAN

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 07 / 15
REVICED DATE:	
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	19



SECTION A-A

GENERAL NOTES

1. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

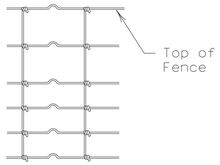
Sediment Control Fence ——— SCF ———

SEDIMENT CONTROL FENCE USAGE GUIDELINES

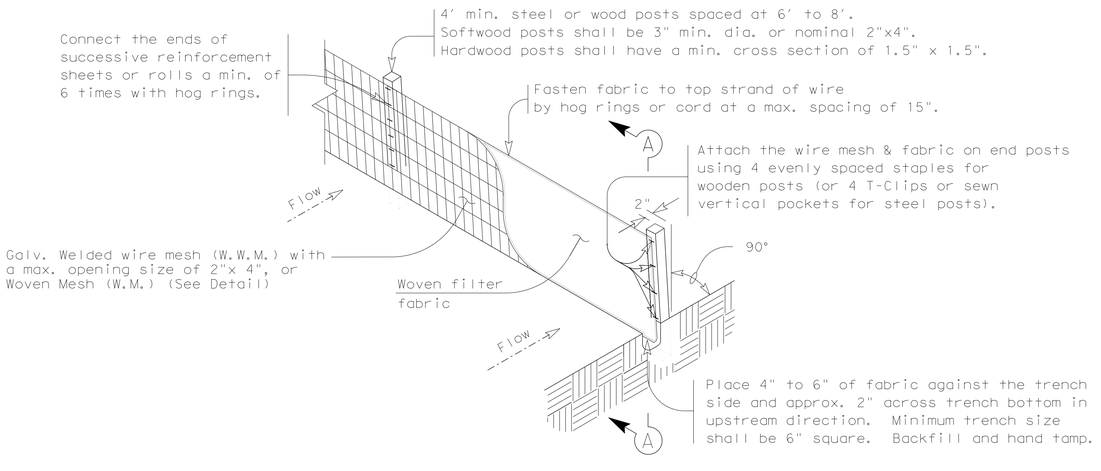
A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a max. flow through rate of 100 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

Galv. Hinge joint knot woven mesh (12.5 Ga. Min.) requires a minimum of five horizontal wires spaced at a max.12 inches apart and all vertical wires spaced at a max. 12 inches apart.

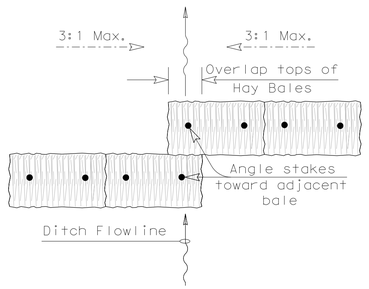


Hinge Joint Knot Woven Mesh (Option)

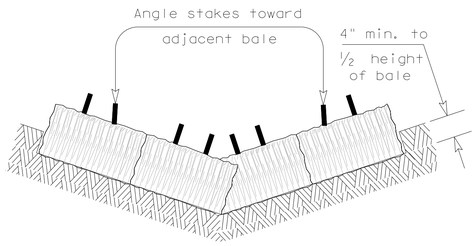


TEMPORARY SEDIMENT CONTROL FENCE

SCF



PLAN VIEW



PROFILE VIEW

PLANS SHEET LEGEND

Baled Hay ——— BH ———

BALED HAY USAGE GUIDELINES

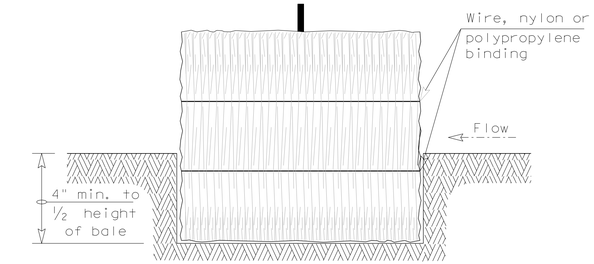
A Baled Hay installation may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A two year storm frequency may be used to calculate the flow rate to be filtered. The installation should be sized to filter a maximum flow thru rate of 5 GPM/FT^2 of cross sectional area. Baled hay may be used at the following locations:

1. Where the runoff approaching the baled hay flows over disturbed soil for less than 100'. If the slope of the disturbed soil exceeds 10%, the length of slope upstream the baled hay should be less than 50'.
2. Where the installation will be required for less than 3 months.
3. Where the contributing drainage area is less than ½ acre.

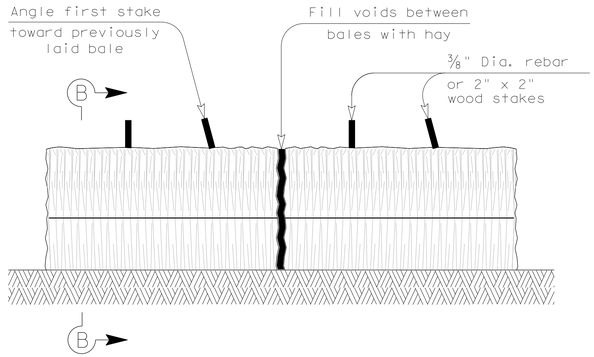
For Baled Hay installations in small ditches, the additional following considerations apply:

1. The ditch sideslopes should be graded as flat as possible to maximize the drainage flowrate thru the hay.
2. The ditch should be graded large enough to contain the overtopping drainage when sediment has filled to the top of the baled hay.

Bales should be replaced usually every 2 months or more often during wet weather when loss of structural integrity is accelerated.



SECTION B-B



BALED HAY FOR EROSION CONTROL

BH

GENERAL NOTES

1. Hay bales shall be a minimum of 30" in length and weigh a minimum of 50 Lbs.
2. Hay bales shall be bound by either wire or nylon or polypropylene string. The bales shall be composed entirely of vegetative matter.
3. Hay bales shall be embedded in the soil a minimum of 4" and where possible ½ the height of the bale.
4. Hay bales shall be placed in a row with ends tightly abutting the adjacent bales. The bales shall be placed with bindings parallel to the ground.
5. Hay bales shall be securely anchored in place with ⅜" Dia. rebar or 2" x 2" wood stakes, driven through the bales. The first stake shall be angled towards the previously laid bale to force the bales together.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

Texas Department of Transportation

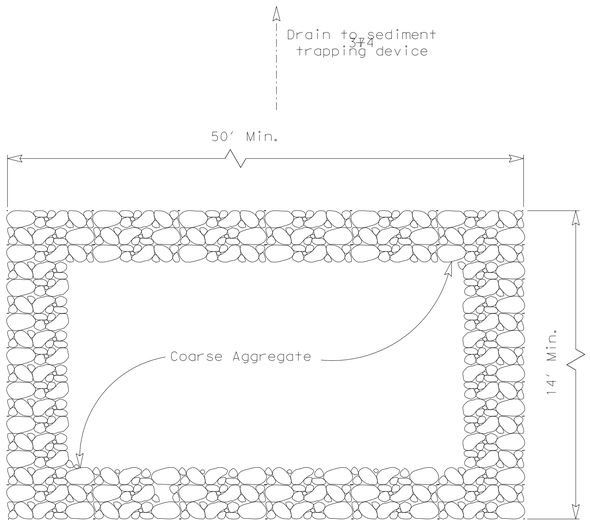
Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

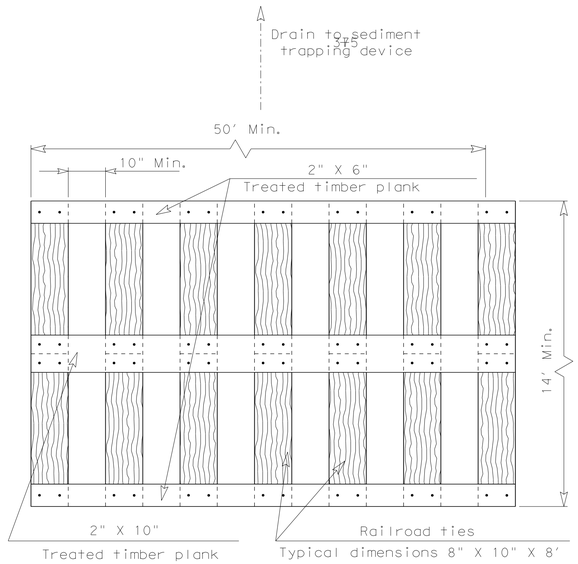
FENCE & BALED HAY

EC(1)-09

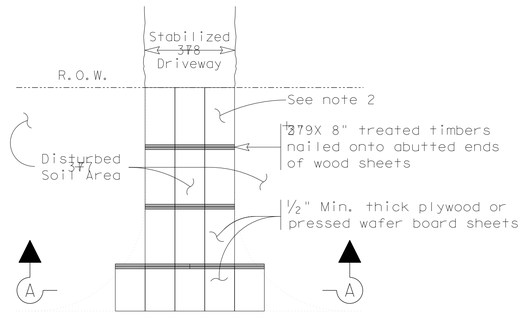
FILE: ec109.dgn	DN: TxDOT	CK: AM	DW: TV	CK: BD
©TxDOT June 1993	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				20



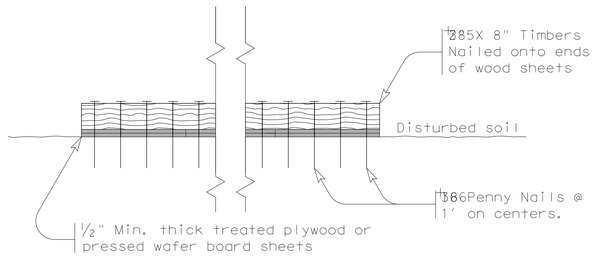
PLAN



PLAN



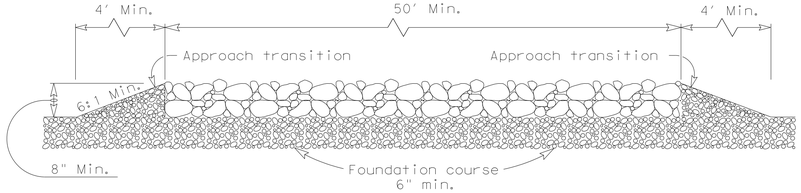
PLAN



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

382



PROFILE

CONSTRUCTION EXIT (TYPE 1)

380

GENERAL NOTES

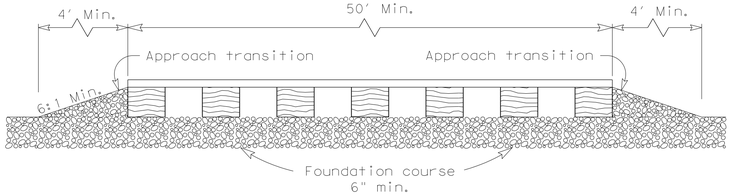
1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50′.
2. The coarse aggregate should be open graded with a size of 4" to 8".

373 The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.

384 The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.

372 The construction exit shall be graded to allow drainage to a sediment trapping device.

6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.



PROFILE

CONSTRUCTION EXIT (TYPE 2)

381

GENERAL NOTES

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50′.
2. The treated timber planks shall be attached to the railroad ties with ½"x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.

376 The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.

383 The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.

387 The construction exit should be graded to allow drainage to a sediment trapping device.

7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

GENERAL NOTES

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

Texas Department of Transportation

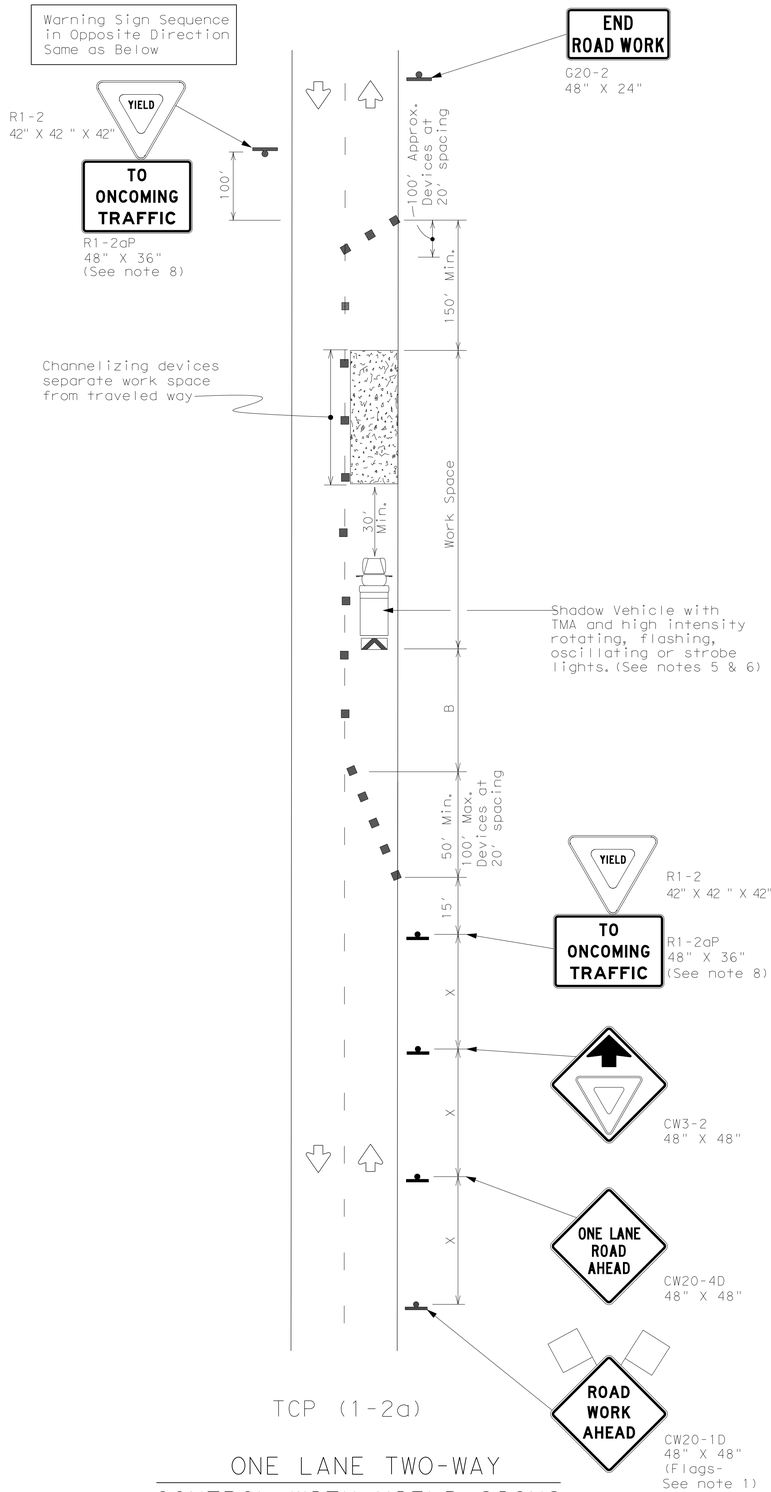
~~Design~~ Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

CONSTRUCTION EXITS

EC(3)-93

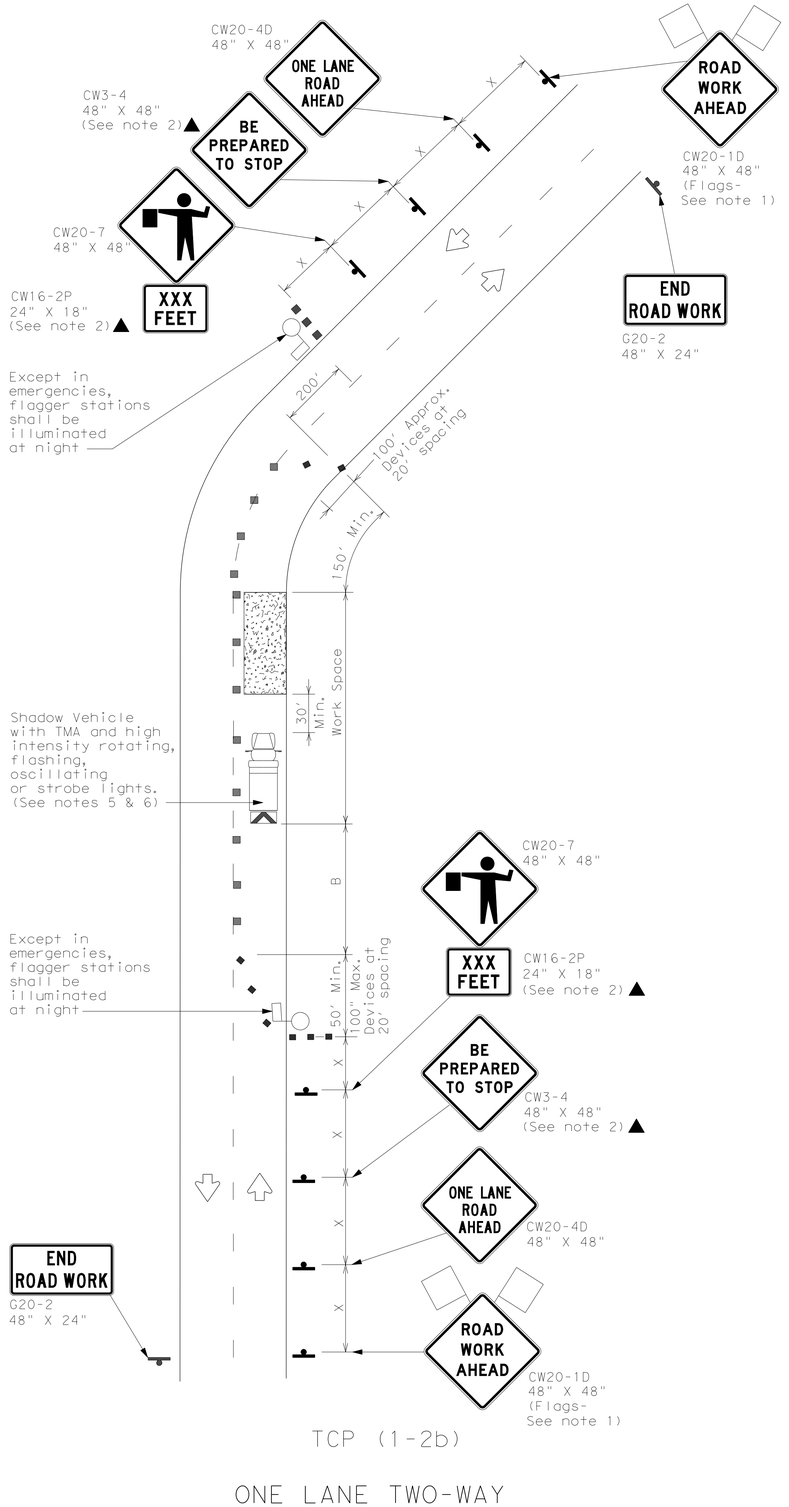
FILE: ec393.dgn	DN: TxDOT	CK: HEJ	DW: BD	CK:
© TxDOT June 1993	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				21



TCP (1-2a)

ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)



TCP (1-2b)

ONE LANE TWO-WAY CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L=WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
8. R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-12

DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT

REVISIONS
4-90 2-12
2-94
1-97
4-98

CONT	SECT	JOB	HIGHWAY

DIST	COUNTY	SHEET NO.
		22

GENERAL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OR ENGINEER IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT ARE PRESENT ON SITE.

ALL TOPSOIL PLANTS AND OTHER ORGANIC MATERIAL SHALL BE REMOVED. THE EXPOSED SURFACE SHALL BE SCARIFIED, MOISTENED IF NECESSARY, AND COMPACTED IN THE MANNER SPECIFIED FOR SUBSEQUENT LAYERS (95% OF MAXIMUM DENSITY).

FILL MATERIAL SHALL BE CLEAN EARTH, FREE OF ALL OBJECTIONABLE AND FOREIGN OBJECTS.

FILL MATERIAL, BASE AND SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698, METHOD (STANDARD PROCTOR TEST). CONTENT SHALL BE +/- 2% OF OPTIMUM MOISTURE CONTENT. FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES THICKNESS AFTER COMPACTION.

FILL MATERIAL AND COMPACTION SHALL BE CERTIFIED BY A QUALIFIED INDEPENDENT MATERIAL TESTING LABORATORY.
AN EROSION PREVENTION PLAN SHALL BE IMPLEMENTED TO PREVENT FILL EROSION AT PERIMETER OF BUILDING.

SITE GRADING AND DRAINAGE AROUND THE FOUNDATION SHALL BE MAINTAINED AT ALL TIMES IN SUCH A MANNER THAT SURFACE OR GROUND WATER WILL DRAIN AWAY FROM THE FOUNDATION.

VAPOR BARRIER SHALL BE A MINIMUM OF .006" POLYETHYLENE SHEETING. SHEETING SHALL COVER ALL AREAS.

ALL CONCRETE FOR FOUNDATION BEAMS AND SLABS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (ACI 318, LATEST EDITION).

CONCRETE SHALL BE VIBRATED AS REQUIRED AND IN ACCORDANCE TO MINIMIZE HONEY-COMBING IN ALL GRADE BEAMS.

REBAR REINFORCEMENT SHALL BE SECURELY SUPPORTED WITH 2 1/2" PLASTIC CHAIRS, REBAR STAKES AND/OR BOLSTERS TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AT EVERY OTHER INTERSECTION.

REBAR REINFORCEMENT: ASTM A-615, GRADE 60 UNLESS APPROVED OTHERWISE.

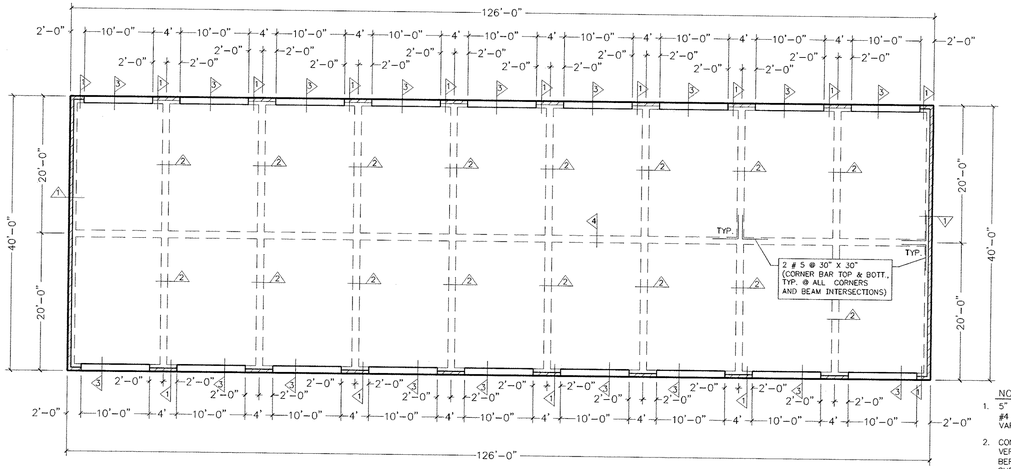
STIRRUPS AND TIES: ASTM A-615, #3 @ 36" O.C., GRADE 40 UNLESS NOTED OTHERWISE.

CORNER BARS: 2 #6 @ 30" LONG AT EACH LEG WITH TWO AT TOP AND TWO AT BOTTOM SHALL BE PROVIDED AT EACH EXTERIOR CORNER AND BEAM INTERSECTIONS.

WELDED WIRE MESH (W.W.M.) SHALL CONFORM TO ASTM A-185.

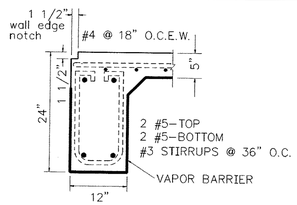
MINIMUM LAP AND SPLICE LENGTH FOR A REINFORCEMENT BAR SHALL BE 40 TIMES THE BAR DIAMETER OF THE LARGER DIAMETER BAR, BUT NOT LESS THAN 12 INCHES.

MINIMUM COVER OF 3" AT THE BOTTOM OF THE BEAM AND 2" AT THE BEAM SIDES SHALL BE PROVIDED FOR ALL REINFORCING STEEL. MATT STEEL SHALL HAVE A MINIMUM OF 2" OF TOP COVER, UNLESS NOTED OTHERWISE.

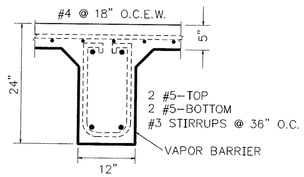


BUILDING TYPE C
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 5,040 SF



CROSS SECTION 1
NTS



CROSS SECTION 2
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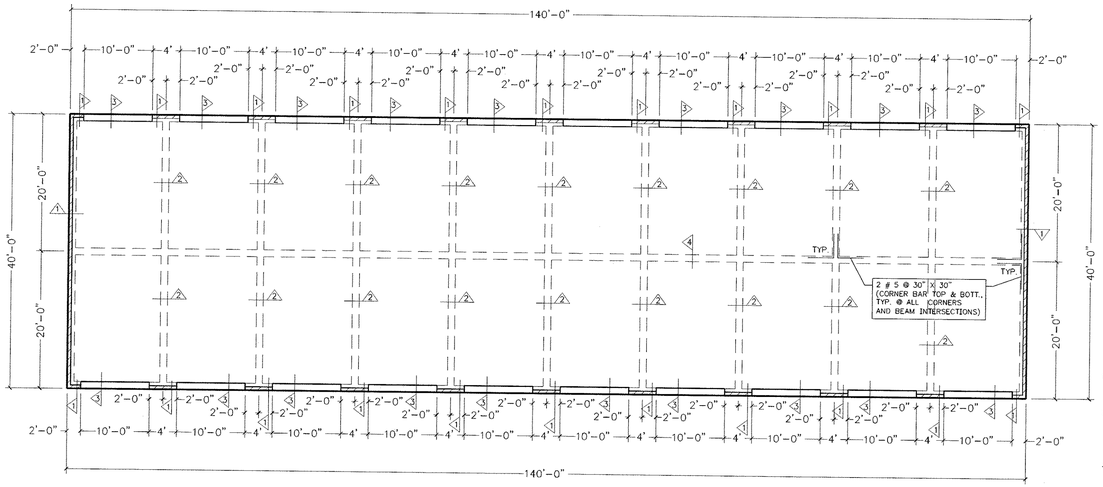
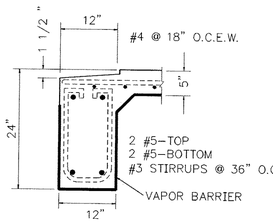


BUILDING TYPE B
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 5,600 SF



CROSS SECTION 3
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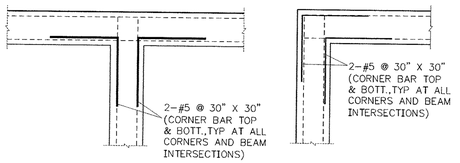
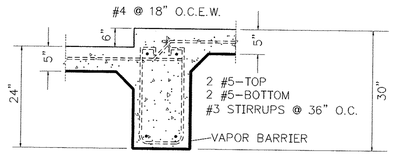
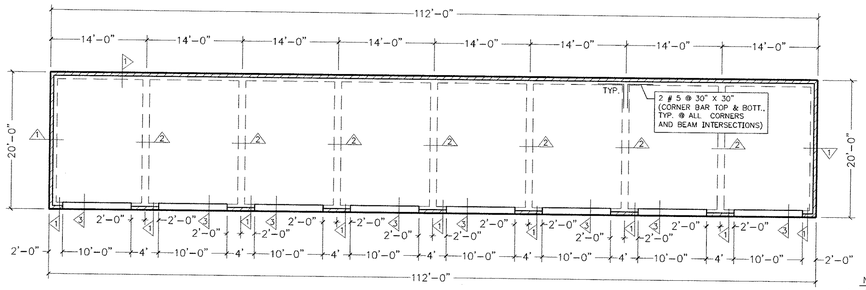


TYPICAL CORNER BAR DETAIL
NTS



CROSS SECTION 4
NTS



BUILDING TYPE A
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 2,240 SF

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

02
2/11/15

FOUNDATION PLAN TYPE A, B AND C

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	1"=20''
SCALE 24x36:	1"=10'
JOB #:	
FILE NAME:	
SHEET	23

$DATE$
$FILE$

GENERAL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OR ENGINEER IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT ARE PRESENT ON SITE.

ALL TOPSOIL PLANTS AND OTHER ORGANIC MATERIAL SHALL BE REMOVED. THE EXPOSED SURFACE SHALL BE SCARIFIED, MOISTENED IF NECESSARY, AND COMPACTED IN THE MANNER SPECIFIED FOR SUBSEQUENT LAYERS (95% OF MAXIMUM DENSITY).

FILL MATERIAL SHALL BE CLEAN EARTH, FREE OF ALL OBJECTIONABLE AND FOREIGN OBJECTS.

FILL MATERIAL, BASE AND SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698, METHOD (STANDARD PROCTOR TEST). CONTENT SHALL BE +/- 2% OF OPTIMUM MOISTURE CONTENT. FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES THICKNESS AFTER COMPACTION.

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VAPOR BARRIER SHALL BE A MINIMUM OF .006" POLYETHYLENE SHEETING. SHEETING SHALL COVER ALL AREAS.

ALL CONCRETE FOR FOUNDATION BEAMS AND SLABS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (ACI 318, LATEST EDITION).

CONCRETE SHALL BE VIBRATED AS REQUIRED AND IN ACCORDANCE TO MINIMIZE HONEY-COMBING IN ALL GRADE BEAMS.

REBAR REINFORCEMENT SHALL BE SECURELY SUPPORTED WITH 2 1/2" PLASTIC CHAIRS, REBAR STAKES AND/OR BOLSTERS TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AT EVERY OTHER INTERSECTION.

REBAR REINFORCEMENT: ASTM A-615, GRADE 60 UNLESS APPROVED OTHERWISE.

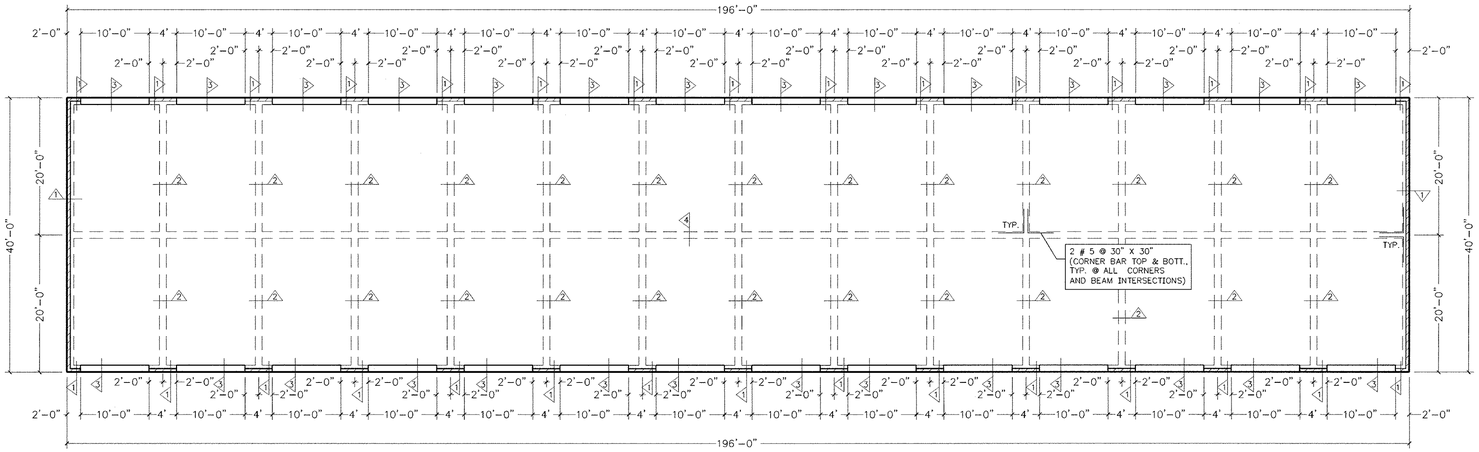
STIRRUPS AND TIES: ASTM A-615, #3 @ 36" O.C., GRADE 40 UNLESS NOTED OTHERWISE.

CORNER BARS: 2 #6 @ 30" LONG AT EACH LEG WITH TWO AT TOP AND TWO AT BOTTOM SHALL BE PROVIDED AT EACH EXTERIOR CORNER AND BEAM INTERSECTIONS.

WELDED WIRE MESH (W.W.M.) SHALL CONFORM TO ASTM A-185.

MINIMUM LAP AND SPLICE LENGTH FOR A REINFORCEMENT BAR SHALL BE 40 TIMES THE BAR DIAMETER OF THE LARGER DIAMETER BAR, BUT NOT LESS THAN 12 INCHES.

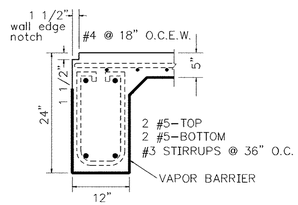
MINIMUM COVER OF 3" AT THE BOTTOM OF THE BEAM AND 2" AT THE BEAM SIDES SHALL BE PROVIDED FOR ALL REINFORCING STEEL. MATT STEEL SHALL HAVE A MINIMUM OF 2" OF TOP COVER, UNLESS NOTED OTHERWISE.



BUILDING TYPE E

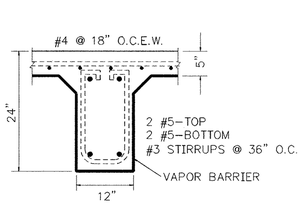
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK, THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 7,840 SF



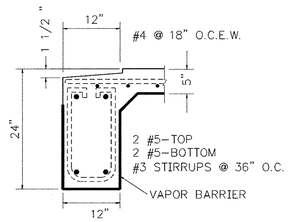
CROSS SECTION 1

NTS



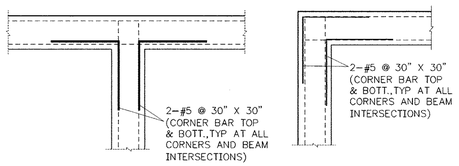
CROSS SECTION 2

NTS



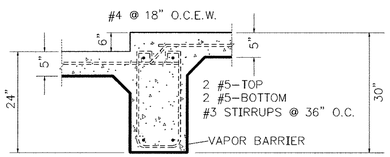
CROSS SECTION 3

NTS



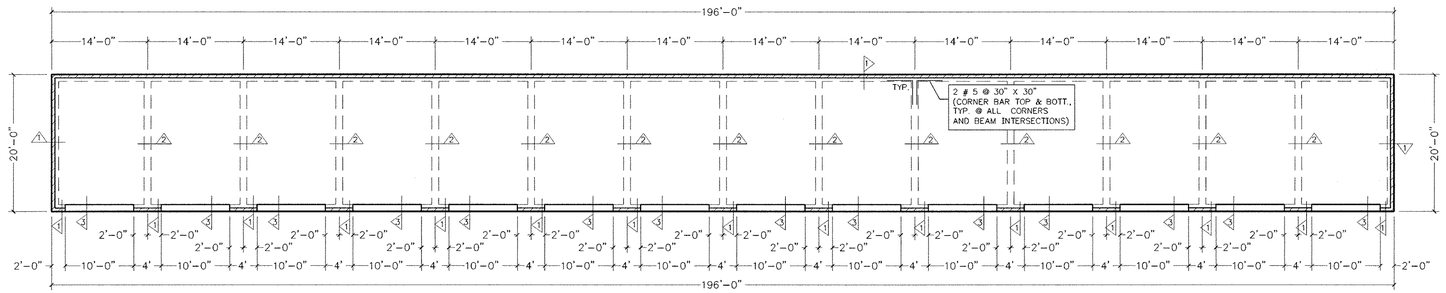
TYPICAL CORNER BAR DETAIL

NTS



CROSS SECTION 4

NTS



BUILDING TYPE D

FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK, THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 3,920 SF

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER

02 2/11/15

FOUNDATION PLAN TYPE D AND E

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	1"=20''
SCALE 24x36:	1"=10'
JOB #:	
FILE NAME:	
SHEET	24

$DATE$
$FILE$

GENERAL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OR ENGINEER IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT ARE PRESENT ON SITE.

ALL TOPSOIL PLANTS AND OTHER ORGANIC MATERIAL SHALL BE REMOVED. THE EXPOSED SURFACE SHALL BE SCARIFIED, MOISTENED IF NECESSARY, AND COMPACTED IN THE MANNER SPECIFIED FOR SUBSEQUENT LAYERS (95% OF MAXIMUM DENSITY).

FILL MATERIAL SHALL BE CLEAN EARTH, FREE OF ALL OBJECTIONABLE AND FOREIGN OBJECTS.

FILL MATERIAL, BASE AND SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698, METHOD (STANDARD PROCTOR TEST). CONTENT SHALL BE +/- 2% OF OPTIMUM MOISTURE CONTENT. FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES THICKNESS AFTER COMPACTION.

FILL MATERIAL AND COMPACTION SHALL BE CERTIFIED BY A QUALIFIED INDEPENDENT MATERIAL TESTING LABORATORY.
AN EROSION PREVENTION PLAN SHALL BE IMPLEMENTED TO PREVENT FILL EROSION AT PERIMETER OF BUILDING.

SITE GRADING AND DRAINAGE AROUND THE FOUNDATION SHALL BE MAINTAINED AT ALL TIMES IN SUCH A MANNER THAT SURFACE OR GROUND WATER WILL DRAIN AWAY FROM THE FOUNDATION.

VAPOR BARRIER SHALL BE A MINIMUM OF .006" POLYETHYLENE SHEETING. SHEETING SHALL COVER ALL AREAS INCLUDING ANY ATTACHED GARAGE.

ALL CONCRETE FOR FOUNDATION BEAMS AND SLABS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (ACI 318, LATEST EDITION).

CONCRETE SHALL BE VIBRATED AS REQUIRED AND IN ACCORDANCE TO MINIMIZE HONEY-COMBING IN ALL GRADE BEAMS.

REBAR REINFORCEMENT SHALL BE SECURELY SUPPORTED WITH 2 1/2" PLASTIC CHAIRS, REBAR STAKES AND/OR BOLSTERS TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AT EVERY OTHER INTERSECTION.

REBAR REINFORCEMENT: ASTM A-615, GRADE 60 UNLESS APPROVED OTHERWISE.

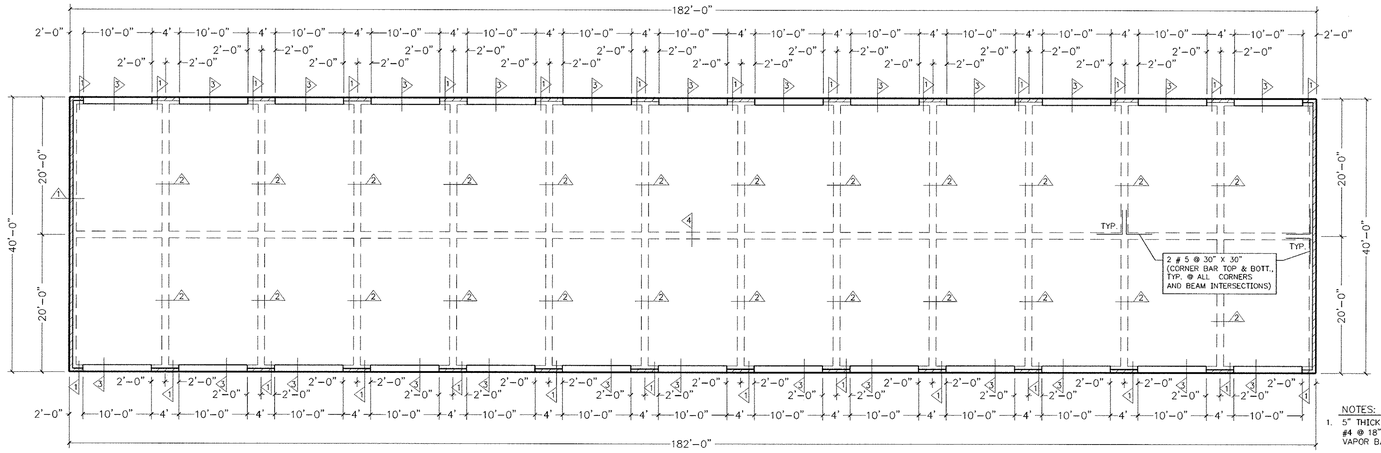
STIRRUPS AND TIES: ASTM A-615, #3 @ 36" O.C., GRADE 40 UNLESS NOTED OTHERWISE.

CORNER BARS: 2 #6 @ 30" LONG AT EACH LEG WITH TWO AT TOP AND TWO AT BOTTOM SHALL BE PROVIDED AT EACH EXTERIOR CORNER AND BEAM INTERSECTIONS.

WELDED WIRE MESH (W.W.M.) SHALL CONFORM TO ASTM A-185.

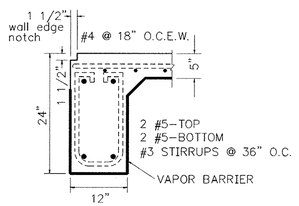
MINIMUM LAP AND SPLICE LENGTH FOR A REINFORCEMENT BAR SHALL BE 40 TIMES THE BAR DIAMETER OF THE LARGER DIAMETER BAR, BUT NOT LESS THAN 12 INCHES.

MINIMUM COVER OF 3" AT THE BOTTOM OF THE BEAM AND 2" AT THE BEAM SIDES SHALL BE PROVIDED FOR ALL REINFORCING STEEL. MATT STEEL SHALL HAVE A MINIMUM OF 2" OF TOP COVER, UNLESS NOTED OTHERWISE.

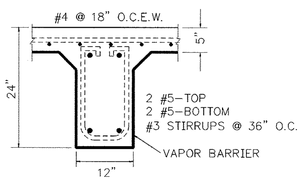


BUILDING TYPE J
FOUNDATION PLAN SCALE: 1"=10'

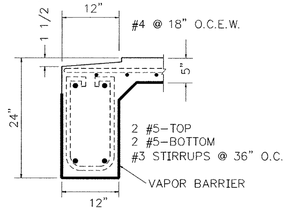
NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 7,280 SF



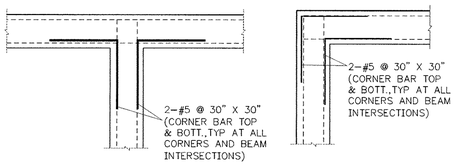
CROSS SECTION 1
NTS



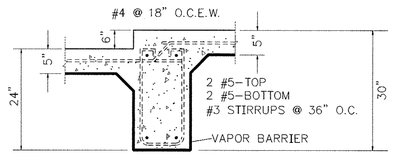
CROSS SECTION 2
NTS



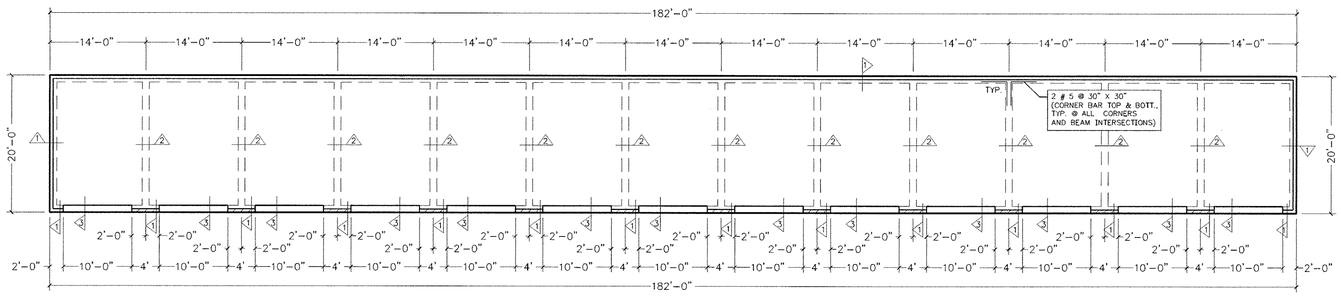
CROSS SECTION 3
NTS



TYPICAL CORNER BAR DETAIL
NTS



CROSS SECTION 4
NTS



BUILDING TYPE I
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 3,640 SF

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER
2/11/15

FOUNDATION PLAN
TYPE I AND J

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	1"=20''
SCALE 24x36:	1"=10'
JOB #:	
FILE NAME:	
SHEET	25

$DATE$
$FILE1$

GENERAL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OR ENGINEER IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT ARE PRESENT ON SITE.

ALL TOPSOIL PLANTS AND OTHER ORGANIC MATERIAL SHALL BE REMOVED. THE EXPOSED SURFACE SHALL BE SCARIFIED, MOISTENED IF NECESSARY, AND COMPACTED IN THE MANNER SPECIFIED FOR SUBSEQUENT LAYERS (95% OF MAXIMUM DENSITY).

FILL MATERIAL SHALL BE CLEAN EARTH, FREE OF ALL OBJECTIONABLE AND FOREIGN OBJECTS.

FILL MATERIAL, BASE AND SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698, METHOD (STANDARD PROCTOR TEST). CONTENT SHALL BE +/- 2% OF OPTIMUM MOISTURE CONTENT. FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES THICKNESS AFTER COMPACTION.

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AN EROSION PREVENTION PLAN SHALL BE IMPLEMENTED TO PREVENT FILL EROSION AT PERIMETER OF BUILDING.

SITE GRADING AND DRAINAGE AROUND THE FOUNDATION SHALL BE MAINTAINED AT ALL TIMES IN SUCH A MANNER THAT SURFACE OR GROUND WATER WILL DRAIN AWAY FROM THE FOUNDATION.

VAPOR BARRIER SHALL BE A MINIMUM OF .006" POLYETHYLENE SHEETING. SHEETING SHALL COVER ALL AREAS.

ALL CONCRETE FOR FOUNDATION BEAMS AND SLABS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (ACI 318, LATEST EDITION).

CONCRETE SHALL BE VIBRATED AS REQUIRED AND IN ACCORDANCE TO MINIMIZE HONEY-COMBING IN ALL GRADE BEAMS.

REBAR REINFORCEMENT SHALL BE SECURELY SUPPORTED WITH 2 1/2" PLASTIC CHAIRS, REBAR STAKES AND/OR BOLSTERS TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AT EVERY OTHER INTERSECTION.

REBAR REINFORCEMENT: ASTM A-615, GRADE 60 UNLESS APPROVED OTHERWISE.

STIRRUPS AND TIES: ASTM A-615, #3 @ 36" O.C., GRADE 40 UNLESS NOTED OTHERWISE.

CORNER BARS: 2 #6 @ 30" LONG AT EACH LEG WITH TWO AT TOP AND TWO AT BOTTOM SHALL BE PROVIDED AT EACH EXTERIOR CORNER AND BEAM INTERSECTIONS.

WELDED WIRE MESH (W.W.M.) SHALL CONFORM TO ASTM A-185.

MINIMUM LAP AND SPLICE LENGTH FOR A REINFORCEMENT BAR SHALL BE 40 TIMES THE BAR DIAMETER OF THE LARGER DIAMETER BAR, BUT NOT LESS THAN 12 INCHES.

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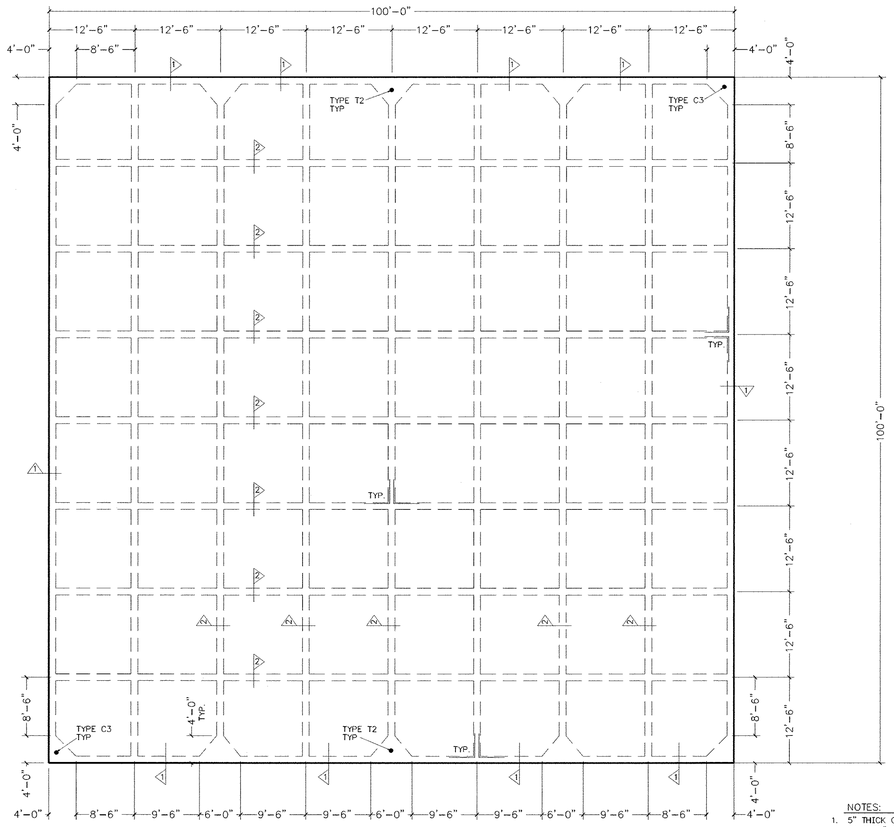
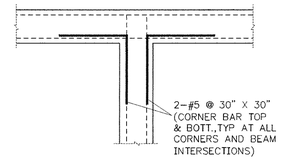


OPEN WAREHOUSE (TYPE "F")

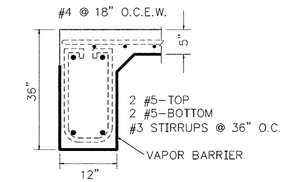
FOUNDATION PLAN SCALE: 1"=10'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W. CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 10,000 SF
4. REFER TO STRUCTURAL PLANS FOR STRUCTURE ANCHOR BOLT REQUIREMENTS



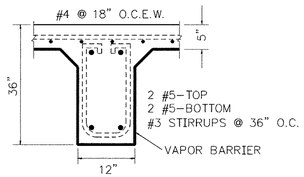
TYPICAL CORNER BAR DETAIL

NTS



CROSS SECTION 1

NTS

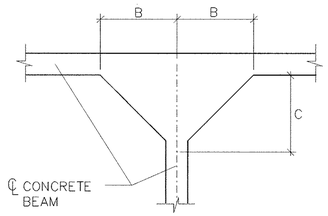


CROSS SECTION 2

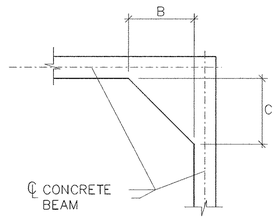
NTS

FOOTING SCHEDULE					
TYPE	A	B	C	D	REINFORCING
T1		2'-0"	2'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
T2		3'-0"	3'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
T3		4'-0"	4'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
T4		5'-0"	5'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
T5		6'-0"	6'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
T6		7'-0"	7'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S1	2'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S2	3'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S3	4'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S4	5'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S5	6-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S6	7'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
S7	8'-0"			3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C1		2'-0"	2'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C2		3'-0"	3'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C3		4'-0"	4'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C4		5'-0"	5'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C5		6'-0"	6'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
C6		7'-0"	7'-0"	3'-0"	#6'S @ 10" O.C. EW TOP & BOTT.
P1	1'-6"			3'-6"	(6) #5'S (V) $ #3 TIES @ 12" O.C.
P2	1'-6"			4'-0"	(6) #5'S (V) $ #3 TIES @ 12" O.C.
P3	1'-6"			5'-0"	(6) #5'S (V) $ #3 TIES @ 12" O.C.
P4	2'-0"			3'-6"	(6) #6'S (V) $ #3 TIES @ 12" O.C.
P5	2'-0"			4'-0"	(6) #6'S (V) $ #3 TIES @ 12" O.C.
P6	2'-0"				(6) #6'S (V) $ #3 TIES @ 12" O.C.

NOTE: D = FOOTING DEPTH BELOW FINISH FLOOR



TYPE "T2"



TYPE "C3"

DO-RITE INSPECTION SERVICES

1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

02
21115

FOUNDATION PLAN
TYPE F

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 11 / 15
REVICED DATE:	
SCALE 11x17:	1"=20''
SCALE 24x36:	1"=10'
JOB #:	
FILE NAME:	
SHEET	26

$DATE$
$FILE$

GENERAL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OR ENGINEER IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT ARE PRESENT ON SITE.

ALL TOPSOIL PLANTS AND OTHER ORGANIC MATERIAL SHALL BE REMOVED. THE EXPOSED SURFACE SHALL BE SCARIFIED, MOISTENED IF NECESSARY, AND COMPACTED IN THE MANNER SPECIFIED FOR SUBSEQUENT LAYERS (95% OF MAXIMUM DENSITY).

FILL MATERIAL SHALL BE CLEAN EARTH, FREE OF ALL OBJECTIONABLE AND FOREIGN OBJECTS.

FILL MATERIAL, BASE AND SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698, METHOD (STANDARD PROCTOR TEST). CONTENT SHALL BE +/- 2% OF OPTIMUM MOISTURE CONTENT. FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES THICKNESS AFTER COMPACTION.

FILL MATERIAL AND COMPACTION SHALL BE CERTIFIED BY A QUALIFIED INDEPENDENT MATERIAL TESTING LABORATORY.
AN EROSION PREVENTION PLAN SHALL BE IMPLEMENTED TO PREVENT FILL EROSION AT PERIMETER OF BUILDING.

SITE GRADING AND DRAINAGE AROUND THE FOUNDATION SHALL BE MAINTAINED AT ALL TIMES IN SUCH A MANNER THAT SURFACE OR GROUND WATER WILL DRAIN AWAY FROM THE FOUNDATION.

VAPOR BARRIER SHALL BE A MINIMUM OF .006" POLYETHYLENE SHEETING. SHEETING SHALL COVER ALL AREAS INCLUDING ANY ATTACHED GARAGE.

ALL CONCRETE FOR FOUNDATION BEAMS AND SLABS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (ACI 318, LATEST EDITION).

CONCRETE SHALL BE VIBRATED AS REQUIRED AND IN ACCORDANCE TO MINIMIZE HONEY-COMBING IN ALL GRADE BEAMS.

REBAR REINFORCEMENT SHALL BE SECURELY SUPPORTED WITH 2 1/2" PLASTIC CHAIRS, REBAR STAKES AND/OR BOLSTERS TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AT EVERY OTHER INTERSECTION.

REBAR REINFORCEMENT: ASTM A-615, GRADE 60 UNLESS APPROVED OTHERWISE.

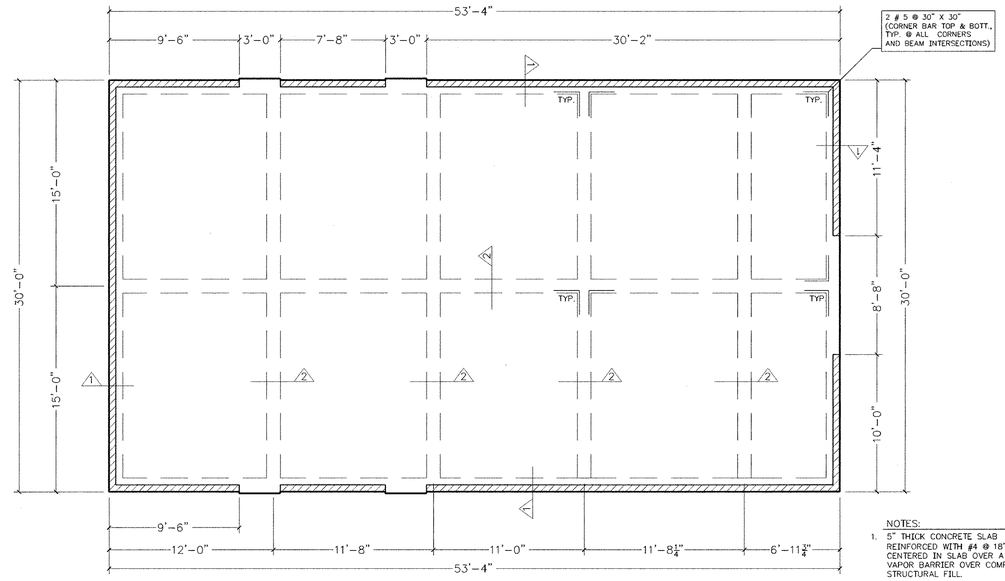
STIRRUPS AND TIES: ASTM A-615, #3 @ 36" O.C., GRADE 40 UNLESS NOTED OTHERWISE.

CORNER BARS: 2 #6 @ 30" LONG AT EACH LEG WITH TWO AT TOP AND TWO AT BOTTOM SHALL BE PROVIDED AT EACH EXTERIOR CORNER AND BEAM INTERSECTIONS.

WELDED WIRE MESH (W.W.M.) SHALL CONFORM TO ASTM A-185.

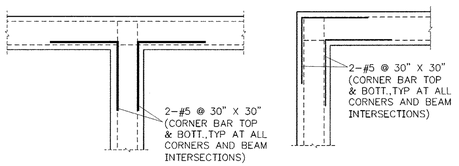
MINIMUM LAP AND SPLICE LENGTH FOR A REINFORCEMENT BAR SHALL BE 40 TIMES THE BAR DIAMETER OF THE LARGER DIAMETER BAR, BUT NOT LESS THAN 12 INCHES.

MINIMUM COVER OF 3" AT THE BOTTOM OF THE BEAM AND 2" AT THE BEAM SIDES SHALL BE PROVIDED FOR ALL REINFORCING STEEL. MATT STEEL SHALL HAVE A MINIMUM OF 2" OF TOP COVER, UNLESS NOTED OTHERWISE.

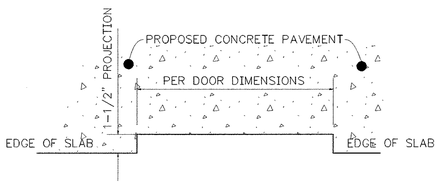


CONCESSION STAND (TYPE "G")
FOUNDATION PLAN SCALE: 1"=5'

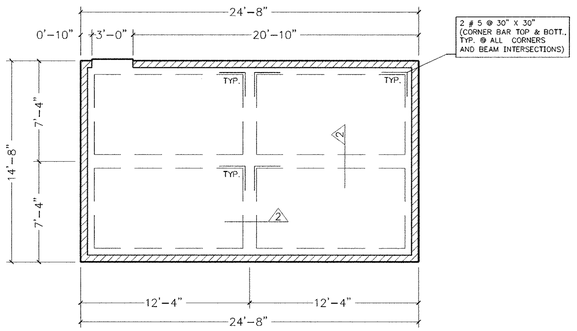
NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 1,600 SF



TYPICAL CORNER BAR DETAIL
NTS

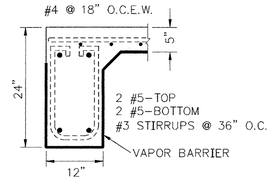


TYPICAL DOOR OPPENING
NTS

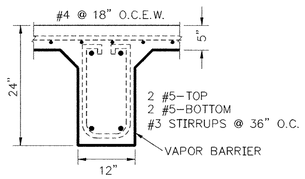


OFFICE (TYPE "H")
FOUNDATION PLAN SCALE: 1"=5'

NOTES:
1. 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 18" O.C.E.W CENTERED IN SLAB OVER A 6 MIL VAPOR BARRIER OVER COMPACTED STRUCTURAL FILL.
2. CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR/ SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER BEFORE THE WORK BEGUN.
3. TOTAL SQUARE FOOTAGE: 361.91 SF



CROSS SECTION 1
NTS



CROSS SECTION 2
NTS

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER
2/11/15

FOUNDATION PLAN TYPE G AND H

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 07 / 15
REVICED DATE:	
SCALE 11x17:	N/A
SCALE 24x36:	1"=5'
JOB #:	
FILE NAME:	
SHEET	27

$DATE$
$FILE$

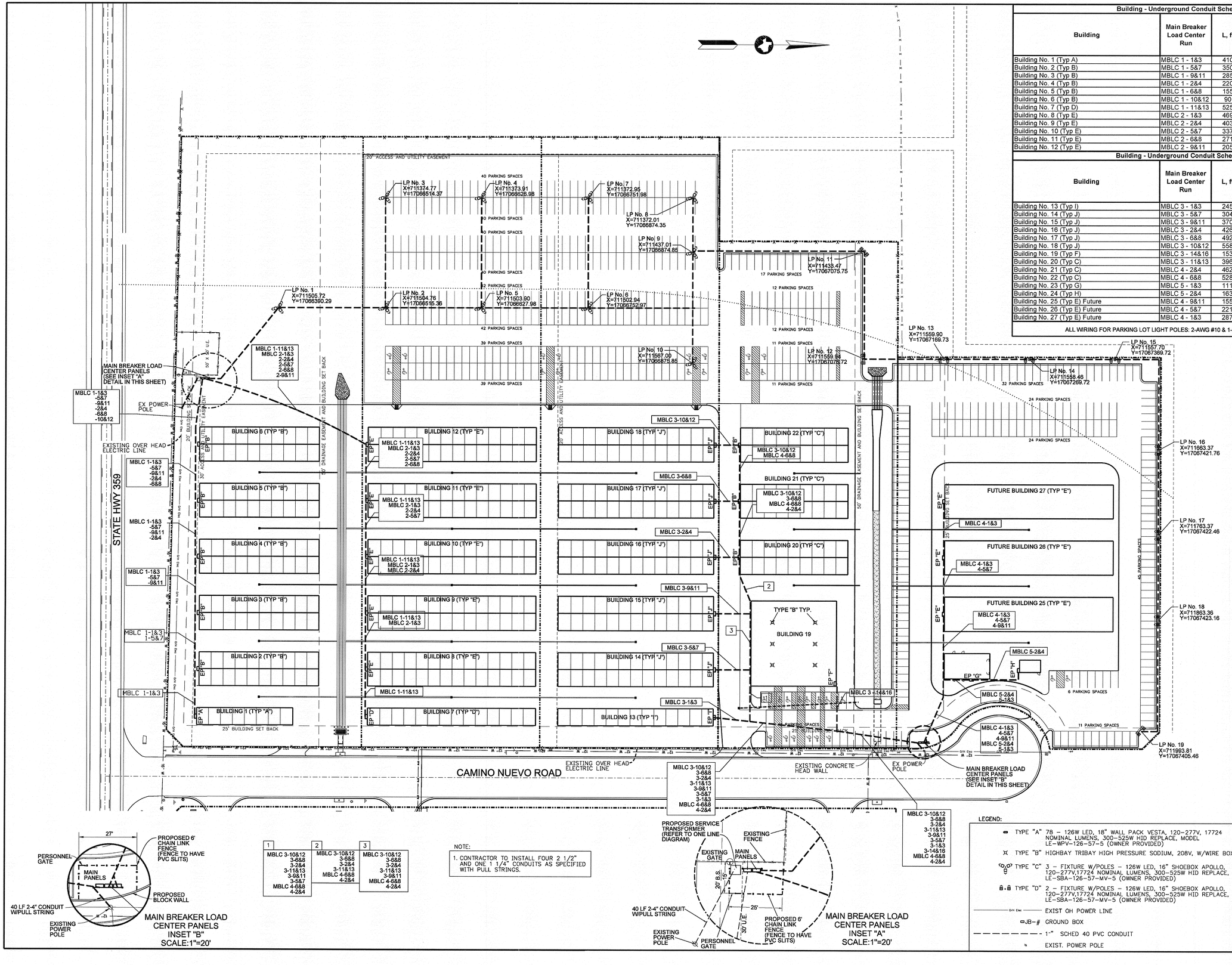
Building - Underground Conduit Schedule (MBLCP #1)

Building	Main Breaker Load Center Run	L, ft	AWG gauge	# of wires	Neutral AWG gauge	Ground AWG gauge	Conduit non-metallic Sch 40 XHHW
Building No. 1 (Typ A)	MBLC 1 - 1&3	410	3	2	4	10	1 1/4"
Building No. 2 (Typ B)	MBLC 1 - 5&7	350	1	2	2	6	1 1/4"
Building No. 3 (Typ B)	MBLC 1 - 9&11	285	2	2	3	6	1 1/4"
Building No. 4 (Typ B)	MBLC 1 - 2&4	220	3	2	4	6	1 1/4"
Building No. 5 (Typ B)	MBLC 1 - 6&8	155	4	2	6	6	1 1/4"
Building No. 6 (Typ B)	MBLC 1 - 10&12	90	6	2	8	6	1"
Building No. 7 (Typ D)	MBLC 1 - 11&13	525	2/O	2	1/O	8	2"
Building No. 8 (Typ E)	MBLC 2 - 1&3	469	3/O	2	2/O	6	2"
Building No. 9 (Typ E)	MBLC 2 - 2&4	403	3/O	2	2/O	6	2"
Building No. 10 (Typ E)	MBLC 2 - 5&7	337	2/O	2	1/O	6	2"
Building No. 11 (Typ E)	MBLC 2 - 6&8	271	1/O	2	1	6	2"
Building No. 12 (Typ E)	MBLC 2 - 9&11	205	2	2	3	6	1 1/4"

Building - Underground Conduit Schedule (MBLCP #B)

Building	Main Breaker Load Center Run	L, ft	AWG gauge	# of wires	Neutral AWG gauge	Ground AWG gauge	Conduit non-metallic Sch 40 XHHW
Building No. 13 (Typ I)	MBLC 3 - 1&3	245	3	2	4	10	1 1/4"
Building No. 14 (Typ J)	MBLC 3 - 5&7	304	1	2	2	6	1 1/4"
Building No. 15 (Typ J)	MBLC 3 - 9&11	370	2	2	3	6	1 1/4"
Building No. 16 (Typ J)	MBLC 3 - 2&4	426	3	2	4	6	1 1/4"
Building No. 17 (Typ J)	MBLC 3 - 6&8	492	4	2	6	6	1 1/4"
Building No. 18 (Typ J)	MBLC 3 - 10&12	558	6	2	8	6	1"
Building No. 19 (Typ F)	MBLC 3 - 14&16	153	4	2	6	8	1 1/4"
Building No. 20 (Typ C)	MBLC 3 - 11&13	396	4	2	6	8	1 1/4"
Building No. 21 (Typ C)	MBLC 4 - 2&4	462	2/O	2	1/O	8	2"
Building No. 22 (Typ C)	MBLC 4 - 6&8	528	3/O	2	2/O	6	2"
Building No. 23 (Typ G)	MBLC 5 - 1&3	111	3/O	2	2/O	6	2"
Building No. 24 (Typ H)	MBLC 5 - 2&4	163	2/O	2	1/O	6	2"
Building No. 25 (Typ E) Future	MBLC 4 - 9&11	155	1/O	2	1	6	2"
Building No. 26 (Typ E) Future	MBLC 4 - 5&7	221	2	2	3	6	1 1/4"
Building No. 27 (Typ E) Future	MBLC 4 - 1&3	287	2	2	3	6	1 1/4"

ALL WIRING FOR PARKING LOT LIGHT POLES: 2-AWG #10 & 1- #8 GRD W/3/4" SCH 40 PVC CONDUIT



1	2	3
MBLC 3-10&12 3-6&8 3-2&4 3-11&13 3-9&11 3-5&7 MBLC 4-6&8 4-2&4	MBLC 3-10&12 3-6&8 3-2&4 3-11&13 MBLC 4-6&8 4-2&4	MBLC 3-10&12 3-6&8 3-2&4 3-11&13 3-9&11 MBLC 4-6&8 4-2&4

NOTE:
1. CONTRACTOR TO INSTALL FOUR 2 1/2" AND ONE 1 1/4" CONDUITS AS SPECIFIED WITH PULL STRINGS.

LEGEND:

- TYPE "A" 78 – 126W LED, 18" WALL PACK VESTA, 120–277V, 17724 NOMINAL LUMENS, 300–525W HID REPLACE, MODEL LE-WPV-126-57-5 (OWNER PROVIDED)
- TYPE "B" HIGHBAY TRIBAY HIGH PRESSURE SODIUM, 208V, W/WIRE BOX
- TYPE "C" 3 – FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120–277V,17724 NOMINAL LUMENS, 300–525W HID REPLACE, LE-SBA-126-57-MV-5 (OWNER PROVIDED)
- TYPE "D" 2 – FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120–277V,17724 NOMINAL LUMENS, 300–525W HID REPLACE, LE-SBA-126-57-MV-5 (OWNER PROVIDED)
- O/H Elec — EXIST OH POWER LINE
- JB–# GROUND BOX
- 1–" SCHED 40 PVC CONDUIT
- EXIST. POWER POLE

DO–RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286–2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED
PROFESSIONAL ENGINEER
11/6/15

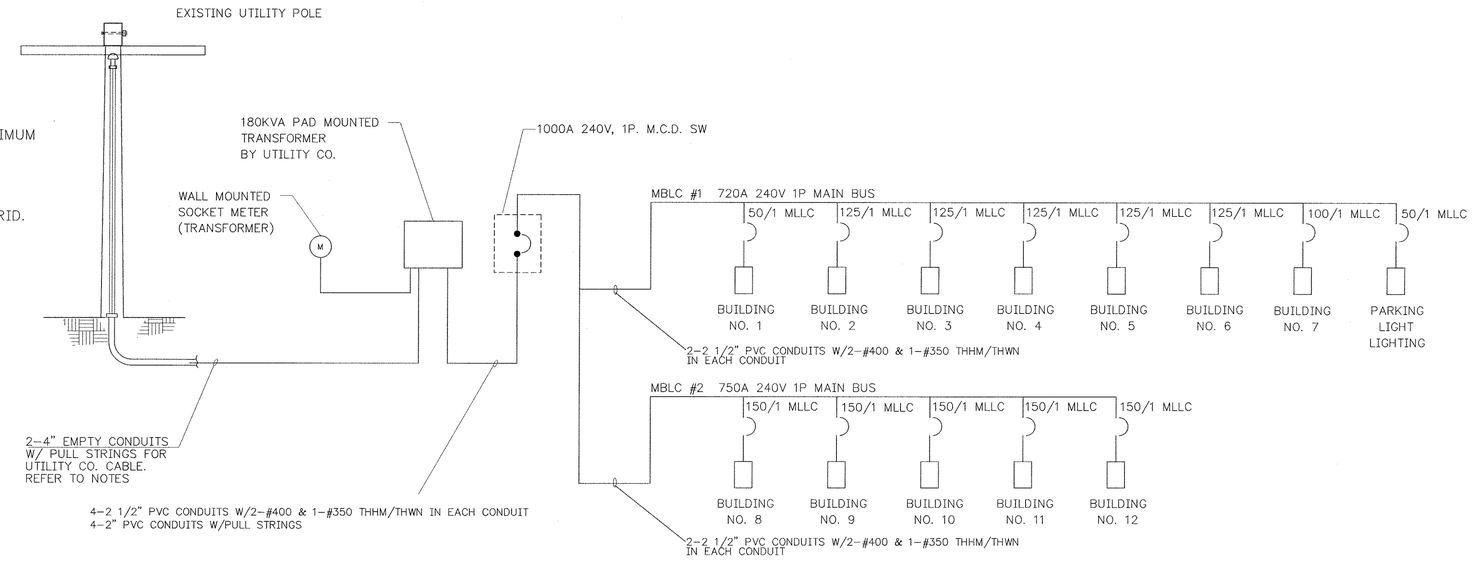
ELECTRICAL SITE PLAN

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 15 / 15
SCALE 11x17:	1"=100'
SCALE 24x36:	1"=50'
JOB #:	
FILE NAME:	
SHEET	28

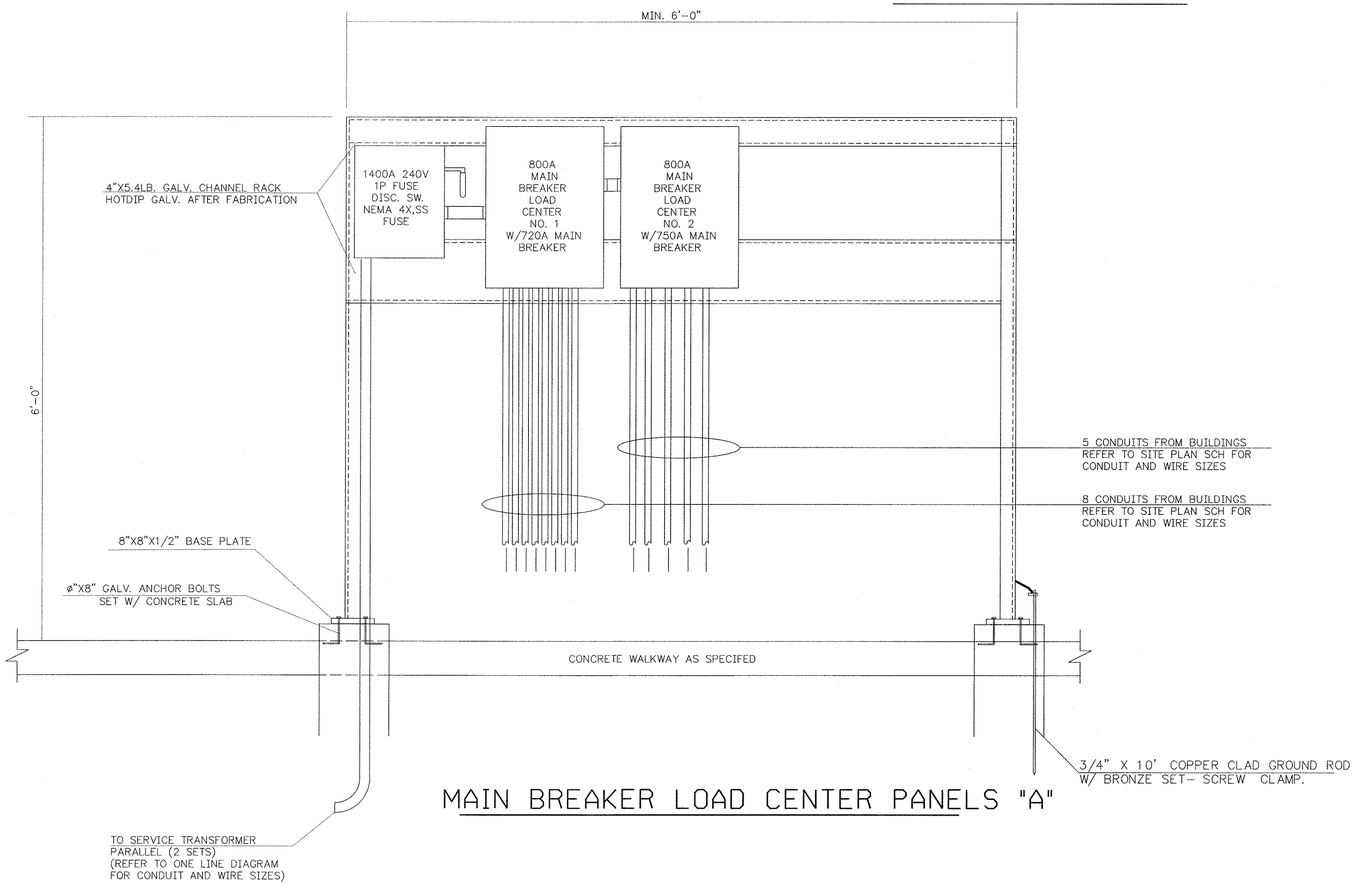
$DATE$
$FILE$

NOTES:
1) STUB UP AND CAP EMPTY CONDUITS @ UTILITY POLE PER UTILITY COMPANY STANDARDS.
2) PROVIDE TRANSFORMER FOUNDATION PER UTILITY COMPANY STANDARDS
3) UNDERGROUND CONDUITS CONTAINING HIGH VOLTAGE CABLES SHALL BE BURIED 36" MINIMUM AND ENCASED IN RED CONCRETE W/ MIN. 4" COVER TOP BOTTOM AND SIDES.
4) CONTRACTOR TO COORDINATE OBTAINING SERVICE FROM UTILITY COMPANY.
5) ALL CONDUIT INSTALLED ABOVE GRADE SHALL BE GALV. RIGID STEEL INCLUDING FITTING,HUBS,LOCKNUTS AND MOUNTING HARDWARE.
6) GROUND THE CHANNEL RACK AND ELECTRICAL EQUIPMENT TO THE PERIMETER GROUND GRID.
7) ALL ELECTRICAL CONCRETE SHALL BE 3000 PSI @ 24 DAYS UNLESS OTHERWISE NOTED.

LEGEND:
MBLC: MAIN BREAKER LOAD CENTER
MLLC: MAIN LUGS LOAD CENTER



ONE LINE DIAGRAM "A"



MAIN BREAKER LOAD CENTER PANELS "A"

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/12/15

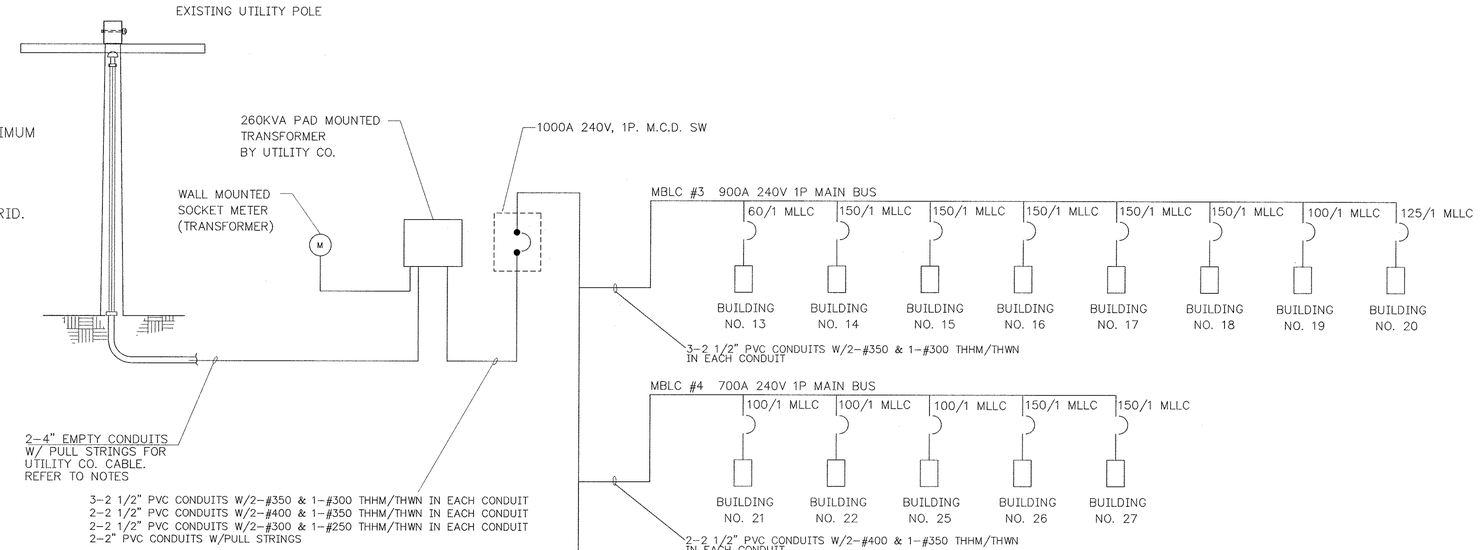
ONE LINE DIAGRAM AND ELECTRICAL SWITCH RACK LAYOUT

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 20 / 15
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	29

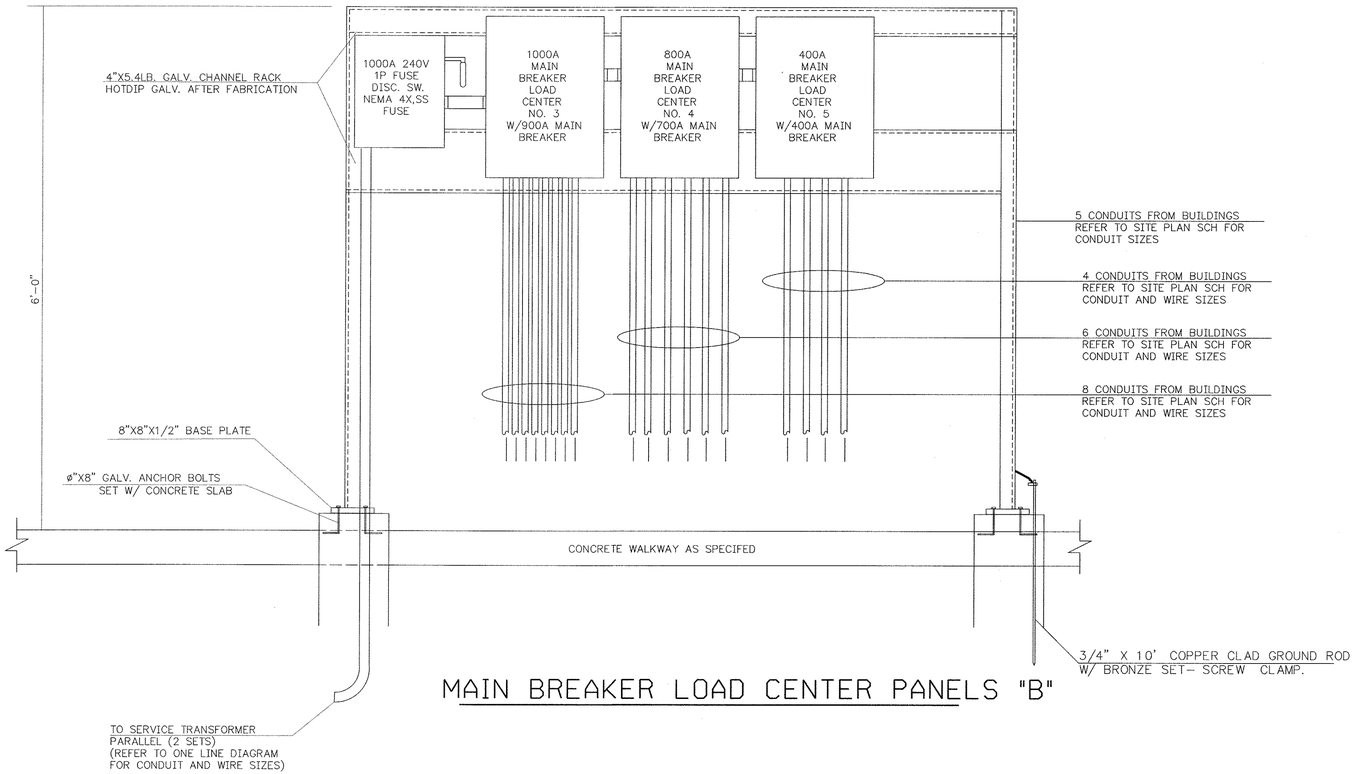
$DATE$
$FILE$

NOTES:
1) STUB UP AND CAP EMPTY CONDUITS @ UTILITY POLE PER UTILITY COMPANY STANDARDS.
2) PROVIDE TRANSFORMER FOUNDATION PER UTILITY COMPANY STANDARDS
3) UNDERGROUND CONDUITS CONTAINING HIGH VOLTAGE CABLES SHALL BE BURIED 36" MINIMUM AND ENCASED IN RED CONCRETE W/ MIN. 4" COVER TOP BOTTOM AND SIDES.
4) CONTRACTOR TO COORDINATE OBTAINING SERVICE FROM UTILITY COMPANY.
5) ALL CONDUIT INSTALLED ABOVE GRADE SHALL BE GALV. RIGID STEEL INCLUDING FITTING,HUBS,LOCKNUTS AND MOUNTING HARDWARE.
6) GROUND THE CHANNEL RACK AND ELECTRICAL EQUIPMENT TO THE PERIMETER GROUND GRID.
7) ALL ELECTRICAL CONCRETE SHALL BE 3000 PSI @ 24 DAYS UNLESS OTHERWISE NOTED.

LEGEND:
MBLC: MAIN BREAKER LOAD CENTER
MLLC: MAIN LUGS LOAD CENTER



ONE LINE DIAGRAM "B"



MAIN BREAKER LOAD CENTER PANELS "B"

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

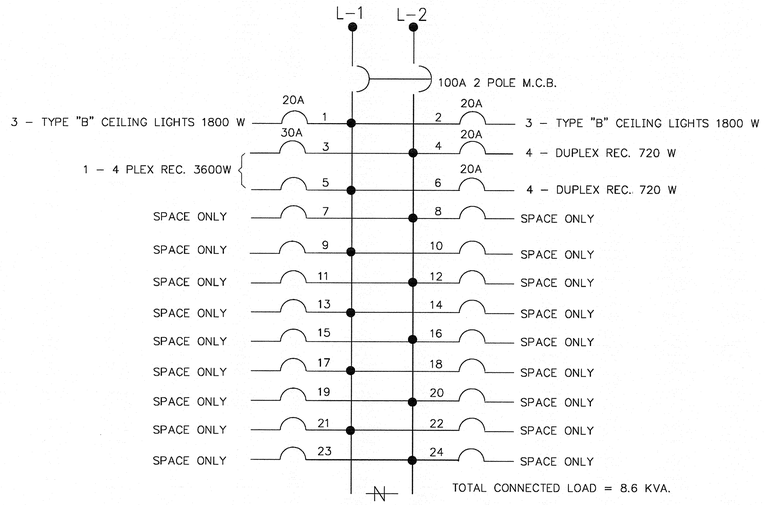
JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER
4/12/15

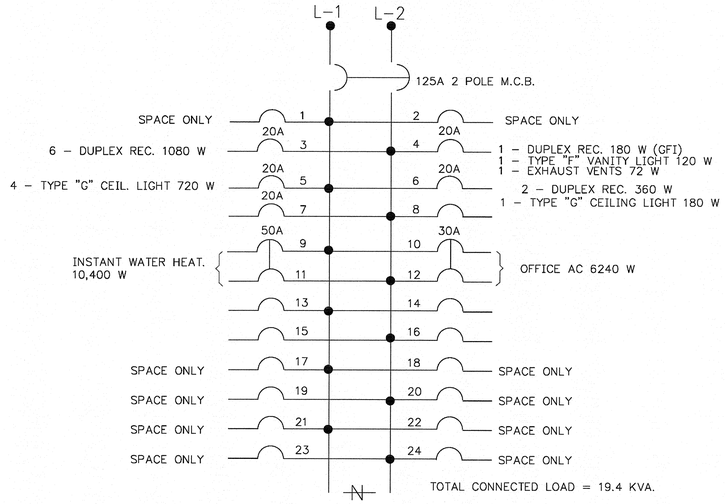
ONE LINE DIAGRAM AND ELECTRICAL SWITCH RACK LAYOUT

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	04 / 20 / 15
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	29A

$DATE$
$FILE$



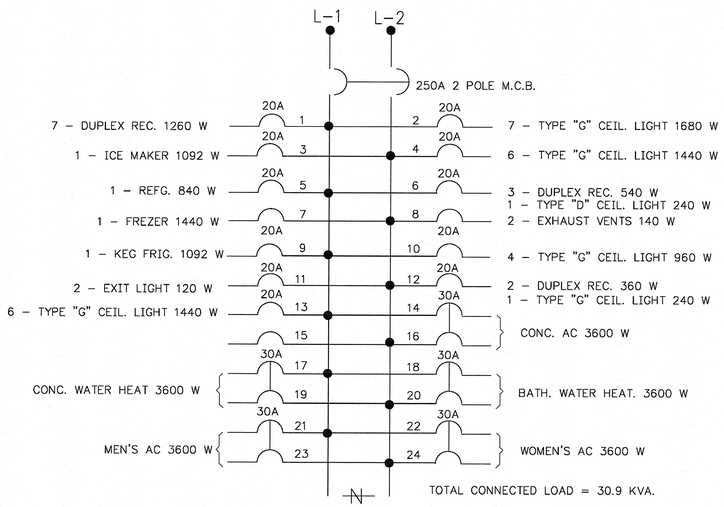
E.P.-F
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers



E.P.-H
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers

LIGHT FIXTURES

TYPE "A" – 126W LED, 18" WALL PACK VESTA, 120-277V, 17724 NOMINAL LUMENS, 300-525W HID REPLACE, MODEL LE-WPV-126-57-5
TYPE "B" – HIGHBAY TRIBAY HIGH PRESSURE SODIUM, 208V, W/WIRE BOX
TYPE "C" – 3 FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120-277V,17724 NOMINAL LUMENS, 300-525W HID REPLACE, LE-SBA-126-57-MV-5
TYPE "D" – 2 FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120-277V,17724 NOMINAL LUMENS, 300-525W HID REPLACE, LE-SBA-126-57-MV-5
TYPE "E" – LOW-PROFILE WRAP, FLORESCENT LIGHT FIXTURE, SERIES 18, 4', 32-WATT T8, EB4, 120V
TYPE "F" – FEIT ELECTRIC 3-LIGHT VANITY 24 WATT LED FIXTURE, MODEL No.73960
TYPE "G" – ARCHITECTURAL HIGH-OUTPUT, FLORESCENT LIGHT FIXTURE, 4', 32-WATT T8, EB4, 120V



E.P.-G
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

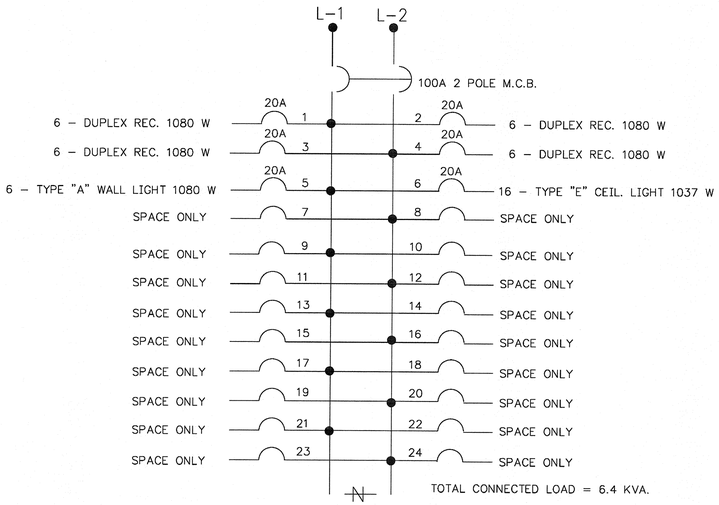
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/16/15

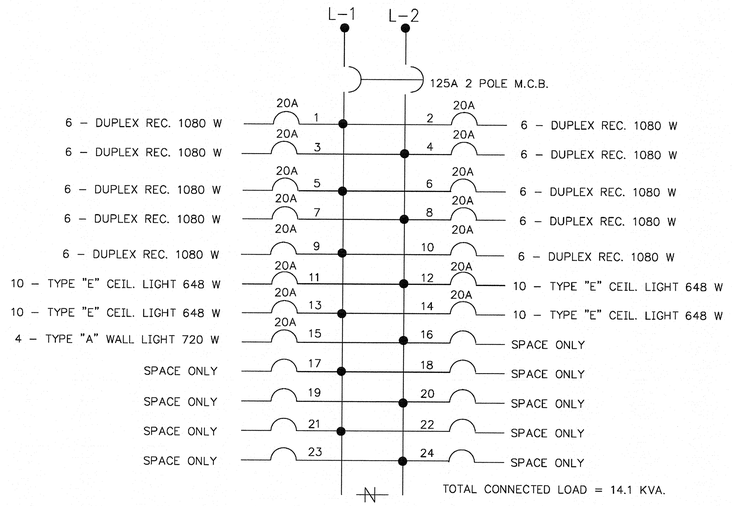
CIRCUIT BREAKERS DETAILS

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	30

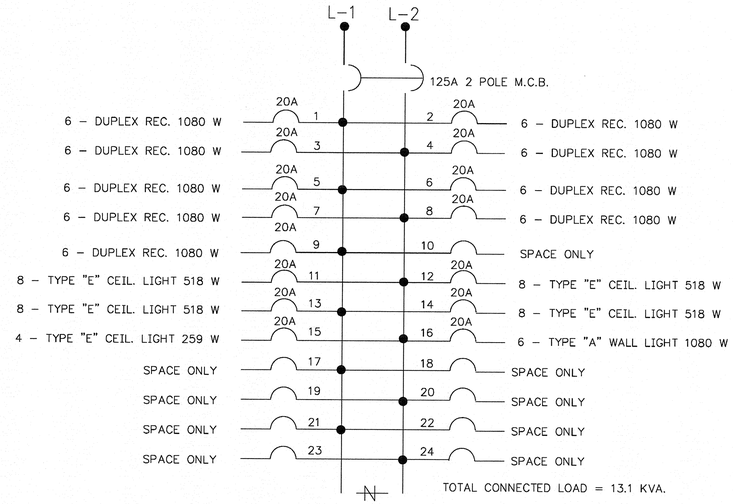
$DATE$
$FILE$



E.P.-A
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers



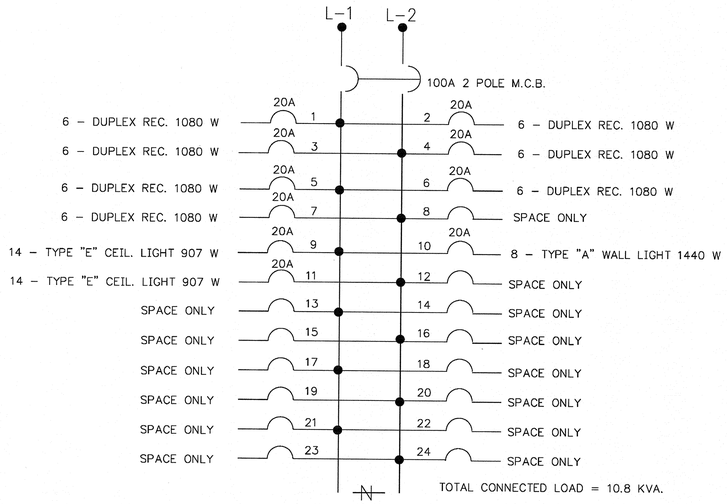
E.P.-B
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers



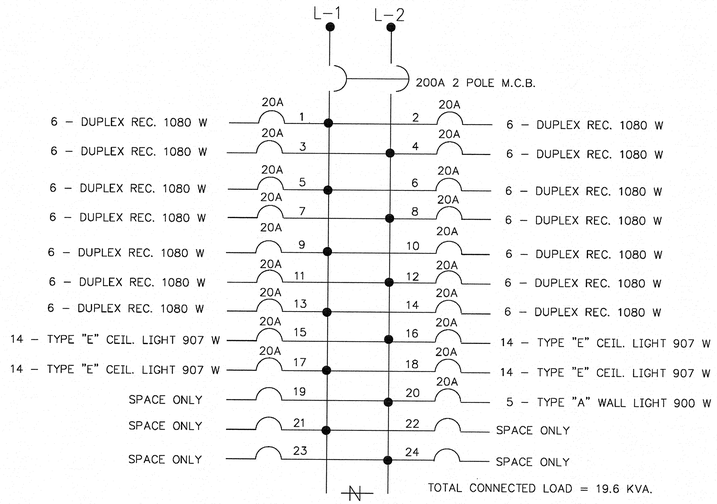
E.P.-C
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers

LIGHT FIXTURES

TYPE "A" – 126W LED, 18" WALL PACK VESTA, 120-277V, 17724 NOMINAL LUMENS, 300-525W HID REPLACE, MODEL LE-WPV-126-57-5
TYPE "B" – HIGHBAY TRIBAY HIGH PRESSURE SODIUM, 208V, W/WIRE BOX
TYPE "C" – 3 FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120-277V,17724 NOMINAL LUMENS, 300-525W HID REPLACE, LE-SBA-126-57-MV-5
TYPE "D" – 2 FIXTURE W/POLES – 126W LED, 16" SHOEBOX APOLLO, 120-277V,17724 NOMINAL LUMENS, 300-525W HID REPLACE, LE-SBA-126-57-MV-5
TYPE "E" – LOW-PROFILE WRAP, FLORESCENT LIGHT FIXTURE, SERIES 18, 4', 32-WATT T8, EB4, 120V
TYPE "F" – FEIT ELECTRIC 3-LIGHT VANITY 24 WATT LED FIXTURE, MODEL No.73960
TYPE "G" – ARCHITECTURAL HIGH-OUTPUT, FLORESCENT LIGHT FIXTURE, 4', 32-WATT T8, EB4, 120V



E.P.-D
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers



E.P.-E
120/240 V, 1 PHASE, 3W, 60 Hz,
NEMA III R Bolt-In Style Circuit Breakers

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

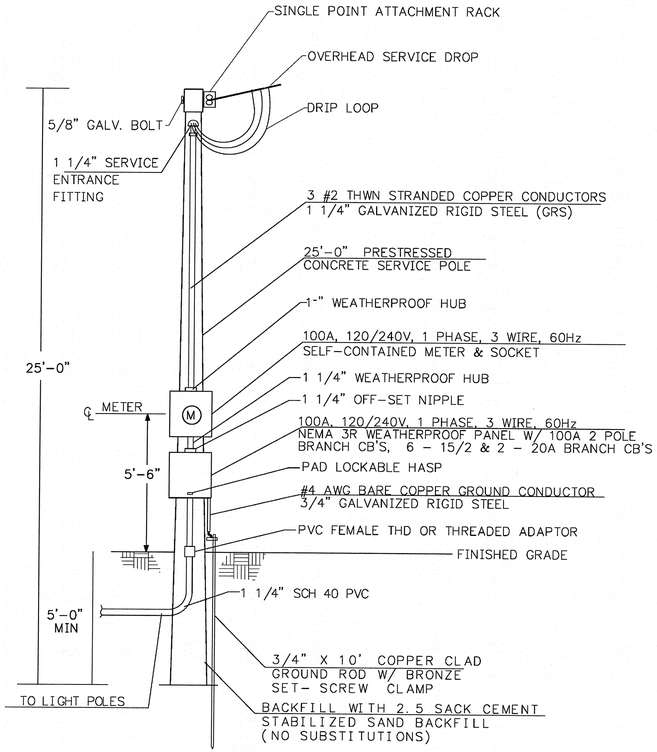
STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

1/16/15

CIRCUIT BREAKERS DETAILS

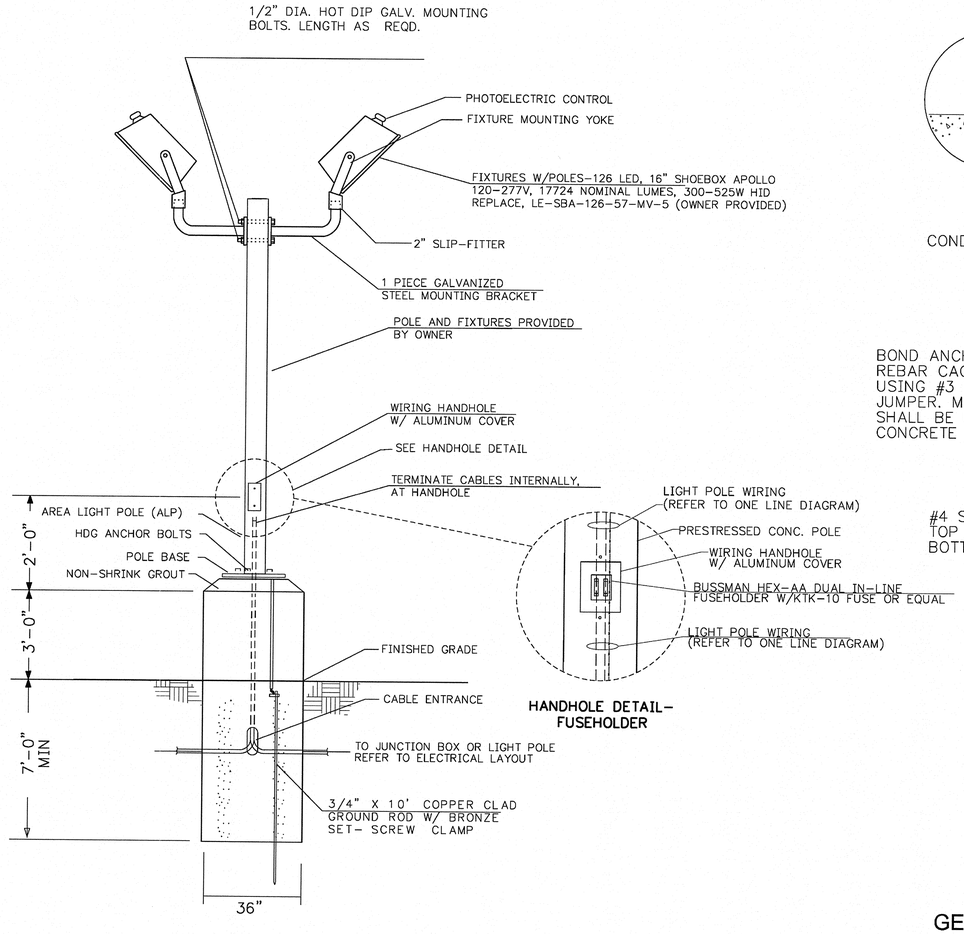
DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	30A

$DATE$
$FILE$



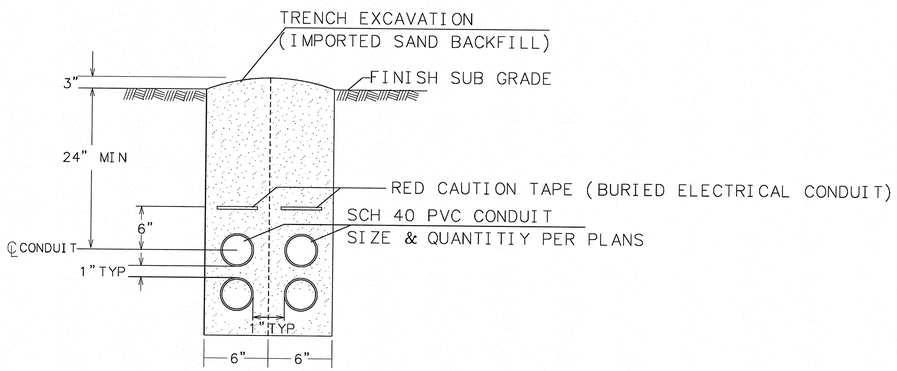
PARKING LOT LIGHTING SERVICE POLE

NOTE: CONTRACTOR TO PAY SPECIAL ATTENTION TO THE INSTALLATION OF POLES. NO PAYMENT WILL BE MADE TO CONTRACTOR UNTIL IT IS DEMONSTRATED TO THE ENGINEER THAT ALL POLES HAVE BEEN INSTALLED IN THE CORRECT LOCATION WITH PROPER ORIENTATION AND ARE 100% TRUE & PLUMB.

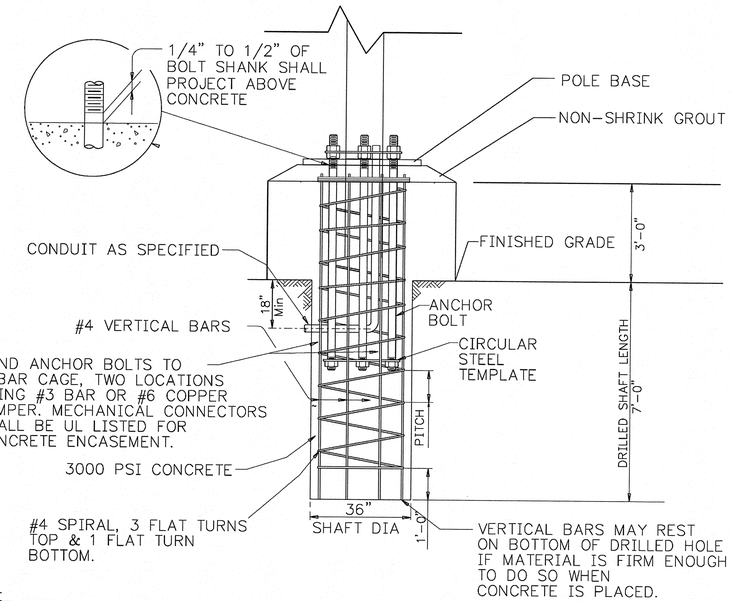


TYPE "C" AND "D" LIGHT FIXTURE & POLE

NOTE: POLE AND LIGHT FIXTURES TO BE PROVIDED BY OWNER



BURIED CONDUIT DETAIL



LIGHT POLE CONCRETE BASE

GENERAL ELECTRICAL NOTES

(1) ALL CONDUIT INSTALLED ABOVE FINISH GRADE OR FINISH FLOOR SHALL BE SCHEDULE 40 GALVANIZED RIGID CONDUIT WITH GALVANIZED MALLEABLE IRON FITTINGS, SUPPORTS & CLAMPS.

(2) ALL CONDUIT INSTALLED BELOW GRADE SHALL BE SCHEDULE 40 PVC BURIED A MINIMUM OF 24 INCHES BELOW SUB-GRADE OR FINISH GRADE IN NON PAVED AREAS. PREASSEMBLED LIGHTING CONDUIT. THWN STRANDED COPPER CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS.

(3) ALL TOGGLE SWITCHES AND DUPLEX RECEPTACLES "NEMA 5-R" SHALL BE SPECIFICATION GRADE WITH WEATHERPROOF COVERS. (CROUSE HINDS F.S. STYLE OR APPROVED EQUAL). DUPLEX RECEPTACLES SHALL BE LOCKABLE.

(4) LIGHTING PANEL SHALL BE NEMA III R SURFACE MOUNTED. ALL CIRCUIT BREAKERS SHALL BE BOLT-IN STYLE. PLUG-IN CIRCUIT BREAKERS WILL NOT BE ACCEPTABLE.

(5) CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE EXACT LOCATION OF ALL LIGHT POLES, AND THE ROUTING OF ALL UNDERGROUND CONDUITS OR CABLES PRIOR TO CONSTRUCTION. ALL LOCATIONS MUST BE APPROVED BY THE ENGINEER.

DO-RITE INSPECTION SERVICES
1241 WHISPER HILL
LAREDO, TX 78045
TEL (956)286-2496
TBPE FIRM REGISTRATION NO. 5353

JOYCE LANDS, LLC
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO RD.
LAREDO, TEXAS, 78043

STATE OF TEXAS
RICARDO RAMOS
87027
LICENSED PROFESSIONAL ENGINEER

4/16/15

ELECTRICAL LIGHTING FIXTURE DETAILS

DRAWN BY:	R.R.
CHECKED BY:	R.R.
APPROVED BY:	R.R.
DATE:	02 / 25 / 15
REVICED DATE:	
SCALE 11x17:	N.T.S.
SCALE 24x36:	N.T.S.
JOB #:	
FILE NAME:	
SHEET	31

$DATE$
$FILE$

JOYCE LANDS LLC.
LAS BLANCAS FLEA MARKET

APRIL 16, 2015

SHEET INDEX

	ARCHITECTURAL	FOR PERMIT - 02/09/2015	ADDENDUM 1 - 04/016/2015	
A000	COVER SHEET & INDEX	*	*	
A001	GENERAL NOTES & ABBREVIATIONS	*		
A002	SYMBOLS	*		
A003	2012 TEXAS ACCESSIBILITY STANDARDS	*		
A004	2012 TEXAS ACCESSIBILITY STANDARDS	*		
A100	SITE LANDSCAPE PLAN	*	*	
A200	ARCHITECTURAL FLOOR PLAN	*		
A201	ARCHITECTUTAL FLOOR PLAN PLAN	*		
A202	ARCHITECTURAL ROOF PLAN	*		
A300	EXTERIOR ELEVATIONS	*		
A301	EXTERIOR ELEVATIONS	*		
A400	BUILDING, WALL & DETAIL SECTIONS	*		
A500	RCP & ELECTRICAL LAYOUT	*		
A600	PLUMBING LAYOUT	*		
A700	CASEWORK & INTERIOR ELEVATIONS	*		

GENERAL CODE ANALYSIS:

BUILDING USE:	M- MERCANTILE
CONSTRUCTION TYPE:	V-B (ONE -STORY)
FIRE SPRINKLERS:	NOT REQUIRED
OCCUPANCY:	MERCANTILE (FLEA MARKET)

(BLDG AREA HAS BEEN CALCULATED USING NON-SEPARATED USES)

UNITS	LIVING AREA	STORAGE UNITS	OPEN STRUCTURE	TOTAL
STAND & RESTROOM "G"	1,600 GSF			
OFFICE "H"	362 GSF			
OPEN WAREHOUSE "F"			10,000 GSF	
(1) BUILDING "A" OF 8 UNITS (14'X20')		2,240 GSF		
(5) BUILDING "B" OF 20 UNITS (14'X20')		28,000 GSF		
(3) BUILDING "C" OF 18 UNITS (14'X20')		15,120 GSF		
(1) BUILDING "D" OF 14 UNITS (14'X20')		3,920 GSF		
(5) BUILDING "E" OF 28 UNITS (14'X20')		39,200 GSF		
(1) BUILDING "I" OF 13 UNITS (14'X20')		3,640 GSF		
(5) BUILDING "J" OF 26 UNITS (14'X20')		36,400 GSF		
TOTAL SUITE AREA	1,962 GSF	128,520 GSF	10,000 GSF	140,482 GSF

OCCUPANT LOAD INFORMATION:

FLEA MARKET

MERCANTILE (M)
128,520 GSF/60 = 2,142 OCCUPANTS

CONCESSION STAND = 720 SF/100 = 7.2 OCCUPANTS

OPEN STRUCTURE : 6,000 SF/5 = 1,200 OCUPANTS

TOTAL =3,350 OCCUPANTS

APPLICABLE BUILDING CODE:

2012 IBC
2012 INTERNATIONAL MECHANICAL CODE
2012 UNIFORM PLUMBING CODE
2009 NATIONAL ENERGY CODE
2011 NATIONAL ELECTRIC CODE

PLUMBING FIXTURE COUNT:

3,350 OCCUPANTS CALCULATED TOTAL
1,675 MEN / 1,675 WOMEN

TOILET REQUIREMENTS:
1 PER 500 REQUIRED PER MALE & FEMALE
4 TOILETS REQUIRED
10 TOILETS TO BE PROVIDED (MEN)
12 TOILETS TO BE PROVIDED (WOMEN)

LAVATORY REQUIREMENTS:
1 PER 750 REQUIRED PER MALE & FEMALE
3 LAVATORIES REQUIRED
4 LAVATORIES TO BE PROVIDED (MEN)
4 LAVATORIES TO BE PROVIDED (WOMEN)

PARKING SPACES

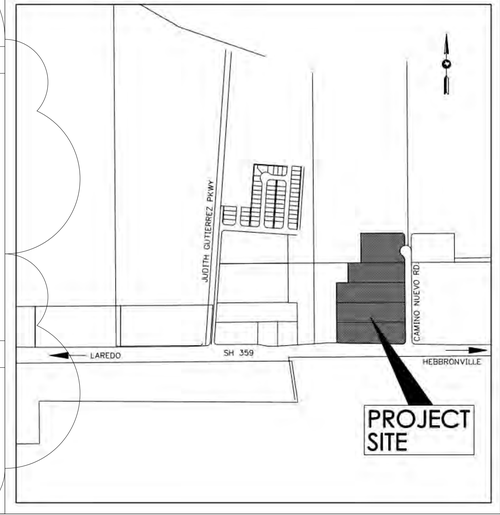
FLEA MARKETS:

PARKING REQUIRED:
ONE PARKING SPACE PER BOOTH PLUS ONE PARKING SPACE FOR EACH 2,000 SQ.FT OF LAND AREA NOT USED FOR PARKING.

459 PARKING SPACES (459 UNITS) + 211 PARKING SPACES(421,596 SQ.FT/2,000) = 670 PARKING SPACE REQUIERED

687 PARKING TO BE PROVIDE
22 ADA PARKING SPACE TO BE PROVIDE

LOCATION MAP



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Commercial & Residential Design
1622 Stonefield, Laredo. Tx.
Phone: 956. 744.6565

2. JOYCE LANDS, LLC.
LAS BLANCAS FLEA MARKET

AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

No.	Description	Date
1 1.	FOR PERMIT	FEB. 09, 2015
2.	ADDENDUM 1	APRIL 16, 2015

COVER SHEET & INDEX

Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A000

Scale

GENERAL NOTES:
1. GENERAL, Architectural
1.1) These General Notes are instructions to the Contractor and apply generally to all the work unless more specific information is shown in drawings or written in the specifications, standards and/or contracts.
1.2) All construction works shall be in accordance with the most current DWG's, spec's and standards as modified by the Architect/Engineer.
1.3) An approved set of plans shall be maintained on the job site at all times.
1.4) All works shall be conform to the best practice of each trade. Unless shown or noted otherwise, construction details or practices are common to the standard of the trade.
1.5) All works shall be conform to the applicable codes and authority rules.
1.6) The Contractor shall obtain the necessary permits required for the works shown on these drawings prior to the start of the construction.
1.7) The Contractor shall locate and uncover all the underground utilities in advance of the construction in order the Architect/Engineer.
1.8) Backfilling shall not be started until newly installed underground equipment is checked and approved by the engineers to verify their identity and their correct position.
1.9) Backfill shall be installed in accordance with the relevant ruling standards.
1.10) Disposal of/and stockpiling of excess material within the planning area shall be done in such a way that it will not create a nuisance to the ongoing works in general and the neighboring surrounding.
1.11) The Contractor shall not trespass beyond the project boundary lines unless a permit or written authorization has been obtained from the neighboring property owners involved.
1.12) Any damage on public area and/or on the clients premises caused by the ongoing project works shall be restored in its original condition, with no additional cost implication to the owners involved, as per following requirements:
1.12.1) All trees impacted by the ongoing construction works shall be replaced with the same size and type of tree at the same location or at a new location given by the local authorities or by the client.
1.12.2) All irrigation systems shall be restored to fully functioning status.
1.12.3) Any road or street cuts are to be coordinated with the local authorities, backfilled according standards and repaired to its original status.
1.13) All dimensions and levels are in millimeters (mm) unless mentioned otherwise.
1.14) The Contractor shall check and verify all dimensions and levels on site (both new and existing) and report discrepancies to the Architect/Engineer prior to proceeding of works.
1.15) The drawing shall not be scaled. Only written dimensions shall be followed. The Contractor shall request, from the Architect, necessary dimensions not shown on the drawings.
1.16) All Architectural drawings shall be read in conjunction with the Structural, Services drawings and specifications for proper coordination. Any discrepancies shall be brought to the attention of the Engineer.
1.17) All dimensions other than levels are given to structural elements. Dimensions are taken from and to centerlines of columns, beams, and other structural elements; from faces of walls and edges of openings unless shown otherwise.
1.18) All levels shown in the drawing are finished floor levels. Contractor shall allow adequate changes in the structural floor to achieve indicated floor levels.
1.19) Contractor shall submit shop drawings "For Approval" prior to fabrication where required by Architect/Engineer.

2. REFERENCE DOC'S:
2.1) Reference Documents as listed on the individual drawings.

AR: Architectural — QS: Quantity Survey
DT: Data & Telecom — ST: Structural
EL: Electrical — WS: Water Services (Supply & Sewers)

E - Subject: Indicates the subject of the drawing.

BD: Border Drawing
BH: Soil Test Bore Hole Plan
BQ: Bill of Quantity
CP: Ceiling Plan
CS: Cover Sheet
CT: Contract
DO: Details, non standard
DL: Drawing List
DP: Demolition Plan
DR: Drawing Register
GA: General Arrangement
GL: Layout (only planviews)
GM: Layout Mixed (plans, sect's & elev's)
GN: General Notes
LM: Elevations & Sections Mixed (sect's & elev's)
LV: Elevations (only elevations)
MF: Master File or Model File (no drawing)
PC: Procedures
PI: Piling Plan
PL: Project Planning or program
PM: Project Manual
PN: Preamble Notes
PP: Site Plan, Plot Plan (existing, new, proposed)
RP: Reports
SC: Schematics, diagrams
SF: Safety/Fire Escape Plan
SK: Sketch
SN: Sections (only sections)
SP: Specifications, Project Drafting Standard
SV: Survey Plan
TC: Tender Document, Conditions
TO: Details, typical (standard)
TR: Transmittal
WL: Schedule of Openings (Door & Windows)

F - Sequence No: Indicates the actual drawing serial number.

ABBREVIATIONS:

A.B. - Anchor Bolt
ABV. - Above
A.C. - Asphalt Concrete
A/C - Air Conditioning
A.D. - Access Door
ADD. - Additional
ADJ. - Adjust
A.F.F. - Above Finished Floor
A.F.G. - Above Finished Grade
A.G. - Above Ground
A.H.U. - Air Handling Unit
ALT. - Alternative
ALU. - Aluminum
ANCH. - Anchor
APP'O. - Approved
APPROX. - Approximative
APT. - Apartment
ARCH. - Architect
ASPH. - Asphalt
ASSY, - Assembly
ATT. - Attached
AUX. - Auxiliary
AVG. - Average

B.D. - Board
B.L. - Building Line
BLDG. - Building
BLK. - Block
BM. - Beam
B.O. - Bottom of
B.O.C. - Bottom of Concrete
B.O.S. - Bottom of Steel
B.O.W. - Bottom of Wall
BRG. - Bearing
BRK. - Brick
BRKT. - Bracket
B.S. - Boundary Stone
BSMNT. - Basement
BTW. - Between
B.U. - Built up
B.W. - Boundary Wall

CABT. - Cabinet
C.B. - Catch Basin
C/C - Center to Center
C.D. - Construction Document
CEH. - Cement
C.F. - Cubic foot
CH. - Channel
CHANG. - Changing
C.1. - Cast Iron
C.J. - Construction Joint
C.L. - Center Line
CLG. - Ceiling
CNTRL. - Central
C.O. - Clean Out
COL. - Column
COMPO - Composition
CONDO - Condition
CONN. - Connection
CONSTR. - Construction
CONT. - Continuation
CONTR. - Contractor
CONC. - Concrete
CORR. - Corrigated
C/P - Car Port
C.S. - Carbon Steel
CSK. - Countersink
CSMNT. - Casement
C.T. - Ceramic Tile
C.W. - Cold Water

D. - Door
DBL. - Double
DET. - Detail
D.F. - Drinking Fountain
DEMO. - Demolition
DIA. - Diameter
DIM. - Dimension
DISCH - Discharge
ON. - Down
DR. - Drain
D.S. - Down Spout
D.W. - Dry wall, plaster board
D&W - Door and Window
DIW - Dishwasher
DWG - Drawing

E. - East
EA. - Each
E.F. - Exhaust Fan
E.J. - Expansion Joint
EL. - Elevation
ELECT. - Electric, Electrical
EMERG. - Emergency
ENTR. - Entrance
E.P. - Electrical Post
ETL - Etcetera
Ea. - Equal
EQUIP, - Equipment
EST. - Estimate
E.W. - Each Way
EXH. - Exhaust
EXIST. - Existing
EXP, - Expansion
EXT. - Exterior

F. - Female
F.A. - Fire Alarm
FAB. - Fabrication
F.C.O. - Floor Clean out
F.D. - Floor Drain
FDN. - Foundation
F.E. - Fire Extinguisher
F.E.C. - Fire Extinguisher Cabinet
F.F. - Finished Floor
FIF - Face to Face
F.H.C. - Fire hose Cabinet
FIN. - Finish
FITT. - Fitting, Fitted
FLO. - Field
FLR - Floor
F.O.C - Face of Concrete
F.O.W. - Face of Wall
FLUOR. - Fluorescent
F.P. - Fire Proof, Fire proofing
FRM. - Frame
F.S. - Far Side
FT - Feet
FURN. - Furnace
F.W. - Fire Water
FWD. - Forward

GA. - Gauge
GALV. - Galvanized
GAR. - Garage
G.C. - General Contractor
GEN. - General
GL. - Glass
G.M. - Grade Mark
GOVT. - Government
GR. - Grille
GRE. - Glass fiber Reinf. Epoxy
G.T. - Glazed Tile
GYP. - Gypsum

H. - Hose
H.C. - Hose Connection
HCP. - Handicapped Accessible
HDBD. - Hardboard
HOW. - Hardware
HGT. - Height
HOR. - Horizontal
H.P. - High Point
H.RAIL - Hand railing
H.R. - Hose Reel
HTR - Heater
H.W. - Hot Water
H.W.B. - Hand Wash Basin
H.WD. - Hard Wood
HYD. - Fire Hydrant
HVAC - Heating, Venting & Air Condit.

I.D. - Inside Diameter
I.E. - Invert Elevation
I.F.A. - Issued for Approval
I.F.C. - Issued for Construction
I.F.T. - Issued for Tender
I.F. - Inside Face
INCL. - Inclusive, including
IND. - Industrial
INV. - Invert
INSUL. - Insulation
INT. - Interior

J.B. - Junction Box
JCT. - Junction
JST. - Joist
JT. - Joint

K.O. - Knock out
KVA - Kilo Volt Ampere
KW - Kilo Watt

L. - Length
LAB. - Laboratory
LAM. - Laminate
LA 1. - Lateral
LAV. - Lavatory
L/B - Load Bearing
L:B - Land to Build ratio
LD. - Lead
L.F. - Life Fence
LG. - Large
L.HD. - Left Hand
LIN. - Linear
L1NO. - Linoleum
L.P. - Low Point
LS. - Loudspeaker
LT. - Light
LTG. - Lighting
LVL. - Level

M. - Male
MAR. - Marble
MAS. - Masonry
MAX. - Maximum
M.B. - Machine Bolt
MBR. - Membrane
MDF - Medium Density Fiber Board
MECH. - Mechanical
MED. - Medium
MEZZ. - Mezzanine
MFD. - Manufacturing
M.H. - Man Hole
MIN. - Minimum
M.O. - Masonry opening
MOD. - Modular
MODIF. - Modification
M/S - Multiple Storey
MTL. - Material

N. - North
N.A. - Not Applicable
N.F.C. - Not for construction
NLR. - Nailer
NO. - Number
NOH. - Nominal
N.T.S. - Not to scale

O.A. - Over All
OIC - On Center
0.0. - Outside Diameter
OFC. - Office
O.H. - Overhead
O.HD. - Opposite Hand
O.H.W.T. - Overhead Water Tank
OPNG. - Opening
OPT. - Optional
OR - Outside Radius
OSB - Oriented Strand Board

P. - Pump
PART. - Partition
PAV. - Pavement, paving
P.B. - Permanent Building
P&B. - Post and Beam
PC.CONC. - Pre-Cast Concrete
PCH. - Porch
PERF. - Perforated
PLST. - Plaster
PL T. - Plate
PLAS. - Plastic
PL YWO. - Plywood
PORC. - Porcelain
PRE-ENG. - Pre-Engineering
P.S.F. - Pounds per square foot
P.S.1. - Pounds per square inch
PS.L. - Passengers lift
P.V.C. - Polyvinyl chloride
P.W. - Potable Water
PWR. - Power

QTY. - Quantity

RAD. - Radius
R.C. - Reinforced Concrete
R.D. - Roof Drain
REF. - Reference
REFG. - Refrigerator
REINF. - Reinforced
RET. - Return
REV. - Revision
RHD. - Right Hand
R.L. - Road Line
RM. - Room
RMV. - Remove
R.O. - Rough Opening
R.O.W. - Right of way
R.W. - Rain Water

S. - South
SAN. - Sanitary
S.C. - Self-closing
SCHED. - Schedule
SCHEM. - Schematic
S.D. - Smoke Detector
SECT. - Section
SHT. - Sheet
SHT'G. - Sheeting
SIM. - Simular
SO.P. - Soakage Pit
S.P. - Septic Pit
SS. - Stainless Steel
STA. - Station
STD. - Standard
STIFF. - Stiffener
STL. - Steel
SPEC. - Specification
SO. - Square
SQ.FT. - Square feet
SQ.IN. - Square inch
SQ.YD. - Square yard
SQ.M. - Square Meter
SQ.CM. - Square Centimeter
STR. - Storage
STRUCT. - Structural
SUSP. - Suspended
SYM. - Symmetrical
SYS. - System
SZ. - Size

T.B. - Trough bolt
T&B - Top and Bottom
T.B.D. - To be determined
TEL. - Telephone
T&G - Tongue and groove
TH. - Threshold
THK. - Thick
THRD. - Threaded
T.O. - Top of
T.O.B. - Top of Beam
T.O.C. - Top of Concrete
T.O.F. - Top of footing
T.O.J. - Top of joist
T.O.H. - Top of masonry
T.O.W. - Top of wall
T.S. - Tube steel
TY. - Temporary Building
TYP. - Typical

U. - Undefined
U.G. - Under Ground
UNF - Unfinished
U.N.O. - Unless noted otherwise
UNT - Unit
UTIL - Utility

VA. - Voltage
V.B. - Vapor Barrier
V.C.T. - Vinyl Composite Tile
VERT. - Vertical
V.I.F. - Verify in field
V.P. - Valve Pit
V.1.R. - Vent trough Roof

W. - West, Window
W/ - With
W.B. - Wash Basin
W.C. - Toilet, water closet
WD. - Wood
W.F. - Wired Fence
WGT. - Weight
W.H. - Wall Height
W.I. - Wrough Iron
W.I.C. - Walk in Closet
W.M. - Washing Machine
W 10 - With out
W.P. - Working Point
W.R. - Water Resistant
W.T. - Water Tank
WTR. - Water

YO. - Yard

ZN. - Zink

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JOYCE LANDS, LLC.
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

GENERAL NOTES & ABBREV.

Project number	331114
Date	FEB. 02, 2015
Draw by:	-
Checked by	-

A001

Scale 1 1/2" = 1'-0"

SYMBOLS:

1. GENERAL SYMBOLS

A / 102 — SECTION
TOP - Section Identification letter
BOTT - Dwg on which Section is drawn

B / 105 — VIEW ARROW
TOP - View Identification letter
BOTT - Dwg on Which View is drawn

DETAIL
TOP - Detail Identification number
BOTT - Dwg on with Detail is drawn

GRID
HOR - Grid Identification letter
VERT - Grid Identification number
(NOTE: When multiple Bldg's add. Bldg No in front of Grid 101)

+3950 — Elevation Identification in Plan

+3950 — Elevation Identification in Section and Elevation

ROOM — Room Identification number or name

GD1 — D&W Identification number, D=door, W=window
Additional Identification letter: G=Ground Floor, F=First Floor, S=Second Floor, R=Roof level

ARROW — Grid, center line

Matchline, M.L.

Hidden; object ilbove or beyond

Revision cloud

Exterior Wall Composition

Curtain wall

Glass

Wall Blocks

DPC, Damp Proof Course (Membrane)

Insulation

Lockers

Cabinet, built in closet

Lighting fixture, recessed rectangular

Lighting fixture, recessed square

Lighting fixture, recessed round

Diffuser, pulsion

Diffuser, extraction

SD — Smoke detector

LS — Loudspeaker, intercom

Usage:
BDL: Bed lift
GDL: Goods lift
PSL: Passengers lift
HDL: Hydraulic lift

Entry, Exit

Single leaf door

Hinge side

Door sash in elevation

Sash opening direction

Hinge side

4 UP / 3 / 2 / 1 — Staircase

Indication Up

No. of Steps

HP / LP — Ramp

SLOPE — Slope

Direction

Floor level drop

Folding door or gate

Double leaf door

Sliding or automatic door

Window

Reference Point

Tree

Exsisting Tree

Cooker

REFG — Refrigirator

D/W — Dish Washer

WM — Washing machine

Kitchen sink, double

Kitchen sink, single

Service sink

Wash basin, Hand wash basin

Shower

Bath Tub

Floor Drain

WC, Water Closet

Wall Mounted Water Closet

Squat Pan Urinal

Shaft, duct

2. OTHER SYMBOLS

STONE

REINFORCED CONCRETE COLUMNS

REINFORCED CONCRETE

LEAN CONCRETE

CONCRETE HOLLOW BLOCKS

GYPSUM WALLS

SAND / MORTAR

GRASS

ASPHALT, BITUMEN SURFACE PAVING

RUBBLE

COMPACTED FILL OR NATURAL GROUND

1 SYMBOLS
1" = 400'-0"

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LAREDO, TX. 78043

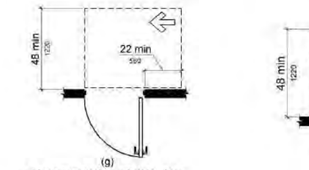
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

SYMBOLS

Project number	331114
Date	FEB. 02, 2015
Draw by:	-
Checked by	-

A002

Scale 1" = 400'-0"



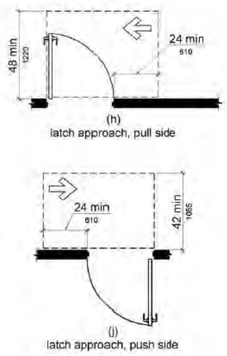
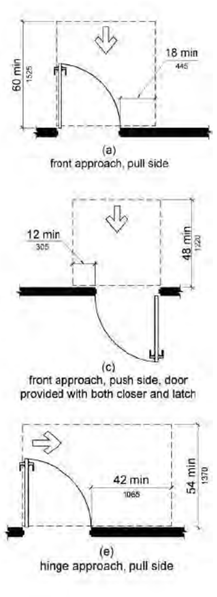
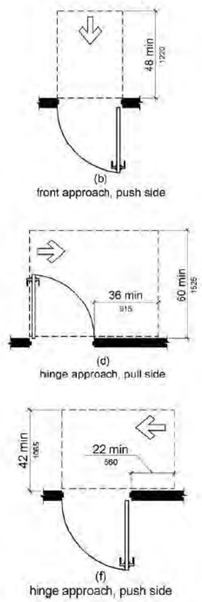


Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates





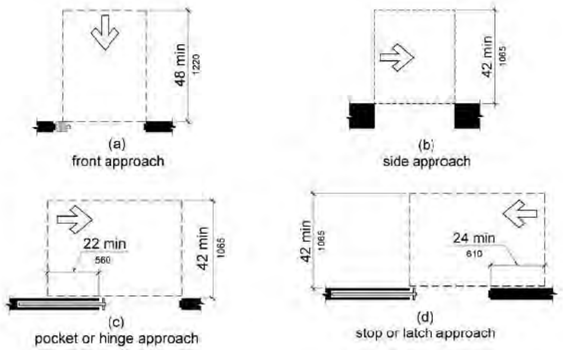


Figure 404.2.4.2 Maneuvering Clearances at Doorways Without Doors, Sliding Doors, Gates, and Folding Doors

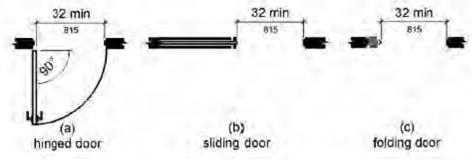


Figure 404.2.3 Clear Width of Doorways

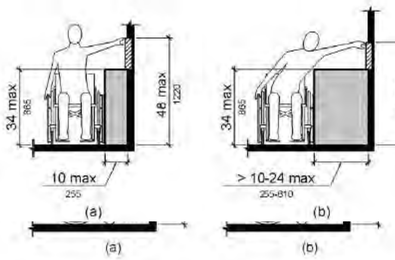


Figure 308.2.2 Obstructed High Forward Reach

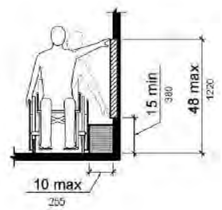


Figure 308.3.1 Unobstructed Side Reach

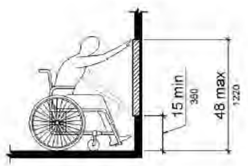


Figure 308.2.1 Unobstructed Forward Reach

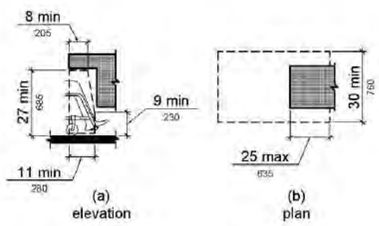


Figure 306.3 Knee Clearance

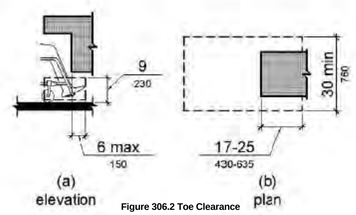


Figure 306.2 Toe Clearance

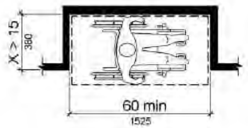


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

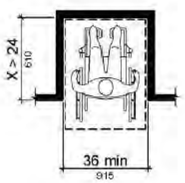


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

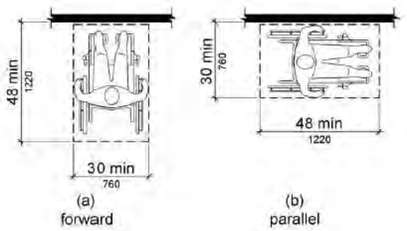


Figure 305.5 Position of Clear Floor or Ground Space

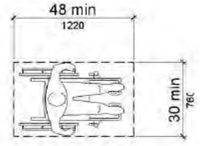


Figure 305.3 Clear Floor or Ground Space

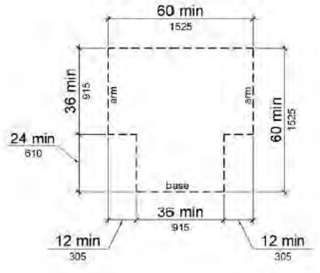


Figure 304.3.2 T-Shaped Turning Space

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Commercial & Residential Design
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Phone: 956. 744.6565

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LAS BLANCAS FLEA MARKET

AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

2012 TEXAS ACCESSIBILITY STANDARDS

Project number	331114
Date	FEB. 02, 2015
Draw by:	-
Checked by	-

A003

Scale

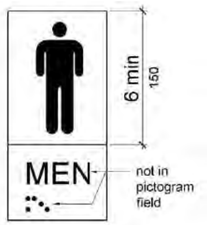


Figure 703.6.1 Pictogram Field

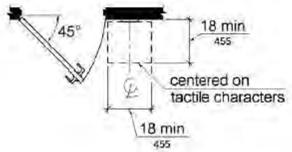


Figure 703.4.2 Location of Tactile Signs at Doors

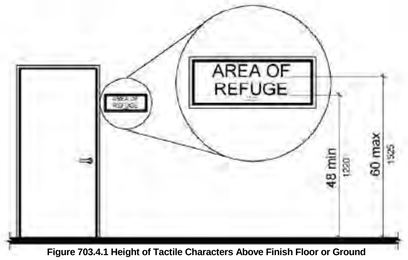


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

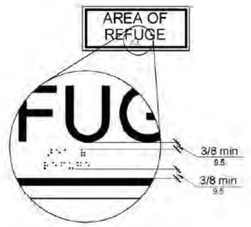


Figure 703.3.2 Position of Braille

Figure 703.3.1 Braille Measurement

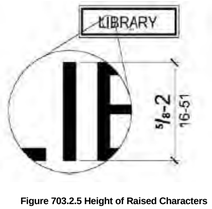


Figure 703.2.5 Height of Raised Characters

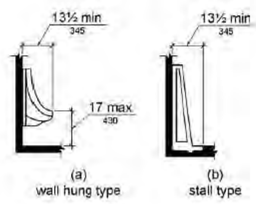


Figure 605.2 Height and Depth of Urinals

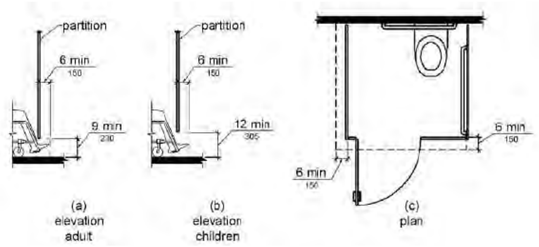


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

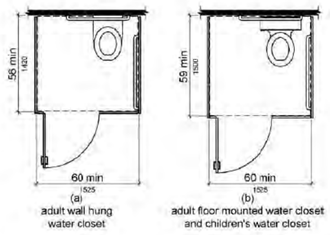


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

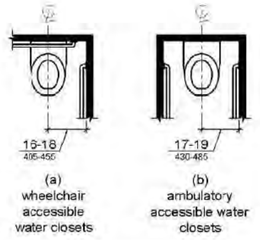


Figure 604.2 Water Closet Location

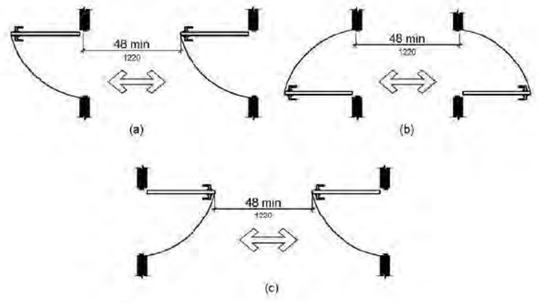


Figure 404.2.6 Doors in Series and Gates in Series

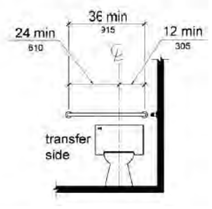


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

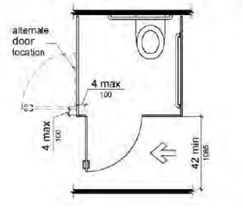


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

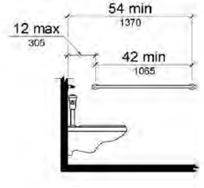


Figure 604.5.1 Side Wall Grab Bar at Water Closets

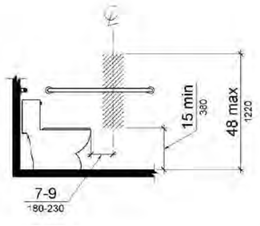
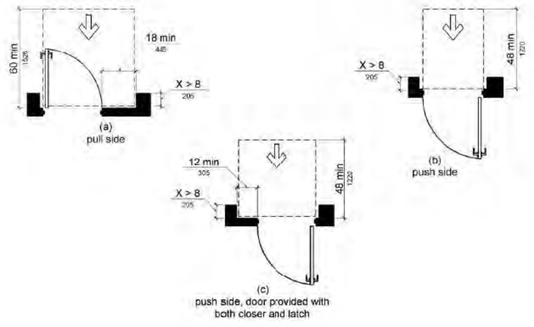


Figure 604.7 Dispenser Outlet Location



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LAS BLANCAS FLEA MARKET

AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

2012 TEXAS ACCESSIBILITY STANDARDS

Project number	331114
Date	FEB. 02, 2015
Draw by:	-
Checked by	Checker

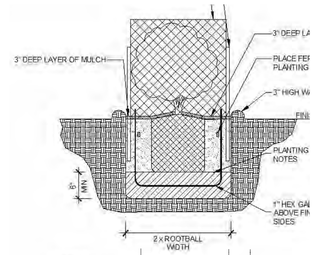
A004

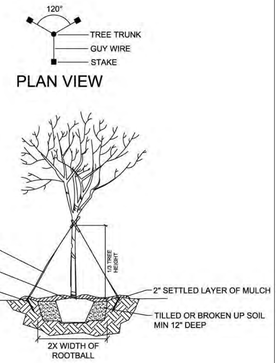
Scale

1. ALL LANDSCAPE AREAS SHALL BE IRRIGATED BY AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM WITH HEAD TO HEAD SPRAY COVERAGE IN ALL TURF AREAS AND 100 % DRIP IRRIGATION COVERED IN ALL BED AREAS.
2. ALL NEW TREES INDICATED TO BE MIN. 3' CALIPER
3. ALL NEW SHRUBS TO BE 5 GALLON MINIMUM
4. ALL LANDSCAPE AREAS ADJACENT TO VEHICULAR USES SHALL BE PROTECTED WITH CONCRETE CURBS OR EQUIVALENT BARRIERS.

LANDSCAPING NOTES
1/4" = 1'-0"

LANDSCAPE LEGEND				
UNITS	SYMBOL	COMMUN NAME	SCIENTIFIC NAME	DESCRIPTION
52		LIVE OAK	QUERCUS VIRGINIANA	3" CALIPER, 10-12 HT. 4'-5' SPREAD, CONTAINER GROWN
	TURF	COMMON BERMUDA GRASS	CYODON DACTYLON	SOD PER SPECIFICATIONS





TREE PLANTING (>2" CAL.)
NOT TO SCALE

1 SITE LANDSCAPE PLAN
1" = 50'-0"

NOTE: LANDSCAPE IRRIGATION CONTRACTOR TO PROVIDE DRAWINGS FOR CITY PERMIT AND REVIEW AS REQUIRED

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LAS BLANCAS FLEA MARKET

AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

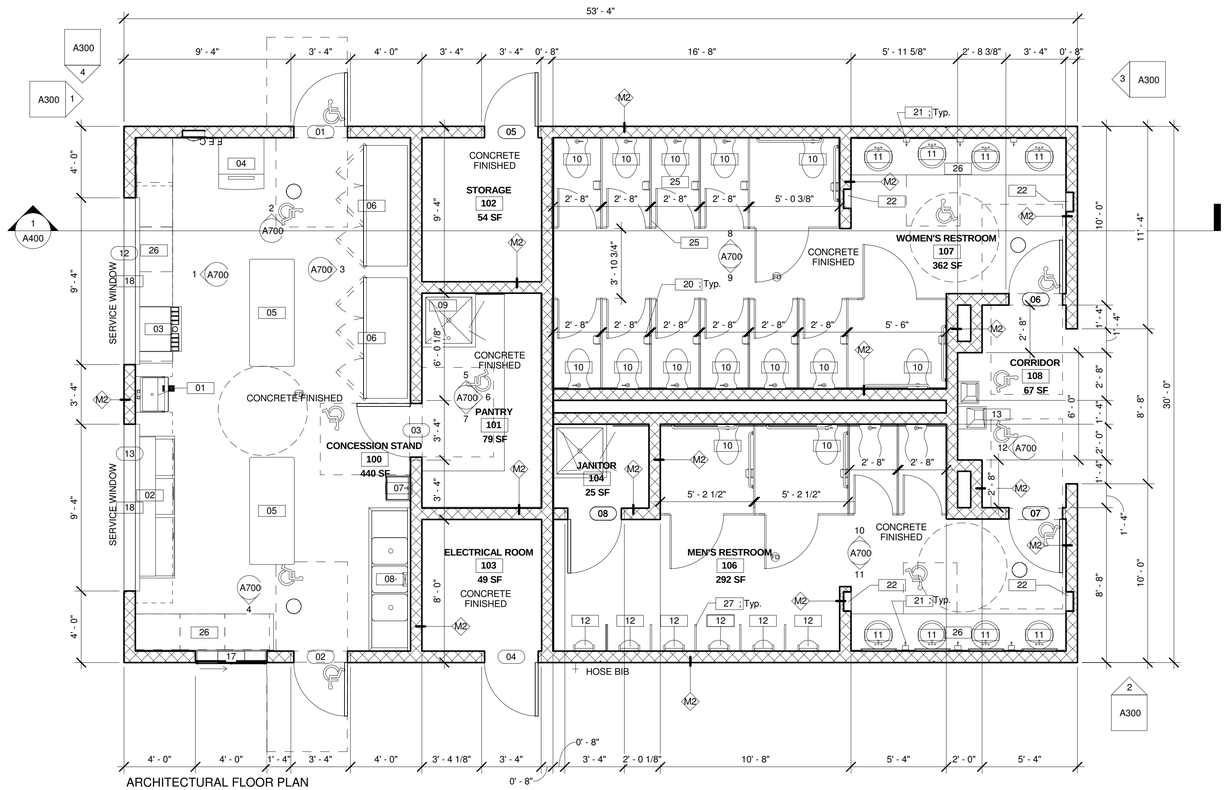
No.	Description	Date
1 1.	FOR PERMIT	FEB. 09, 2015
2.	ADDENDUM 1	APRIL 16, 2015

SITE LANDSCAPE PLAN

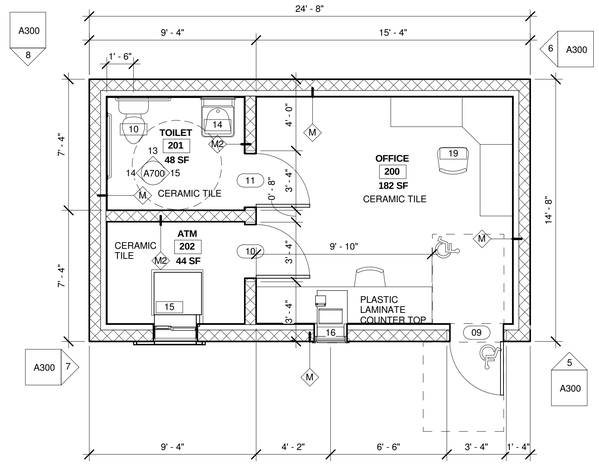
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A100

Scale	As indicated



1 ARCHITECTURAL FLOOR PLAN -RESTROOM
1/4" = 1'-0"



2 ARCHITECTURAL FLOOR PLAN - OFFICE
1/4" = 1'-0"

EQUIPMENT	
Key Value	Keynote Text
01	Krowne Stainless Steel Cocktail Station w/12" Deep Ice Bin & 7 Circuit Cold Plate , MFR: 18-24-7; By Owner
02	Edesa 42 Cu, ft. Stainless Steel Top Back Bar Cooler 95 1/2" W, MFR: EBB94; By Owner
03	Soda Machine :By Owner
04	Manitowoc 632 lb. Full Dice Indigo Ice Machine with 430 lb. Bin 30" , MFR: ID0606A-B570
05	Regency 18 Gauge 30" x 72" 304 Stainless Steel Commercial Work Table with Undershelf; by Owner
06	72 cu. ft. 3 Door Bottom Mount Reach-In Refrigerator 81" W, MFR: MCR-72FDRE; By Owner
07	Advance Tabco 7-PS-60 Hand Sink with Splash Mount Faucet - 17 1/4" x 15 1/4" or similar
08	Regency 16 Gauge Three Compartment Stainless Steel Commercial Sink with 1 Drainboard - 84 1/2" Long, 18" x 24" x 14" Compartments or similar; By Owner
09	Advance Tabco 9-OP-40 16" x 20" x 12" Floor Mounted Mop Sink or similar; Re: MEP
10	Crane Eco Placidus Elongated 1.1 GPF Flushometer Toilet VITREOUS CHINA; Re: MEP
11	Crane "Access Pro" Mod. #1580 Self Rimming Oval Basin Countertop; Re: MEP
12	Crane "Manhattan" Siphon Jet Wall Hung Urinal; Re: MEP
13	Elkay Soft Sides® ADA Bi-Level Fountain EDFP217FC or similar; Re: MEP
14	American Standard 0355.012.020 Lucerne Wall-Mount Sink with 4" Centers, White or similar; Re: MEP
15	ATM Machine; By Owner
16	Quickserv Corp. Model Q-Tran-1019 Transaction Station with QST-1019 Transaction Drawer and A drawer-mounted speaker
17	Sliding Window 3'-2"x 4'-0"
18	Overhead Rolling 3'-10" x 9'-4", Re: Manufacturer per installation
19	Work Station; By Owner
20	Bobrick Surface Mounted Single Jumbo Roll Toilet Tissue Dispenser B2890
21	Bobrick Classic, Series B-2111 Surface Mounted Soap Dispenser
22	Bobrick Recessed Paper Towel Dispenser & Waste Receptacle B369
23	30x48 Mirror
24	Grab Bars
25	Stainless Steel Partition , Ceiling Hung - Series 600 , Bradley or similar
26	Stainless Steel Counter Top or similar
27	Stainless Steel Urinal Screen

DOOR SCHEDULE								
Mark	Width	Height	Thickness	Construction Type	Finish	Frame Material	Hardware Set	Comments
01	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER
02	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER
03	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		
04	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER
05	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER & LOUVERS
06	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER
07	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		PROVIDE DOOR CLOSER
08	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		
09	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		
10	3' - 0"	7' - 0"	0' - 2"	HM	PAINTED	METAL		
11	3' - 0"	7' - 0"	0' - 2"	HM	Metal	METAL		
12	9' - 4"	4' - 0"	0' - 2"		PAINTED	METAL		
13	9' - 4"	4' - 0"	0' - 2"		PAINTED	METAL		

TYPE A
3 5/8 METAL STUD @ 16" O.C. MIN.
BATT INSULATION
1 LAYER 5/8" GWB
BOTH SIDES

TYPE B
2x4 WOOD STUD @ 16" O.C. MIN.
BATT INSULATION
1 LAYER 5/8" GWB
BOTH SIDES

TYPE C
2x4 WOOD STUD
WITH BATT INSULATION
1/2" GYPSUM BOARD
BOTH SIDES
& STONE VENEER

TYPE D
5/8" GYPSUM BOARD
INTERIOR SIDE
WITH BATT INSULATION
IN EXISTING EXTERIOR WALL
(6" METAL STUD,SHEATHING &
EIFS)

TYPE M
8" CMU WALL,
4" METAL STUD
WITH BATT INSULATION R-13
1/2" GYPSUM BOARD

TYPE M2
8x8x16 U-BLOCK BOND BEAM
FILLED, INSULATED MASONRY,
SPEC-THERMAL, CONCRETE
PRODUCTS GROUP OR SIMILAR

3 WALL TYPES
1/2" = 1'-0"

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LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

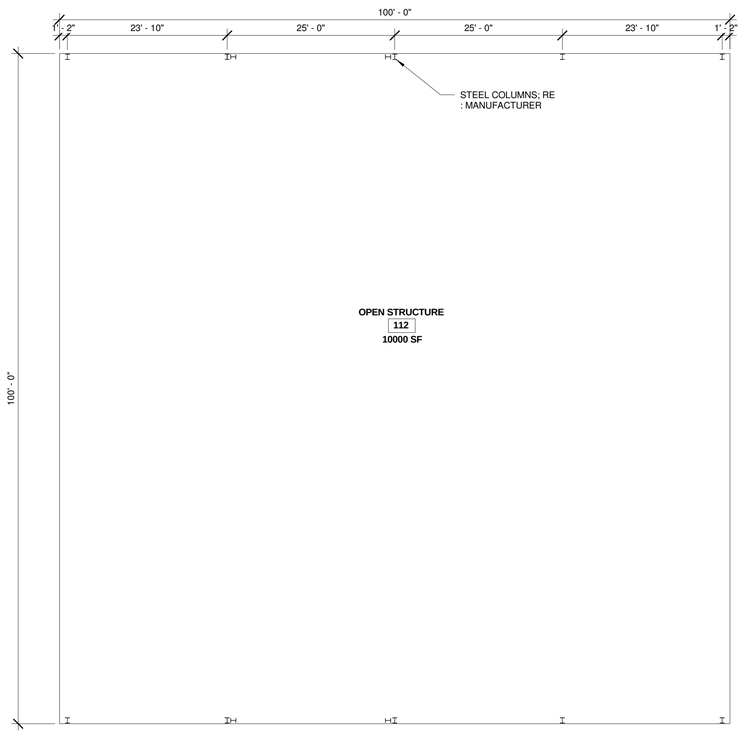
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

ARCH. FLOOR PLAN

Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

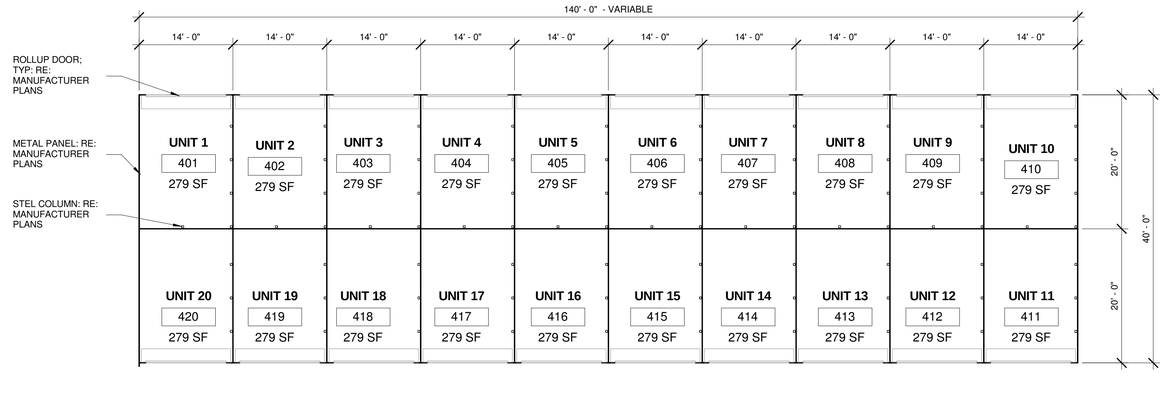
A200

Scale: As indicated



1 OPEN STRUCTURE FLOOR PLAN
3/32" = 1'-0"

RE: MANUFACTURER PLANS



2 STORAGE FLOOR PLAN
3/32" = 1'-0"

RE: MANUFACTURER PLANS

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Commercial & Residential Design
1622 Stonefield, Laredo. Tx.
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LAREDO, TX. 78043

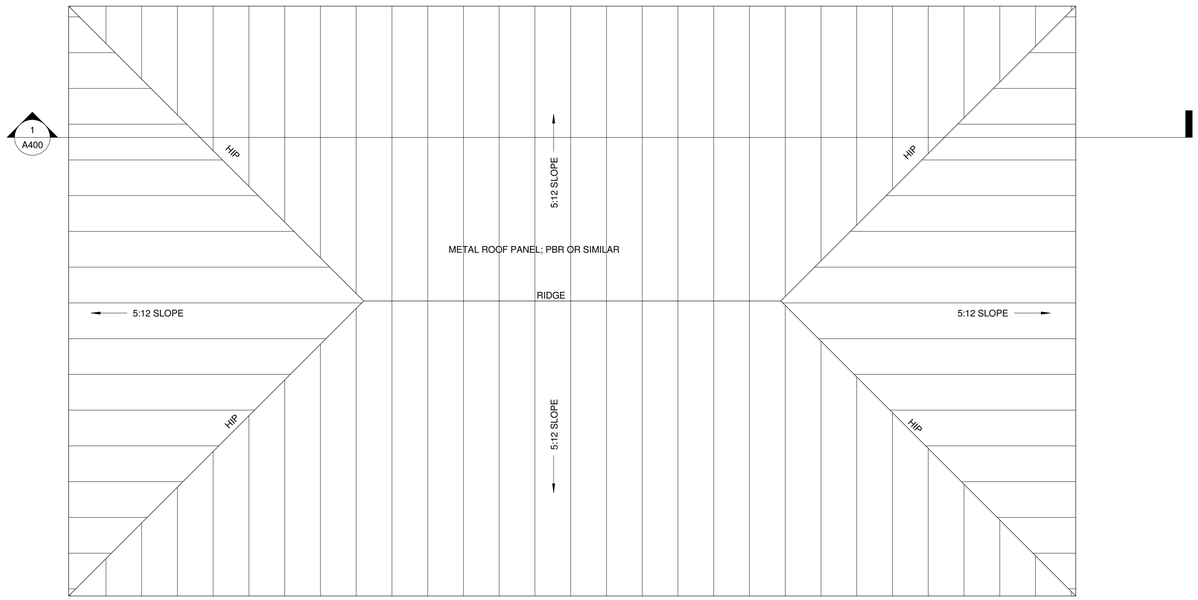
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

ARCH. FLOOR PLANS

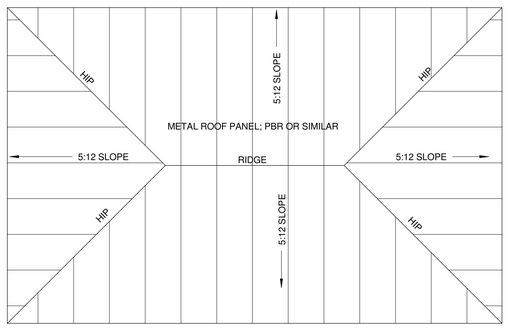
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A201

Scale 3/32" = 1'-0"



1 ARCH. ROOF PLAN - RESTROOM & CONCESSION STAND
1/4" = 1'-0"



2 ARCH. ROOF PLAN - OFFICE
1/4" = 1'-0"

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JOYCE LANDS, LLC.
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

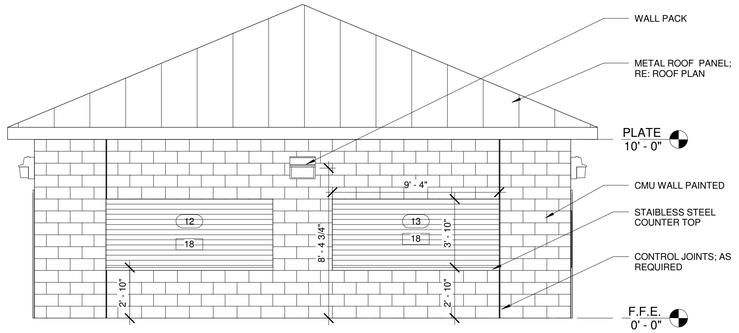
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

ARCH. ROOF PLAN

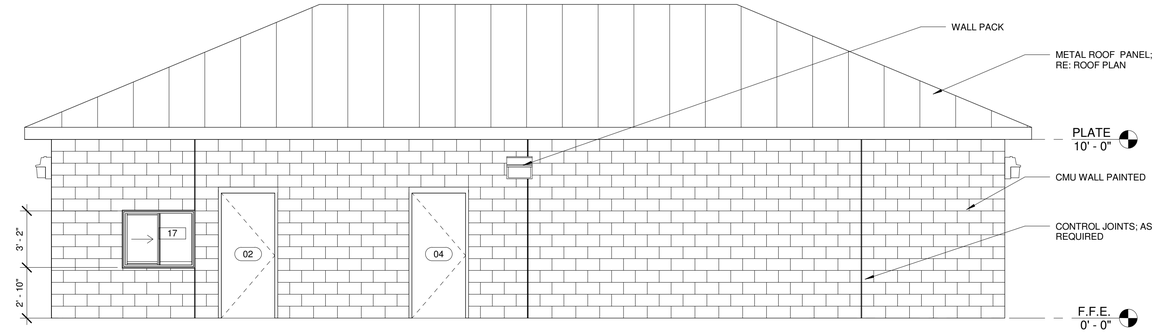
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A202

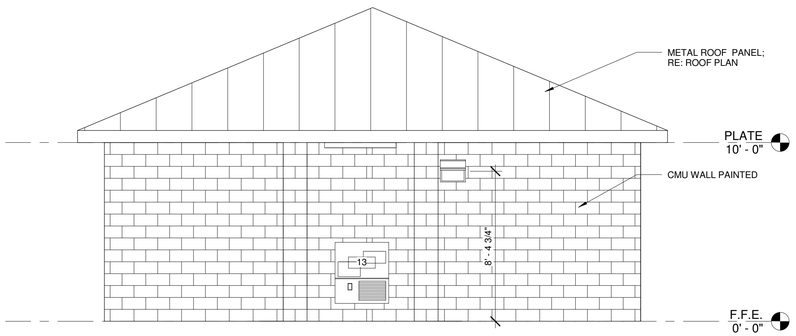
Scale 1/4" = 1'-0"



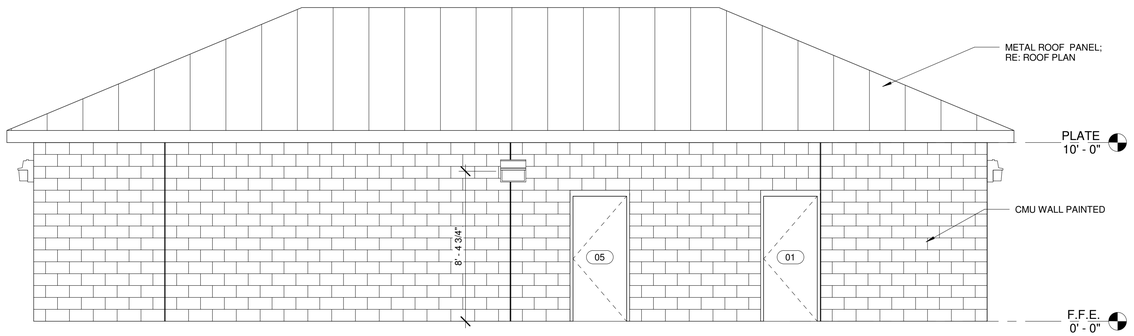
1 RESTROOM & CONCESSION STAND - SOUTH ELEVATION
1/4" = 1'-0"



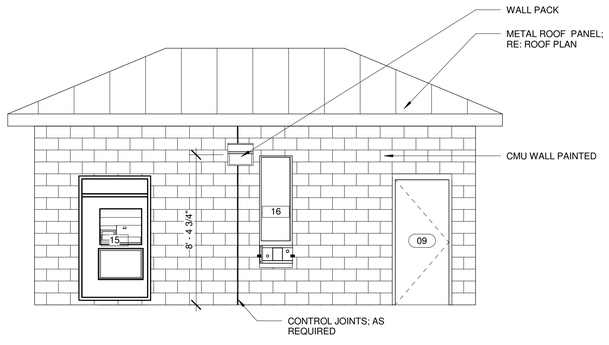
2 RESTROOM & CONCESSION STAND - EAST ELEVATION
1/4" = 1'-0"



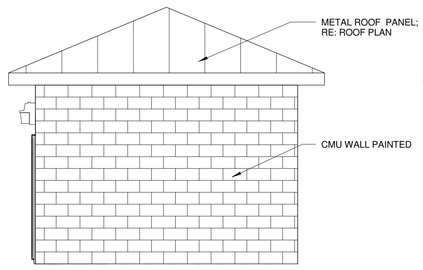
3 RESTROOM & CONCESSION STAND - NORTH ELEVATION
1/4" = 1'-0"



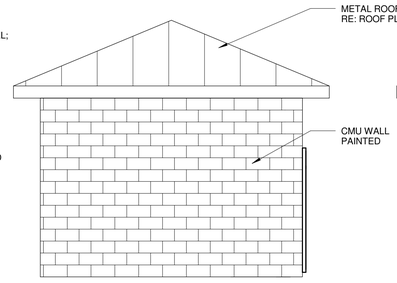
4 RESTROOM & CONCESSION STAND - WEST ELEVATION
1/4" = 1'-0"



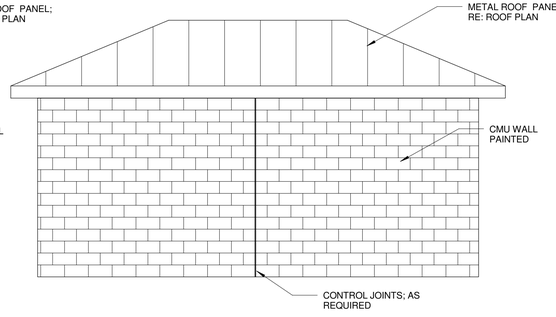
5 OFFICE - EAST ELEVATION
1/4" = 1'-0"



6 OFFICE - NORTH ELEVATION
1/4" = 1'-0"



7 OFFICE - SOUTH ELEVATION
1/4" = 1'-0"



8 OFFICE - WEST ELEVATION
1/4" = 1'-0"

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AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

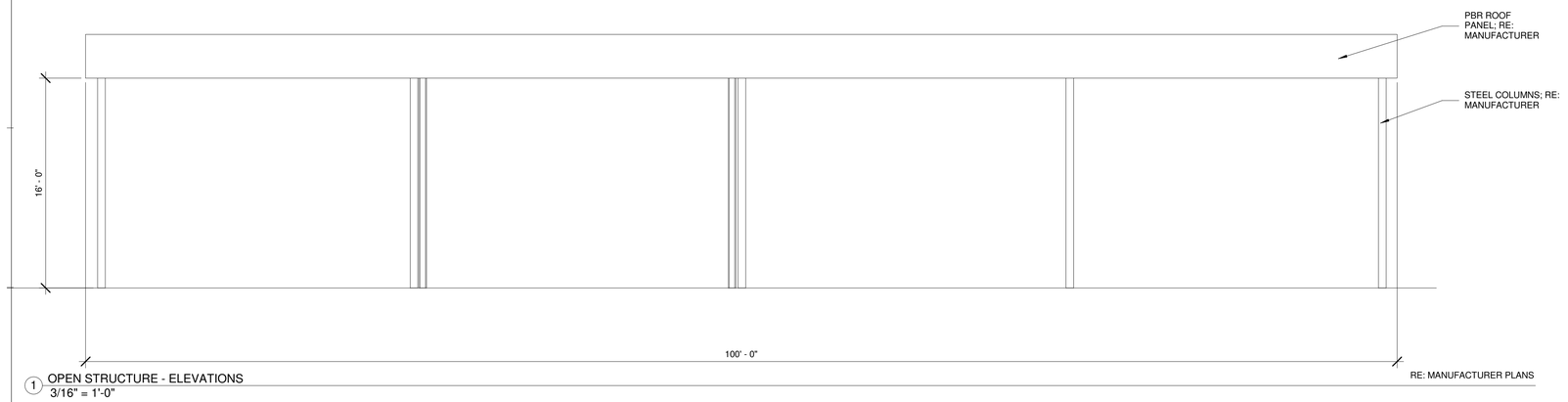
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

EXTERIOR ELEVATIONS

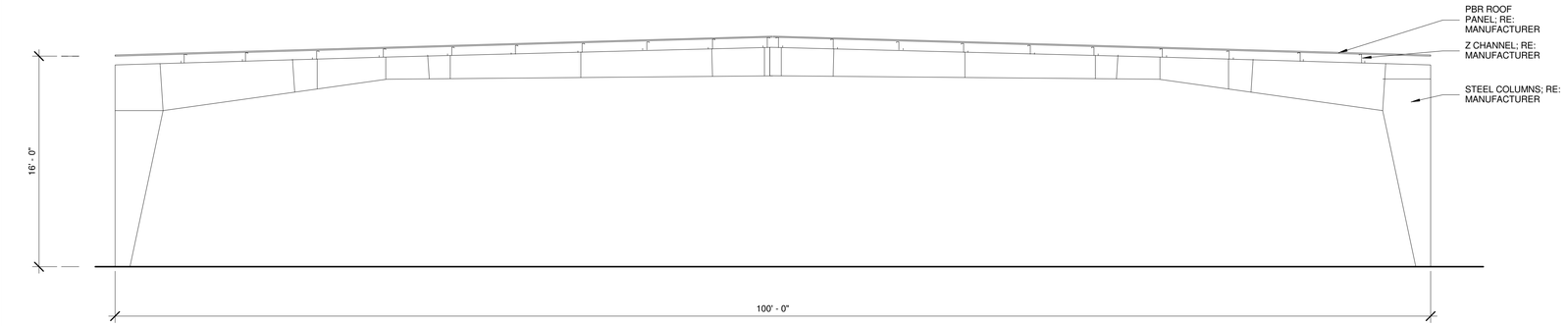
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A300

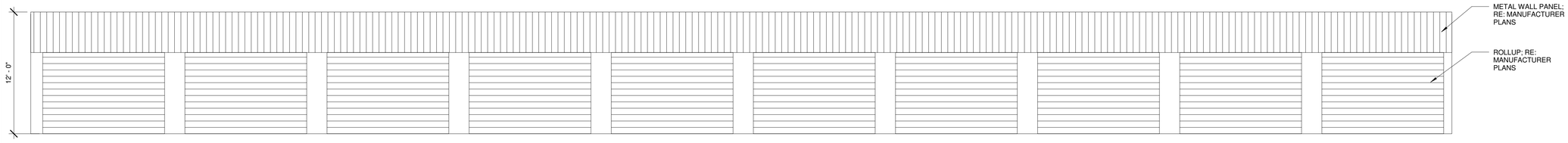
Scale 1/4" = 1'-0"



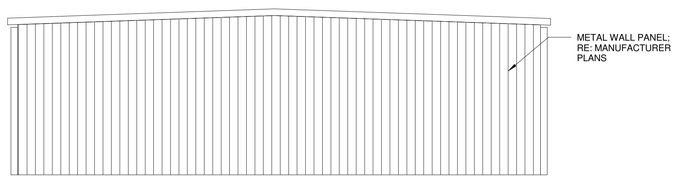
1 OPEN STRUCTURE - ELEVATIONS
3/16" = 1'-0"



2 OPEN STRUCTURE - FRONT ELEVATION
3/16" = 1'-0"



3 STORAGE - FRONT & REAR ELEVATION
3/16" = 1'-0"



4 STORAGE - SIDE ELEVATION
3/16" = 1'-0"

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LAREDO, TX. 78043

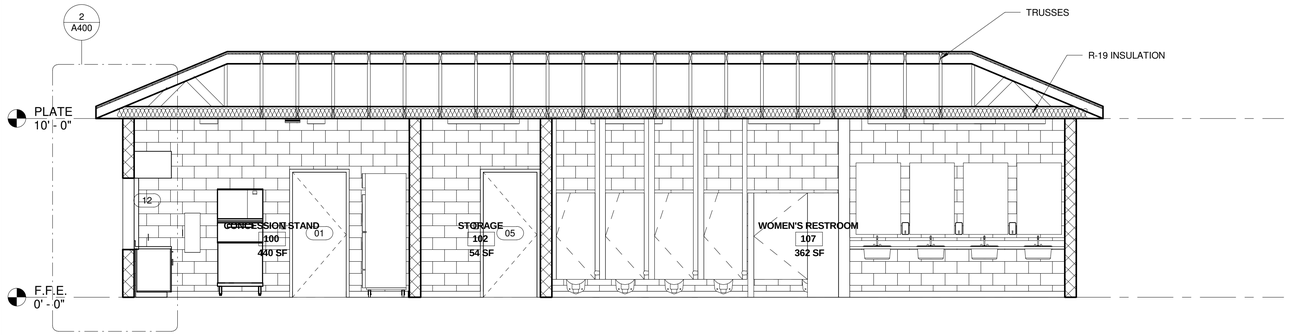
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

EXTERIOR ELEVATIONS

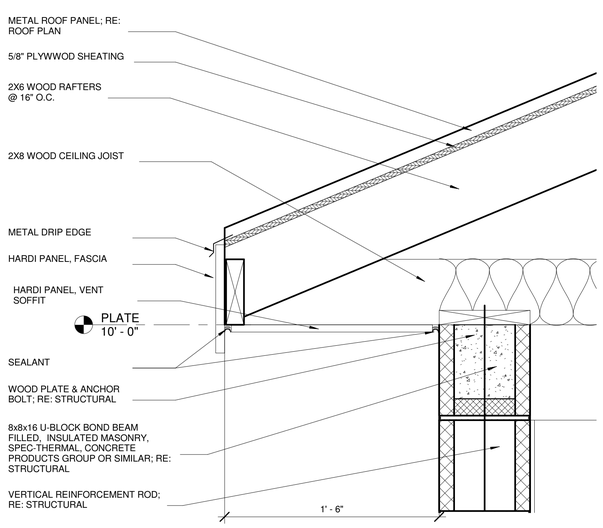
Project number	331114
Date	FEB. 02, 2015
Draw by:	-
Checked by	-

A301

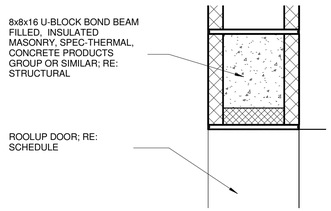
Scale 3/16" = 1'-0"



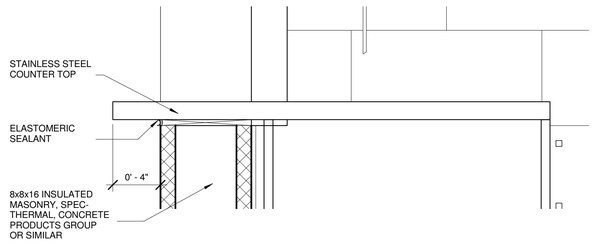
1 Section 7
1/4" = 1'-0"



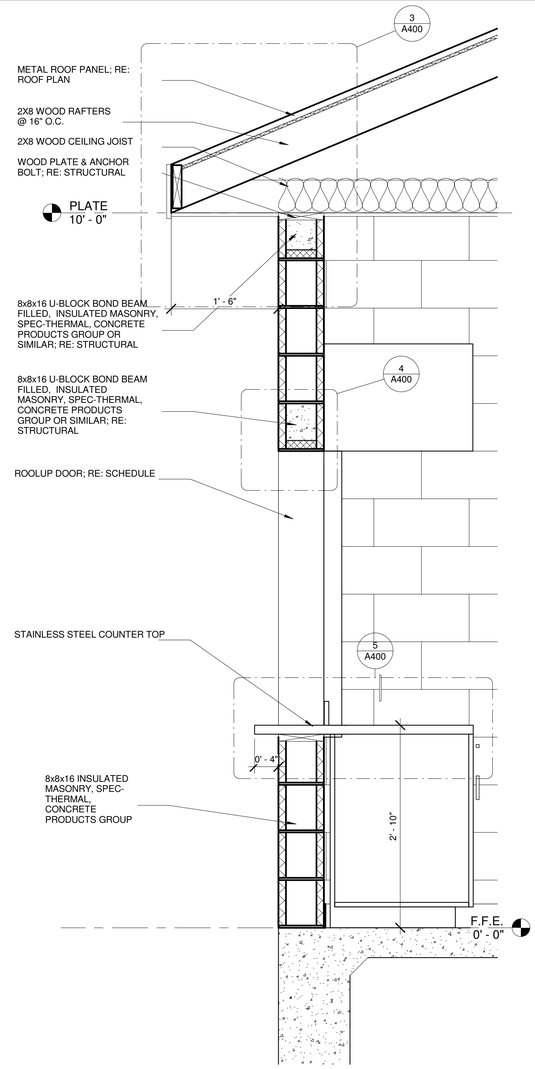
3 DETAIL
1 : 6



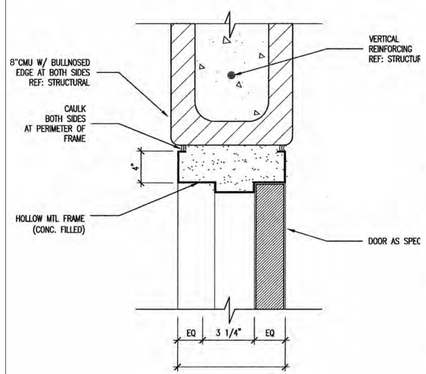
4 DETAIL
1 : 6



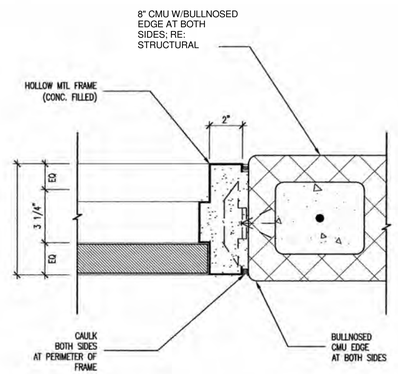
5 DETAIL
1 : 6



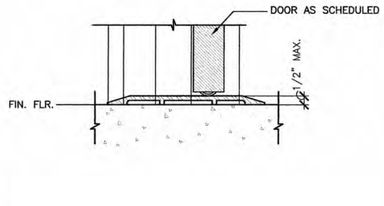
2 TYPICAL WALL SECTION
1" = 1'-0"



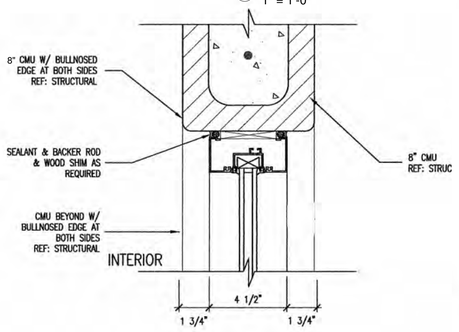
6 CMU DOOR HEAD DETAIL
1 1/2" = 1'-0"



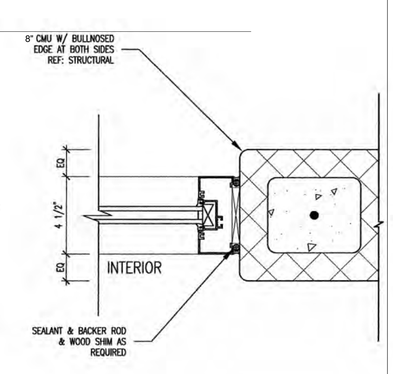
7 CMU DOOR JAMB DETAIL
1 1/2" = 1'-0"



8 DOOR THERSHOLD DETAIL
1 1/2" = 1'-0"



9 CMU WINDOW HEAD DETAIL
1 1/2" = 1'-0"



10 CMU WINDOW JAMB DETAIL
1 1/2" = 1'-0"

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LAREDO, TX. 78043

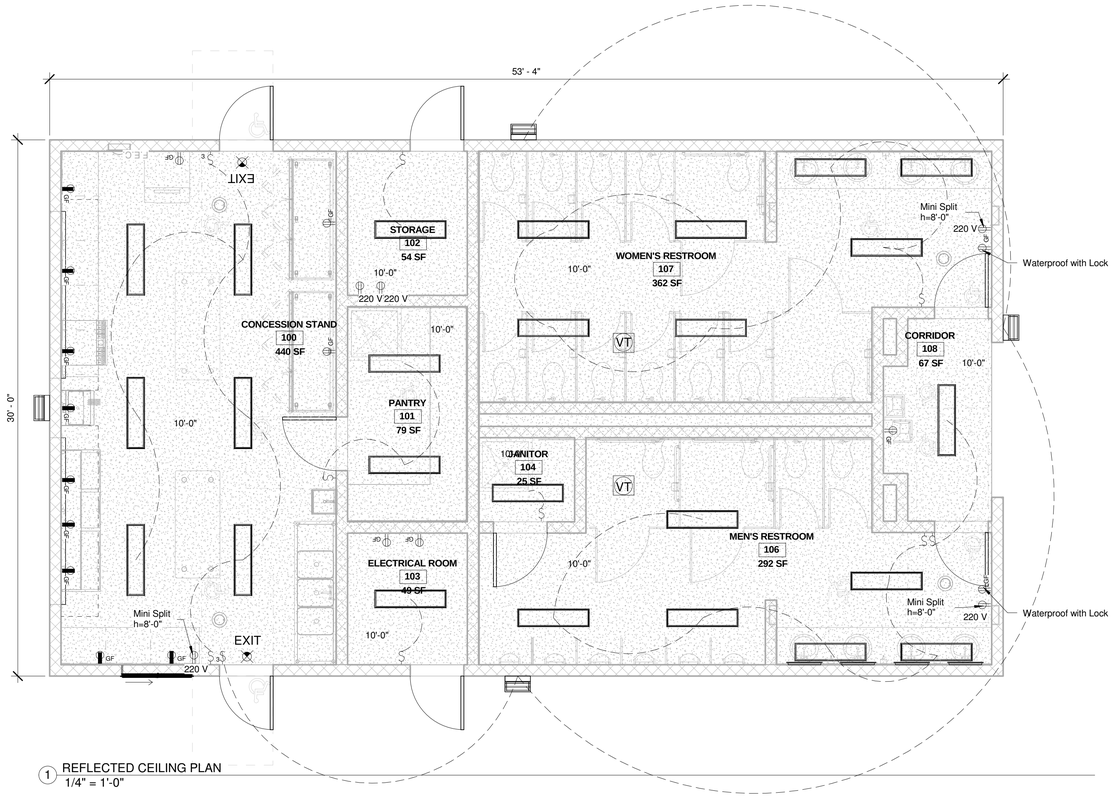
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

BUILDING SECTION, WALL SECTIONS & DETAILS

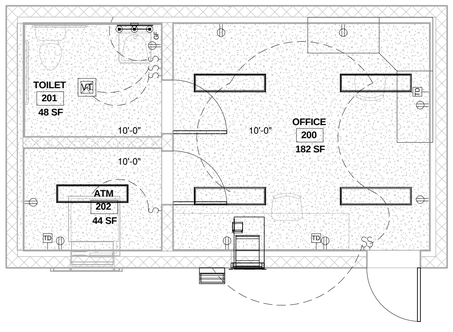
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A400

Scale: As indicated



1 REFLECTED CEILING PLAN
1/4" = 1'-0"



2 REFLECTED CEILING PLAN - OFFICE
1/4" = 1'-0"

ELECTRICAL SYMBOLS	
$	SWITCH
	110 V DUPLEX OUTLET
GF	GROUND FAULT INTERRUPTOR D.O
	CAN RECCESSED LIGH FIXTURE
	WALL MOUNT LIGH FIXTURE
	FAN/LIGH
VT	VENT LIGH
	SMOKE DETECTOR
T	TELEPHONE DETECTOR
	WALL PACK
	1X4 SURFACE LIGHT
	GYPSUM BOARD CEILING

3 ELECTRICAL & RCP LEGEND
1/4" = 1'-0"

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AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

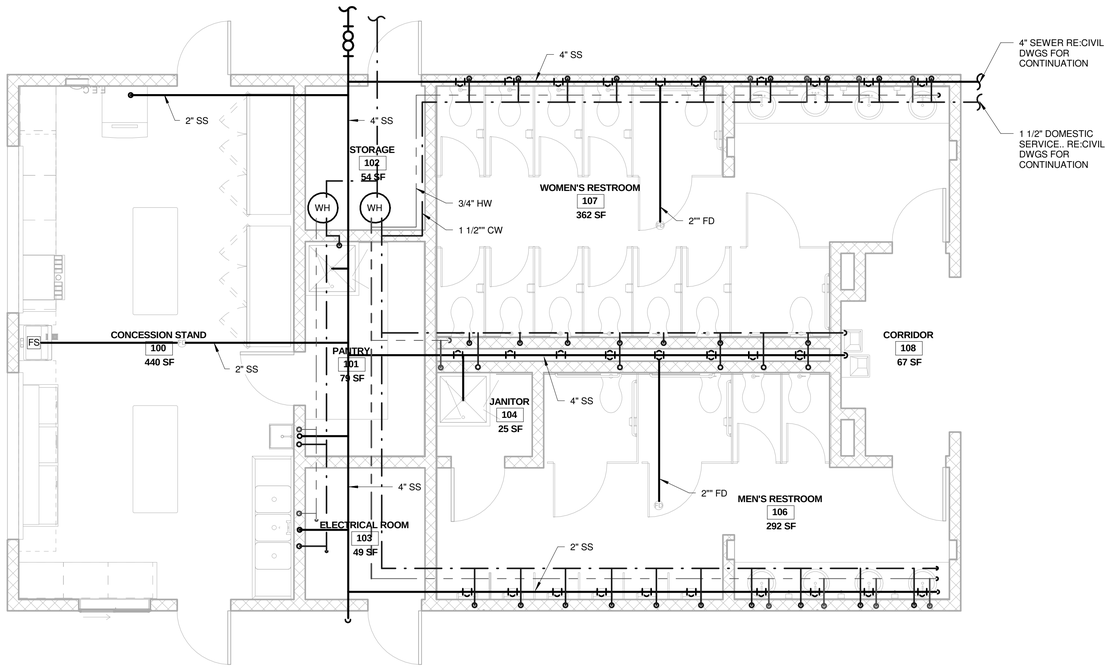
No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

RCP & ELECTRICAL LAYOUT

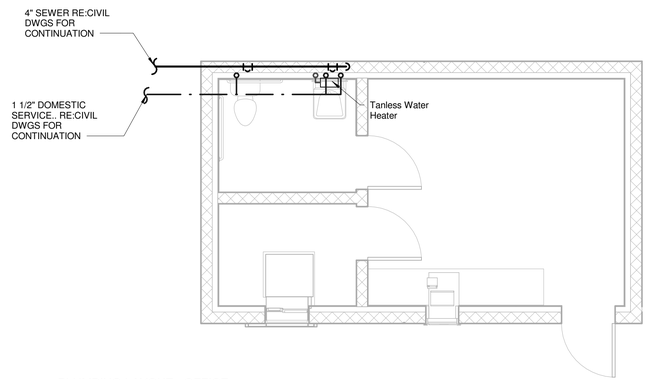
Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A500

Scale 1/4" = 1'-0"



1 PLUMBING LAYOUT -RESTROOM
1/4" = 1'-0"



2 PLUMBING LAYOUT - OFFICE
1/4" = 1'-0"

PLUMBING SYMBOLS	
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	SEWER
WH	ELECTRIC WATER HEATER
FD	FLOOR DRAIN
FS	FLOOR SINK

PLUMBING SYMBOLS
1/4" = 1'-0"

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No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

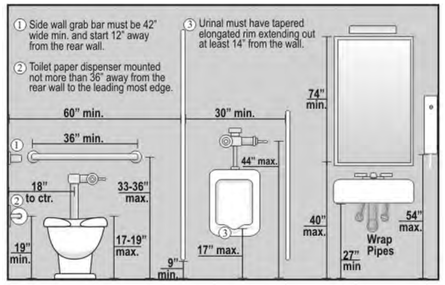
PLUMBING LAYOUT

Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

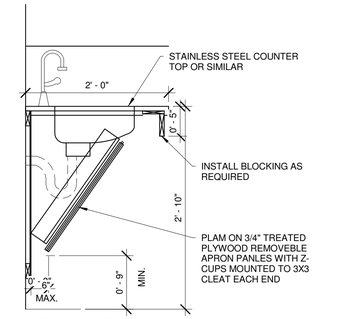
A600

Scale 1/4" = 1'-0"

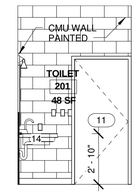
EQUIPMENT	
Key Value	Keynote Text
01	Krowne Stainless Steel Cocktil Station w/12" Deep Ice Bin & 7 Circuit Cold Plate , MFR: 18-24-7; By Owner
02	Edesa 42 Cu, ft. Stainless Steel Top Back Bar Cooler 95 1/2" W, MFR: EBB94; By Owner
03	Soda Machine :By Owner
04	Manitowoc 632 lb. Full Dice Indigo Ice Machine with 430 lb. Bin 30" , MFR: ID0606A-B570
05	Regency 18 Gauge 30" x 72" 304 Stainless Steel Commercial Work Table with Undershelf; by Owner
06	72 cu. ft. 3 Door Bottom Mount Reach-In Refrigerator 81" W, MFR: MCR-72FDRE; By Owner
07	Advance Tabco 7-PS-60 Hand Sink with Splash Mount Faucet - 17 1/4" x 15 1/4" or similar
08	Regency 16 Gauge Three Compartment Stainless Steel Commercial Sink with 1 Drainboard - 84 1/2" Long, 18" x 24" x 14" Compartments or similar; By Owner
09	Advance Tabco 9-OP-40 16" x 20" x 12" Floor Mounted Mop Sink or similar; Re: MEP
10	Crane Eco Placidus Elongated 1.1 GPF Flushometer Toilet VITREOUS CHINA; Re: MEP
11	Crane "Access Pro" Mod. #1580 Self Rimming Oval Basin Countertop; Re: MEP
12	Crane "Manhattan" Siphon Jet Wall Hung Urinal; Re: MEP
13	Elkay Soft Sides® ADA Bi-Level Fountain EDFP217FC or similar; Re: MEP
14	American Standard 0355.012.020 Lucerne Wall-Mount Sink with 4" Centers, White or similar; Re: MEP
15	ATM Machine; By Owner
16	Quickserv Corp. Model Q-Tran-1019 Transaction Station with QST-1019 Transaction Drawer and A drawer-mounted speaker
17	Sliding Window 3'-4"x 4'-0"
18	Overhead Rolling 9'-0" x 6'-6"
19	Work Station; By Owner
20	Bobrick Surface Mounted Single Jumbo Roll Toilet Tissue Dispenser B2890
21	Bobrick Classic, Series B-2111 Surface Mounted Soap Dispenser
22	Bobrick Recessed Paper Towel Dispenser & Waste Receptacle B369
23	30x48 Mirror
24	Grab Bars
25	Stainless Steel Partition , Ceiling Hung - Series 600 , Bradley or similar
26	Stainless Steel Counter Top or similar
27	Stainless Steel Urinal Screen



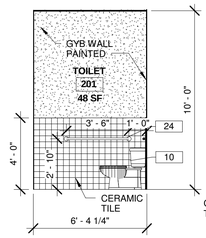
16 TOILET ROOM TECNICAL REQUITEMENTS
3/4" = 1'-0"



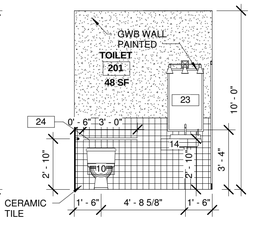
17 TYP. SINK DETAIL
1" = 1'-0"



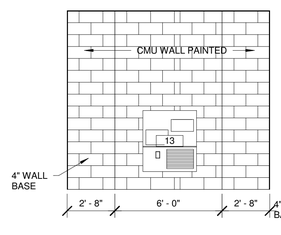
15 TOILET # 201
1/4" = 1'-0"



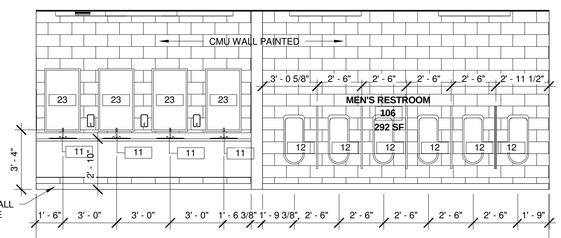
14 TOILET # 201
1/4" = 1'-0"



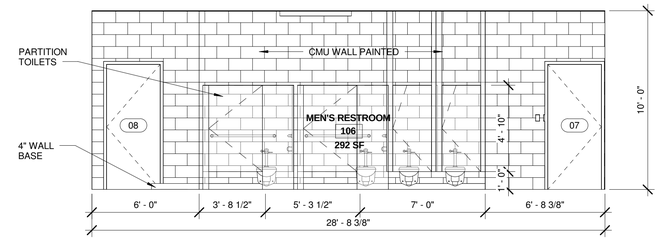
13 13
1/4" = 1'-0"



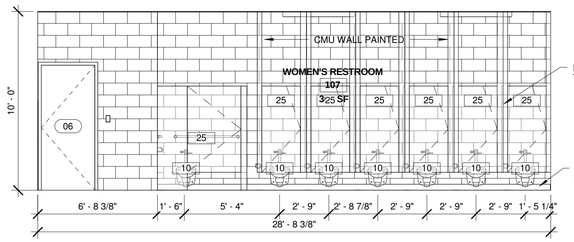
12 DRINKING FOUNTAIN
1/4" = 1'-0"



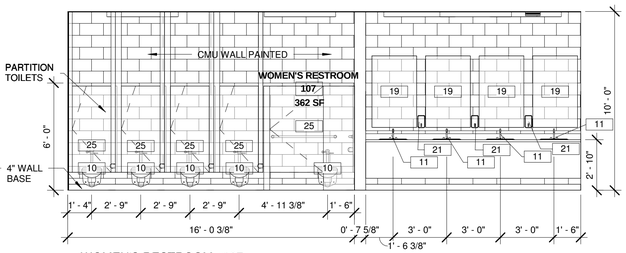
11 MEN'S RESTROOM
1/4" = 1'-0"



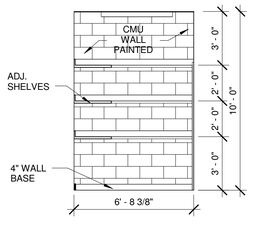
10 MEN'S RESTROOM
1/4" = 1'-0"



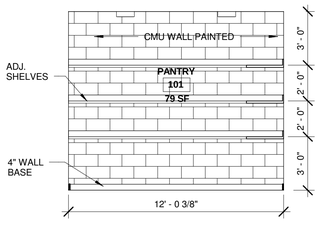
9 WOMEN'S RESTROOM
1/4" = 1'-0"



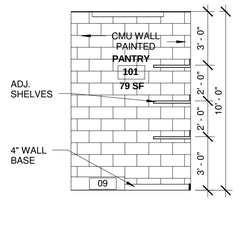
8 WOMEN'S RESTROOM #107
1/4" = 1'-0"



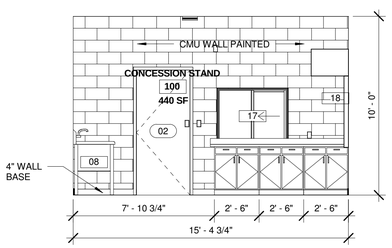
7 PANTRY #101
1/4" = 1'-0"



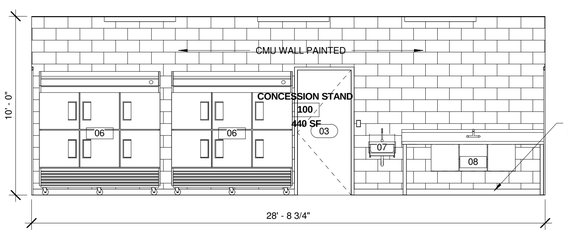
6 PANTRY #101
1/4" = 1'-0"



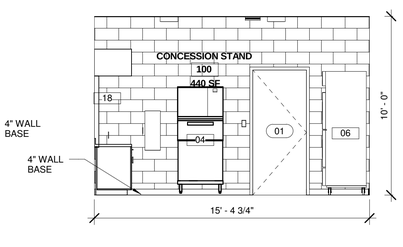
5 PANTRY #101
1/4" = 1'-0"



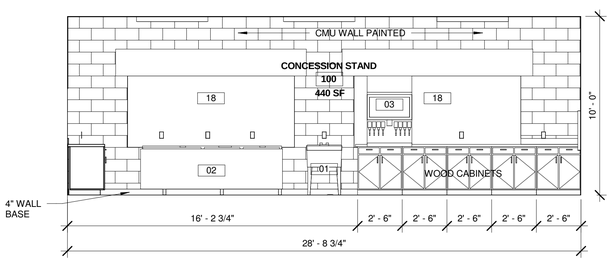
4 CONCESSION STAND
1/4" = 1'-0"



3 CONCESSION STAND
1/4" = 1'-0"



2 CONCESSION STAND
1/4" = 1'-0"



1 CONCESSION STAND
1/4" = 1'-0"

SPACIOS
M.A.Spacios
Commercial & Residential Design
1622 Stonefield, Laredo. Tx.
Phone: 956. 744.6565

JOYCE LANDS, LLC.
LAS BLANCAS FLEA MARKET
AT 102 CAMINO NUEVO ROAD
LOTS 1A - 5A-, BLOCK 2
LAS BLANCAS SUBDIVISION, UNIT 2
LAREDO, TX. 78043

No.	Description	Date
1.	FOR PERMIT	FEB. 09, 2015

CASEWORK & INTERIOR ELEVATIONS

Project number	331114
Date	FEB. 02, 2015
Draw by:	MAS
Checked by	MAS

A700

Scale: As indicated

STRUCTURAL NOTES

BUILDER / CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY.

METAL BUILDING STRUCTURE DESIGNED PER THE FOLLOWING LOADING:

CODE: IBC 2012
WIND: 115 MPH EXPOSURE B WINDLOAD
ROOF LOAD: 20 PSF ROOF LIVE LOAD
SEISMIC: N/A
SNOW LOAD: 30 PSF (MAX) GROUND SNOW LOAD

DESIGN LOADS DESIGNATED WITHIN CONTRACT AND DRAWINGS DO NOT ALLOW FOR ANY TYPE OF SUSPENDED SYSTEM (E.G. LIGHTS, INSULATION, DUCT WORK, PIPING, ETC.) SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.

DESIGN AND SPECIFICATION OF BASE STEEL TO CONCRETE SLAB ANCHORING IS NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR CONCRETE SLAB FOUNDATION DESIGN, THICKNESS, MATERIALS, SITE SOIL CONDITIONS OR OTHER CONCRETE/MASONRY CONSTRUCTION.

ALL STRUCTURAL CONNECTIONS ARE TO BE MADE PER FASTENING DETAILS PRESENTED HEREIN. ALL STEEL FRAMING AND SHEETING MATERIALS MUST BE INSTALLED TO VERTICAL PLUMB AND HORIZONTALLY LEVEL.

THE BUILDING MANUFACTURER AND THE PROFESSIONAL ENGINEER SEALING THESE DRAWINGS ARE NOT THE PROFESSIONAL ENGINEER OF RECORD FOR THE ENTIRE PROJECT. THE PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE STRUCTURAL DESIGN OF THE METAL BUILDING SYSTEM. IT DOES NOT APPLY TO THE FOUNDATION SYSTEM, MASONRY DESIGN OR ANY OTHER ASPECT OF THE PROJECT UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.

JOBSITE / FIELD CONDITIONS NOTES:

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS TO STRUCTURE NOT INDICATED AT THE TIME OF PURCHASE. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE DIRECTION OF REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.

ALL CONCRETE AND MASONRY CONSTRUCTION MUST BE FLAT, LEVEL AND SQUARE PER THE SLAB PLAN DIMENSIONS HEREIN.

ALL JOBSITE DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BEFORE ERECTION OF BUILDING STRUCTURE.

ALL OMISSIONS, CONFLICTS AND DISCREPANCIES SHALL BE REPORTED TO THE BUILDING MANUFACTURER BEFORE PROCEEDING WITH PROJECT WORK.

ALL TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING, WINDBRACES OR OTHER ELEMENTS REQUIRED FOR THE BUILDING ERECTION ARE TO BE DETERMINED BY AND SUPPLIED BY BUILDER/CONTRACTOR.

BUILDING MANUFACTURER HAS MADE A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. JOB SITE SAFETY INSTRUCTION, SAFETY EQUIPMENT AND CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

ALL COMPONENTS SHIPPED SHALL BE THOROUGHLY INSPECTED AND ACCOUNTED FOR AT THE TIME OF DELIVERY. ALL MATERIAL SHORTAGES OR DEFECTS MUST BE REPORTED WITHIN FIVE (5) WORKING DAYS OF MATERIAL DELIVERY TO THE BUILDING MANUFACTURER.

DIAPHRAGM ACTION OF THE METAL PANELS AT INTERIOR PARTITION WALLS IS UTILIZED FOR THE STABILITY OF THIS BUILDING. ANY MODIFICATION OR UNAUTHORIZED CUTTING OF INTERIOR PARTITION PANELS IS EXPRESSLY PROHIBITED BY THE BUILDING MANUFACTURER.

PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. THE TOP PARTITION PANEL CAN BE NOTCHED TO MATCH ROOF LINE AND CLEAR PURLIN LEG TO CLOSE IN THE UNIT AS DESIRED.

INSTALLATION NOTES:

FIELD CUTTING OF STRUCTURAL, SHEETING AND TRIMS FOR SPLICE AND FINAL FITTING OF COMPONENTS IS REQUIRED.

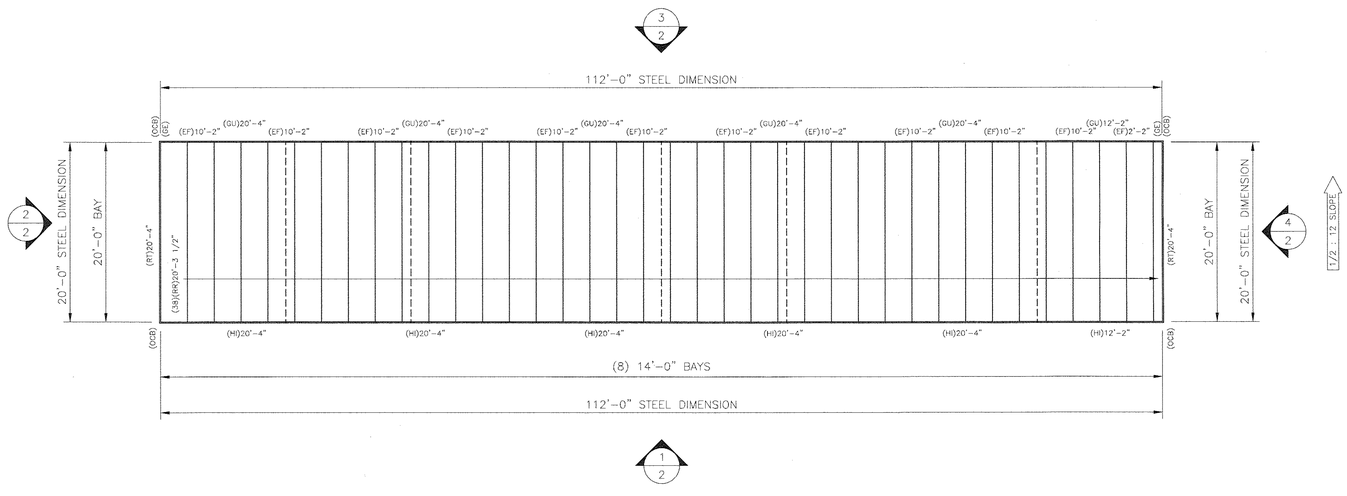
ALL ROOF PANEL LAPS SHALL BE SEALED WITH 3/8" (MINIMUM) WIDTH MASTIC TAPE AS PROVIDED FOR PROJECT. ALL SHEET PROFILE FOAM CLOSURES AT EAVE, WALL AND RIDGE CONDITIONS AS PROVIDED FOR PROJECT MUST BE INSTALLED AS SHOWN HEREIN.

WALL PANELS AND WALL TRIMS, AT INTERIOR AND EXTERIOR, ARE TO BE SET WITH 1/4" CLEARANCE ABOVE CONCRETE SURFACES AND AT ANY LOCATIONS WHICH MAY BE SUBJECTED TO CONTACT WITH STANDING WATER.

LAP ALL FLASHINGS 2" MINIMUM AND SEAL AS REQUIRED FOR WATER TIGHTNESS

ALLOW 1/4" TOLERANCE AT EACH END FOR PURLINS, HEADERS AND GIRTS.

DRAWING INDEX



KEY PLAN

scale – 1/8" = 1'-0"

CONSTRUCTION	CJT	01/19/15
PRINTS ISSUED FOR	BY	DATE

BLDG. 1
20 x 112 x 12-0 LS
LOCATION:
Laredo, TX 78041

Austin Building Systems, Inc.
www.buildmetal.com
4011 Industrial Blvd. Pace, FL 32571
Phone 888 399 6079 Fax 540 427 6880

DWG #14-3223KCN

Sheet
1 of 7

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

ERECTOR NOTE:
A DETAILED INSTALLATION GUIDE IS AVAILABLE AND SHOULD BE CONSULTED DURING THE ERECTION OF THIS BUILDING PACKAGE. PLEASE CONTACT US IF YOU HAVE NOT RECEIVED A COPY OF THE INSTALLATION GUIDE AND ONE WILL BE PROVIDED TO YOU.

CLOSURE NOTE:
(38) INSIDE CLOSURES INCLUDED FOR LOW EAVE. INSTALL BTR TAPE ON TOP AND BOTTOM OF INSIDE CLOSURE (SEE DETAILS AND INSTALLATION GUIDE)
(52) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(14) OUTSIDE CLOSURES INCLUDED FOR RAKE.
(76) OUTSIDE CLOSURES INCLUDED FOR ROOF AND WALL OF HIGH EAVE.

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OC	ON CENTER
APPROX	APPROXIMATE	FDN	FOUNDATION	OD	OUTSIDE DIAMETER
BLDG	BUILDING	FF	FINISHED FLOOR	OH	OPPOSITE HAND
BLK	BLOCK	FOB	FACE OF BLOCK OR BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT OR FEET	RAD	RADIUS
BLKG	BLOCKING	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GWB	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	ID	INSIDE DIAMETER	STL	STEEL
DWG	DRAWING	INSUL	INSULATION	TOB	TOP OF BEAM
DIM	DIMENSION	INT	INTERIOR	TOC	TOP OF CONCRETE
DR	DOOR	INFO	INFORMATION	TOS	TOP OF STEEL
EA	EACH	JT	JOINT	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MAX	MAXIMUM	TS	TUBE STEEL
EJ	EXPANSION JOINT	MIN	MINIMUM	TYP	TYPICAL
EL	ELEVATION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	MTL	METAL	VAR	VARIES
EXP	EXPANSION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXT	EXTERIOR	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT
EOS	EDGE OF SLAB	OA	OVERALL		

STRUCTURE ABBREVIATIONS

(BA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– FLOOR BASE ANGLE
(BC) – U42516Z 4 1/8 X 2 7/8 X 16GA. CHANNEL (9.9)	– FLOOR BASE CHANNEL
(C4) – C4216R 4 X 2 X 16GA. CEE (8.9)	– 4" COLUMN
(C6) – C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– 6" COLUMN
(DH) – C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD
(DJ) – C43516R 4 X 3 1/2 X 16GA. CEE (11.9)	– DOOR JAMB
(EC) – U4216R 4 1/8 X 2 3/8 X 16GA. CHANNEL (8.9)	– EAVE CHANNEL
(ES) – E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– EAVE STRUT
(FC) – AS MANUFACTURED	– FLOOR CLIP
(G) – C4216R 4 X 2 X 16GA. CEE (8.9)	– GIRT
(HA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– HALL TOP ANGLE
(HR) – C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD REINFORCEMENT
(JR) – C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– JACK RAFTER
(M) – C12416R 12 X 4 X 16GA. CEE (20.9)	– MULLION
(MC) – B4216R 4 X 2 X 2" LONG 16GA. ANGLE (5.9)	– MINI CLIP
(P4) – Z42516R 2 1/2 X 4 X 2 1/2 X 16GA. ZEE (9.9)	– ROOF PURLIN
(P6) – Z62516R 2 1/2 X 6 X 2 1/2 X 16GA. ZEE (11.9)	– ROOF PURLIN
(P8) – Z82516R 2 1/2 X 8 X 2 1/2 X 16GA. ZEE (13.9)	– ROOF PURLIN
(PA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– PARTITION ANGLE
(RA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– RAKE ANGLE
(RS) – E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– RIDGE STRUT

SHEETING ABBREVIATIONS

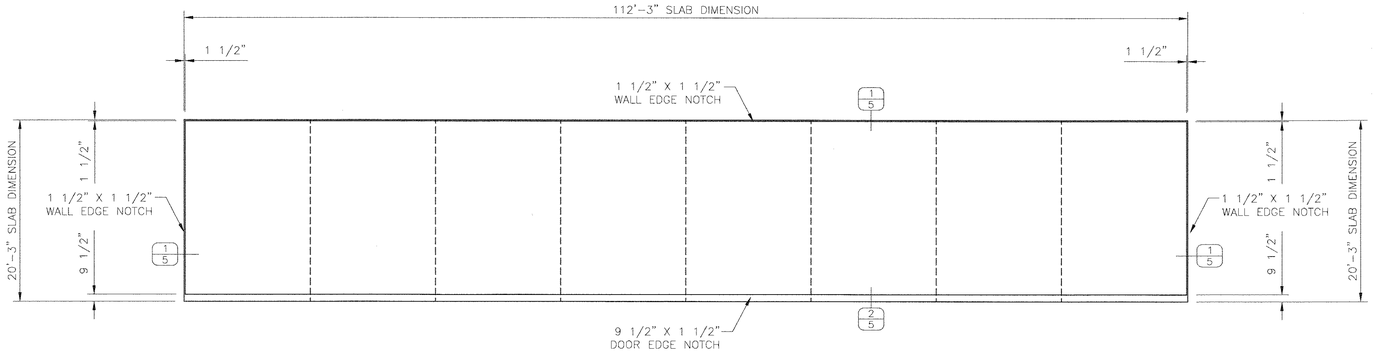
(ML) –	29GA. M-LOC WALL PANEL
(RL) –	29GA. R-LOC WALL PANEL
(PL) –	29GA. PANEL-LOC WALL PANEL
(RR) –	26GA. PBR ROOF PANEL
(RW) –	26GA. PBR WALL PANEL

FASTENER ABBREVIATIONS

(F1) – 1/2" X 2 3/4" CONC. EXPANSION ANCHOR	– BASE TO SLAB CONNECTIONS
(F2) – 12 X 1 SELF-DRILLING TEK (PLTD)	– STRUCTURAL STEEL CONNECTIONS
(F3) – 12 X 1 SELF-DRILLING TEK (PLTD)	– PARTITION SHEETING
(F4) – 12 X 2 SELF-DRILLING TEK (PLTD)	– PARTITION ANGLE CONNECTIONS
(F5) – 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR WALL SHEETING
(F6) – 12 X 1 1/4 WASHER ZAC (PTD)(PLTD)	– ROOF SHEETING
(F7) – 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR TRIM DRILLER
(F8) – 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR WALL PANEL LAP
(F9) – 12 X 7/8 WASHER ZAC (PTD)(PLTD)	– ROOF PANEL LAP
(F10) – 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR TRIM LAP
(F11) – 1/8 POP RIVET	– EXTERIOR TRIM
(F12) – 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR WALL SHEETING
(F13) – 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR TRIM DRILLER
(F14) – 12 X 7/8 WASHER TEK (PTD)	– INTERIOR WALL PANEL LAP
(F15) – 12 X 7/8 WASHER TEK (PTD)(PLTD)	– INTERIOR TRIM LAP

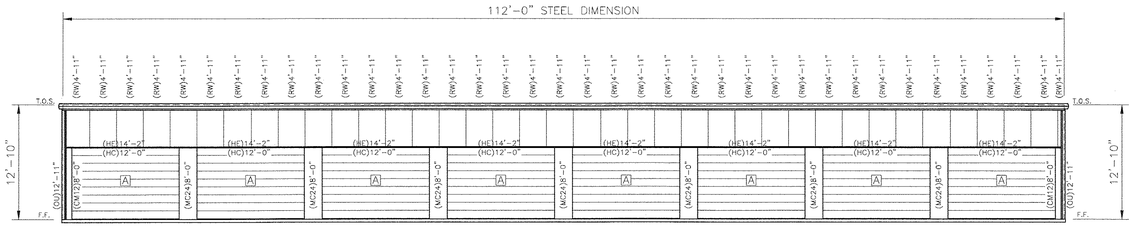
TRIM ABBREVIATIONS

(BTR)	– 7/8" ROLL MASTIC	(ICB)	– INSIDE CORNER BOX
(CLIN)	– R PANEL INSIDE FOAM CLOSURE	(JA)	– DOOR JAMB TRIM
(CLOUT)	– R PANEL OUTSIDE FOAM CLOSURE	(JC)	– DOOR JAMB COVER TRIM
(GEOCEL)	– GUTTER SEAL	(MC)	– DOOR MULLION COVER TRIM
(IN)	– R PANEL INSIDE CORNER TRIM	(OCB)	– OUTSIDE CORNER BOX
(OU)	– R PANEL OUTSIDE CORNER TRIM	(PB)	– PEAK BOX
(CM)	– DOOR CORNER MULLION TRIM	(REND)	– RAKE TRIM END CAP
(DK)	– DOWNSPOUT WITH KICK OUT	(RT)	– RAKE TRIM
(DSS)	– DOWNSPOUT STRAP	(SA)	– HALL TOP TRIM
(EF)	– EAVE FLASHING	(TI)	– ROOF TIE IN TRIM
(FRC)	– FORMED RIDGE CAP	(TR)	– ROOF STEP TRANSITION FLASHING
(GE)	– GUTTER END CAP	(4SP)	– 4OZ. TOUCH UP SPRAY PAINT
(GS)	– GUTTER HANGER STRAP		
(GU)	– GUTTER		
(HC)	– DOOR HEAD COVER TRIM		
(HE)	– DOOR HEAD TRIM		
(HI)	– HIGH EAVE TRIM		



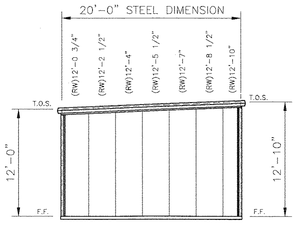
SLAB PLAN

scale - 1/8" = 1'-0"



1 FRONT ELEVATION

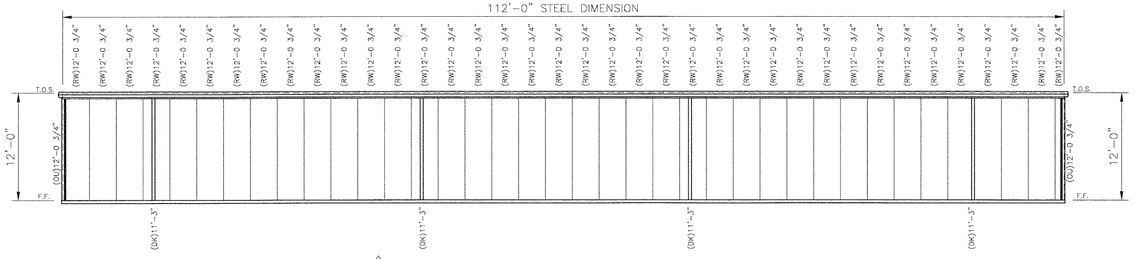
scale - 1/8" = 1'-0"



2 LEFT ELEVATION

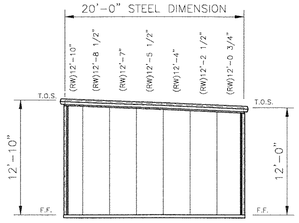
scale - 1/8" = 1'-0"

DOOR SCHEDULE
A (8) EACH 12'-0" X 8'-0" ROLLUP DOOR



3 REAR ELEVATION

scale - 1/8" = 1'-0"



4 RIGHT ELEVATION

scale - 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

DATE	BY	PRINTS ISSUED FOR
01/19/15	CJT	CONSTRUCTION

BLDG. 1
20 x 112 x 12-0 LS
LOCATION:
Laredo, TX 78041

Austin Building Systems, Inc.
www.buildmetal.com
402 Industrial Drive Lexington, NE 68850
Phone 888 399 6079 Fax 540 427 6880

DWG #14-3223KCN

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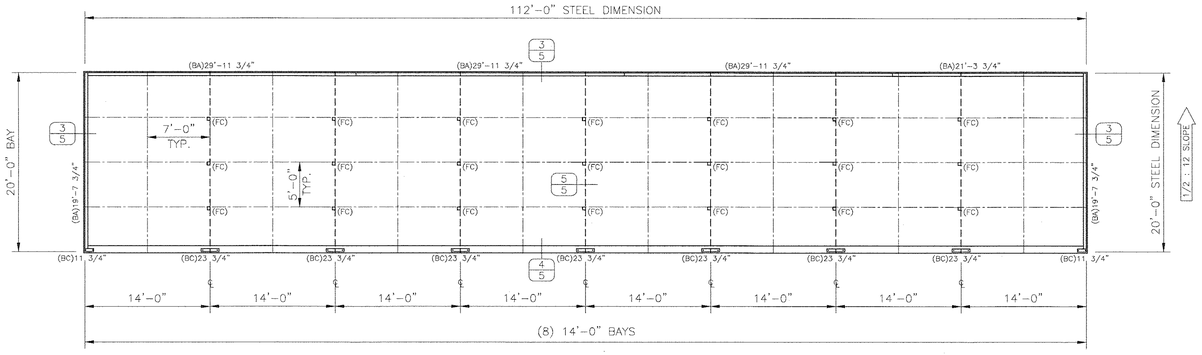
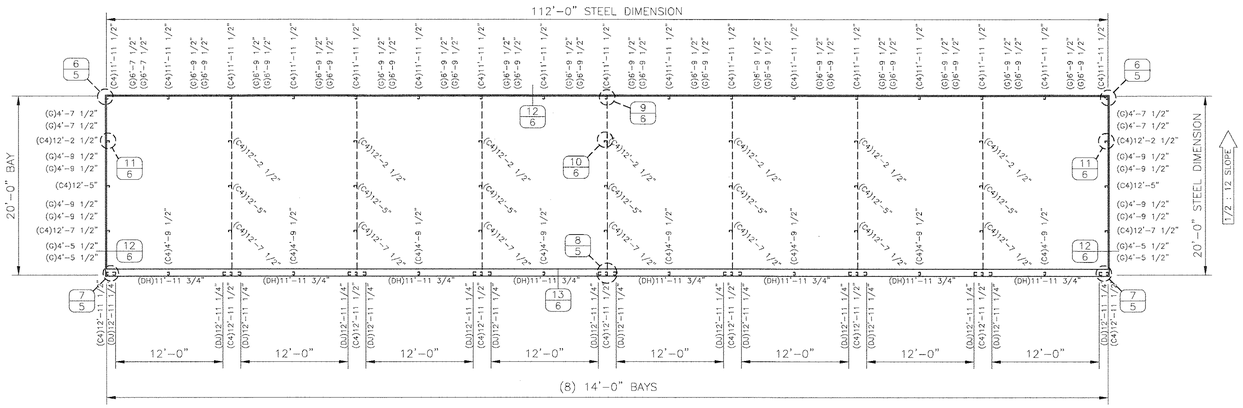


FLOOR PLAN

scale - 1/8" = 1'-0"



FRAMING PLAN

scale - 1/8" = 1'-0"

	CONSTRUCTION	01/19/15
	PRINTS ISSUED FOR	DATE
		BY

BLDG. 1
20 x 112 x 12-0 LS
LOCATION:
Laredo, TX 78041

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www.austinbuildingsystems.com
402 Hillview Industrial Drive Cabot, AR 72023
Phone 888 399 6079 Fax 540 427 6982

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Sheet
3 of 7

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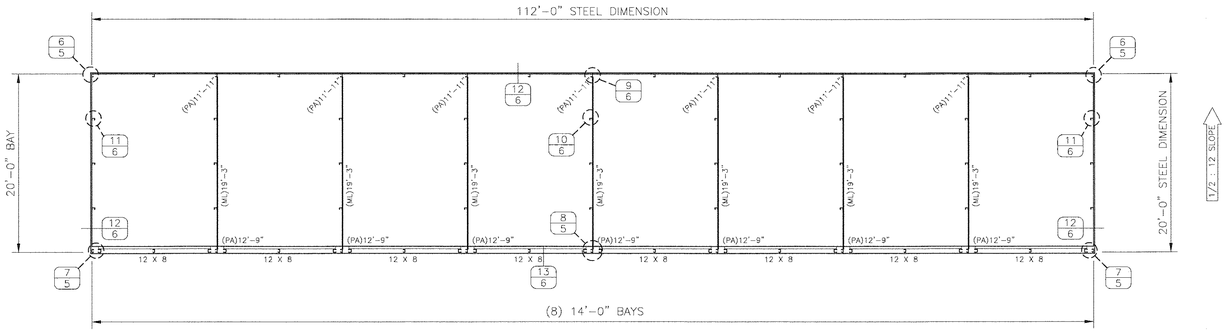
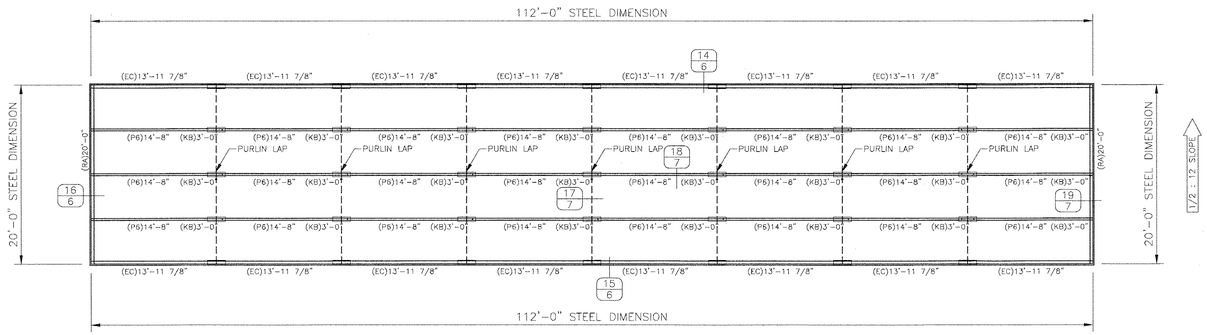
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698



PARTITION PLAN

scale - 1/8" = 1'-0"



ROOF PLAN

scale - 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

DATE	BY	PRINTS ISSUED FOR
01/19/15	CJT	CONSTRUCTION

BLDG. 1
20 x 112 x 12-0 LS
LOCATION:
Laredo, TX 78041

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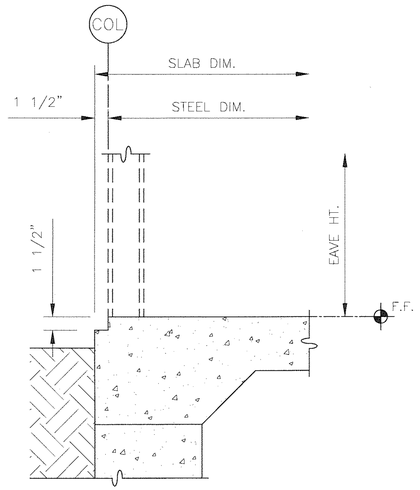
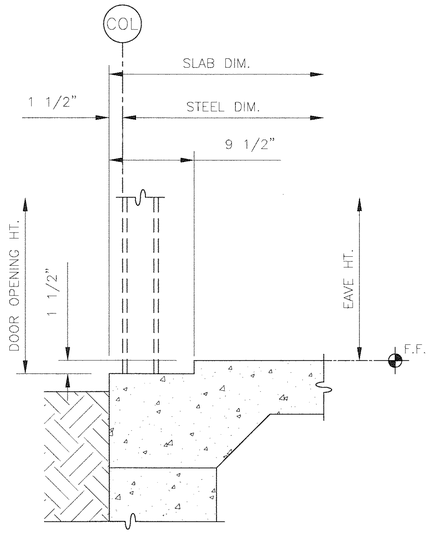
402 Hilltop Drive Huddleston VA 24104
www.Buildmetal.com
Phone 888 399 6079 Fax 540 427 6880

DWG #14-3223KCN

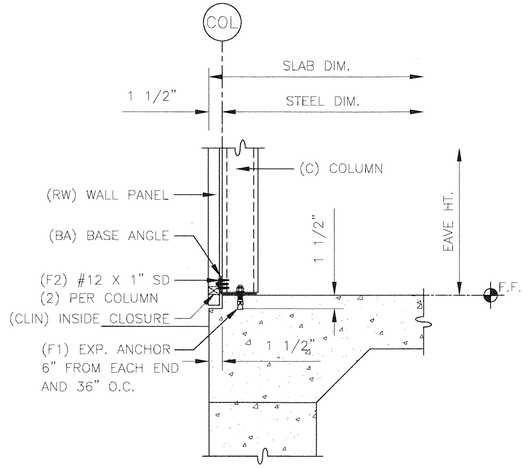
Sheet
4 of 7



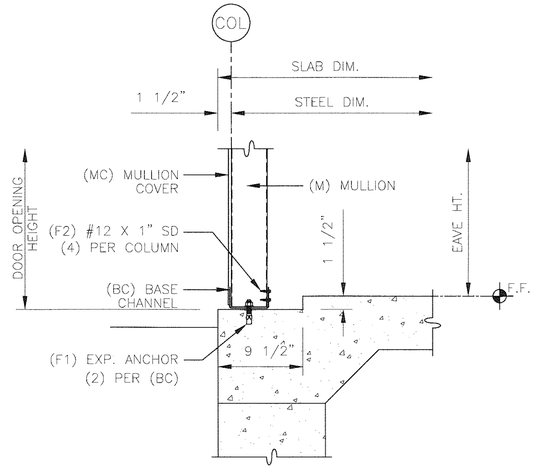
1 WALL EDGE SLAB NOTCH
1 1/2" X 1 1/2" NOTCH



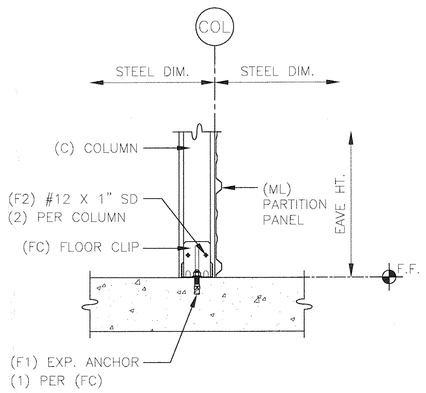
2 DOOR EDGE SLAB NOTCH
9 1/2" X 1 1/2" NOTCH



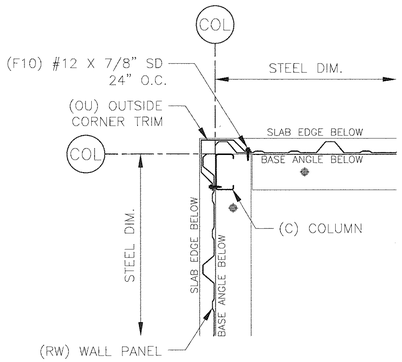
3 WALL EDGE BASE ANGLE



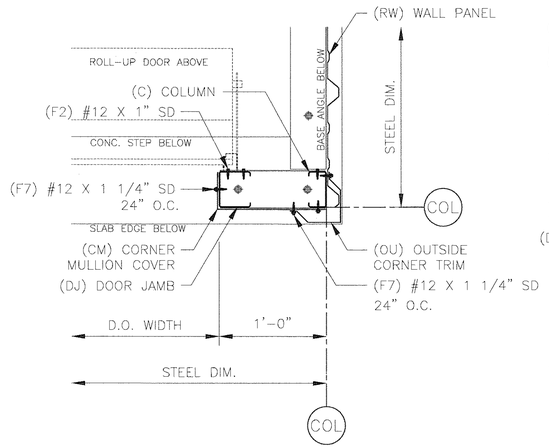
4 DOOR EDGE BASE



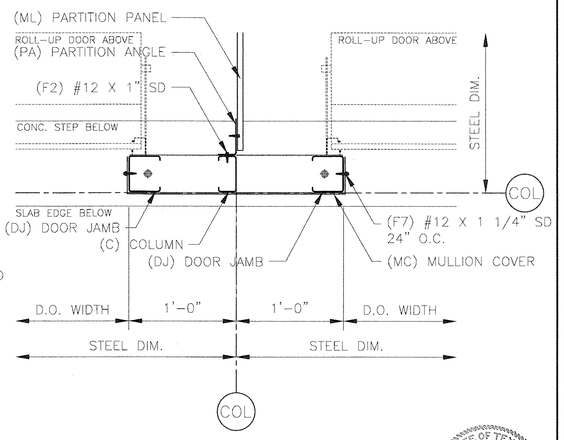
5 COLUMN FLOOR BASE CLIP



6 OUTSIDE CORNER



7 DOOR JAMB – 12" CORNER



ERECTOR NOTE:
BASE CHANNEL IS 1/4" SHORTER THAN MULLION.
CENTER BASE CHANNEL ON CENTERLINE OF BAY.

8 24" DOOR MULLION

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2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

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www.buildmetal.com
4031 Freidrich Lane Austin, TX 78744
Phone 888 390 6079 Fax 540 427 6980

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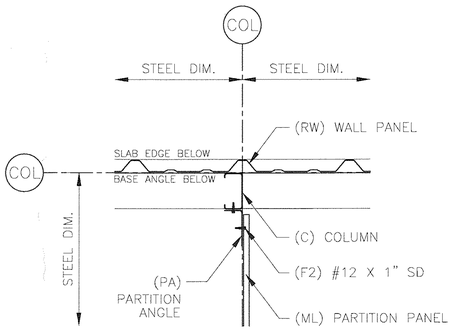
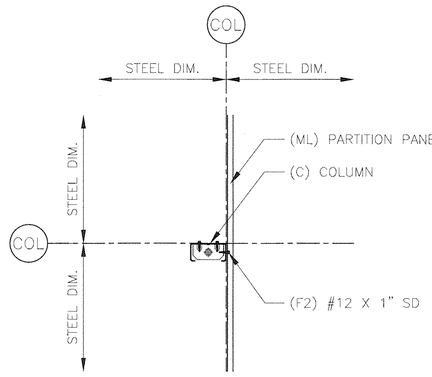
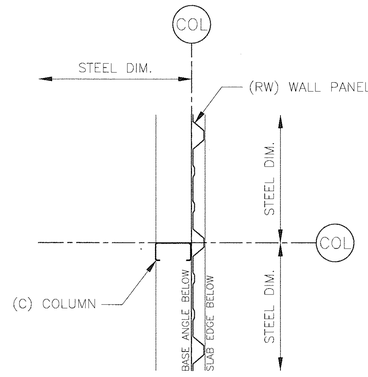


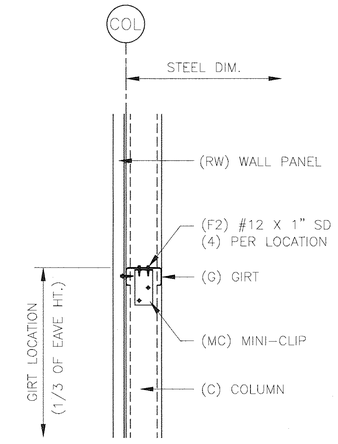
9 WALL WITH PARTITION



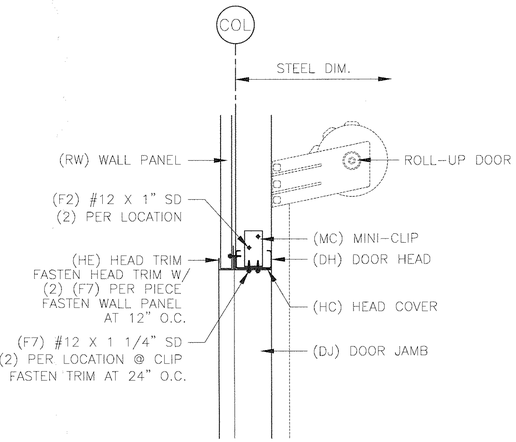
10 COLUMN CLIP



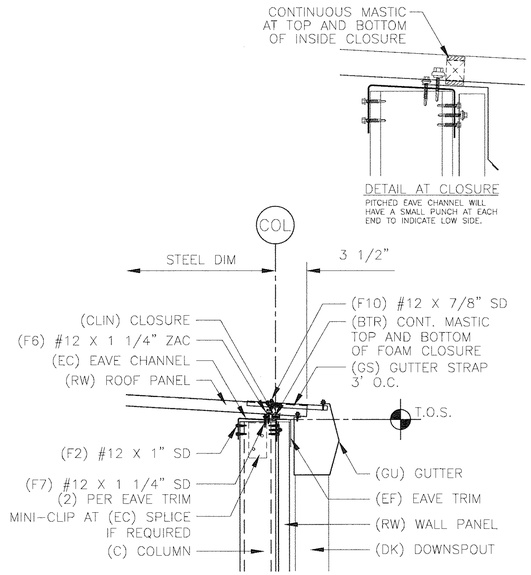
11 WALL



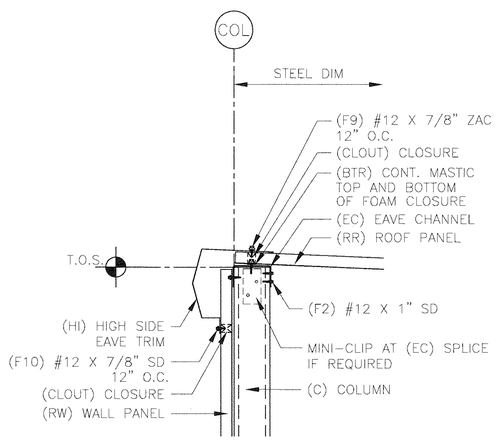
12 TYPICAL GIRT



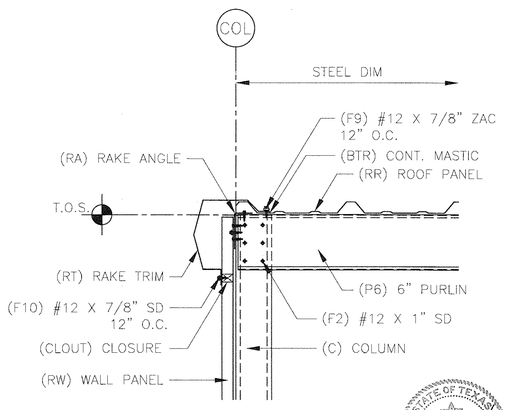
13 DOOR HEAD



14 LOW EAVE WITH GUTTER



15 HIGH EAVE



16 RAKE – 6" PURLIN

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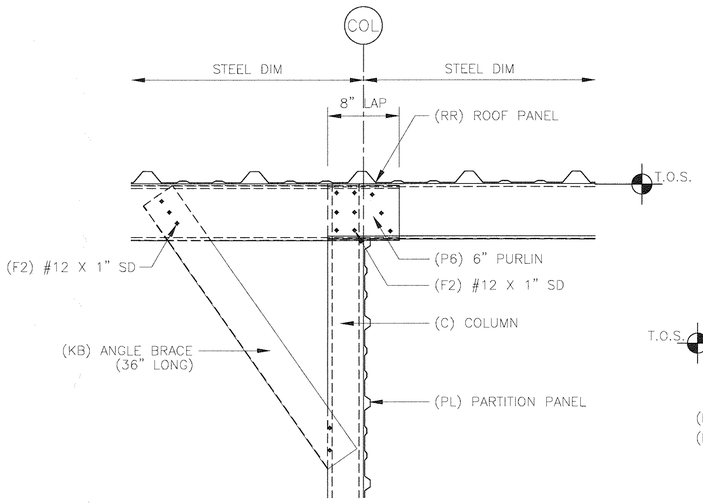
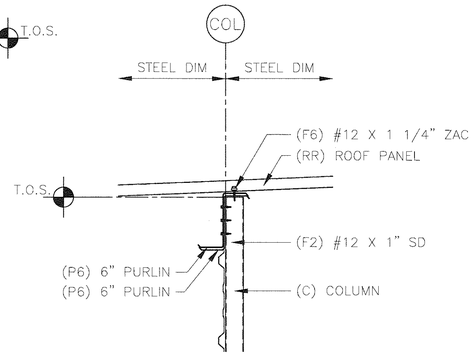
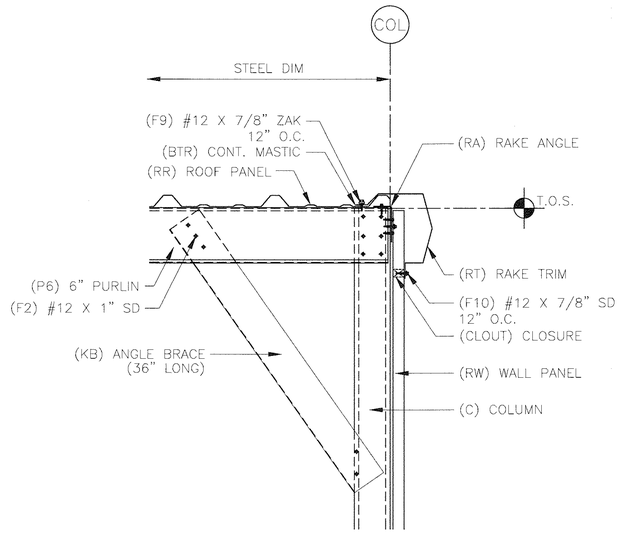


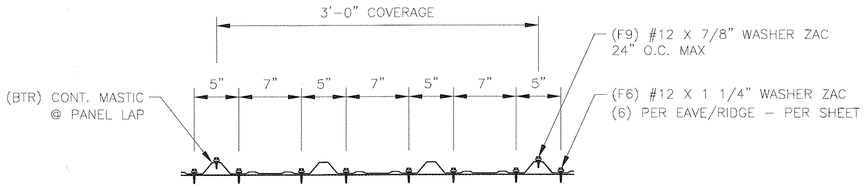
17 6" PURLIN LAP W/ ANGLE BRACE



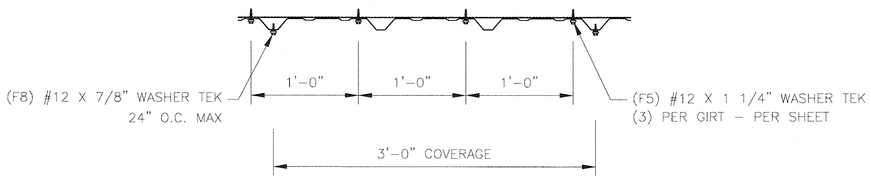
18 6" PURLIN LAP SECTION



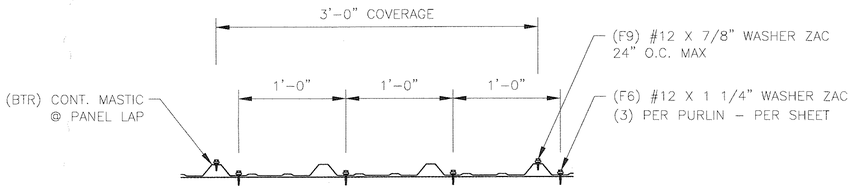
19 RAKE W/ ANGLE BRACE AT 6" PURLIN



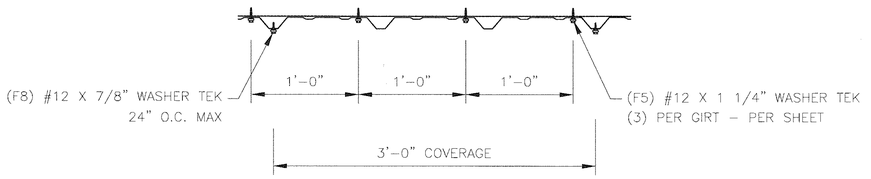
R-PANEL ROOF
EAVE AND RIDGE FASTENING



R-PANEL WALL
EAVE AND BASE FASTENING

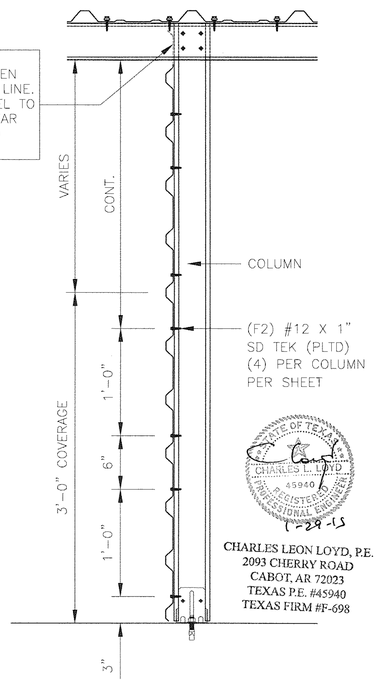


R-PANEL ROOF
PURLIN FASTENING



R-PANEL WALL
GIRT AND DOOR HEAD FASTENING

ERECTOR NOTE:
PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. NOTCH TOP PARTITION PANEL TO MATCH ROOF LINE AND CLEAR PURLIN LEG AS NEEDED TO CLOSE IN THE UNIT.



M-LOC PARTITION
SHEET FASTENING LAYOUT

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

DATE	BY	PRINTS ISSUED FOR
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STRUCTURAL NOTES

BUILDER / CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY.

METAL BUILDING STRUCTURE DESIGNED PER THE FOLLOWING LOADING:

CODE: IBC 2012
WIND: 115 MPH EXPOSURE B WINDLOAD
ROOF LOAD: 20 PSF ROOF LIVE LOAD
SEISMIC: N/A
SNOW LOAD: 30 PSF (MAX) GROUND SNOW LOAD

DESIGN LOADS DESIGNATED WITHIN CONTRACT AND DRAWINGS DO NOT ALLOW FOR ANY TYPE OF SUSPENDED SYSTEM (E.G. LIGHTS, INSULATION, DUCT WORK, PIPING, ETC.) SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.

DESIGN AND SPECIFICATION OF BASE STEEL TO CONCRETE SLAB ANCHORING IS NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR CONCRETE SLAB FOUNDATION DESIGN, THICKNESS, MATERIALS, SITE SOIL CONDITIONS OR OTHER CONCRETE/MASONRY CONSTRUCTION.

ALL STRUCTURAL CONNECTIONS ARE TO BE MADE PER FASTENING DETAILS PRESENTED HEREIN. ALL STEEL FRAMING AND SHEETING MATERIALS MUST BE INSTALLED TO VERTICAL PLUMB AND HORIZONTALLY LEVEL.

THE BUILDING MANUFACTURER AND THE PROFESSIONAL ENGINEER SEALING THESE DRAWINGS ARE NOT THE PROFESSIONAL ENGINEER OF RECORD FOR THE ENTIRE PROJECT. THE PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE STRUCTURAL DESIGN OF THE METAL BUILDING SYSTEM. IT DOES NOT APPLY TO THE FOUNDATION SYSTEM, MASONRY DESIGN OR ANY OTHER ASPECT OF THE PROJECT UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.

JOBSITE / FIELD CONDITIONS NOTES:

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS TO STRUCTURE NOT INDICATED AT THE TIME OF PURCHASE. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE DIRECTION OF REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.

ALL CONCRETE AND MASONRY CONSTRUCTION MUST BE FLAT, LEVEL AND SQUARE PER THE SLAB PLAN DIMENSIONS HEREIN.

ALL JOBSITE DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BEFORE ERECTION OF BUILDING STRUCTURE.

ALL OMISSIONS, CONFLICTS AND DISCREPANCIES SHALL BE REPORTED TO THE BUILDING MANUFACTURER BEFORE PROCEEDING WITH PROJECT WORK.

ALL TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING, WINDBRACES OR OTHER ELEMENTS REQUIRED FOR THE BUILDING ERECTION ARE TO BE DETERMINED BY AND SUPPLIED BY BUILDER/CONTRACTOR.

BUILDING MANUFACTURER HAS MADE A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. JOB SITE SAFETY INSTRUCTION, SAFETY EQUIPMENT AND CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

ALL COMPONENTS SHIPPED SHALL BE THOROUGHLY INSPECTED AND ACCOUNTED FOR AT THE TIME OF DELIVERY. ALL MATERIAL SHORTAGES OR DEFECTS MUST BE REPORTED WITHIN FIVE (5) WORKING DAYS OF MATERIAL DELIVERY TO THE BUILDING MANUFACTURER.

DIAPHRAGM ACTION OF THE METAL PANELS AT INTERIOR PARTITION WALLS IS UTILIZED FOR THE STABILITY OF THIS BUILDING. ANY MODIFICATION OR UNAUTHORIZED CUTTING OF INTERIOR PARTITION PANELS IS EXPRESSLY PROHIBITED BY THE BUILDING MANUFACTURER.

PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. THE TOP PARTITION PANEL CAN BE NOTCHED TO MATCH ROOF LINE AND CLEAR PURLIN LEG TO CLOSE IN THE UNIT AS DESIRED.

INSTALLATION NOTES:

FIELD CUTTING OF STRUCTURAL, SHEETING AND TRIMS FOR SPLICE AND FINAL FITTING OF COMPONENTS IS REQUIRED.

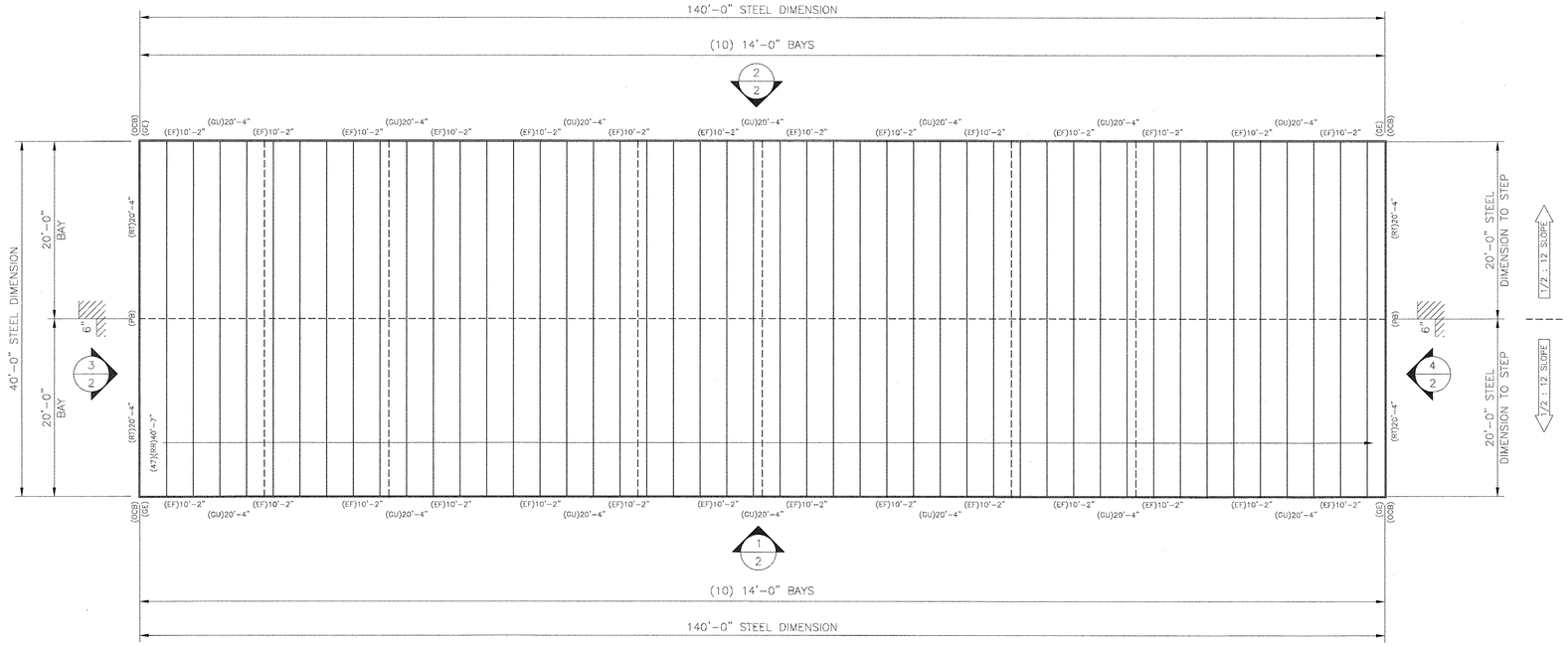
ALL ROOF PANEL LAPS SHALL BE SEALED WITH 3/8" (MINIMUM) WIDTH MASTIC TAPE AS PROVIDED FOR PROJECT. ALL SHEET PROFILE FOAM CLOSURES AT EAVE, WALL AND RIDGE CONDITIONS AS PROVIDED FOR PROJECT MUST BE INSTALLED AS SHOWN HEREIN.

WALL PANELS AND WALL TRIMS, AT INTERIOR AND EXTERIOR, ARE TO BE SET WITH 1/4" CLEARANCE ABOVE CONCRETE SURFACES AND AT ANY LOCATIONS WHICH MAY BE SUBJECTED TO CONTACT WITH STANDING WATER.

LAP ALL FLASHINGS 2" MINIMUM AND SEAL AS REQUIRED FOR WATER TIGHTNESS

ALLOW 1/4" TOLERANCE AT EACH END FOR PURLINS, HEADERS AND GIRTS.

DRAWING INDEX



KEY PLAN

scale – 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

ERECTOR NOTE:
A DETAILED INSTALLATION GUIDE IS AVAILABLE AND SHOULD BE CONSULTED DURING THE ERECTION OF THIS BUILDING PACKAGE. PLEASE CONTACT US IF YOU HAVE NOT RECEIVED A COPY OF THE INSTALLATION GUIDE AND ONE WILL BE PROVIDED TO YOU.

CLOSURE NOTE:
(94) INSIDE CLOSURES INCLUDED FOR LOW EAVE. INSTALL BTR TAPE ON TOP AND BOTTOM OF INSIDE CLOSURE (SEE DETAILS AND INSTALLATION GUIDE)
(28) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(14) OUTSIDE CLOSURES INCLUDED FOR RAKE.

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OC	ON CENTER
APPROX	APPROXIMATE	FDN	FOUNDATION	OD	OUTSIDE DIAMETER
BLDG	BUILDING	FF	FINISHED FLOOR	OH	OPPOSITE HAND
BLK	BLOCK	FOB	FACE OF BLOCK OR BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT OR FEET	RAD	RADIUS
BLKG	BLOCKING	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GWB	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	ID	INSIDE DIAMETER	STL	STEEL
DWG	DRAWING	INSUL	INSULATION	TOB	TOP OF BEAM
DIM	DIMENSION	INT	INTERIOR	TOC	TOP OF CONCRETE
DR	DOOR	INFO	INFORMATION	TOS	TOP OF STEEL
EA	EACH	JT	JOINT	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MAX	MAXIMUM	TS	TUBE STEEL
EJ	EXPANSION JOINT	MIN	MINIMUM	TYP	TYPICAL
EL	ELEVATION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	MTL	METAL	VAR	VARIES
EXP	EXPANSION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXT	EXTERIOR	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT
EOS	EDGE OF SLAB	OA	OVERALL		

STRUCTURE ABBREVIATIONS

(BA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)	– FLOOR BASE ANGLE
(BC)	U42516Z 4 1/8 X 2 7/8 X 16GA. CHANNEL (9.9)	– FLOOR BASE CHANNEL
(C4)	C4216R 4 X 2 X 16GA. CEE (8.9)	– 4" COLUMN
(C6)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– 6" COLUMN
(DH)	C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD
(DJ)	C43516R 4 X 3 1/2 X 16GA. CEE (11.9)	– DOOR JAMB
(EC)	U4216R 4 1/8 X 2 3/8 X 16GA. CHANNEL (8.9)	– EAVE CHANNEL
(ES)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– EAVE STRUT
(FC)	AS MANUFACTURED	– FLOOR CLIP
(G)	C4216R 4 X 2 X 16GA. CEE (8.9)	– GIRT
(HA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)	– HALL TOP ANGLE
(HR)	C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD REINFORCEMENT
(JR)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– JACK RAFTER
(M)	C12416R 12 X 4 X 16GA. CEE (20.9)	– MULLION
(MC)	B4216R 4 X 2 X 2" LONG 16GA. ANGLE (5.9)	– MINI CLIP
(P4)	Z42516R 2 1/2 X 4 X 2 1/2 X 16GA. ZEE (9.9)	– ROOF PURLIN
(P6)	Z62516R 2 1/2 X 6 X 2 1/2 X 16GA. ZEE (11.9)	– ROOF PURLIN
(P8)	Z82516R 2 1/2 X 8 X 2 1/2 X 16GA. ZEE (13.9)	– ROOF PURLIN
(PA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)	– PARTITION ANGLE
(RA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)	– RAKE ANGLE
(RS)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– RIDGE STRUT

SHEETING ABBREVIATIONS

(ML)	–	29GA. M-LOC WALL PANEL
(RL)	–	29GA. R-LOC WALL PANEL
(PL)	–	29GA. PANEL-LOC WALL PANEL
(RR)	–	26GA. PBR ROOF PANEL
(RW)	–	26GA. PBR WALL PANEL

FASTENER ABBREVIATIONS

(F1)	– 1/2" X 2 3/4" CONC. EXPANSION ANCHOR	– BASE TO SLAB CONNECTIONS
(F2)	– 12 X 1 SELF-DRILLING TEK (PLTD)	– STRUCTURAL STEEL CONNECTIONS
(F3)	– 12 X 1 SELF-DRILLING TEK (PLTD)	– PARTITION SHEETING
(F4)	– 12 X 2 SELF-DRILLING TEK (PLTD)	– PARTITION ANGLE CONNECTIONS
(F5)	– 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR WALL SHEETING
(F6)	– 12 X 1 1/4 WASHER ZAC (PTD)(PLTD)	– ROOF SHEETING
(F7)	– 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR TRIM DRILLER
(F8)	– 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR WALL PANEL LAP
(F9)	– 12 X 7/8 WASHER ZAC (PTD)(PLTD)	– ROOF PANEL LAP
(F10)	– 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR TRIM LAP
(F11)	– 1/8 POP RIVET	– EXTERIOR TRIM
(F12)	– 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR WALL SHEETING
(F13)	– 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR TRIM DRILLER
(F14)	– 12 X 7/8 WASHER TEK (PTD)	– INTERIOR WALL PANEL LAP
(F15)	– 12 X 7/8 WASHER TEK (PTD)(PLTD)	– INTERIOR TRIM LAP

TRIM ABBREVIATIONS

(BTR)	– 7/8" ROLL MASTIC	
(CLIN)	– R PANEL INSIDE FOAM CLOSURE	
(CLOUT)	– R PANEL OUTSIDE FOAM CLOSURE	
(GEOCEL)	– GUTTER SEAL	
(IN)	– R PANEL INSIDE CORNER TRIM	
(OU)	– R PANEL OUTSIDE CORNER TRIM	
(CM)	– DOOR CORNER MULLION TRIM	
(DK)	– DOWNSPOUT WITH KICK OUT	
(DSS)	– DOWNSPOUT STRAP	
(EF)	– EAVE FLASHING	
(FRC)	– FORMED RIDGE CAP	
(GE)	– GUTTER END CAP	
(GS)	– GUTTER HANGER STRAP	
(GU)	– GUTTER	
(HC)	– DOOR HEAD COVER TRIM	
(HE)	– DOOR HEAD TRIM	
(HI)	– HIGH EAVE TRIM	
(ICB)	– INSIDE CORNER BOX	
(JA)	– DOOR JAMB TRIM	
(JC)	– DOOR JAMB COVER TRIM	
(MC)	– DOOR MULLION COVER TRIM	
(OCB)	– OUTSIDE CORNER BOX	
(PB)	– PEAK BOX	
(REND)	– RAKE TRIM END CAP	
(RT)	– RAKE TRIM	
(SA)	– HALL TOP TRIM	
(TI)	– ROOF TIE IN TRIM	
(TR)	– ROOF STEP TRANSITION FLASHING	
(4SP)	– 4OZ. TOUCH UP SPRAY PAINT	

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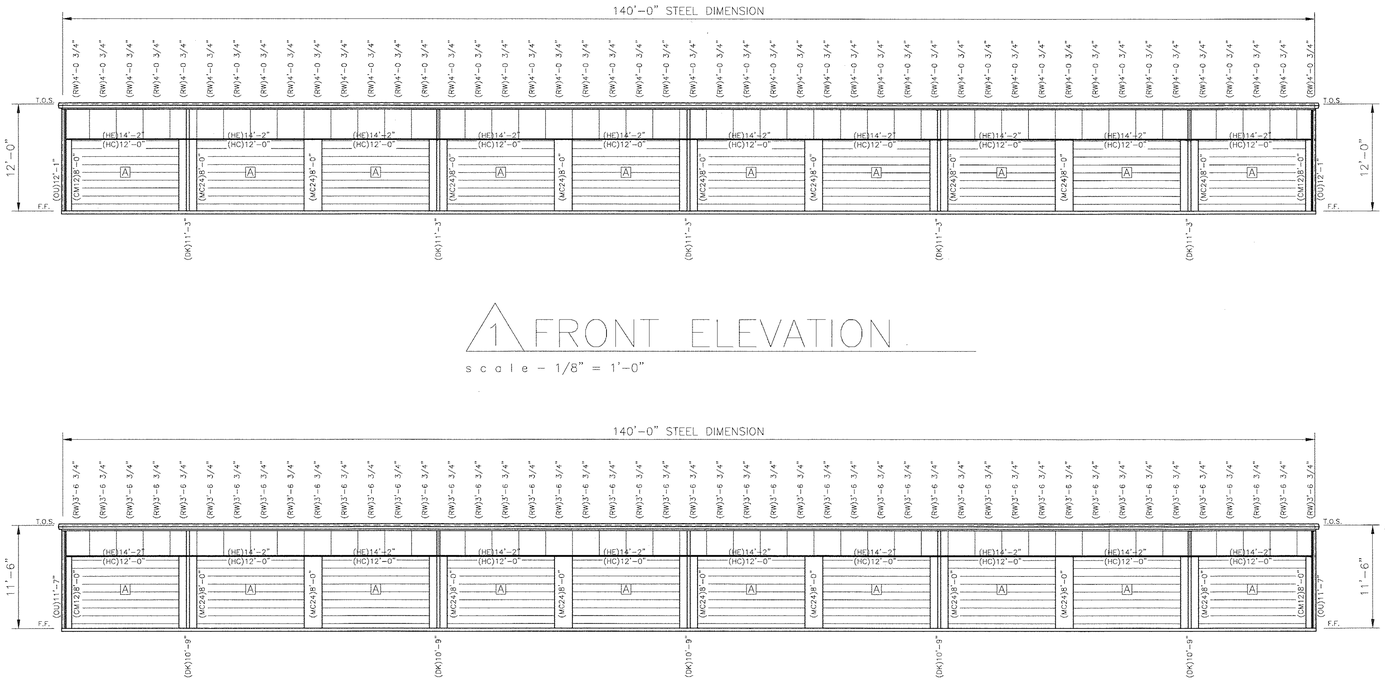
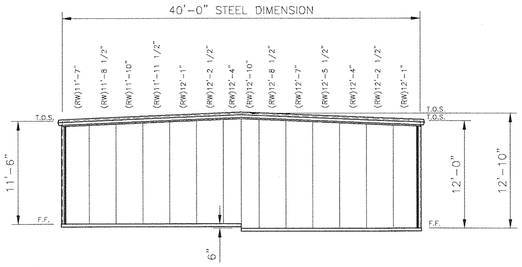


1 FRONT ELEVATION

scale - 1/8" = 1'-0"

2 REAR ELEVATION

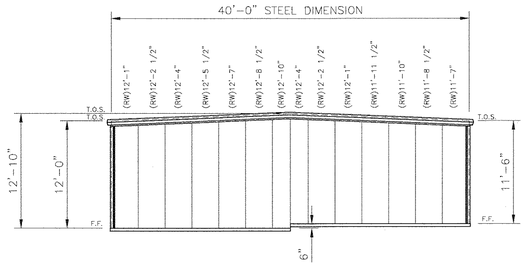
scale - 1/8" = 1'-0"



3 LEFT ELEVATION

scale - 1/8" = 1'-0"

DOOR SCHEDULE
A (20) EACH 12'-0" X 8'-0" ROLLUP DOOR



4 RIGHT ELEVATION

scale - 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

CONFIDENTIAL AND PROPRIETARY INFORMATION

THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF THE BUILDING MANUFACTURER SYSTEM, AND PRIVILEGED, AND CONFIDENTIAL INFORMATION CONTAINED IN THESE DRAWINGS MAY ONLY BE USED FOR ITS BENEFIT. THE DISCLOSURE OF THESE DRAWINGS TO UNAUTHORIZED PERSONS OR THE USE OF THESE DRAWINGS MAY NOT BE USED TO CONSTRUCT LIKE PROJECT'S WITHOUT WRITTEN PERMISSION FROM THE BUILDING MANUFACTURER. THIS LEGEND MUST BE ON ALL COPIES MUST BE RETURNED UPON DEMAND.

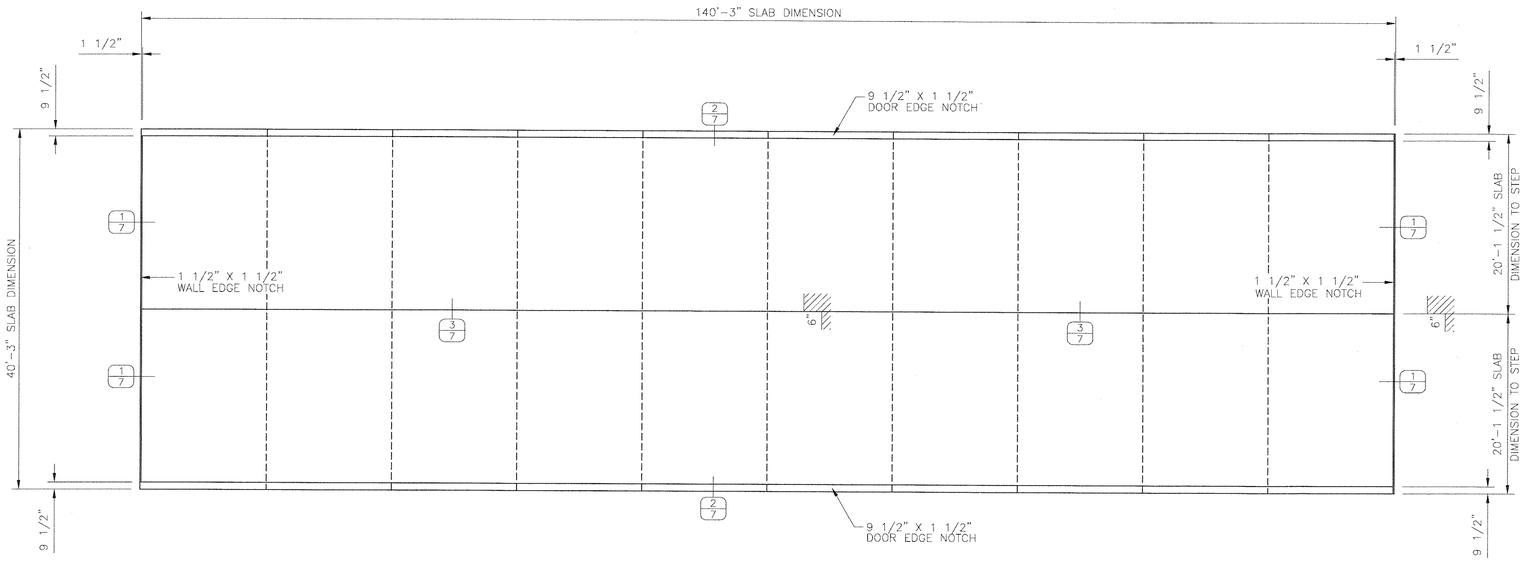
CONSTRUCTION PRINTS ISSUED FOR	CJT BY	01/19/15 DATE

BLDG. 2-6
40 x 140 x 12-0 HS
LOCATION:
Laredo, TX 78041

Austin Building Systems, Inc.
www.buildmetal.com
402 Jettings Drive Hollidaysburg PA 16648
Phone 888 399 6079 Fax 540 427 6880

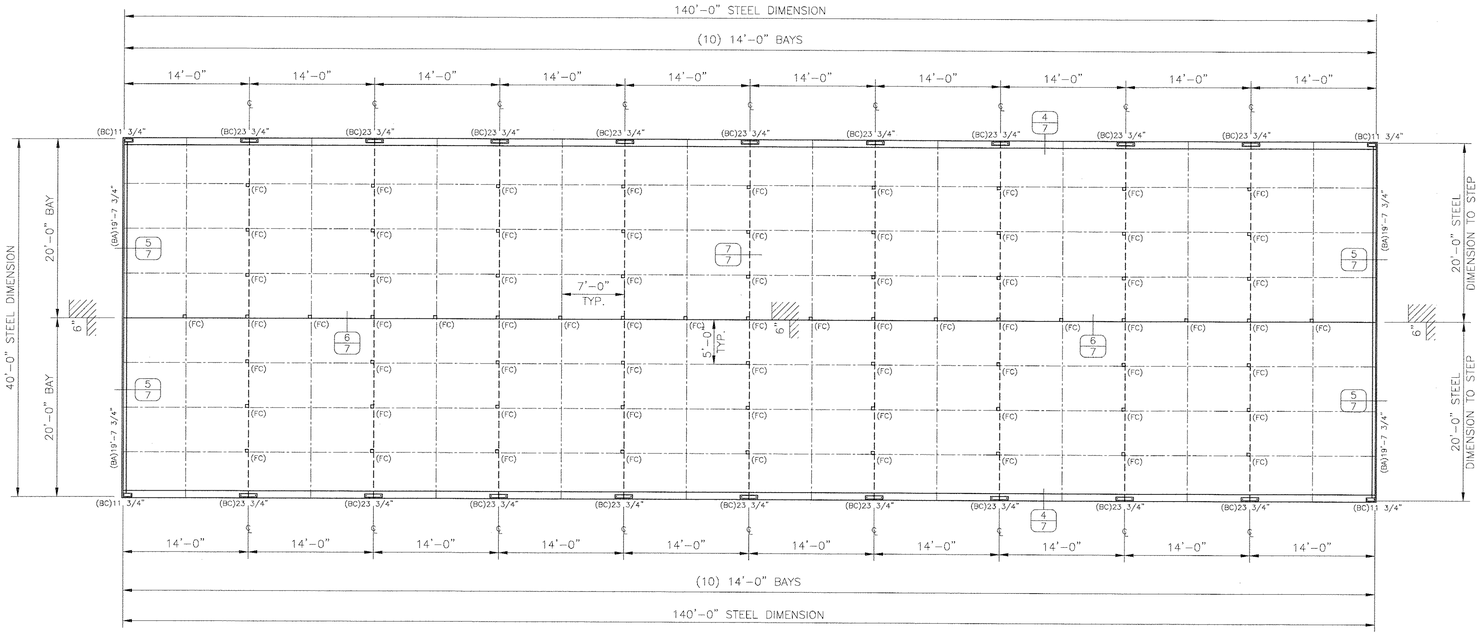
DWG #14-3223KCN

Sheet
2 of 9



SLAB PLAN

scale - 1/8" = 1'-0"



FLOOR PLAN

scale - 1/8" = 1'-0"

DATE	BY	ISSUED FOR
01/19/15	CJT	CONSTRUCTION
		PRINTS

BLDG. 2-6

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2093 CHERRY ROAD
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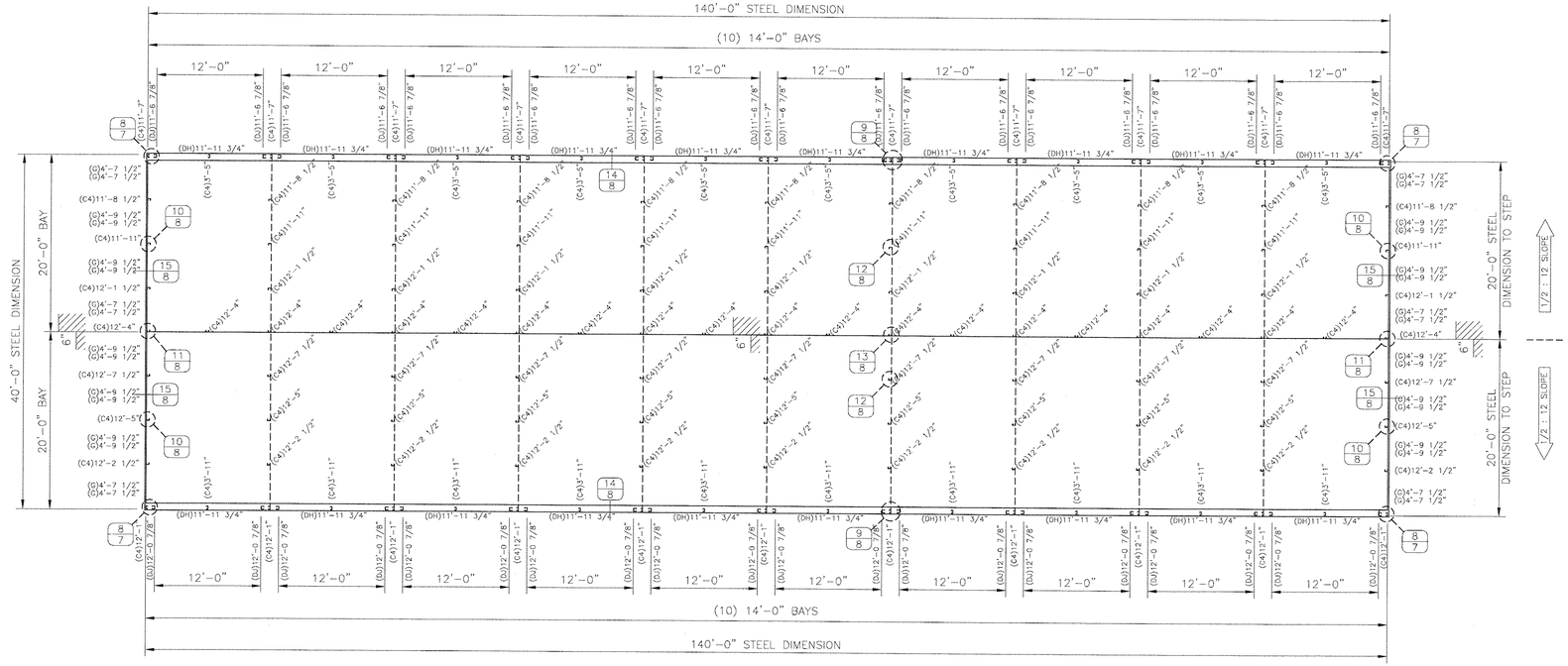
TEXAS P.E. #45940
TEXAS FIRM #F-698



FRAMING PLAN

scale - 1/8" = 1'-0"

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2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

CONSTRUCTION	CJT	01/19/15
PRINTS ISSUED FOR	BY	DATE

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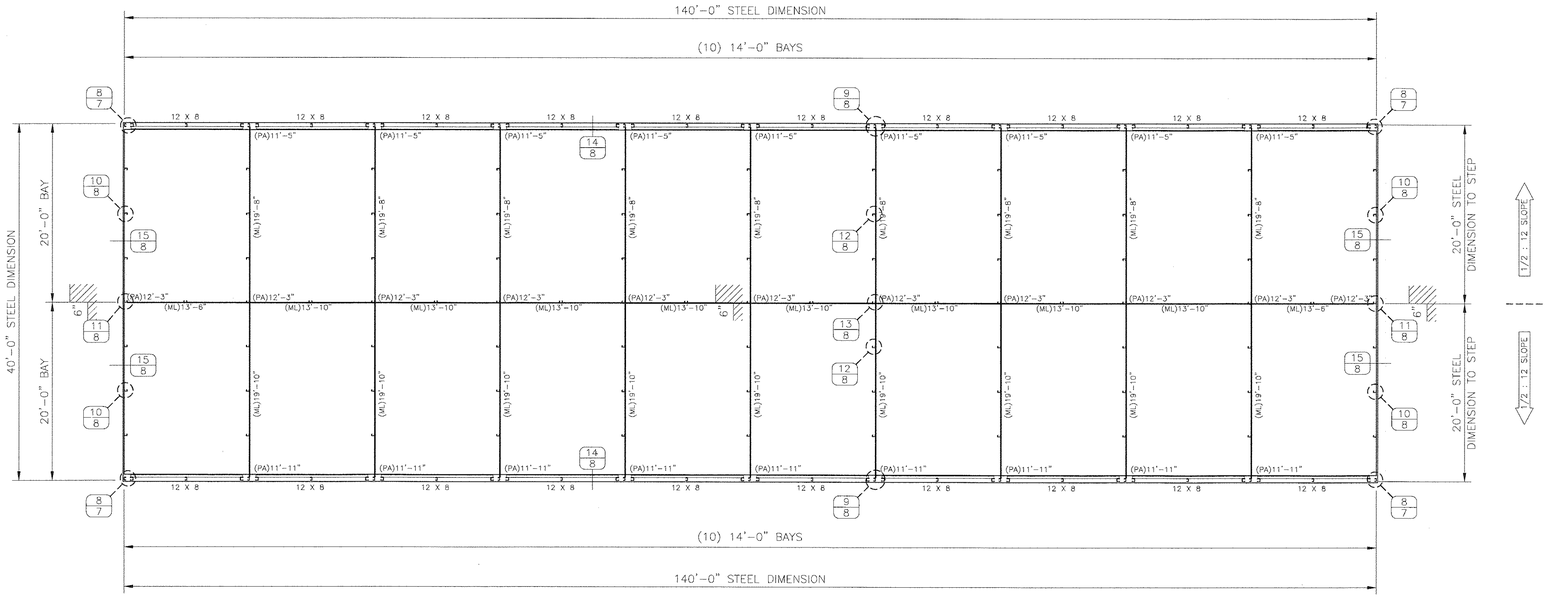

PARTITION PLAN

scale - 1/8" = 1'-0"

CONSTRUCTION PRINTS ISSUED FOR	CJT BY	01/19/15 DATE

BLDG. 2-6
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2093 CHERRY ROAD
CABOT, AR 72023
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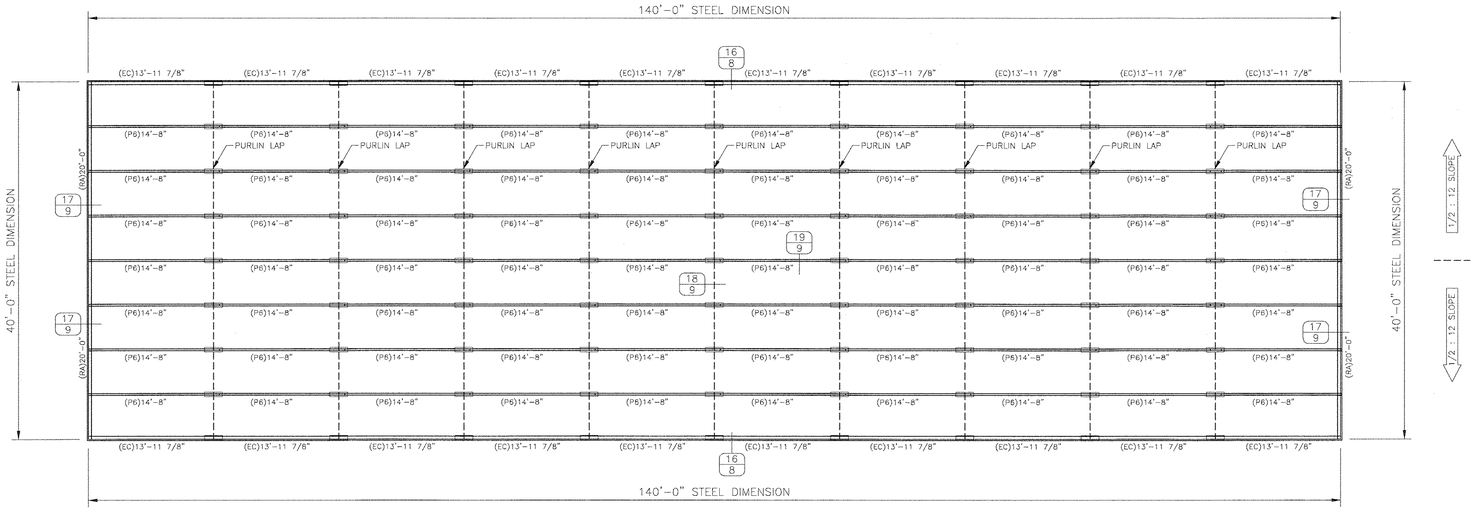
TEXAS FIRM #F-698



ROOF PLAN

scale - 1/8" = 1'-0"

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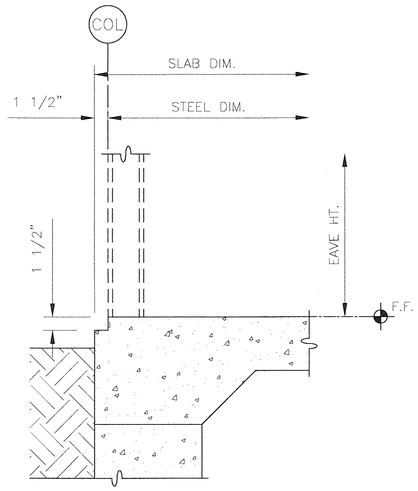
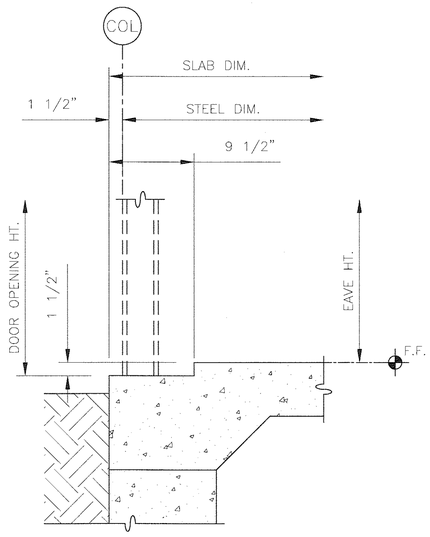
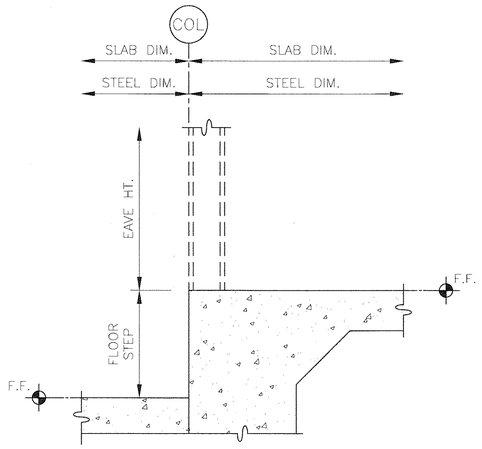


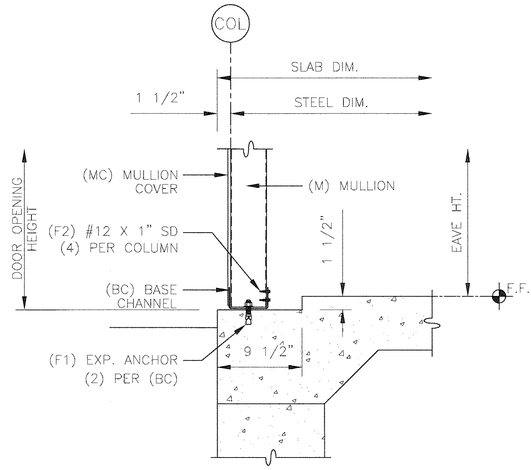
1 WALL EDGE SLAB NOTCH
1 1/2" X 1 1/2" NOTCH



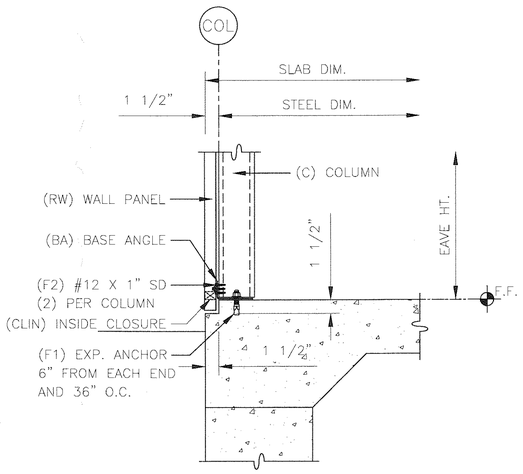
2 DOOR EDGE SLAB NOTCH
9 1/2" X 1 1/2" NOTCH



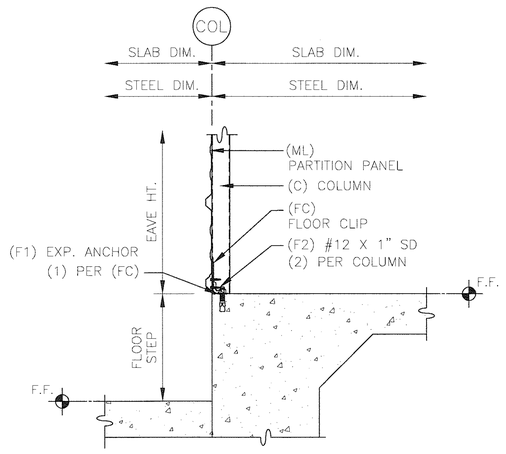
3 SLAB STEP



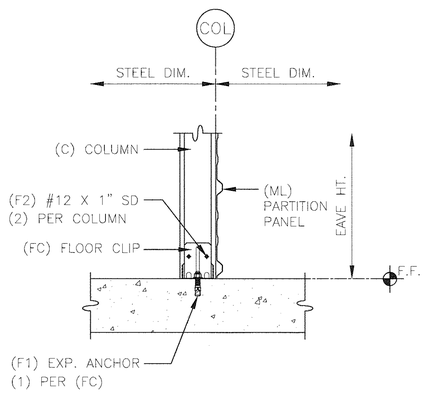
4 DOOR EDGE BASE



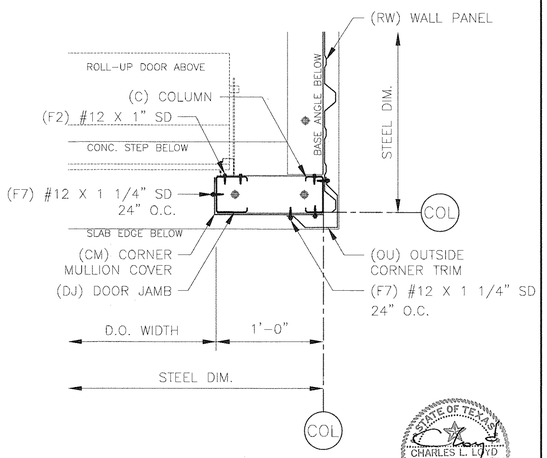
5 WALL EDGE BASE ANGLE



6 COLUMN FLOOR BASE ANGLE



7 COLUMN FLOOR BASE CLIP



8 DOOR JAMB – 12" CORNER

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

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	PRINTS ISSUED FOR	BY DATE

BLDG. 2-6
40 x 140 x 12-0 HS
LOCATION:
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www.buildmetal.com
401 Texas Road, Cibolo, TX 78108
Phone 888 999 0079 Fax 540 427 0880

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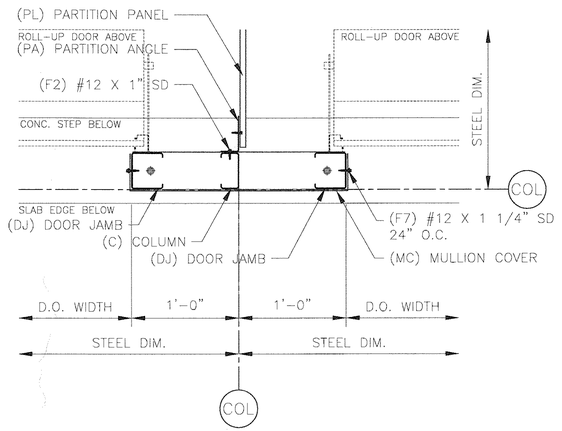
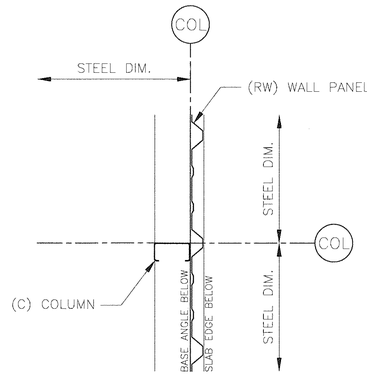
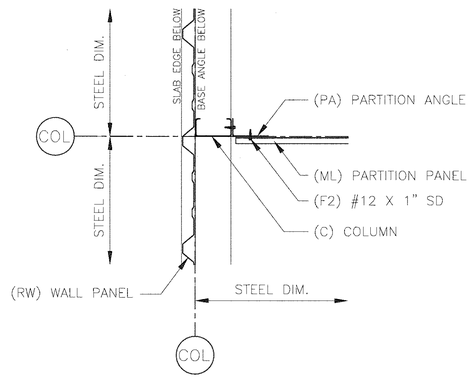


ERECTOR NOTE:
BASE CHANNEL IS 1/4" SHORTER THAN MULLION.
CENTER BASE CHANNEL ON CENTERLINE OF BAY.

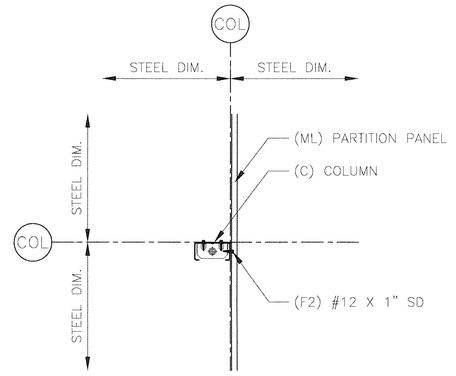
9 24" DOOR MULLION



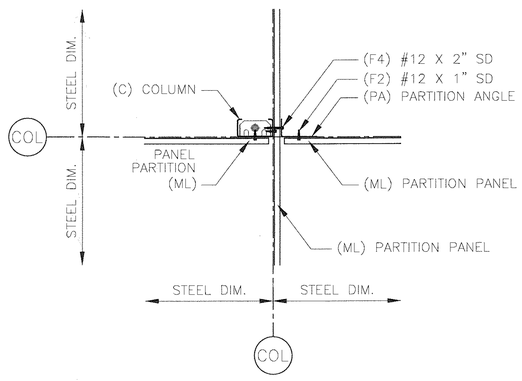
10 WALL



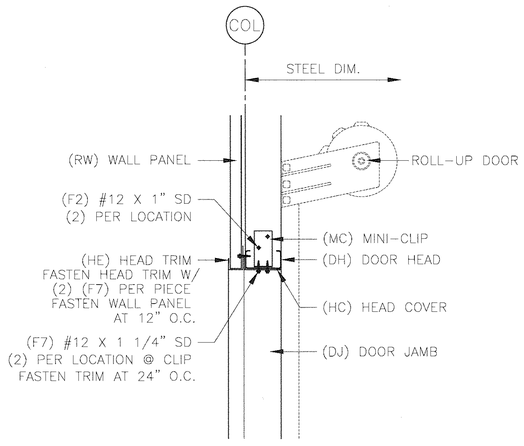
11 WALL WITH PARTITION



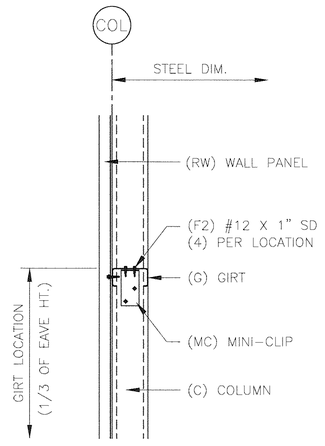
12 COLUMN CLIP



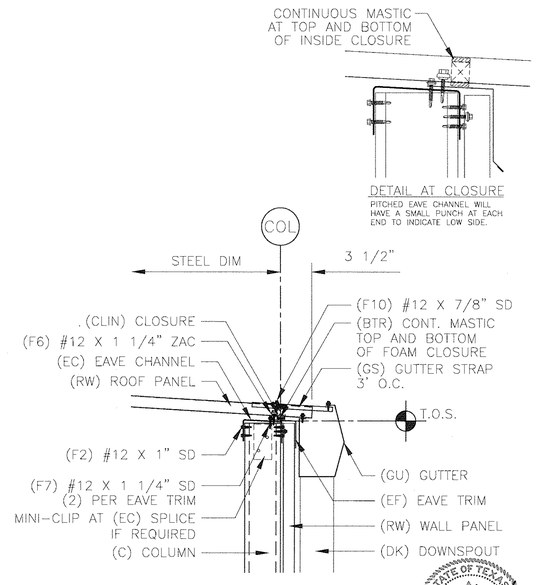
13 PARTITION CROSSING



14 DOOR HEAD



15 TYPICAL GIRT



16 LOW EAVE WITH GUTTER

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

CONSTRUCTION PRINTS ISSUED FOR	CJT	01/19/15
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BLDG. 2-6
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LOCATION:
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www.Buildmetal.com
402 Intrigo Drive Hutchinson KS 67504
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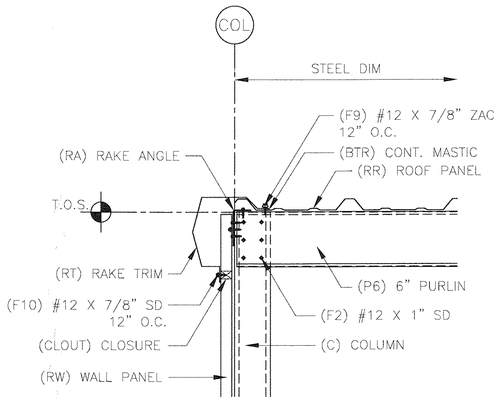
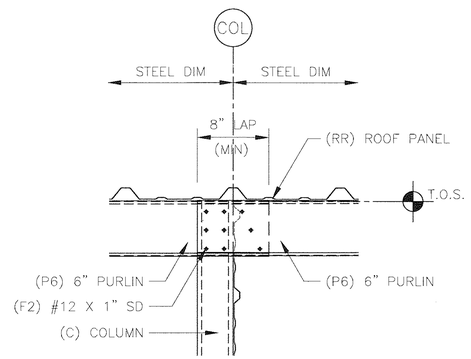
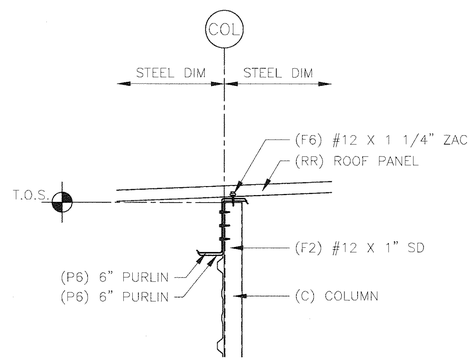
8 of 9



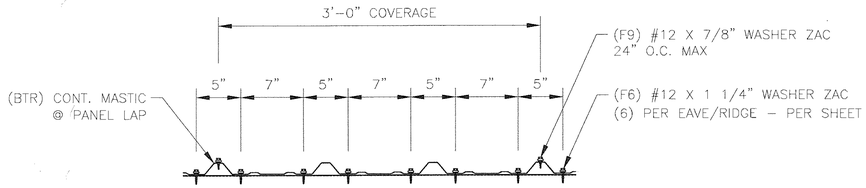
17 RAKE – 6" PURLIN



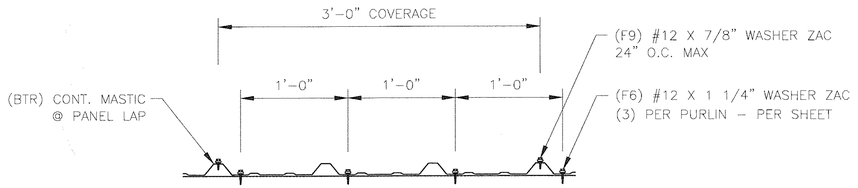
18 6" PURLIN LAP SIDE



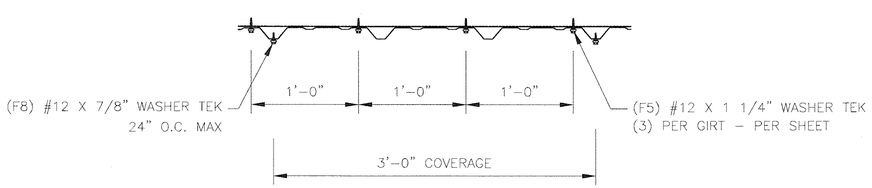
19 6" PURLIN LAP SECTION



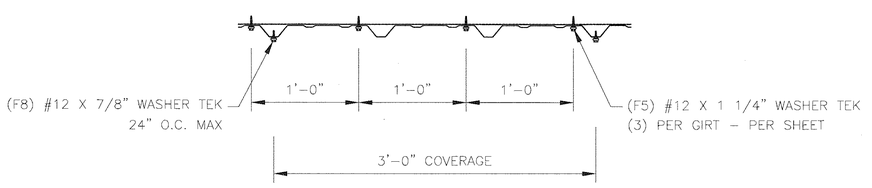
R–PANEL ROOF
EAVE AND RIDGE FASTENING



R–PANEL ROOF
PURLIN FASTENING

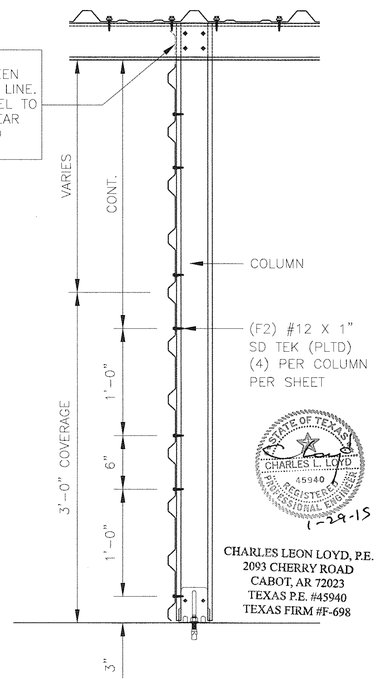


R–PANEL WALL
EAVE AND BASE FASTENING



R–PANEL WALL
GIRT AND DOOR HEAD FASTENING

ERECTOR NOTE:
PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. NOTCH TOP PARTITION PANEL TO MATCH ROOF LINE AND CLEAR PURLIN LEG AS NEEDED TO CLOSE IN THE UNIT.



M–LOC PARTITION
SHEET FASTENING LAYOUT

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

BY	DATE
CJT	01/19/15

CONSTRUCTION
PRINTS ISSUED FOR

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www.buildmetal.com
401 Thorpe Road Orlando, FL 32824
Phone: 888.399.6079 Fax 240.427.5880

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STRUCTURAL NOTES

BUILDER / CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY.

METAL BUILDING STRUCTURE DESIGNED PER THE FOLLOWING LOADING:

CODE: IBC 2012
WIND: 115 MPH EXPOSURE B WINDLOAD
ROOF LOAD: 20 PSF ROOF LIVE LOAD
SEISMIC: N/A
SNOW LOAD: 30 PSF (MAX) GROUND SNOW LOAD

DESIGN LOADS DESIGNATED WITHIN CONTRACT AND DRAWINGS DO NOT ALLOW FOR ANY TYPE OF SUSPENDED SYSTEM (E.G. LIGHTS, INSULATION, DUCT WORK, PIPING, ETC.) SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.

DESIGN AND SPECIFICATION OF BASE STEEL TO CONCRETE SLAB ANCHORING IS NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR CONCRETE SLAB FOUNDATION DESIGN, THICKNESS, MATERIALS, SITE SOIL CONDITIONS OR OTHER CONCRETE/MASONRY CONSTRUCTION.

ALL STRUCTURAL CONNECTIONS ARE TO BE MADE PER FASTENING DETAILS PRESENTED HEREIN. ALL STEEL FRAMING AND SHEETING MATERIALS MUST BE INSTALLED TO VERTICAL PLUMB AND HORIZONTALLY LEVEL.

THE BUILDING MANUFACTURER AND THE PROFESSIONAL ENGINEER SEALING THESE DRAWINGS ARE NOT THE PROFESSIONAL ENGINEER OF RECORD FOR THE ENTIRE PROJECT. THE PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE STRUCTURAL DESIGN OF THE METAL BUILDING SYSTEM. IT DOES NOT APPLY TO THE FOUNDATION SYSTEM, MASONRY DESIGN OR ANY OTHER ASPECT OF THE PROJECT UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.

JOBSITE / FIELD CONDITIONS NOTES:

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS TO STRUCTURE NOT INDICATED AT THE TIME OF PURCHASE. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE DIRECTION OF REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.

ALL CONCRETE AND MASONRY CONSTRUCTION MUST BE FLAT, LEVEL AND SQUARE PER THE SLAB PLAN DIMENSIONS HEREIN.

ALL JOBSITE DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BEFORE ERECTION OF BUILDING STRUCTURE.

ALL OMISSIONS, CONFLICTS AND DISCREPANCIES SHALL BE REPORTED TO THE BUILDING MANUFACTURER BEFORE PROCEEDING WITH PROJECT WORK.

ALL TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING, WINDBRACES OR OTHER ELEMENTS REQUIRED FOR THE BUILDING ERECTION ARE TO BE DETERMINED BY AND SUPPLIED BY BUILDER/CONTRACTOR.

BUILDING MANUFACTURER HAS MADE A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. JOB SITE SAFETY INSTRUCTION, SAFETY EQUIPMENT AND CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

ALL COMPONENTS SHIPPED SHALL BE THOROUGHLY INSPECTED AND ACCOUNTED FOR AT THE TIME OF DELIVERY. ALL MATERIAL SHORTAGES OR DEFECTS MUST BE REPORTED WITHIN FIVE (5) WORKING DAYS OF MATERIAL DELIVERY TO THE BUILDING MANUFACTURER.

DIAPHRAGM ACTION OF THE METAL PANELS AT INTERIOR PARTITION WALLS IS UTILIZED FOR THE STABILITY OF THIS BUILDING. ANY MODIFICATION OR UNAUTHORIZED CUTTING OF INTERIOR PARTITION PANELS IS EXPRESSLY PROHIBITED BY THE BUILDING MANUFACTURER.

PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. THE TOP PARTITION PANEL CAN BE NOTCHED TO MATCH ROOF LINE AND CLEAR PURLIN LEG TO CLOSE IN THE UNIT AS DESIRED.

INSTALLATION NOTES:

FIELD CUTTING OF STRUCTURAL, SHEETING AND TRIMS FOR SPLICE AND FINAL FITTING OF COMPONENTS IS REQUIRED.

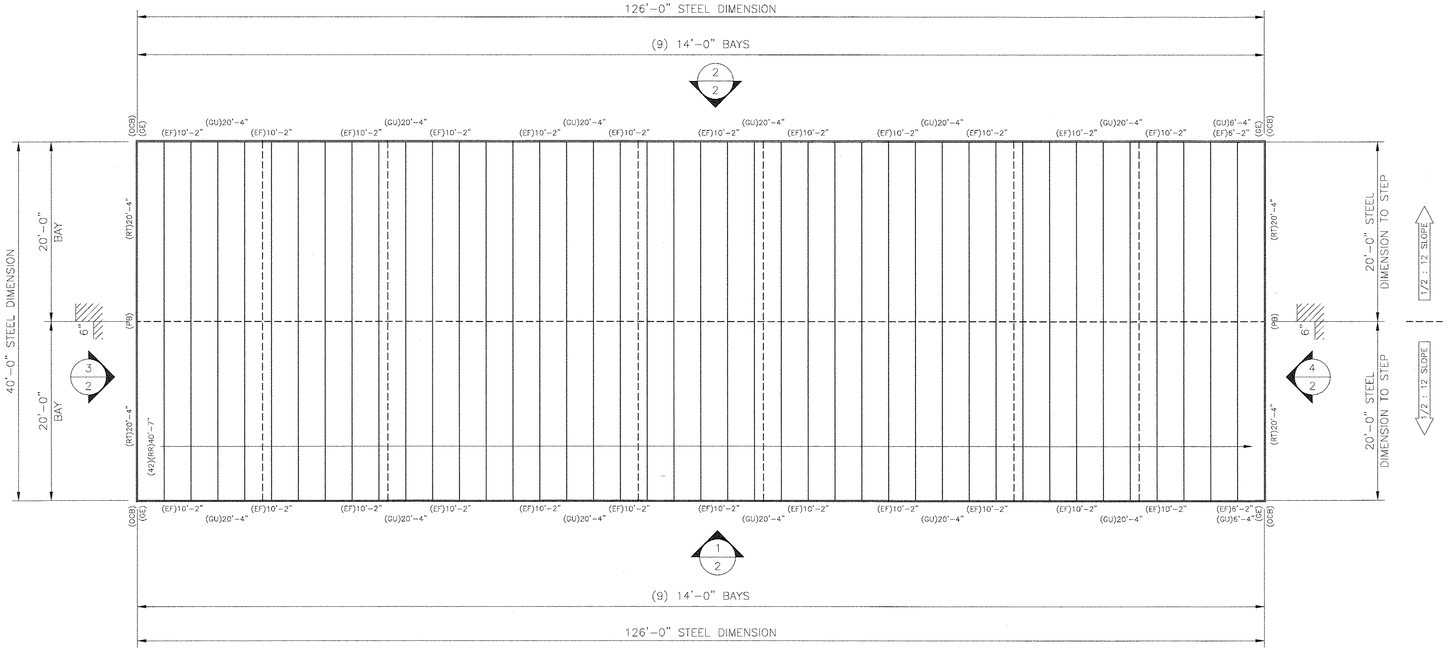
ALL ROOF PANEL LAPS SHALL BE SEALED WITH 3/8" (MINIMUM) WIDTH MASTIC TAPE AS PROVIDED FOR PROJECT. ALL SHEET PROFILE FOAM CLOSURES AT EAVE, WALL AND RIDGE CONDITIONS AS PROVIDED FOR PROJECT MUST BE INSTALLED AS SHOWN HEREIN.

WALL PANELS AND WALL TRIMS, AT INTERIOR AND EXTERIOR, ARE TO BE SET WITH 1/4" CLEARANCE ABOVE CONCRETE SURFACES AND AT ANY LOCATIONS WHICH MAY BE SUBJECTED TO CONTACT WITH STANDING WATER.

LAP ALL FLASHINGS 2" MINIMUM AND SEAL AS REQUIRED FOR WATER TIGHTNESS

ALLOW 1/4" TOLERANCE AT EACH END FOR PURLINS, HEADERS AND GIRTS.

DRAWING INDEX



KEY PLAN

scale - 1/8" = 1'-0"

ERECTOR NOTE:
A DETAILED INSTALLATION GUIDE IS AVAILABLE AND SHOULD BE CONSULTED DURING THE ERECTION OF THIS BUILDING PACKAGE. PLEASE CONTACT US IF YOU HAVE NOT RECEIVED A COPY OF THE INSTALLATION GUIDE AND ONE WILL BE PROVIDED TO YOU.

CLOSURE NOTE:
(#4) INSIDE CLOSURES INCLUDED FOR LOW EAVE. INSTALL BTR TAPE ON TOP AND BOTTOM OF INSIDE CLOSURE (SEE DETAILS AND INSTALLATION GUIDE)
(38) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(14) OUTSIDE CLOSURES INCLUDED FOR RAKE.

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OC	ON CENTER
APPROX	APPROXIMATE	FDN	FOUNDATION	OD	OUTSIDE DIAMETER
BLDG	BUILDING	FF	FINISHED FLOOR	OH	OPPOSITE HAND
BLK	BLOCK	FOB	FACE OF BLOCK OR BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT OR FEET	RAD	RADIUS
BLKG	BLOCKING	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GWB	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	ID	INSIDE DIAMETER	STL	STEEL
DWG	DRAWING	INSUL	INSULATION	TOB	TOP OF BEAM
DIM	DIMENSION	INT	INTERIOR	TOC	TOP OF CONCRETE
DR	DOOR	INFO	INFORMATION	TOS	TOP OF STEEL
EA	EACH	JT	JOINT	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MAX	MAXIMUM	TS	TUBE STEEL
EJ	EXPANSION JOINT	MIN	MINIMUM	TYP	TYPICAL
EL	ELEVATION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	MTL	METAL	VAR	VARIES
EXP	EXPANSION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXT	EXTERIOR	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT
EOS	EDGE OF SLAB	OA	OVERALL		

STRUCTURE ABBREVIATIONS

(BA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(BC)	U42516Z 4 1/8 X 2 7/8 X 16GA. CHANNEL (9.9)
(C4)	C4216R 4 X 2 X 16GA. CEE (8.9)
(C6)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)
(DH)	C4216R 4 X 2 X 16GA. CEE (8.9)
(DJ)	C43516R 4 X 3 1/2 X 16GA. CEE (11.9)
(EC)	U4216R 4 1/8 X 2 3/8 X 16GA. CHANNEL (8.9)
(ES)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)
(FC)	AS MANUFACTURED
(G)	C4216R 4 X 2 X 16GA. CEE (8.9)
(HA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(HR)	C4216R 4 X 2 X 16GA. CEE (8.9)
(JR)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)
(M)	C12416R 12 X 4 X 16GA. CEE (20.9)
(MC)	B4216R 4 X 2 X 2" LONG 16GA. ANGLE (5.9)
(P4)	Z42516R 2 1/2 X 4 X 2 1/2 X 16GA. ZEE (9.9)
(P6)	Z62516R 2 1/2 X 6 X 2 1/2 X 16GA. ZEE (11.9)
(P8)	Z82516R 2 1/2 X 8 X 2 1/2 X 16GA. ZEE (13.9)
(PA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(RA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(RS)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)

- FLOOR BASE ANGLE
- FLOOR BASE CHANNEL
- 4" COLUMN
- 6" COLUMN
- DOOR HEAD
- DOOR JAMB
- EAVE CHANNEL
- EAVE STRUT
- FLOOR CLIP
- GIRT
- HALL TOP ANGLE
- DOOR HEAD REINFORCEMENT
- JACK RAFTER
- MULLION
- MINI CLIP
- ROOF PURLIN
- ROOF PURLIN
- ROOF PURLIN
- PARTITION ANGLE
- RAKE ANGLE
- RIDGE STRUT

SHEETING ABBREVIATIONS

(ML)	29GA. M-LOC WALL PANEL
(RL)	29GA. R-LOC WALL PANEL
(PL)	29GA. PANEL-LOC WALL PANEL
(RR)	26GA. PBR ROOF PANEL
(RW)	26GA. PBR WALL PANEL

FASTENER ABBREVIATIONS

(F1)	1/2" X 2 3/4" CONC. EXPANSION ANCHOR - BASE TO SLAB CONNECTIONS
(F2)	12 X 1 SELF-DRILLING TEK (PLTD) - STRUCTURAL STEEL CONNECTIONS
(F3)	12 X 1 SELF-DRILLING TEK (PLTD) - PARTITION SHEETING
(F4)	12 X 2 SELF-DRILLING TEK (PLTD) - PARTITION ANGLE CONNECTIONS
(F5)	12 X 1 1/4 WASHER TEK (PTD) - EXTERIOR WALL SHEETING
(F6)	12 X 1 1/4 WASHER ZAC (PTD)(PLTD) - ROOF SHEETING
(F7)	12 X 1 1/4 WASHER TEK (PTD) - EXTERIOR TRIM DRILLER
(F8)	12 X 7/8 WASHER TEK (PTD) - EXTERIOR WALL PANEL LAP
(F9)	12 X 7/8 WASHER ZAC (PTD)(PLTD) - ROOF PANEL LAP
(F10)	12 X 7/8 WASHER TEK (PTD) - EXTERIOR TRIM LAP
(F11)	1/8 POP RIVET - EXTERIOR TRIM
(F12)	12 X 1 1/4 WASHER TEK (PTD) - INTERIOR WALL SHEETING
(F13)	12 X 1 1/4 WASHER TEK (PTD) - INTERIOR TRIM DRILLER
(F14)	12 X 7/8 WASHER TEK (PTD) - INTERIOR WALL PANEL LAP
(F15)	12 X 7/8 WASHER TEK (PTD)(PLTD) - INTERIOR TRIM LAP

TRIM ABBREVIATIONS

(BTR)	7/8" ROLL MASTIC
(CLIN)	R PANEL INSIDE FOAM CLOSURE
(CLOUT)	R PANEL OUTSIDE FOAM CLOSURE
(GEOCEL)	GUTTER SEAL
(IN)	R PANEL INSIDE CORNER TRIM
(OU)	R PANEL OUTSIDE CORNER TRIM
(CM)	DOOR CORNER MULLION TRIM
(DK)	DOWNSPOUT WITH KICK OUT
(DSS)	DOWNSPOUT STRAP
(EF)	EAVE FLASHING
(FRC)	FORMED RIDGE CAP
(GE)	GUTTER END CAP
(GS)	GUTTER HANGER STRAP
(GU)	GUTTER
(HC)	DOOR HEAD COVER TRIM
(HE)	DOOR HEAD TRIM
(HI)	HIGH EAVE TRIM
(ICB)	INSIDE CORNER BOX
(JA)	DOOR JAMB TRIM
(JC)	DOOR JAMB COVER TRIM
(MC)	DOOR MULLION COVER TRIM
(OCB)	OUTSIDE CORNER BOX
(PB)	PEAK BOX
(REND)	RAKE TRIM END CAP
(RT)	RAKE TRIM
(SA)	HALL TOP TRIM
(TI)	ROOF TIE IN TRIM
(TR)	ROOF STEP TRANSITION FLASHING
(4SP)	4OZ. TOUCH UP SPRAY PAINT

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

	CONSTRUCTION	CJT 01/19/15
	PRINTS ISSUED FOR	BY DATE

BLDG. 7 & 8
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Phone 888.399.0079 Fax 540.427.6880

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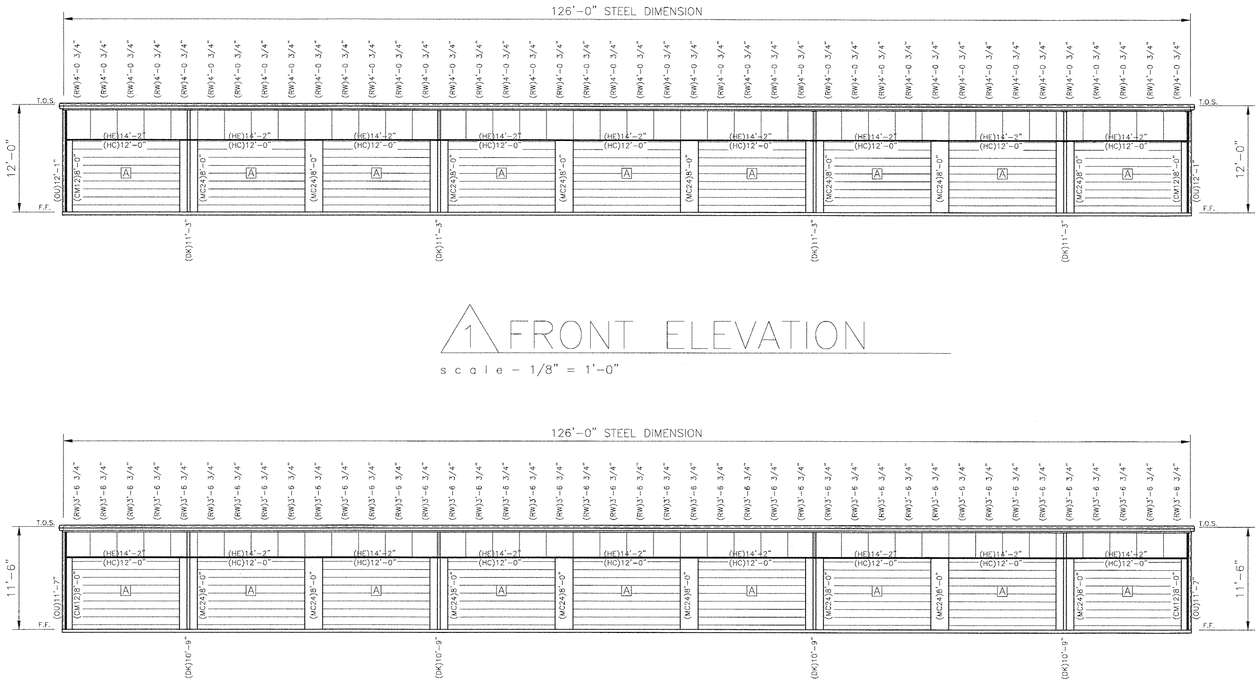
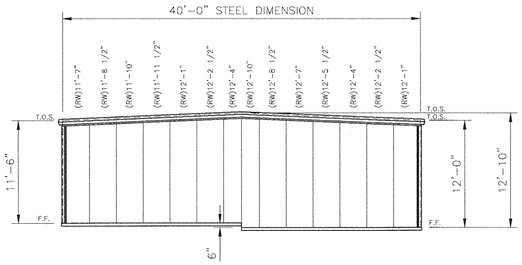


1 FRONT ELEVATION

scale - 1/8" = 1'-0"

2 REAR ELEVATION

scale - 1/8" = 1'-0"

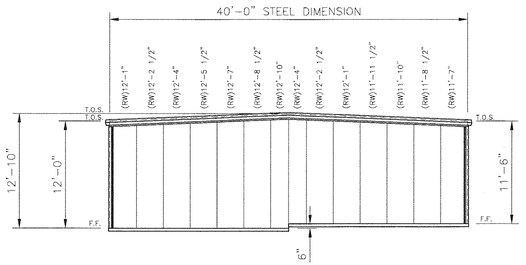


3 LEFT ELEVATION

scale - 1/8" = 1'-0"

DOOR SCHEDULE

[A] (18) EACH 12'-0" X 8'-0" ROLLUP DOOR



4 RIGHT ELEVATION

scale - 1/8" = 1'-0"

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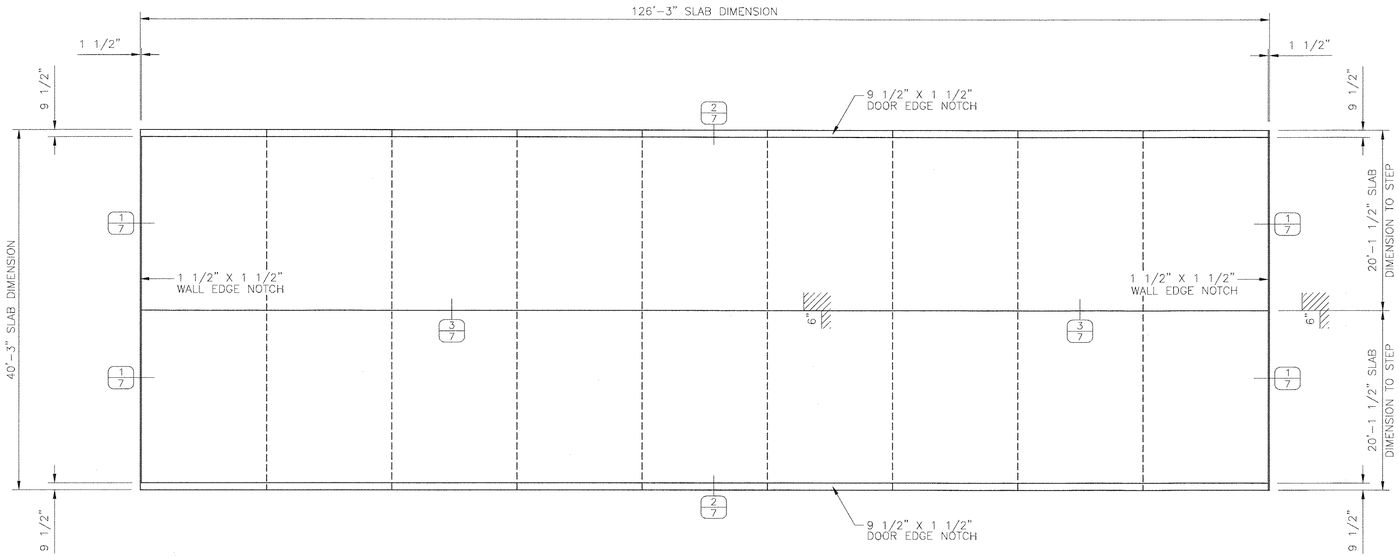
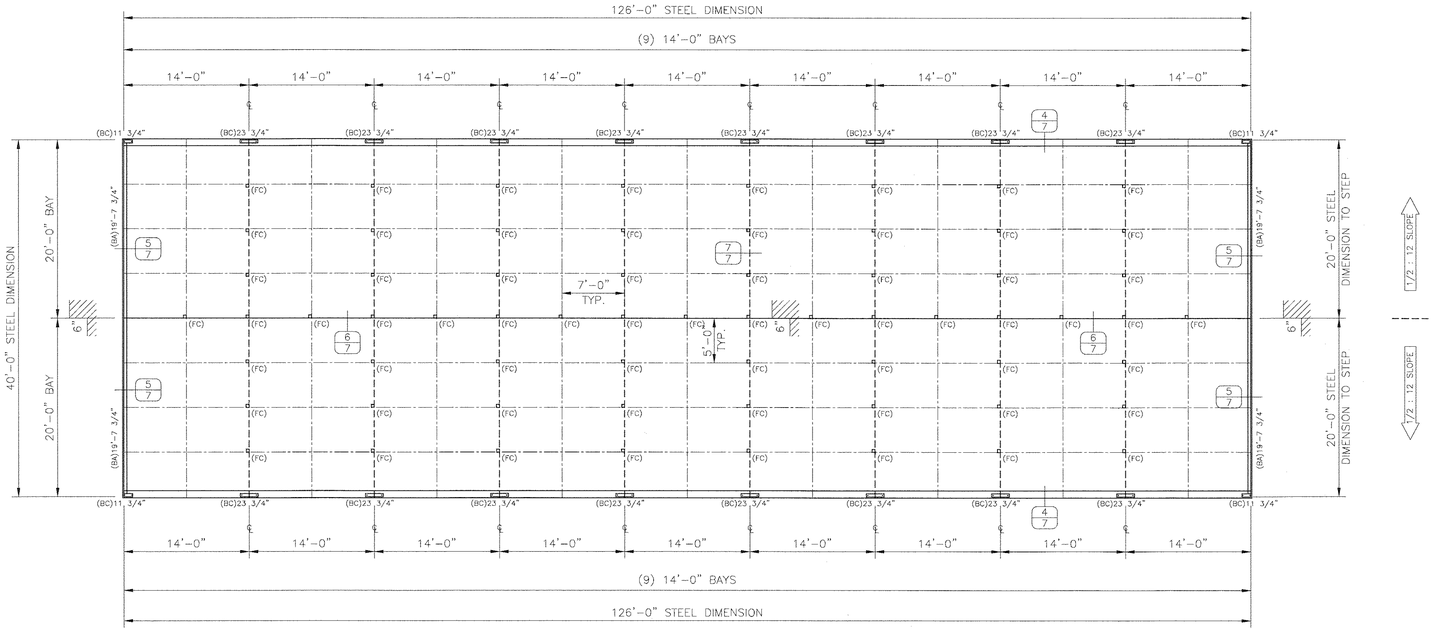


SLAB PLAN

scale - 1/8" = 1'-0"



FLOOR PLAN

scale - 1/8" = 1'-0"

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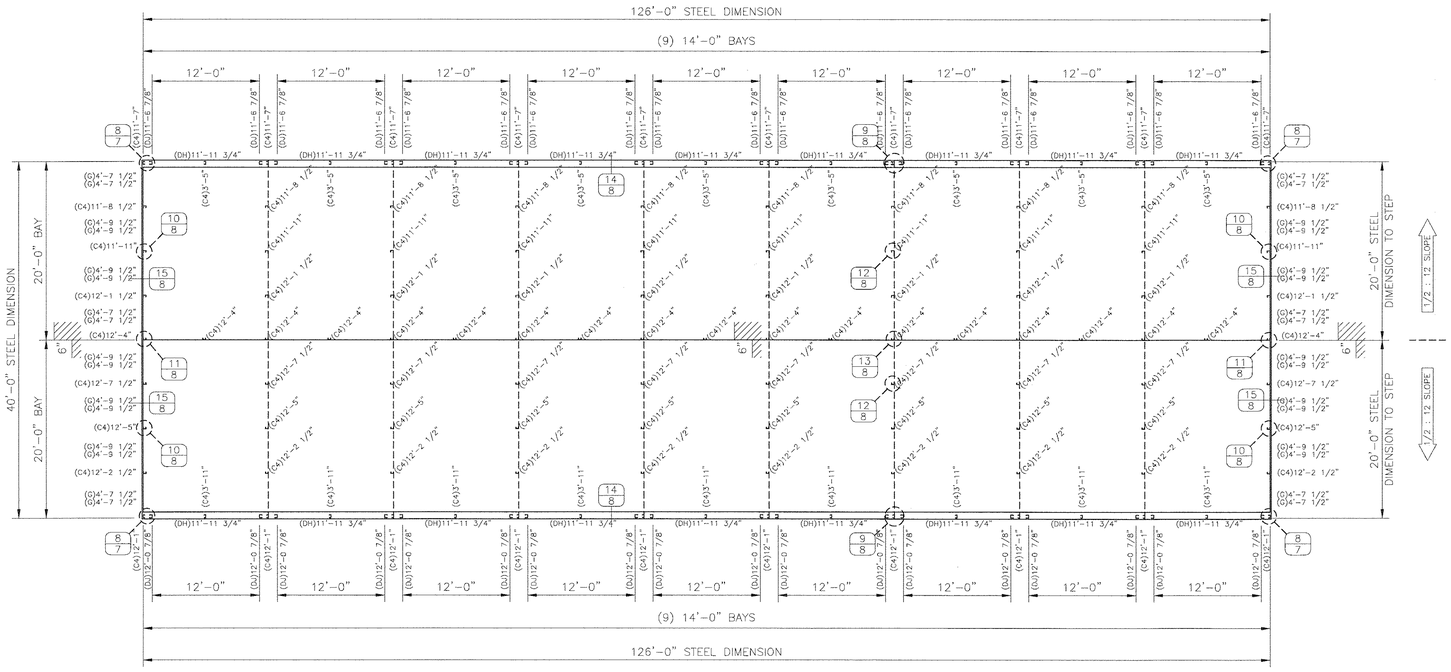

FRAMING PLAN

scale - 1/8" = 1'-0"

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STATE OF TEXAS
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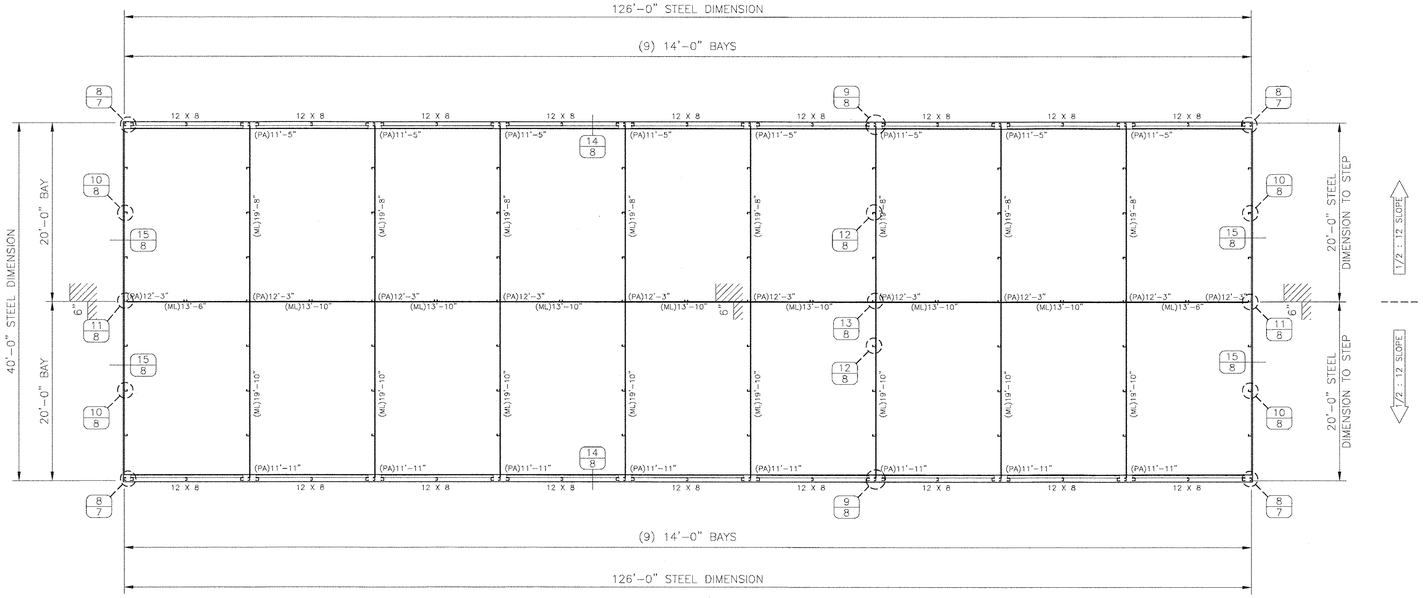

PARTITION PLAN

scale - 1/8" = 1'-0"

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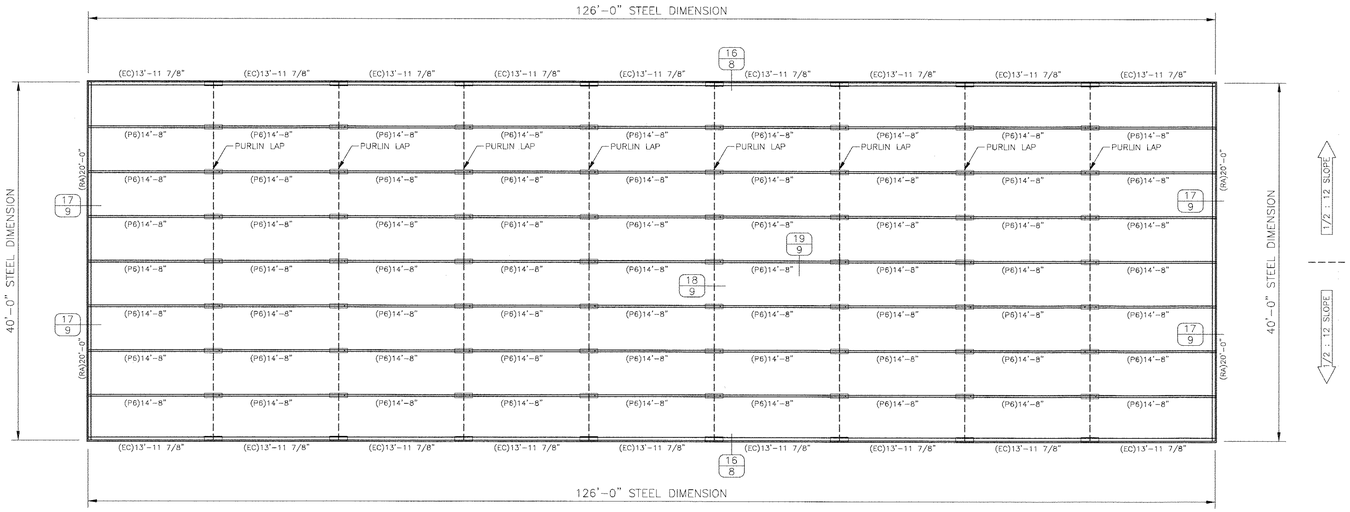

ROOF PLAN

scale - 1/8" = 1'-0"

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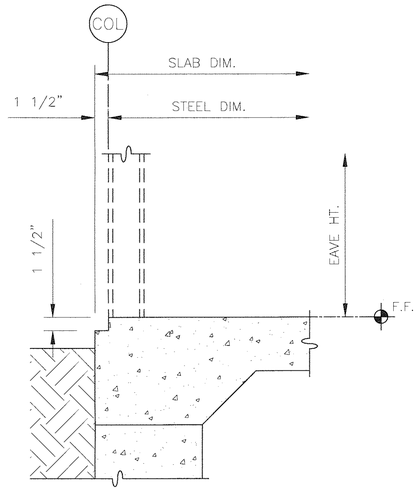
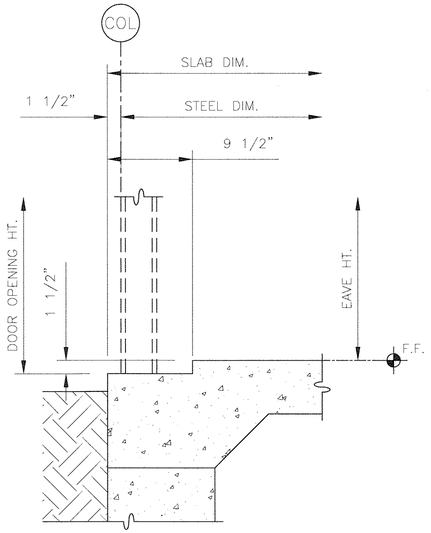
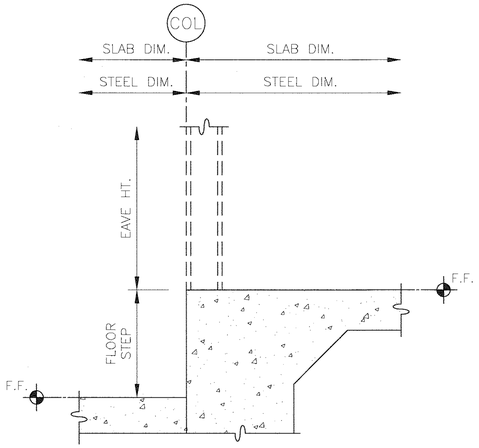


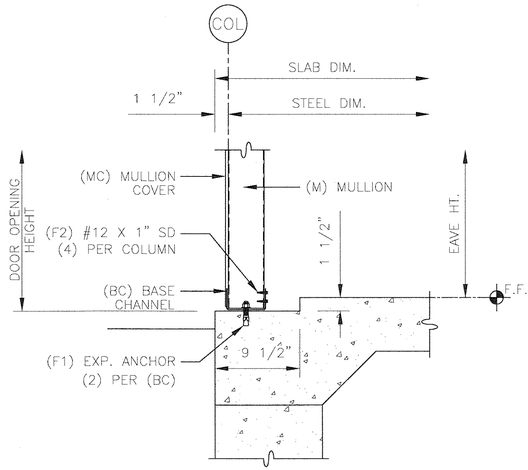
1 WALL EDGE SLAB NOTCH
1 1/2" X 1 1/2" NOTCH



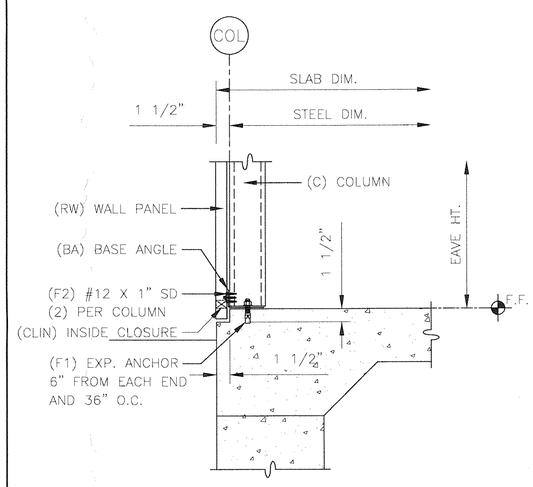
2 DOOR EDGE SLAB NOTCH
9 1/2" X 1 1/2" NOTCH



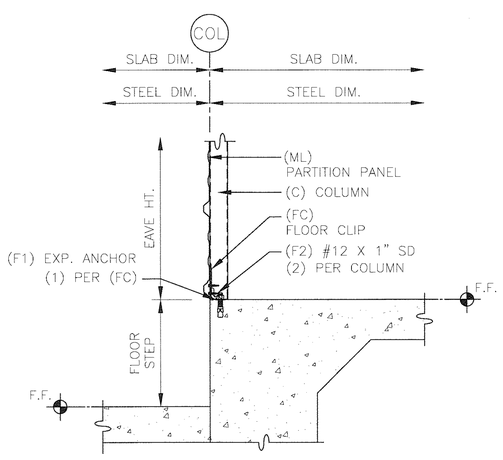
3 SLAB STEP



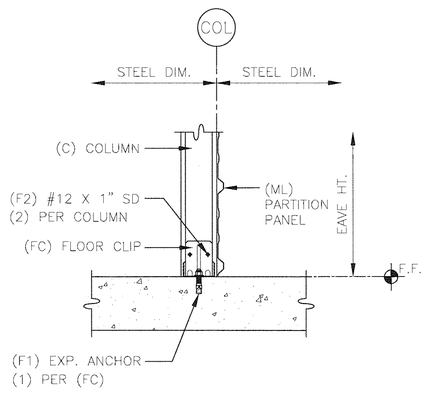
4 DOOR EDGE BASE



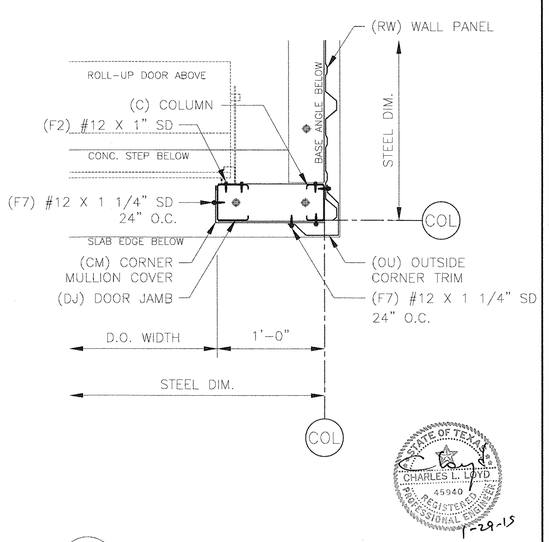
5 WALL EDGE BASE ANGLE



6 COLUMN FLOOR BASE ANGLE



7 COLUMN FLOOR BASE CLIP



8 DOOR JAMB – 12" CORNER

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2093 CHERRY ROAD
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TEXAS FIRM #F-698

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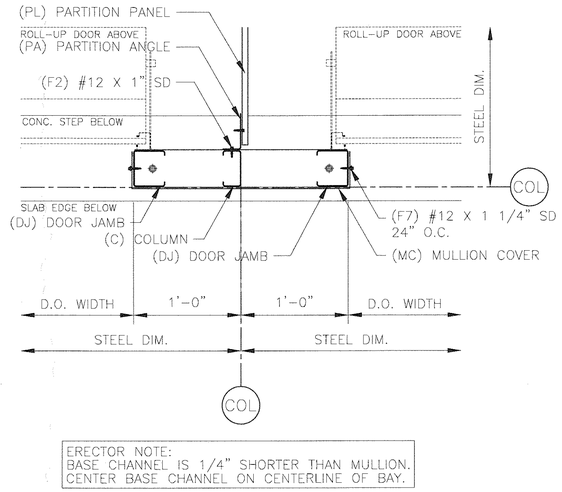
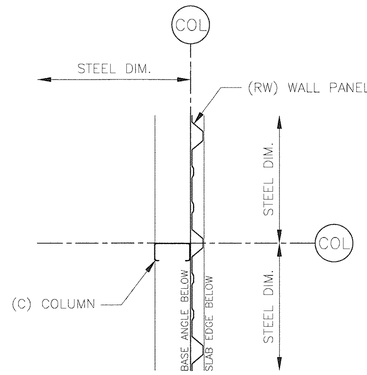
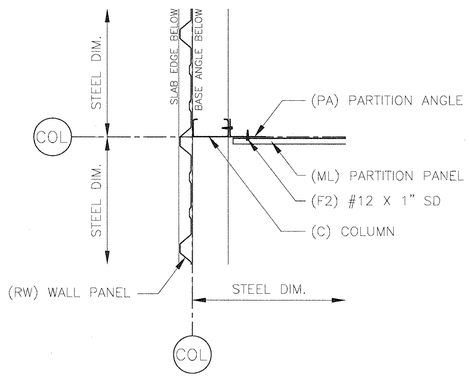


ERECTOR NOTE:
BASE CHANNEL IS 1/4" SHORTER THAN MULLION.
CENTER BASE CHANNEL ON CENTERLINE OF BAY.

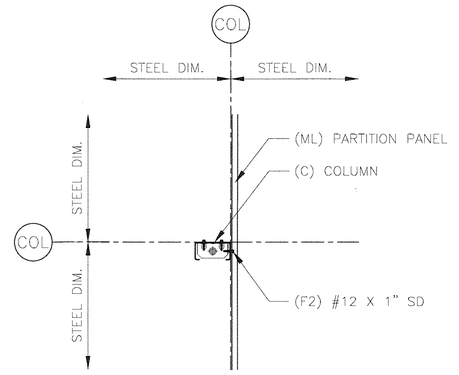
9 24" DOOR MULLION



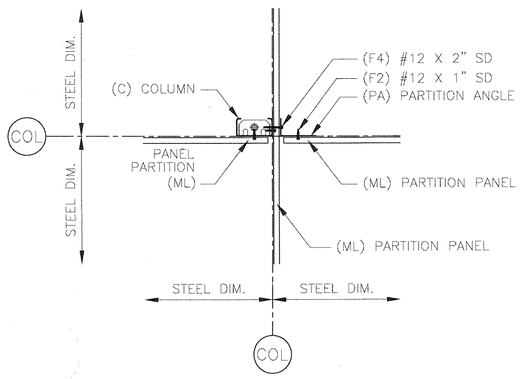
10 WALL



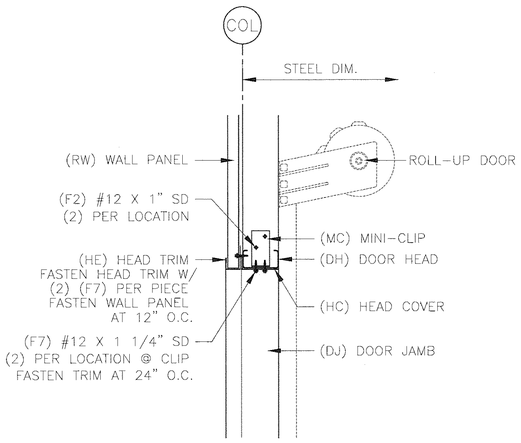
11 WALL WITH PARTITION



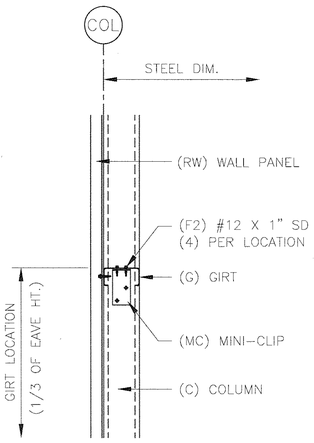
12 COLUMN CLIP



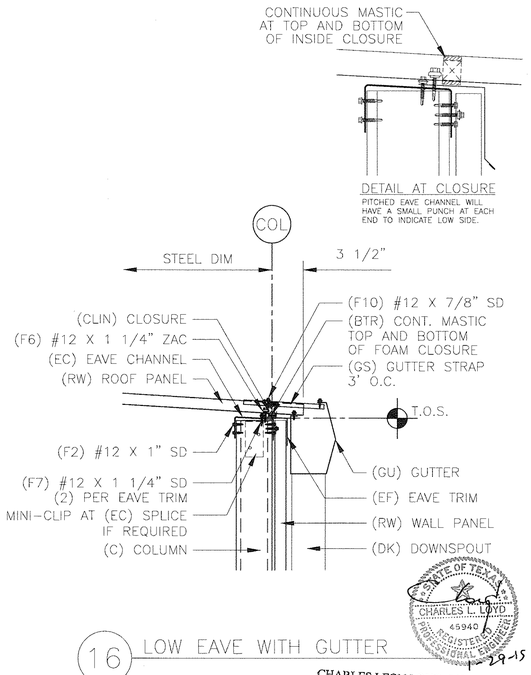
13 PARTITION CROSSING



14 DOOR HEAD



15 TYPICAL GIRT



16 LOW EAVE WITH GUTTER

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2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

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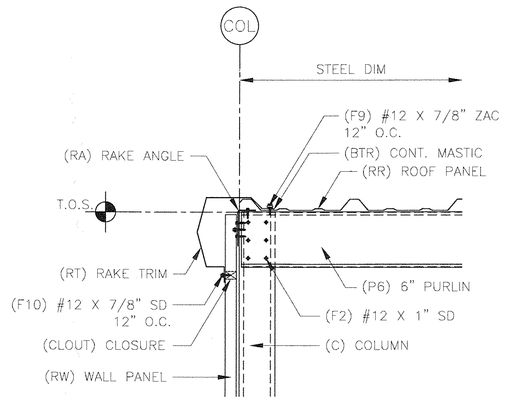
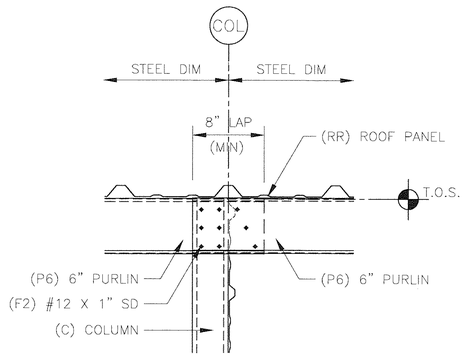
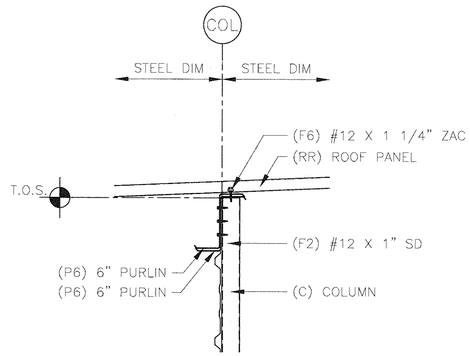


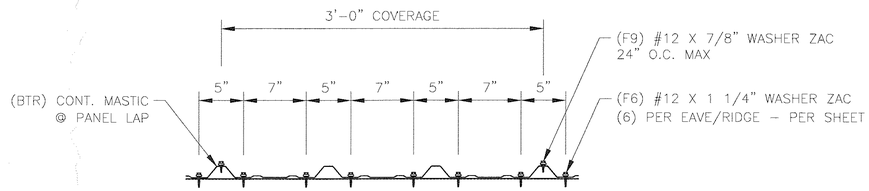
17 RAKE – 6" PURLIN



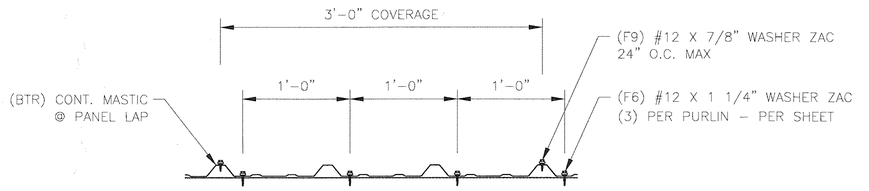
18 6" PURLIN LAP SIDE



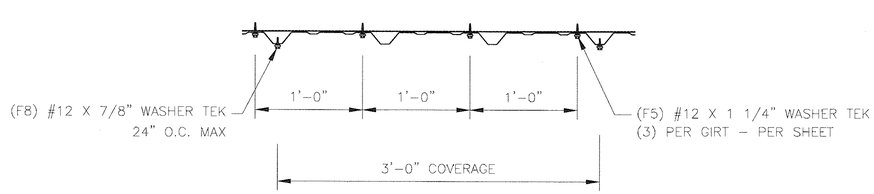
19 6" PURLIN LAP SECTION



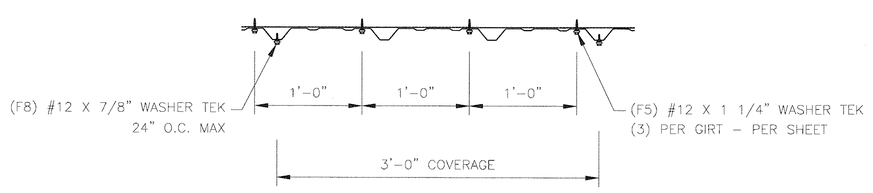
R–PANEL ROOF
EAVE AND RIDGE FASTENING



R–PANEL ROOF
PURLIN FASTENING

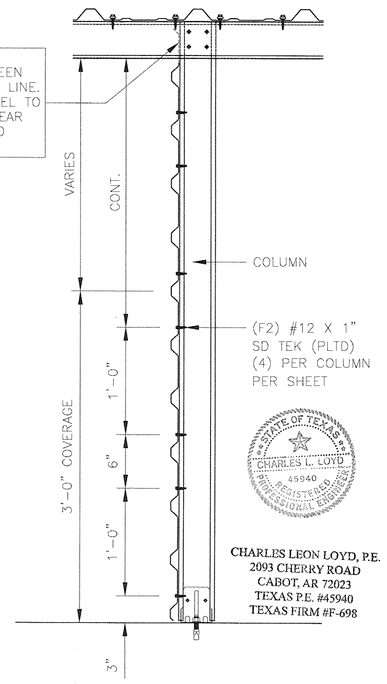


R–PANEL WALL
EAVE AND BASE FASTENING



R–PANEL WALL
GIRT AND DOOR HEAD FASTENING

ERECTOR NOTE:
PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. NOTCH TOP PARTITION PANEL TO MATCH ROOF LINE AND CLEAR PURLIN LEG AS NEEDED TO CLOSE IN THE UNIT.



M–LOC PARTITION
SHEET FASTENING LAYOUT

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

CONSTRUCTION	CJT	01/19/15
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CONFIDENTIAL AND PROPRIETARY INFORMATION

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Phone 888 399 0079 Fax 540 427 6882

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STRUCTURAL NOTES

BUILDER / CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY.

METAL BUILDING STRUCTURE DESIGNED PER THE FOLLOWING LOADING:

CODE: IBC 2012
WIND: 115 MPH EXPOSURE B WINDLOAD
ROOF LOAD: 20 PSF ROOF LIVE LOAD
SEISMIC: N/A
SNOW LOAD: 30 PSF (MAX) GROUND SNOW LOAD

DESIGN LOADS DESIGNATED WITHIN CONTRACT AND DRAWINGS DO NOT ALLOW FOR ANY TYPE OF SUSPENDED SYSTEM (E.G. LIGHTS, INSULATION, DUCT WORK, PIPING, ETC.) SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.

DESIGN AND SPECIFICATION OF BASE STEEL TO CONCRETE SLAB ANCHORING IS NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR CONCRETE SLAB FOUNDATION DESIGN, THICKNESS, MATERIALS, SITE SOIL CONDITIONS OR OTHER CONCRETE/MASONRY CONSTRUCTION.

ALL STRUCTURAL CONNECTIONS ARE TO BE MADE PER FASTENING DETAILS PRESENTED HEREIN. ALL STEEL FRAMING AND SHEETING MATERIALS MUST BE INSTALLED TO VERTICAL PLUMB AND HORIZONTALLY LEVEL.

THE BUILDING MANUFACTURER AND THE PROFESSIONAL ENGINEER SEALING THESE DRAWINGS ARE NOT THE PROFESSIONAL ENGINEER OF RECORD FOR THE ENTIRE PROJECT. THE PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE STRUCTURAL DESIGN OF THE METAL BUILDING SYSTEM. IT DOES NOT APPLY TO THE FOUNDATION SYSTEM, MASONRY DESIGN OR ANY OTHER ASPECT OF THE PROJECT UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.

JOBSITE / FIELD CONDITIONS NOTES:

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS TO STRUCTURE NOT INDICATED AT THE TIME OF PURCHASE. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE DIRECTION OF REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.

ALL CONCRETE AND MASONRY CONSTRUCTION MUST BE FLAT, LEVEL AND SQUARE PER THE SLAB PLAN DIMENSIONS HEREIN.

ALL JOBSITE DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BEFORE ERECTION OF BUILDING STRUCTURE.

ALL OMISSIONS, CONFLICTS AND DISCREPANCIES SHALL BE REPORTED TO THE BUILDING MANUFACTURER BEFORE PROCEEDING WITH PROJECT WORK.

ALL TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING, WINDBRACES OR OTHER ELEMENTS REQUIRED FOR THE BUILDING ERECTION ARE TO BE DETERMINED BY AND SUPPLIED BY BUILDER/CONTRACTOR.

BUILDING MANUFACTURER HAS MADE A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. JOB SITE SAFETY INSTRUCTION, SAFETY EQUIPMENT AND CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

ALL COMPONENTS SHIPPED SHALL BE THOROUGHLY INSPECTED AND ACCOUNTED FOR AT THE TIME OF DELIVERY. ALL MATERIAL SHORTAGES OR DEFECTS MUST BE REPORTED WITHIN FIVE (5) WORKING DAYS OF MATERIAL DELIVERY TO THE BUILDING MANUFACTURER.

DIAPHRAGM ACTION OF THE METAL PANELS AT INTERIOR PARTITION WALLS IS UTILIZED FOR THE STABILITY OF THIS BUILDING. ANY MODIFICATION OR UNAUTHORIZED CUTTING OF INTERIOR PARTITION PANELS IS EXPRESSLY PROHIBITED BY THE BUILDING MANUFACTURER.

PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. THE TOP PARTITION PANEL CAN BE NOTCHED TO MATCH ROOF LINE AND CLEAR PURLIN LEG TO CLOSE IN THE UNIT AS DESIRED.

INSTALLATION NOTES:

FIELD CUTTING OF STRUCTURAL, SHEETING AND TRIMS FOR SPLICE AND FINAL FITTING OF COMPONENTS IS REQUIRED.

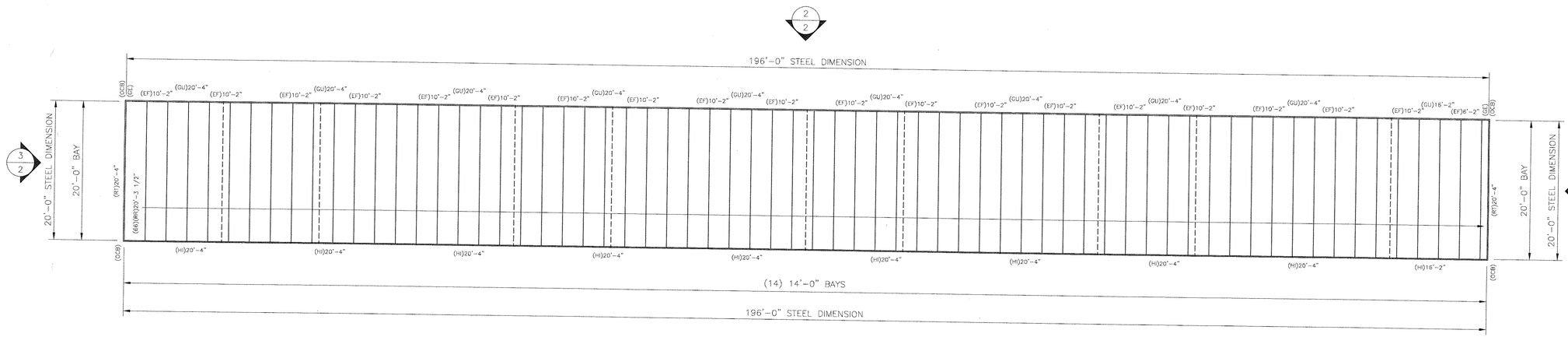
ALL ROOF PANEL LAPS SHALL BE SEALED WITH 3/8" (MINIMUM) WIDTH MASTIC TAPE AS PROVIDED FOR PROJECT. ALL SHEET PROFILE FOAM CLOSURES AT EAVE, WALL AND RIDGE CONDITIONS AS PROVIDED FOR PROJECT MUST BE INSTALLED AS SHOWN HEREIN.

WALL PANELS AND WALL TRIMS, AT INTERIOR AND EXTERIOR, ARE TO BE SET WITH 1/4" CLEARANCE ABOVE CONCRETE SURFACES AND AT ANY LOCATIONS WHICH MAY BE SUBJECTED TO CONTACT WITH STANDING WATER.

LAP ALL FLASHINGS 2" MINIMUM AND SEAL AS REQUIRED FOR WATER TIGHTNESS

ALLOW 1/4" TOLERANCE AT EACH END FOR PURLINS, HEADERS AND GIRTS.

DRAWING INDEX



KEY PLAN

scale - 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
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TEXAS P.E. #45940
TEXAS FIRM #F-698

ERECTOR NOTE:
A DETAILED INSTALLATION GUIDE IS AVAILABLE AND SHOULD BE CONSULTED DURING THE ERECTION OF THIS BUILDING PACKAGE. PLEASE CONTACT US IF YOU HAVE NOT RECEIVED A COPY OF THE INSTALLATION GUIDE AND ONE WILL BE PROVIDED TO YOU.

CLOSURE NOTE:
(69) INSIDE CLOSURES INCLUDED FOR LOW EAVE. INSTALL #TR TAPE ON TOP AND BOTTOM OF INSIDE CLOSURE (SEE DETAILS AND INSTALLATION GUIDE)
(80) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(14) OUTSIDE CLOSURES INCLUDED FOR RAKE.
(132) OUTSIDE CLOSURES INCLUDED FOR ROOF AND WALL OF HIGH EAVE.

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OC	ON CENTER
APPROX	APPROXIMATE	FDN	FOUNDATION	OD	OUTSIDE DIAMETER
BLDG	BUILDING	FF	FINISHED FLOOR	OH	OPPOSITE HAND
BLK	BLOCK	FOB	FACE OF BLOCK OR BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT OR FEET	RAD	RADIUS
BLKG	BLOCKING	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GWB	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	ID	INSIDE DIAMETER	STL	STEEL
DWG	DRAWING	INSUL	INSULATION	TOB	TOP OF BEAM
DIM	DIMENSION	INT	INTERIOR	TOC	TOP OF CONCRETE
DR	DOOR	INFO	INFORMATION	TOS	TOP OF STEEL
EA	EACH	JT	JOINT	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MAX	MAXIMUM	TS	TUBE STEEL
EJ	EXPANSION JOINT	MIN	MINIMUM	TYP	TYPICAL
EL	ELEVATION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	MTL	METAL	VAR	VARIES
EXP	EXPANSION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXT	EXTERIOR	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT
EOS	EDGE OF SLAB	OA	OVERALL		

STRUCTURE ABBREVIATIONS

(BA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(BC)	U42516Z 4 1/8 X 2 7/8 X 16GA. CHANNEL (9.9)
(C4)	C4216R 4 X 2 X 16GA. CEE (8.9)
(C6)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)
(DH)	C4216R 4 X 2 X 16GA. CEE (8.9)
(DJ)	C43516R 4 X 3 1/2 X 16GA. CEE (11.9)
(EC)	U4216R 4 1/8 X 2 3/8 X 16GA. CHANNEL (8.9)
(ES)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)
(FC)	AS MANUFACTURED
(G)	C4216R 4 X 2 X 16GA. CEE (8.9)
(HA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(HR)	C4216R 4 X 2 X 16GA. CEE (8.9)
(JR)	C62516R 6 X 2 1/2 X 16GA. CEE (11.9)
(M)	C12416R 12 X 4 X 16GA. CEE (20.9)
(MC)	B4216R 4 X 2 X 2" LONG 16GA. ANGLE (5.9)
(P4)	Z42516R 2 1/2 X 4 X 2 1/2 X 16GA. ZEE (9.9)
(P6)	Z62516R 2 1/2 X 6 X 2 1/2 X 16GA. ZEE (11.9)
(P8)	Z82516R 2 1/2 X 8 X 2 1/2 X 16GA. ZEE (13.9)
(PA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(RA)	B4216R 4 X 2 X 16GA. ANGLE (5.9)
(RS)	E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)

- FLOOR BASE ANGLE
- FLOOR BASE CHANNEL
- 4" COLUMN
- 6" COLUMN
- DOOR HEAD
- DOOR JAMB
- EAVE CHANNEL
- EAVE STRUT
- FLOOR CLIP
- GIRT
- HALL TOP ANGLE
- DOOR HEAD REINFORCEMENT
- JACK RAFTER
- MULLION
- MINI CLIP
- ROOF PURLIN
- ROOF PURLIN
- ROOF PURLIN
- PARTITION ANGLE
- RAKE ANGLE
- RIDGE STRUT

SHEETING ABBREVIATIONS

(ML)	29GA. M-LOC WALL PANEL
(RL)	29GA. R-LOC WALL PANEL
(PL)	29GA. PANEL-LOC WALL PANEL
(RR)	26GA. PBR ROOF PANEL
(RW)	26GA. PBR WALL PANEL

FASTENER ABBREVIATIONS

(F1)	1/2" X 2 3/4" CONC. EXPANSION ANCHOR
(F2)	12 X 1 SELF-DRILLING TEK (PLTD)
(F3)	12 X 1 SELF-DRILLING TEK (PLTD)
(F4)	12 X 2 SELF-DRILLING TEK (PLTD)
(F5)	12 X 1 1/4 WASHER TEK (PTD)
(F6)	12 X 1 1/4 WASHER ZAC (PTD)(PLTD)
(F7)	12 X 1 1/4 WASHER TEK (PTD)
(F8)	12 X 7/8 WASHER TEK (PTD)
(F9)	12 X 7/8 WASHER ZAC (PTD)(PLTD)
(F10)	12 X 7/8 WASHER TEK (PTD)
(F11)	1/8 POP RIVET
(F12)	12 X 1 1/4 WASHER TEK (PTD)
(F13)	12 X 1 1/4 WASHER TEK (PTD)
(F14)	12 X 7/8 WASHER TEK (PTD)
(F15)	12 X 7/8 WASHER TEK (PTD)(PLTD)

- BASE TO SLAB CONNECTIONS
- STRUCTURAL STEEL CONNECTIONS
- PARTITION SHEETING
- PARTITION ANGLE CONNECTIONS
- EXTERIOR WALL SHEETING
- ROOF SHEETING
- EXTERIOR TRIM DRILLER
- EXTERIOR WALL PANEL LAP
- ROOF PANEL LAP
- EXTERIOR TRIM LAP
- EXTERIOR TRIM
- INTERIOR WALL SHEETING
- INTERIOR TRIM DRILLER
- INTERIOR WALL PANEL LAP
- INTERIOR TRIM LAP

TRIM ABBREVIATIONS

(BTR)	7/8" ROLL MASTIC
(CLIN)	R PANEL INSIDE FOAM CLOSURE
(CLOUT)	R PANEL OUTSIDE FOAM CLOSURE
(GEOCEL)	GUTTER SEAL
(IN)	R PANEL INSIDE CORNER TRIM
(OU)	R PANEL OUTSIDE CORNER TRIM
(CM)	DOOR CORNER MULLION TRIM
(DK)	DOWNSPOUT WITH KICK OUT
(DSS)	DOWNSPOUT STRAP
(EF)	EAVE FLASHING
(FRC)	FORMED RIDGE CAP
(GE)	GUTTER END CAP
(GS)	GUTTER HANGER STRAP
(GU)	GUTTER
(HC)	DOOR HEAD COVER TRIM
(HE)	DOOR HEAD TRIM
(HI)	HIGH EAVE TRIM
(ICB)	INSIDE CORNER BOX
(JA)	DOOR JAMB TRIM
(JC)	DOOR JAMB COVER TRIM
(MC)	DOOR MULLION COVER TRIM
(OCB)	OUTSIDE CORNER BOX
(PB)	PEAK BOX
(REND)	RAKE TRIM END CAP
(RT)	RAKE TRIM
(SA)	HALL TOP TRIM
(TI)	ROOF TIE IN TRIM
(TR)	ROOF STEP TRANSITION FLASHING
(4SP)	4OZ. TOUCH UP SPRAY PAINT

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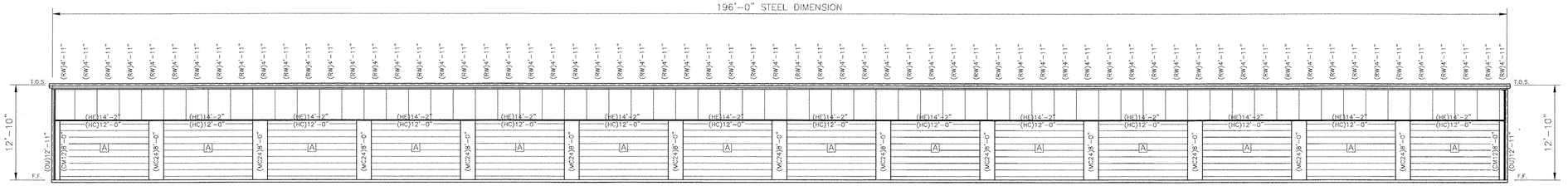
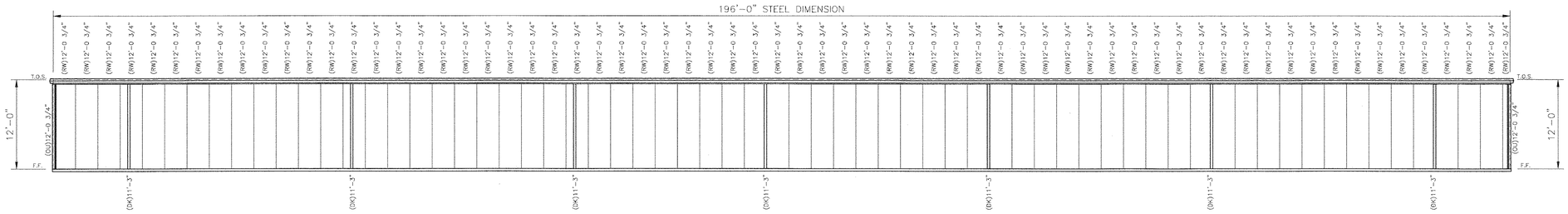


1 FRONT ELEVATION
scale - 1/8" = 1'-0"



2 REAR ELEVATION
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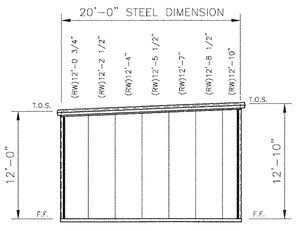
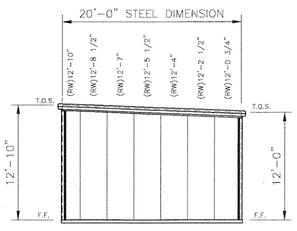


3 LEFT ELEVATION
scale - 1/8" = 1'-0"

DOOR SCHEDULE
A (14) EACH 12'-0" X 8'-0" ROLLUP DOOR



4 RIGHT ELEVATION
scale - 1/8" = 1'-0"

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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

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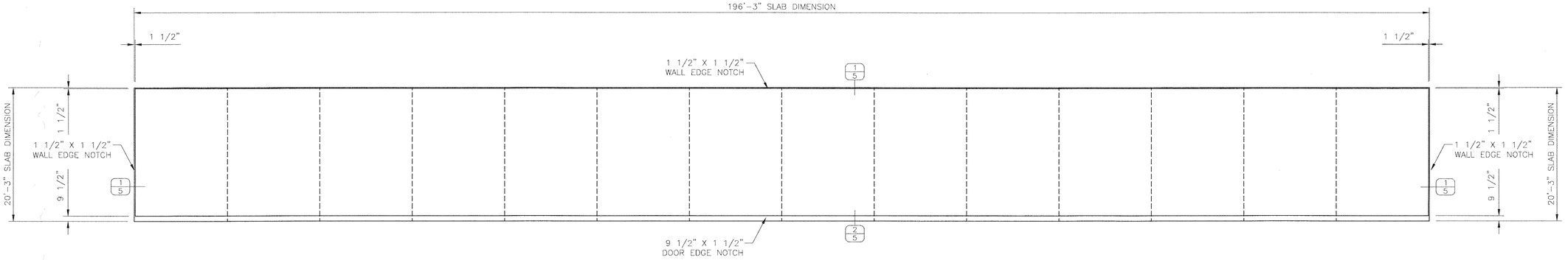
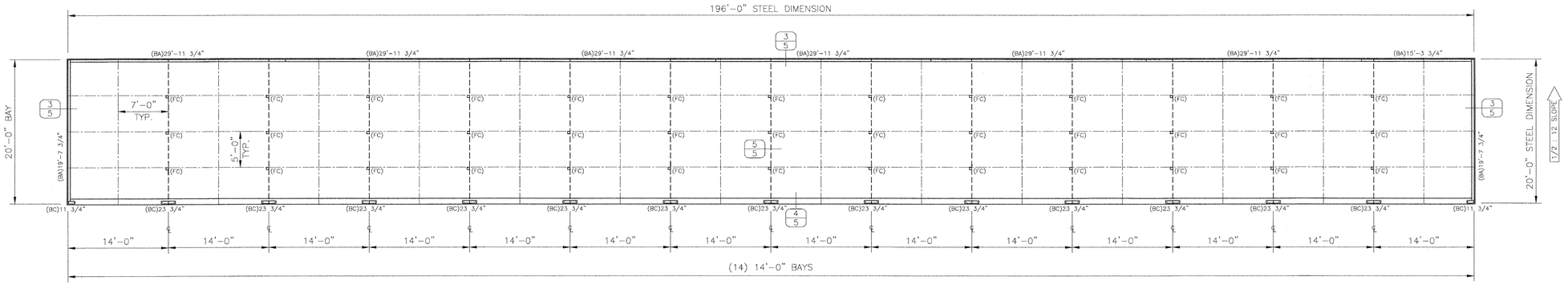


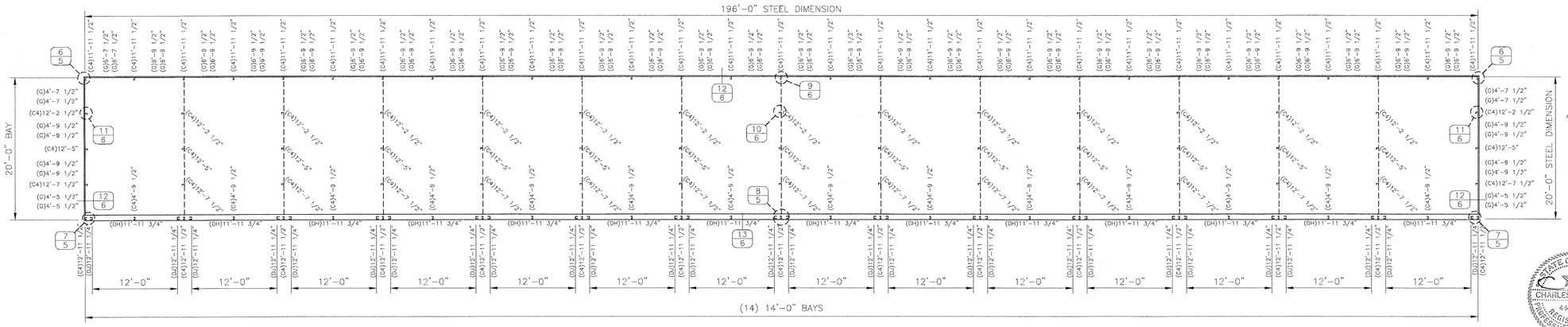
SLAB PLAN

scale - 1/8" = 1'-0"



FLOOR PLAN

scale - 1/8" = 1'-0"



FRAMING PLAN

scale - 1/8" = 1'-0"

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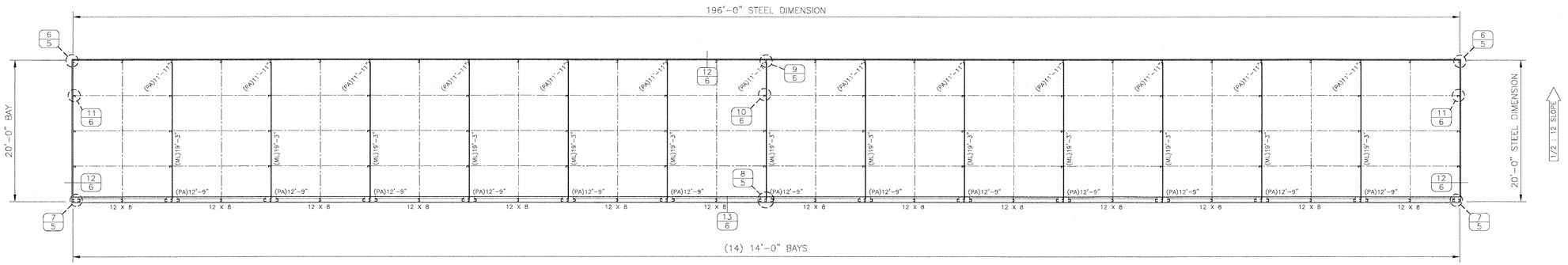
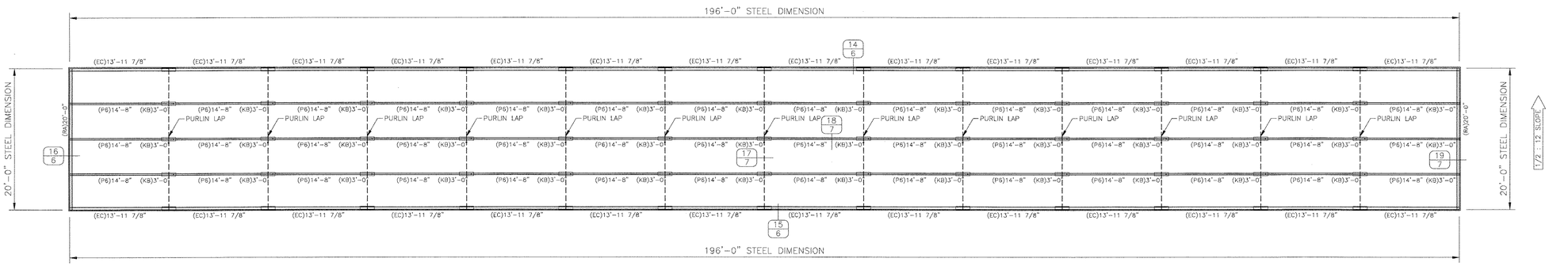


PARTITION PLAN

scale - 1/8" = 1'-0"



ROOF PLAN

scale - 1/8" = 1'-0"

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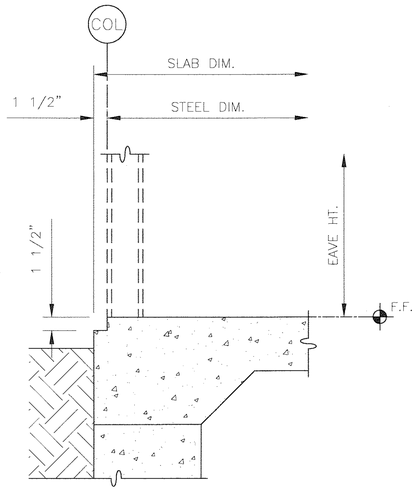
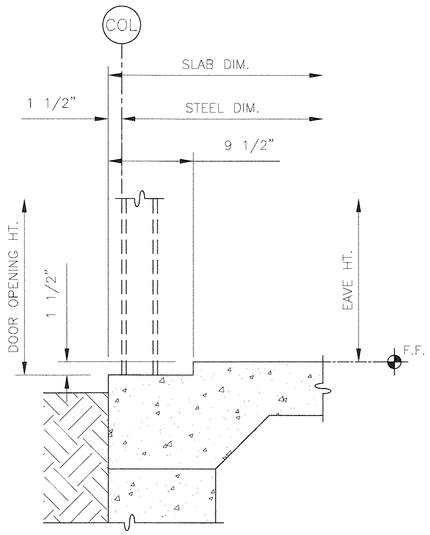
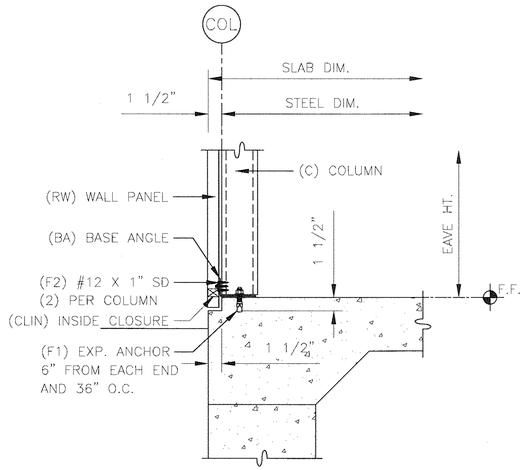


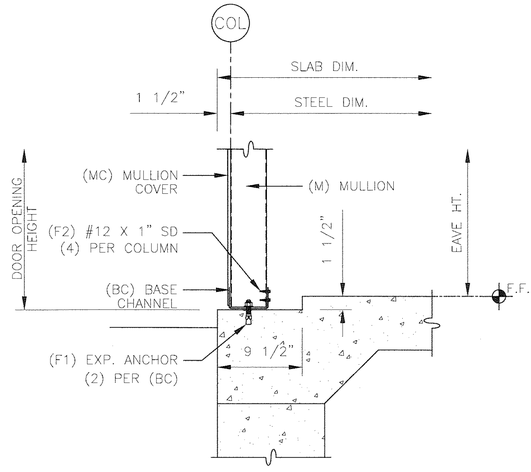
1 WALL EDGE SLAB NOTCH
1 1/2" X 1 1/2" NOTCH



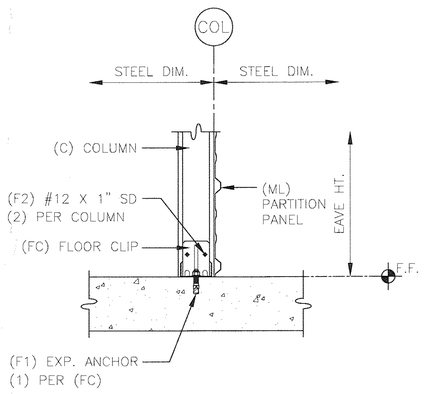
2 DOOR EDGE SLAB NOTCH
9 1/2" X 1 1/2" NOTCH



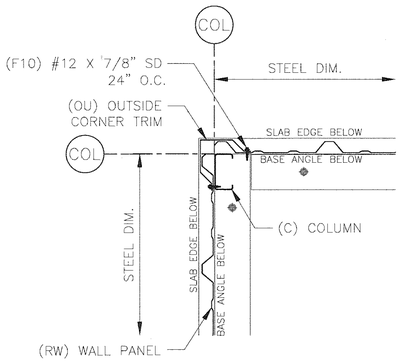
3 WALL EDGE BASE ANGLE



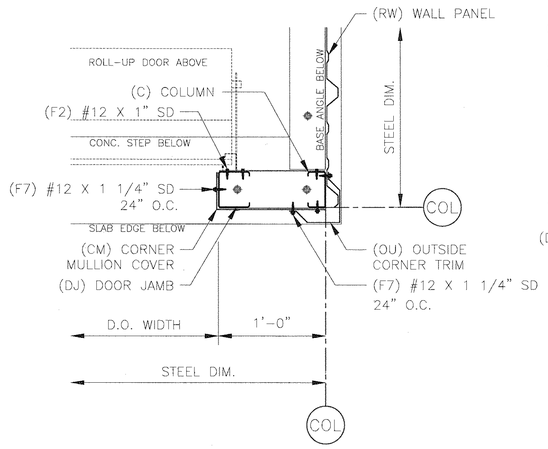
4 DOOR EDGE BASE



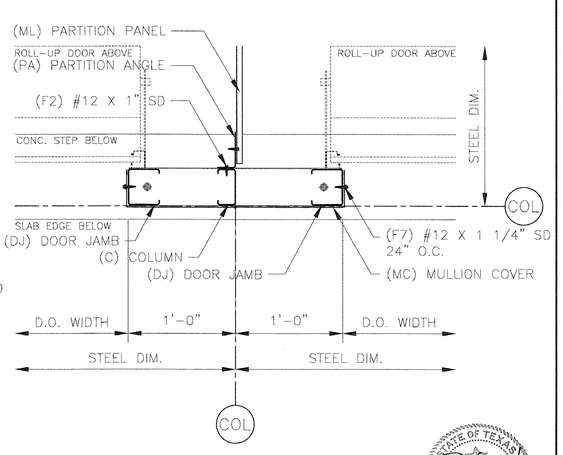
5 COLUMN FLOOR BASE CLIP



6 OUTSIDE CORNER



7 DOOR JAMB – 12" CORNER



ERECTOR NOTE:
BASE CHANNEL IS 1/4" SHORTER THAN MULLION.
CENTER BASE CHANNEL ON CENTERLINE OF BAY.

8 24" DOOR MULLION

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

BY	DATE
CJT	01/19/15

CONSTRUCTION
PRINTS ISSUED FOR

BLDG. 9
20 x 196 x 12-0 LS
LOCATION:
Laredo, TX 78041

Austin
Building Systems, Inc.
www.buildmetal.com
402 Wilbur Hall Rd. Lexington, KY 40504
Phone 888 995 6079 Fax 540 427 0880

DWG #14-3223KCN

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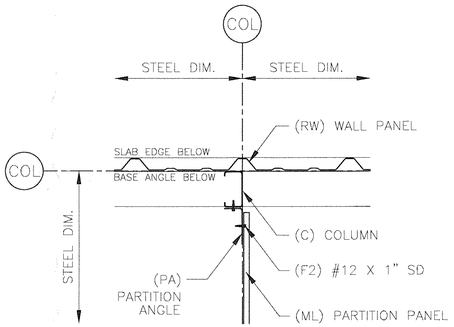
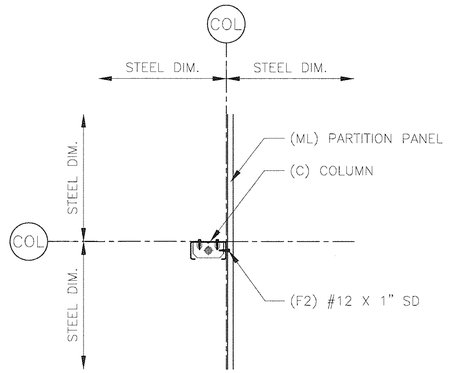
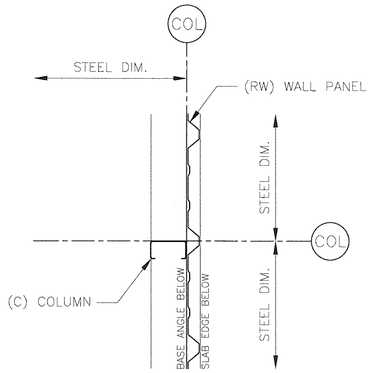


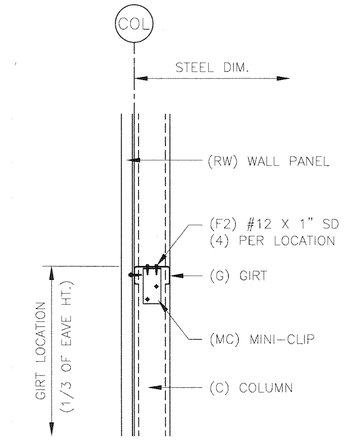
9 WALL WITH PARTITION



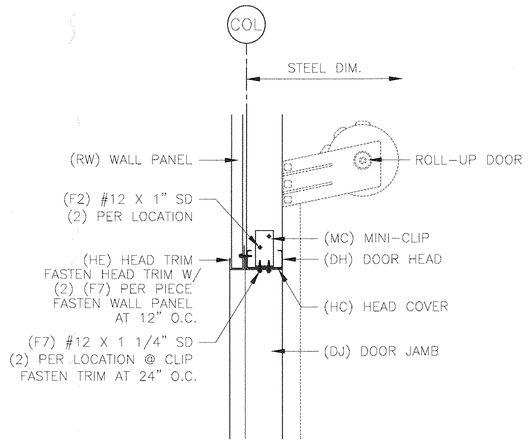
10 COLUMN CLIP



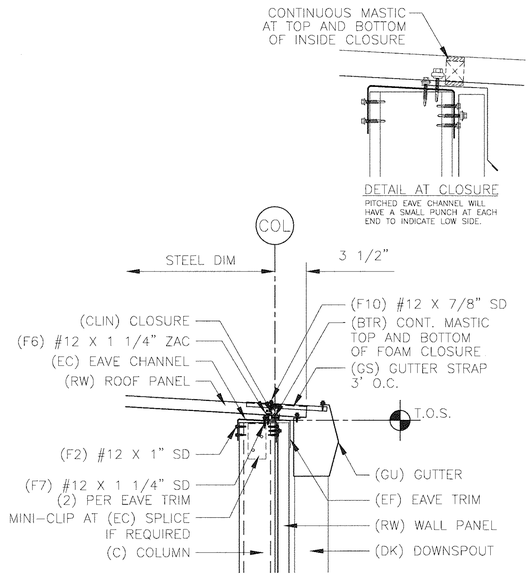
11 WALL



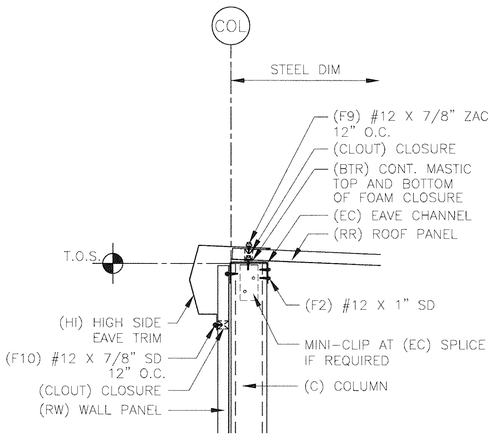
12 TYPICAL GIRT



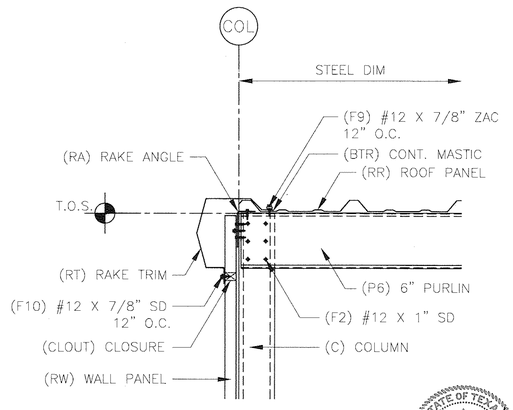
13 DOOR HEAD



14 LOW EAVE WITH GUTTER



15 HIGH EAVE



16 RAKE – 6" PURLIN

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

CONSTRUCTION PRINTS ISSUED FOR	CJT BY	01/19/15 DATE

BLDG. 9
20 x 196 x 12-0 LS
LOCATION:
Laredo, TX 78041

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www.buildmetal.com
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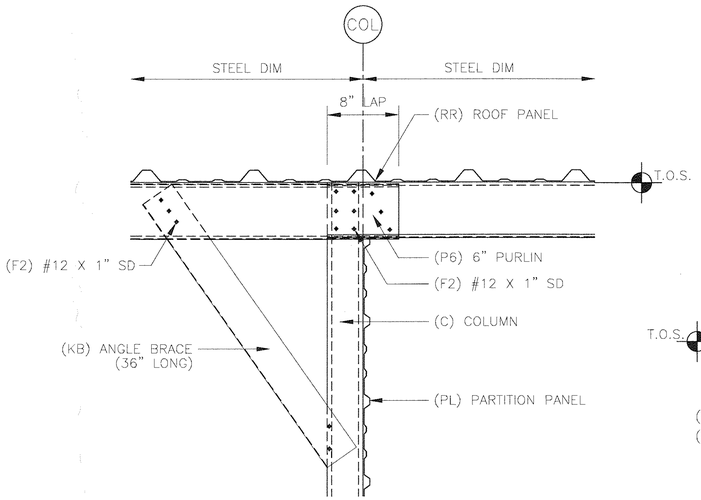
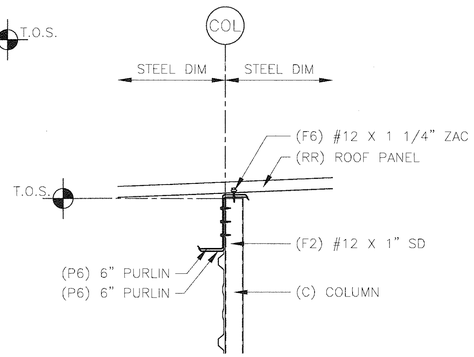
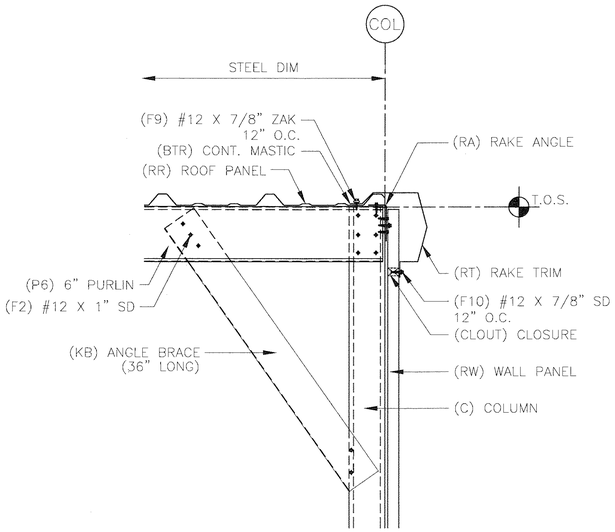
STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-28-15



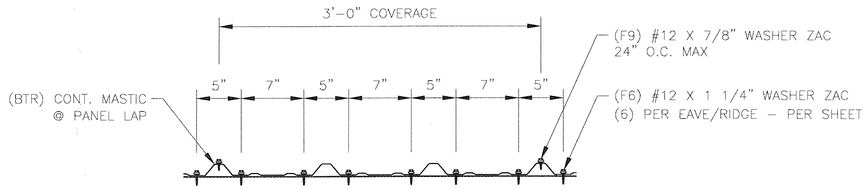
17 6" PURLIN LAP W/ ANGLE BRACE



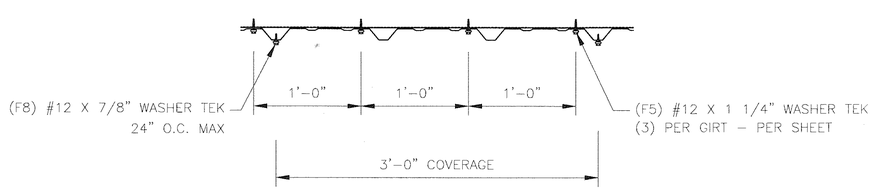
18 6" PURLIN LAP SECTION



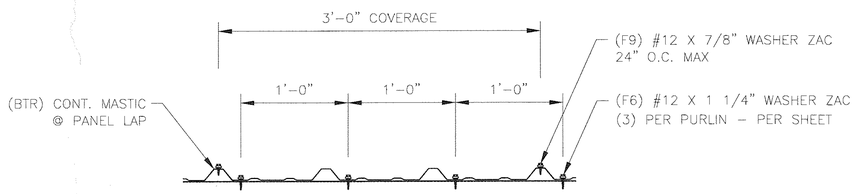
19 RAKE W/ ANGLE BRACE AT 6" PURLIN



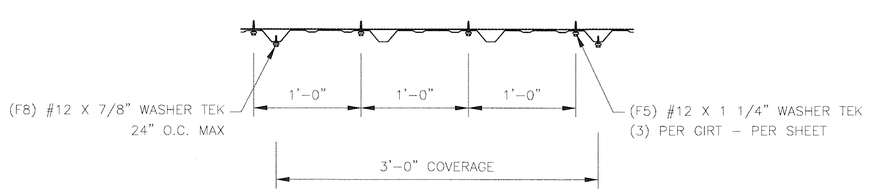
R-PANEL ROOF
EAVE AND RIDGE FASTENING



R-PANEL WALL
EAVE AND BASE FASTENING

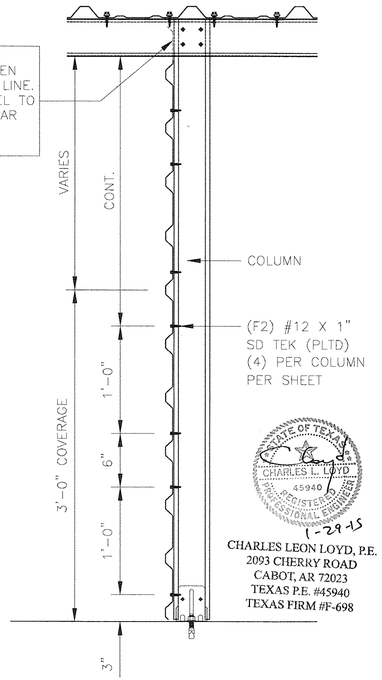


R-PANEL ROOF
PURLIN FASTENING



R-PANEL WALL
GIRT AND DOOR HEAD FASTENING

ERECTOR NOTE:
PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. NOTCH TOP PARTITION PANEL TO MATCH ROOF LINE AND CLEAR PURLIN LEG AS NEEDED TO CLOSE IN THE UNIT.



M-LOC PARTITION
SHEET FASTENING LAYOUT

CONSTRUCTION PRINTS ISSUED FOR	CJT BY	01/19/15 DATE

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DWG #14-3223KCN

Sheet
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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

STRUCTURAL NOTES

BUILDER / CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY.

METAL BUILDING STRUCTURE DESIGNED PER THE FOLLOWING LOADING:

CODE: IBC 2012
WIND: 115 MPH EXPOSURE B WINDLOAD
ROOF LOAD: 20 PSF ROOF LIVE LOAD
SEISMIC: N/A
SNOW LOAD: 30 PSF (MAX) GROUND SNOW LOAD

DESIGN LOADS DESIGNATED WITHIN CONTRACT AND DRAWINGS DO NOT ALLOW FOR ANY TYPE OF SUSPENDED SYSTEM (E.G. LIGHTS, INSULATION, DUCT WORK, PIPING, ETC.) SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.

DESIGN AND SPECIFICATION OF BASE STEEL TO CONCRETE SLAB ANCHORING IS NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR CONCRETE SLAB FOUNDATION DESIGN, THICKNESS, MATERIALS, SITE SOIL CONDITIONS OR OTHER CONCRETE/MASONRY CONSTRUCTION.

ALL STRUCTURAL CONNECTIONS ARE TO BE MADE PER FASTENING DETAILS PRESENTED HEREIN. ALL STEEL FRAMING AND SHEETING MATERIALS MUST BE INSTALLED TO VERTICAL PLUMB AND HORIZONTALLY LEVEL.

THE BUILDING MANUFACTURER AND THE PROFESSIONAL ENGINEER SEALING THESE DRAWINGS ARE NOT THE PROFESSIONAL ENGINEER OF RECORD FOR THE ENTIRE PROJECT. THE PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE STRUCTURAL DESIGN OF THE METAL BUILDING SYSTEM. IT DOES NOT APPLY TO THE FOUNDATION SYSTEM, MASONRY DESIGN OR ANY OTHER ASPECT OF THE PROJECT UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.

JOBSITE / FIELD CONDITIONS NOTES:

BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS TO STRUCTURE NOT INDICATED AT THE TIME OF PURCHASE. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE DIRECTION OF REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.

ALL CONCRETE AND MASONRY CONSTRUCTION MUST BE FLAT, LEVEL AND SQUARE PER THE SLAB PLAN DIMENSIONS HEREIN.

ALL JOBSITE DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BEFORE ERECTION OF BUILDING STRUCTURE.

ALL OMISSIONS, CONFLICTS AND DISCREPANCIES SHALL BE REPORTED TO THE BUILDING MANUFACTURER BEFORE PROCEEDING WITH PROJECT WORK.

ALL TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING, WINDBRACES OR OTHER ELEMENTS REQUIRED FOR THE BUILDING ERECTION ARE TO BE DETERMINED BY AND SUPPLIED BY BUILDER/CONTRACTOR.

BUILDING MANUFACTURER HAS MADE A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. JOB SITE SAFETY INSTRUCTION, SAFETY EQUIPMENT AND CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

ALL COMPONENTS SHIPPED SHALL BE THOROUGHLY INSPECTED AND ACCOUNTED FOR AT THE TIME OF DELIVERY. ALL MATERIAL SHORTAGES OR DEFECTS MUST BE REPORTED WITHIN FIVE (5) WORKING DAYS OF MATERIAL DELIVERY TO THE BUILDING MANUFACTURER.

DIAPHRAGM ACTION OF THE METAL PANELS AT INTERIOR PARTITION WALLS IS UTILIZED FOR THE STABILITY OF THIS BUILDING. ANY MODIFICATION OR UNAUTHORIZED CUTTING OF INTERIOR PARTITION PANELS IS EXPRESSLY PROHIBITED BY THE BUILDING MANUFACTURER.

PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. THE TOP PARTITION PANEL CAN BE NOTCHED TO MATCH ROOF LINE AND CLEAR PURLIN LEG TO CLOSE IN THE UNIT AS DESIRED.

INSTALLATION NOTES:

FIELD CUTTING OF STRUCTURAL, SHEETING AND TRIMS FOR SPLICE AND FINAL FITTING OF COMPONENTS IS REQUIRED.

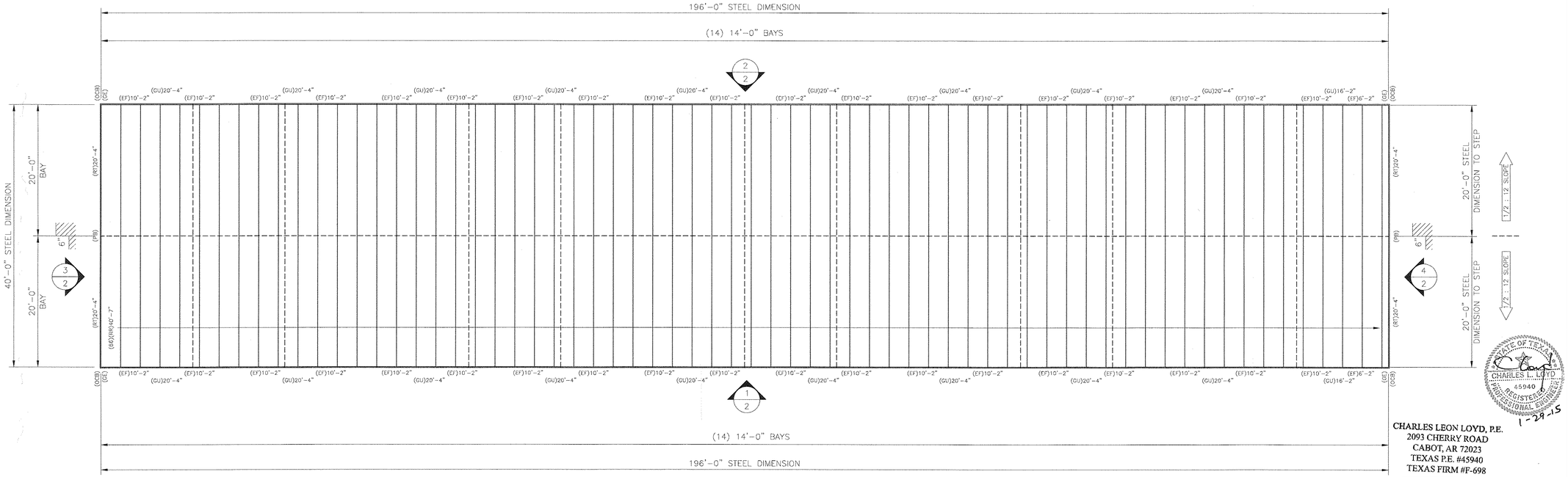
ALL ROOF PANEL LAPS SHALL BE SEALED WITH 3/8" (MINIMUM) WIDTH MASTIC TAPE AS PROVIDED FOR PROJECT. ALL SHEET PROFILE FOAM CLOSURES AT EAVE, WALL AND RIDGE CONDITIONS AS PROVIDED FOR PROJECT MUST BE INSTALLED AS SHOWN HEREIN.

WALL PANELS AND WALL TRIMS, AT INTERIOR AND EXTERIOR, ARE TO BE SET WITH 1/4" CLEARANCE ABOVE CONCRETE SURFACES AND AT ANY LOCATIONS WHICH MAY BE SUBJECTED TO CONTACT WITH STANDING WATER.

LAP ALL FLASHINGS 2" MINIMUM AND SEAL AS REQUIRED FOR WATER TIGHTNESS

ALLOW 1/4" TOLERANCE AT EACH END FOR PURLINS, HEADERS AND GIRTS.

DRAWING INDEX



KEY PLAN

scale – 1/8" = 1'-0"

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

ERECTOR NOTE:
A DETAILED INSTALLATION GUIDE IS AVAILABLE AND SHOULD BE CONSULTED DURING THE ERECTION OF THIS BUILDING PACKAGE. PLEASE CONTACT US IF YOU HAVE NOT RECEIVED A COPY OF THE INSTALLATION GUIDE AND ONE WILL BE PROVIDED TO YOU.

CLOSURE NOTE:
(132) INSIDE CLOSURES INCLUDED FOR LOW EAVE. INSTALL BTR TAPE ON TOP AND BOTTOM OF INSIDE CLOSURE (SEE DETAILS AND INSTALLATION GUIDE)
(28) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(14) OUTSIDE CLOSURES INCLUDED FOR RAKE.

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OC	ON CENTER
APPROX	APPROXIMATE	FDN	FOUNDATION	OD	OUTSIDE DIAMETER
BLDG	BUILDING	FF	FINISHED FLOOR	OH	OPPOSITE HAND
BLK	BLOCK	FOB	FACE OF BLOCK OR BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT OR FEET	RAD	RADIUS
BLKG	BLOCKING	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GWB	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	ID	INSIDE DIAMETER	STL	STEEL
DWG	DRAWING	INSUL	INSULATION	TOB	TOP OF BEAM
DIM	DIMENSION	INT	INTERIOR	TOC	TOP OF CONCRETE
DR	DOOR	INFO	INFORMATION	TOS	TOP OF STEEL
EA	EACH	JT	JOINT	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MAX	MAXIMUM	TS	TUBE STEEL
EJ	EXPANSION JOINT	MIN	MINIMUM	TYP	TYPICAL
EL	ELEVATION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	MTL	METAL	VAR	VARIES
EXP	EXPANSION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXT	EXTERIOR	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT
EOS	EDGE OF SLAB	OA	OVERALL		

STRUCTURE ABBREVIATIONS

(BA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– FLOOR BASE ANGLE
(BC) – U42516Z 4 1/8 X 2 7/8 X 16GA. CHANNEL (9.9)	– FLOOR BASE CHANNEL
(C4) – C4216R 4 X 2 X 16GA. CEE (8.9)	– 4" COLUMN
(C6) – C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– 6" COLUMN
(DH) – C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD
(DJ) – C43516R 4 X 3 1/2 X 16GA. CEE (11.9)	– DOOR JAMB
(EC) – U4216R 4 1/8 X 2 3/8 X 16GA. CHANNEL (8.9)	– EAVE CHANNEL
(ES) – E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– EAVE STRUT
(FC) – AS MANUFACTURED	– FLOOR CLIP
(G) – C4216R 4 X 2 X 16GA. CEE (8.9)	– GIRT
(HA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– HALL TOP ANGLE
(HR) – C4216R 4 X 2 X 16GA. CEE (8.9)	– DOOR HEAD REINFORCEMENT
(JR) – C62516R 6 X 2 1/2 X 16GA. CEE (11.9)	– JACK RAFTER
(M) – C12416R 12 X 4 X 16GA. CEE (20.9)	– MULLION
(MC) – B4216R 4 X 2 X 2" LONG 16GA. ANGLE (5.9)	– MINI CLIP
(P4) – Z42516R 2 1/2 X 4 X 2 1/2 X 16GA. ZEE (9.9)	– ROOF PURLIN
(P6) – Z62516R 2 1/2 X 6 X 2 1/2 X 16GA. ZEE (11.9)	– ROOF PURLIN
(P8) – Z82516R 2 1/2 X 8 X 2 1/2 X 16GA. ZEE (13.9)	– ROOF PURLIN
(PA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– PARTITION ANGLE
(RA) – B4216R 4 X 2 X 16GA. ANGLE (5.9)	– RAKE ANGLE
(RS) – E64316LR 4 X 6 X 3 X 16GA. STRUT (13.9)	– RIDGE STRUT

SHEETING ABBREVIATIONS

(ML) – 29GA. M–LOC WALL PANEL	
(RL) – 29GA. R–LOC WALL PANEL	
(PL) – 29GA. PANEL–LOC WALL PANEL	
(RR) – 26GA. PBR ROOF PANEL	
(RW) – 26GA. PBR WALL PANEL	

FASTENER ABBREVIATIONS

(F1) – 1/2" X 2 3/4" CONC. EXPANSION ANCHOR	– BASE TO SLAB CONNECTIONS
(F2) – 12 X 1 SELF–DRILLING TEK (PLTD)	– STRUCTURAL STEEL CONNECTIONS
(F3) – 12 X 1 SELF–DRILLING TEK (PLTD)	– PARTITION SHEETING
(F4) – 12 X 2 SELF–DRILLING TEK (PLTD)	– PARTITION ANGLE CONNECTIONS
(F5) – 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR WALL SHEETING
(F6) – 12 X 1 1/4 WASHER ZAC (PTD)(PLTD)	– ROOF SHEETING
(F7) – 12 X 1 1/4 WASHER TEK (PTD)	– EXTERIOR TRIM DRILLER
(F8) – 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR WALL PANEL LAP
(F9) – 12 X 7/8 WASHER ZAC (PTD)(PLTD)	– ROOF PANEL LAP
(F10) – 12 X 7/8 WASHER TEK (PTD)	– EXTERIOR TRIM LAP
(F11) – 1/8 POP RIVET	– EXTERIOR TRIM
(F12) – 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR WALL SHEETING
(F13) – 12 X 1 1/4 WASHER TEK (PTD)	– INTERIOR TRIM DRILLER
(F14) – 12 X 7/8 WASHER TEK (PTD)	– INTERIOR WALL PANEL LAP
(F15) – 12 X 7/8 WASHER TEK (PTD)(PLTD)	– INTERIOR TRIM LAP

TRIM ABBREVIATIONS

(BTR) – 7/8" ROLL MASTIC	(ICB) – INSIDE CORNER BOX
(CLIN) – R PANEL INSIDE FOAM CLOSURE	(JA) – DOOR JAMB TRIM
(CLOUT) – R PANEL OUTSIDE FOAM CLOSURE	(JC) – DOOR JAMB COVER TRIM
(GEOCEL) – GUTTER SEAL	(MC) – DOOR MULLION COVER TRIM
(IN) – R PANEL INSIDE CORNER TRIM	(OCB) – OUTSIDE CORNER BOX
(OU) – R PANEL OUTSIDE CORNER TRIM	(PB) – PEAK BOX
(CM) – DOOR CORNER MULLION TRIM	(REND) – RAKE TRIM END CAP
(DK) – DOWNSPOUT WITH KICK OUT	(RT) – RAKE TRIM
(DSS) – DOWNSPOUT STRAP	(SA) – HALL TOP TRIM
(EF) – EAVE FLASHING	(TI) – ROOF TIE IN TRIM
(FRC) – FORMED RIDGE CAP	(TR) – ROOF STEP TRANSITION FLASHING
(GE) – GUTTER END CAP	(4SP) – 4OZ. TOUCH UP SPRAY PAINT
(GS) – GUTTER HANGER STRAP	
(GU) – GUTTER	
(HC) – DOOR HEAD COVER TRIM	
(HE) – DOOR HEAD TRIM	
(HI) – HIGH EAVE TRIM	

	CJT	01/19/15
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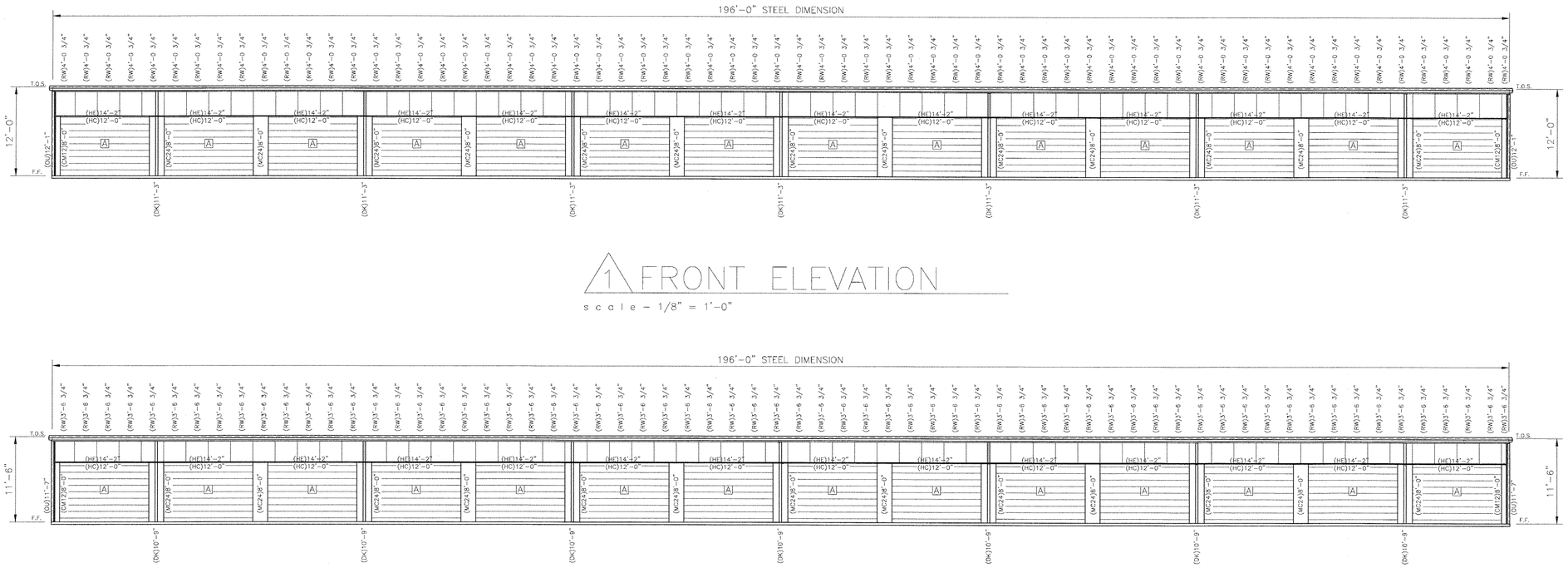
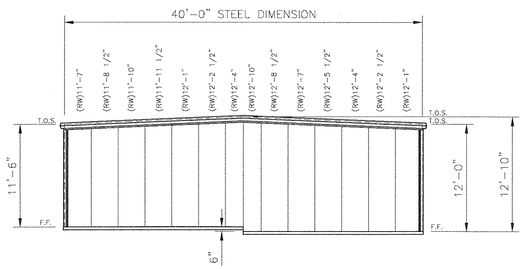


1 FRONT ELEVATION

scale - 1/8" = 1'-0"

2 REAR ELEVATION

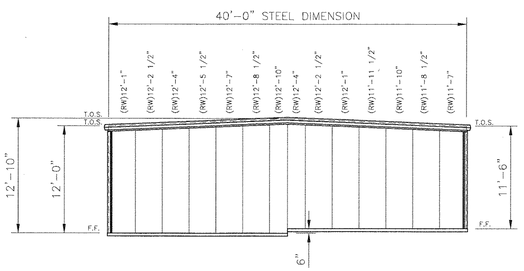
scale - 1/8" = 1'-0"



3 LEFT ELEVATION

scale - 1/8" = 1'-0"

DOOR SCHEDULE
A (28) EACH 12'-0" X 8'-0" ROLLUP DOOR



4 RIGHT ELEVATION

scale - 1/8" = 1'-0"

CONSTRUCTION	CJT	01/19/15
PRINTS ISSUED FOR	BY	DATE

BLDG 10-16

40 x 196 x 12-0 HS

LOCATION:

Laredo, TX 78041

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www.buildmetal.com
402 Hilltop River Huntington VA 23434
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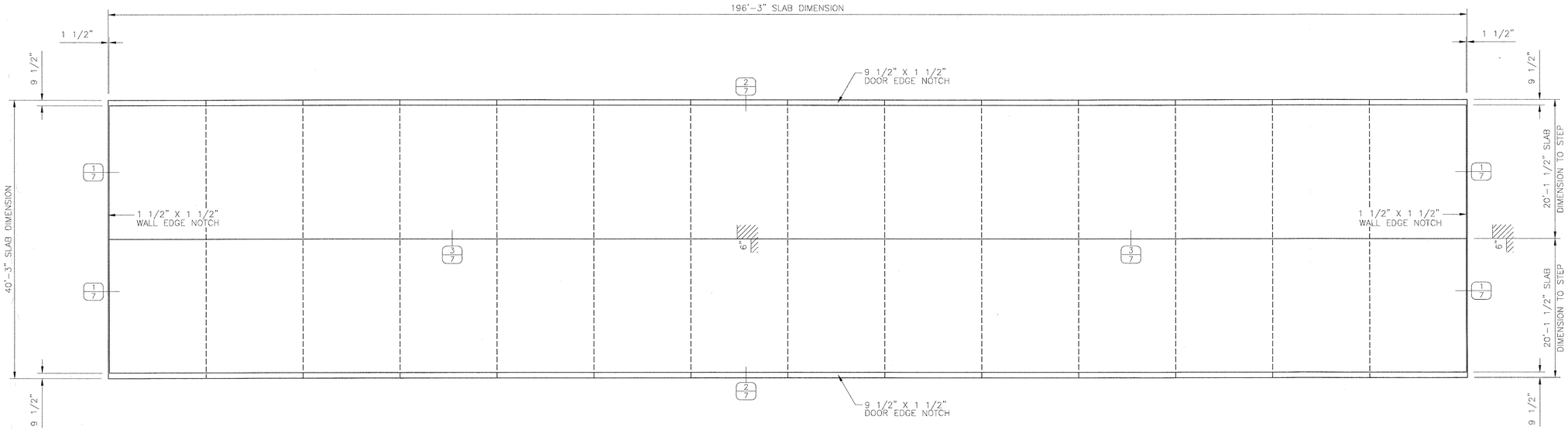
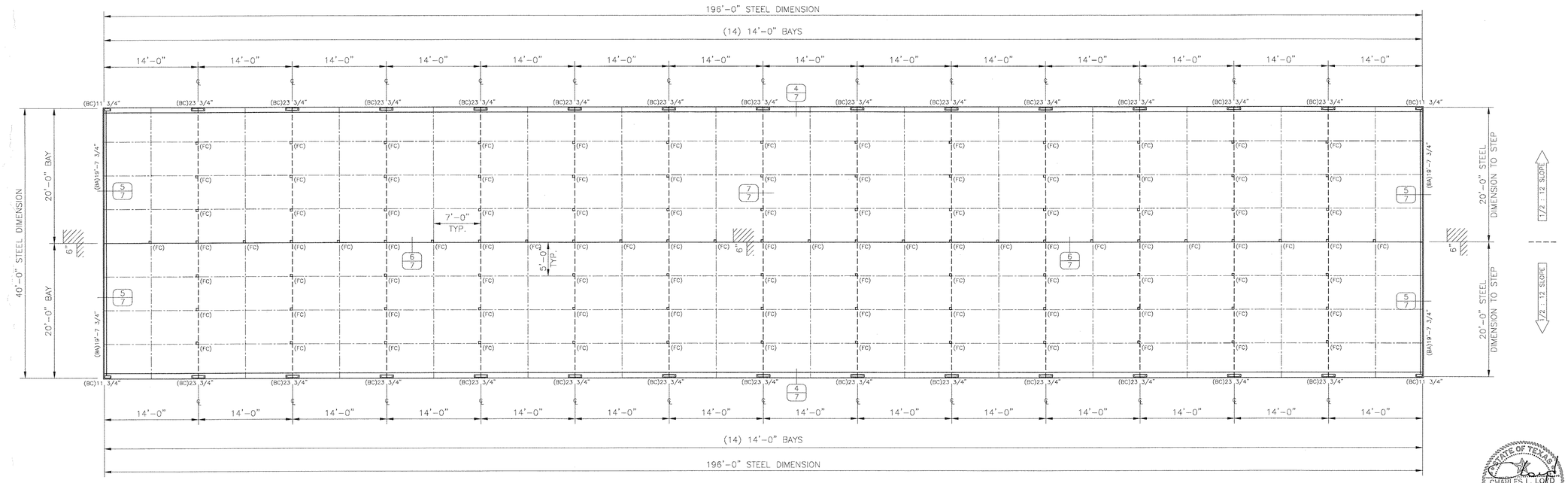
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698



SLAB PLAN

scale - 1/8" = 1'-0"



FLOOR PLAN

scale - 1/8" = 1'-0"

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2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15

DATE	BY	PRINTS ISSUED FOR
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BLDG 10-16

40 x 196 x 12-0 HS

LOCATION:

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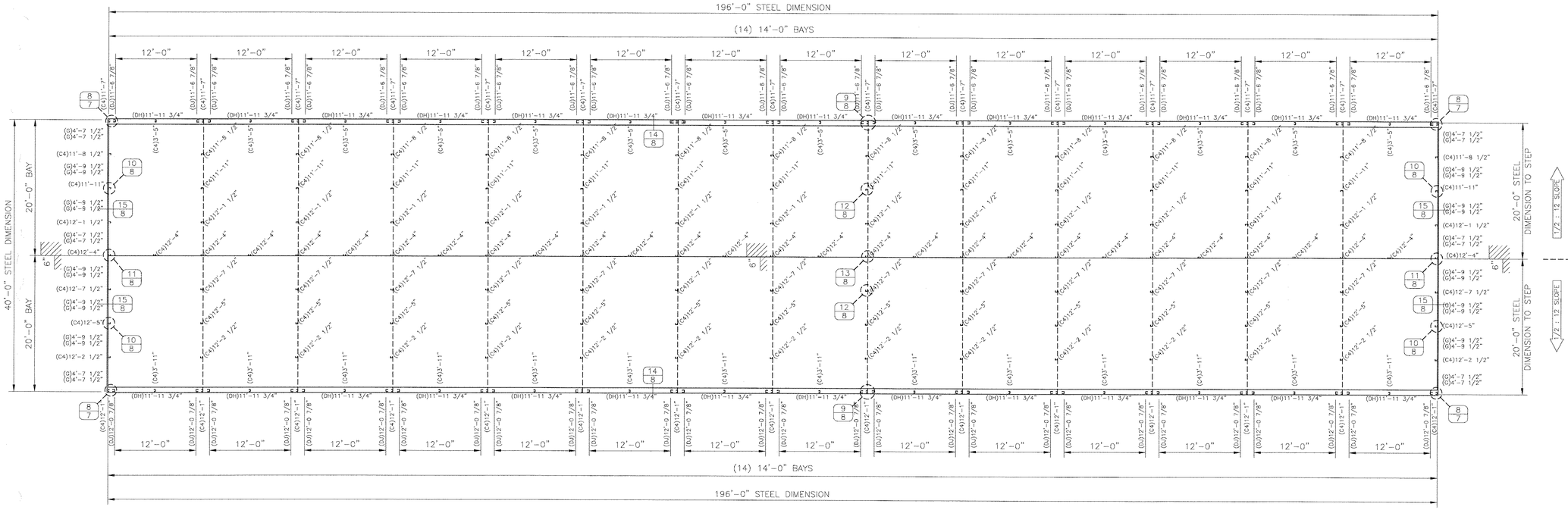

FRAMING PLAN

scale - 1/8" = 1'-0"

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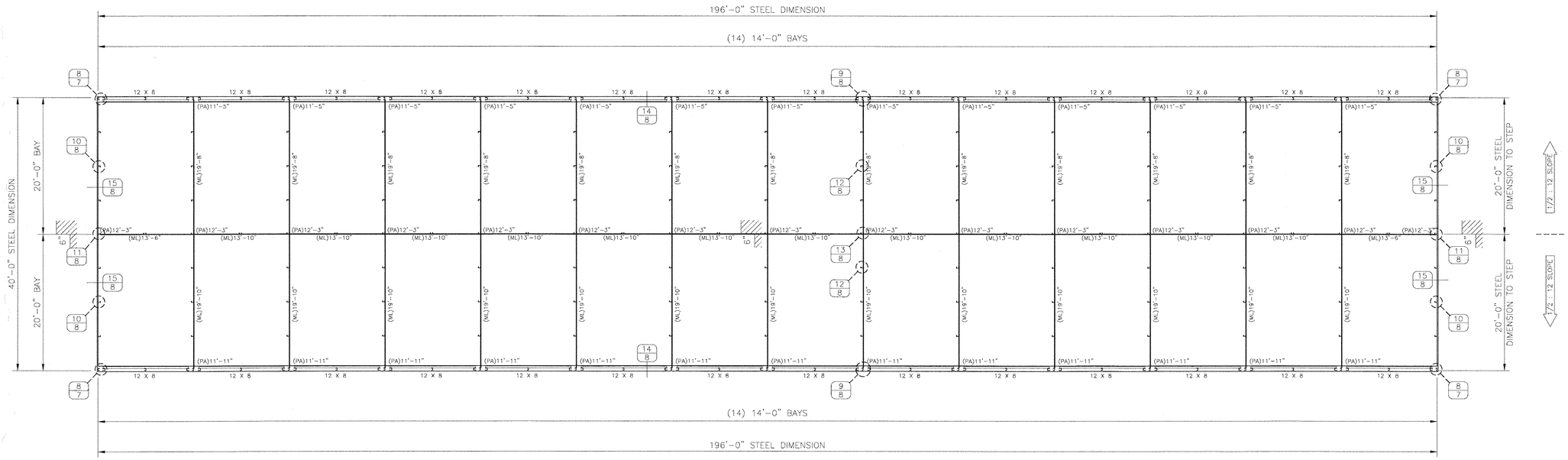
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698



PARTITION PLAN

scale - 1/8" = 1'-0"

CONSTRUCTION	CJT	01/19/15
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BLDG 10-16

40 x 196 x 12-0 HS

LOCATION:

Laredo, TX 78041

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www.buildmetal.com
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DWG #14-3223KCN

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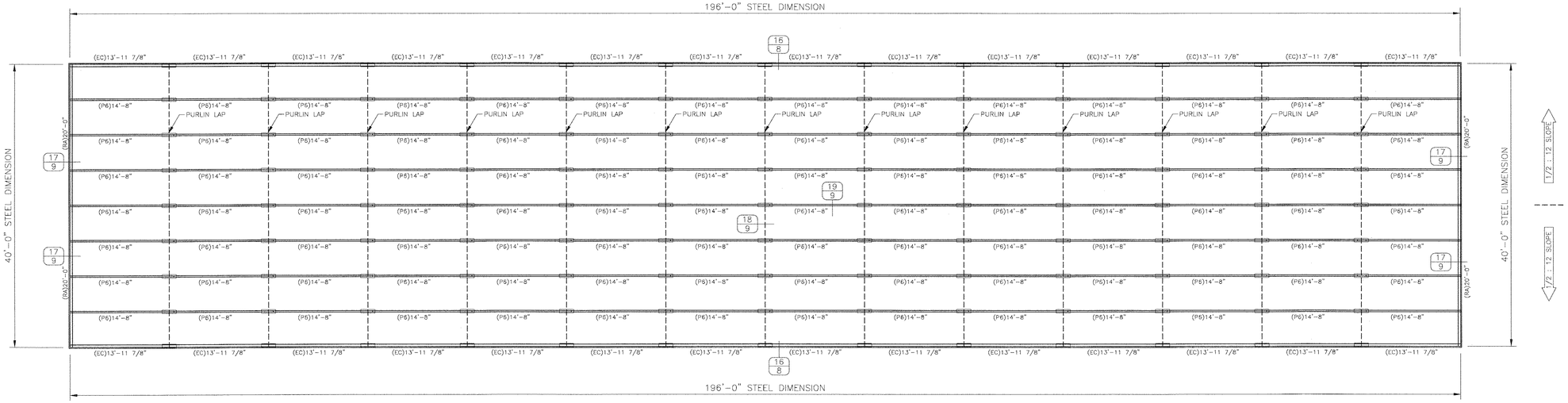
STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED PROFESSIONAL ENGINEER
1-29-15

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698



ROOF PLAN

scale - 1/8" = 1'-0"

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2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

	CONSTRUCTION PRINTS ISSUED FOR	CJT BY
		01/19/15 DATE

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LOCATION:

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402 Industrial Park Road Mt. Vernon, AR 72104
Phone 888.394.6579 Fax 540.427.6880

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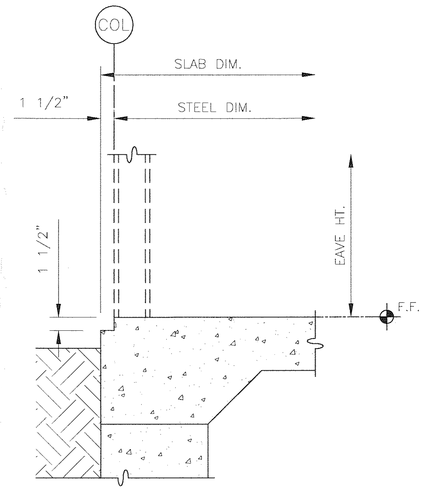
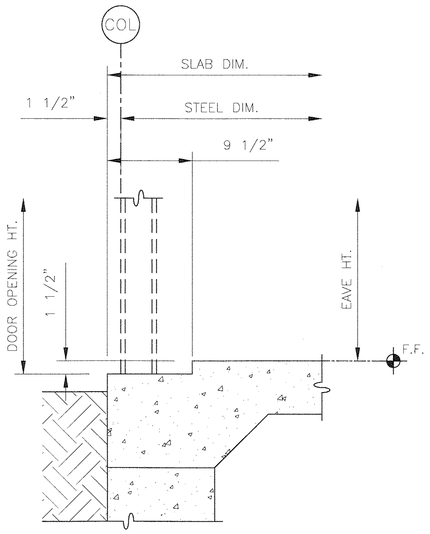
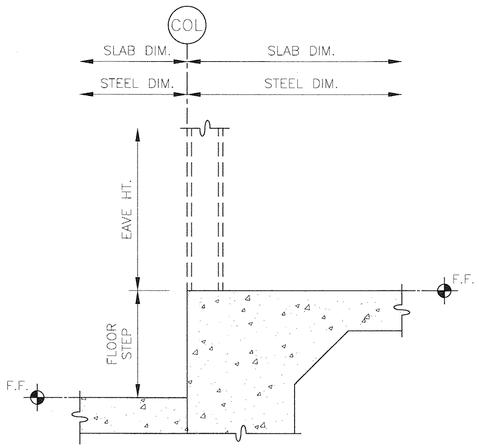


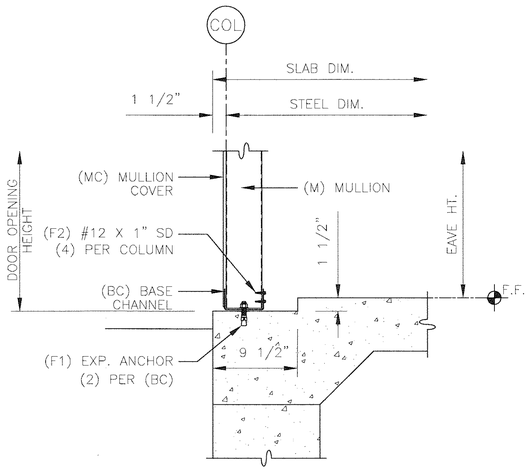
1 WALL EDGE SLAB NOTCH
1 1/2" X 1 1/2" NOTCH



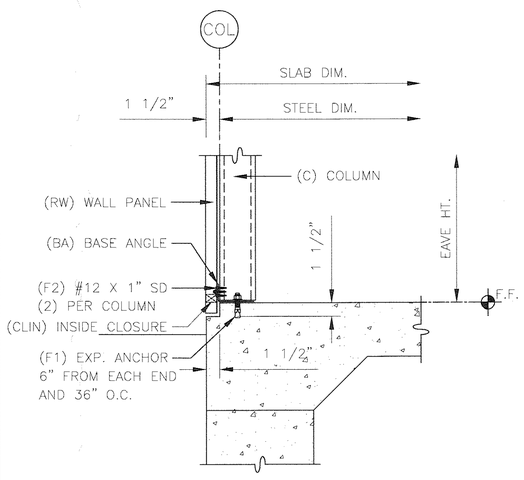
2 DOOR EDGE SLAB NOTCH
9 1/2" X 1 1/2" NOTCH



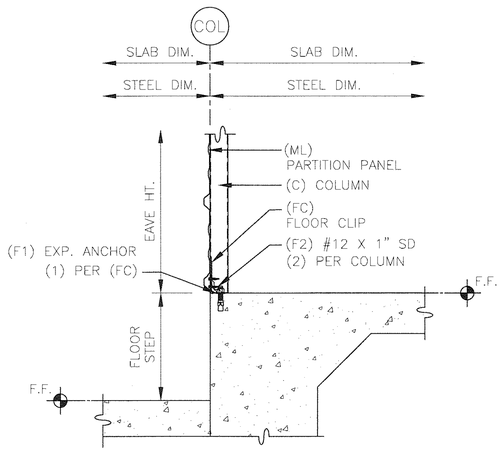
3 SLAB STEP



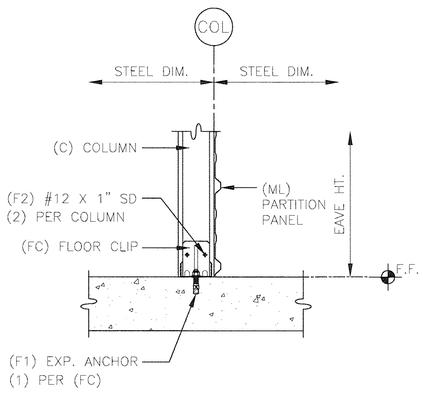
4 DOOR EDGE BASE



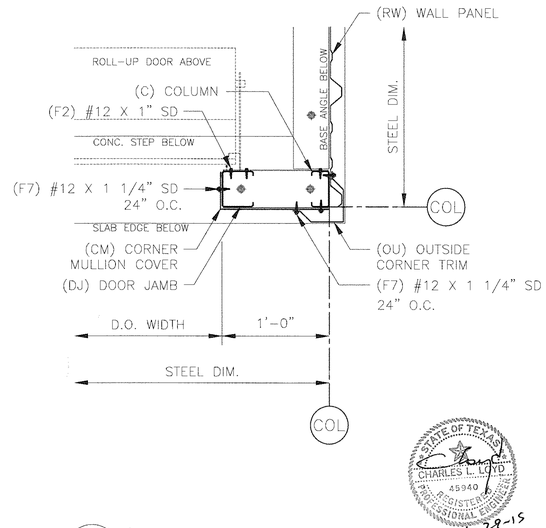
5 WALL EDGE BASE ANGLE



6 COLUMN FLOOR BASE ANGLE



7 COLUMN FLOOR BASE CLIP



8 DOOR JAMB – 12" CORNER

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

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PROJECT:
40 x 196 x 12-0 HS

LOCATION:
Laredo, TX 78041

Austin Building Systems, Inc.
www.austinmetal.com
402 Industry Drive Hutchinson, KS 67502
Phone 866.395.0979 Fax 540.427.6880

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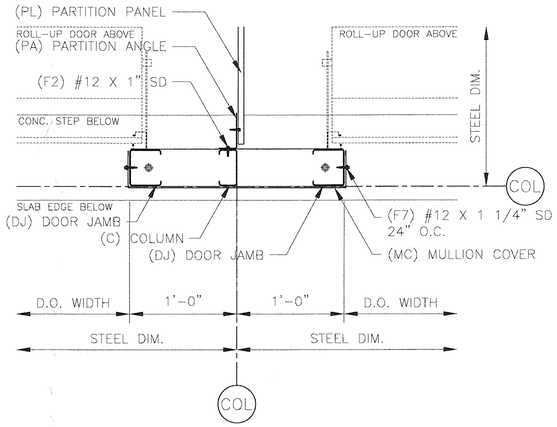
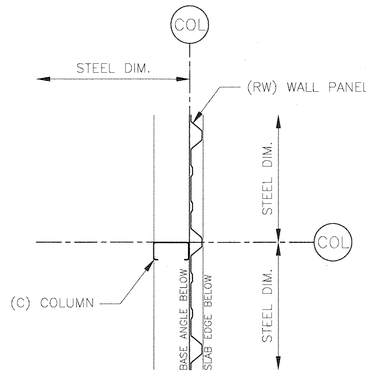
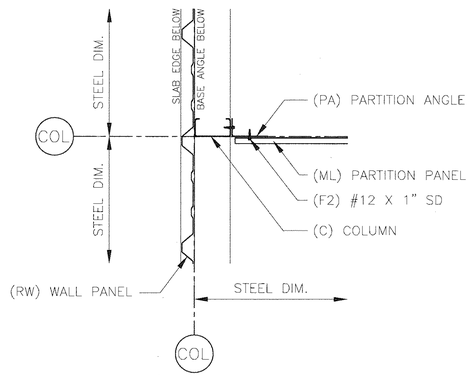


ERECTOR NOTE:
BASE CHANNEL IS 1/4" SHORTER THAN MULLION.
CENTER BASE CHANNEL ON CENTERLINE OF BAY.

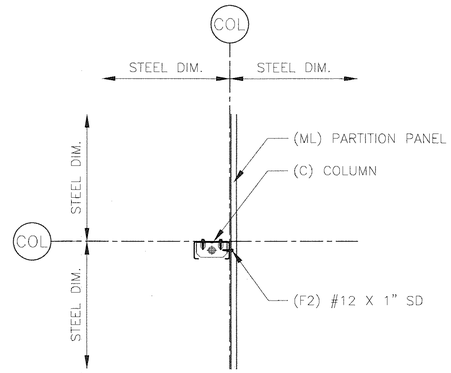
9 24" DOOR MULLION



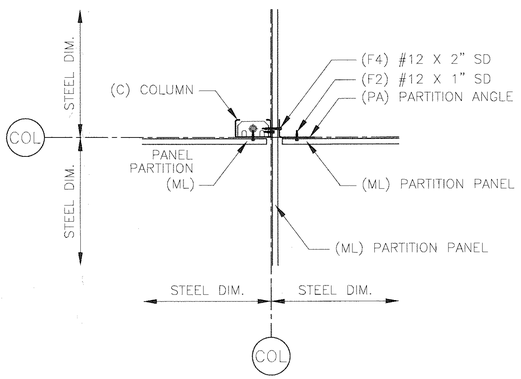
10 WALL



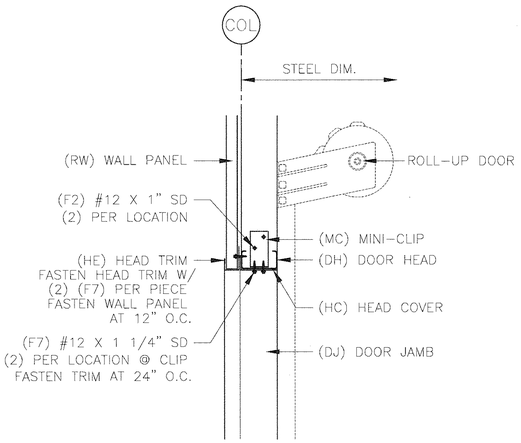
11 WALL WITH PARTITION



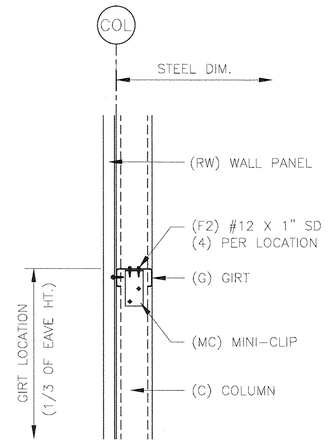
12 COLUMN CLIP



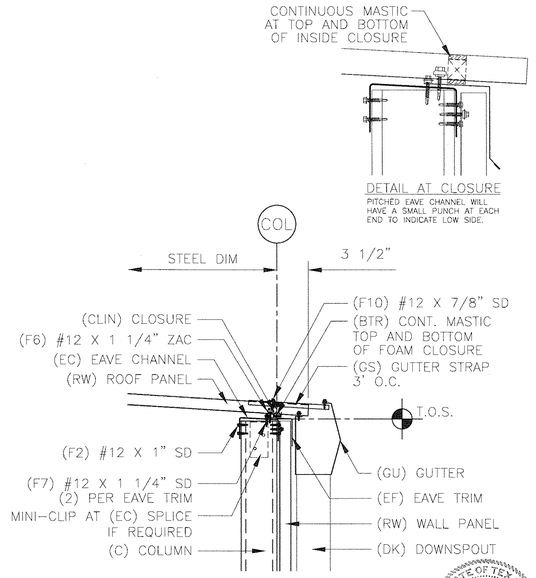
13 PARTITION CROSSING



14 DOOR HEAD



15 TYPICAL GIRT



16 LOW EAVE WITH GUTTER

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

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	BY	DATE

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40 x 196 x 12-0 HS

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Laredo, TX 78041

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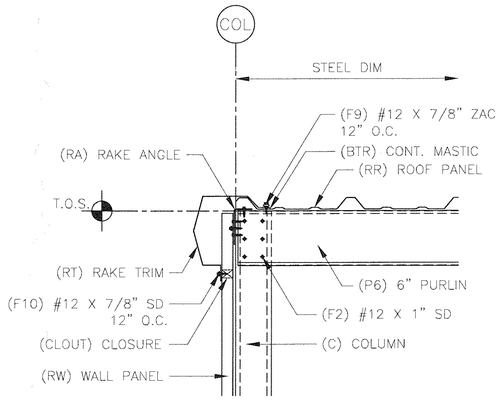
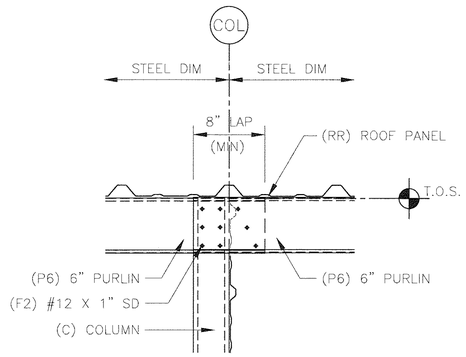
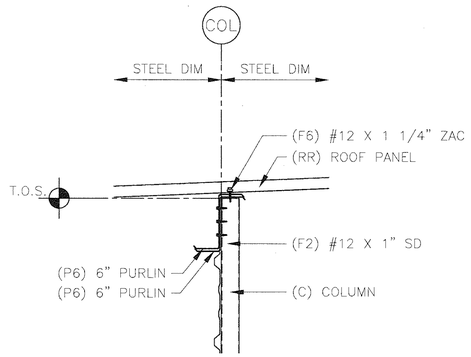


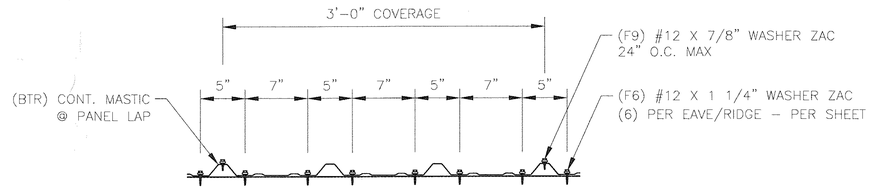
17 RAKE – 6" PURLIN



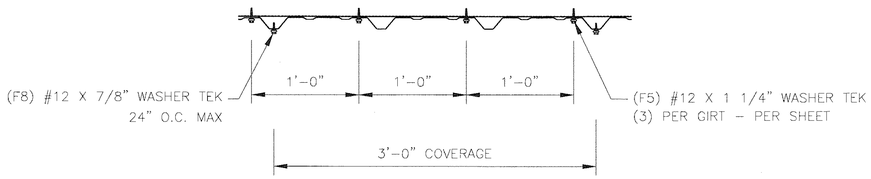
18 6" PURLIN LAP SIDE



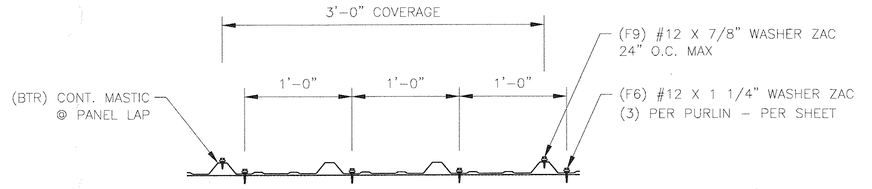
19 6" PURLIN LAP SECTION



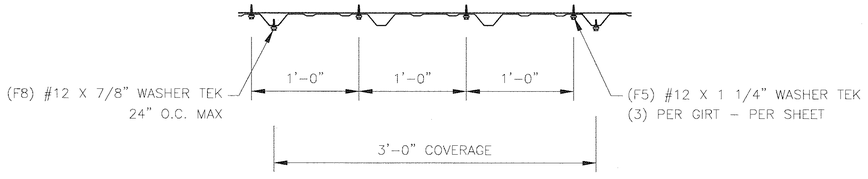
R–PANEL ROOF
EAVE AND RIDGE FASTENING



R–PANEL WALL
EAVE AND BASE FASTENING

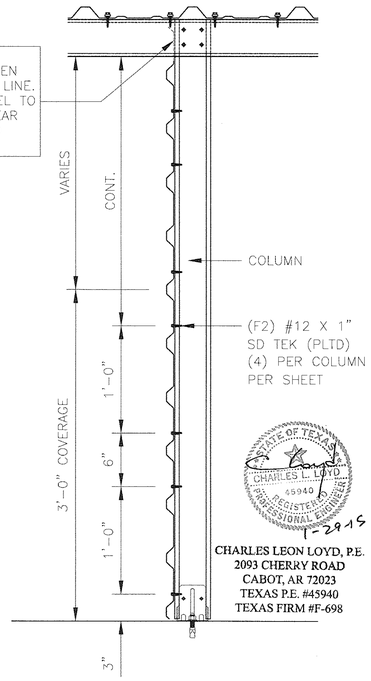


R–PANEL ROOF
PURLIN FASTENING



R–PANEL WALL
GIRT AND DOOR HEAD FASTENING

ERECTOR NOTE:
PARTITION PANELS HAVE BEEN SUPPLIED TO REACH ROOF LINE. NOTCH TOP PARTITION PANEL TO MATCH ROOF LINE AND CLEAR PURLIN LEG AS NEEDED TO CLOSE IN THE UNIT.



M–LOC PARTITION
SHEET FASTENING LAYOUT

	CONSTRUCTION PRINTS ISSUED FOR	CJT 01/19/15 BY DATE

PROJECT:
40 x 196 x 12–0 HS

LOCATION:
Laredo, TX 78041

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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-29-15
CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

GENERAL NOTES:

Temporary supports, such as temporary guys, braces, shoring, or other elements required for erection will be determined, furnished, and installed by the erector.
It is the contractor's responsibility to apply and observe all pertinent safety rules and regulations, and per OSHA standards as applicoble.
Joints need to be tightened to the snug tight condition, defined as "the tightness attained by a few impacts of an impact wrench or the full effort of an ironworker using an ordinary spud wrench to bring the plies into firm contact." Firm contact is further defined as "the condition when the plies are solidly seated against each other, but not necessarily in continuous contact." Per AISC ond Research Council on Structural Connections (RCSC), as long as the bolt holes are not oversized or slotted, snug tightened bolts are permitted in all low-rise buildings except for the supporting structure for cranes over 5-ton capacity or other machinery or equipment where live loads produce impact or reversal of stress. Where snug-tightened bolts are not permitted a direct tension method must be used, for example turn of the nut method.
Consult latest edition of the AISC Manual of Steel Construction for more complete instructions for installing high strength bolts.
Members such as light gauge coldformed angle, panels, and trim/flashing may require field modification. Girts should be field slotted in web only for bracing when the bracing intersects the girts. All required field modifications should be minimized to have the leost possible effect on the provided materials.
DO NOT WALK ON SKYLIGHTS. Skylights are not designed to support foot traffic or any other point load. Skylights shall not be used as storage areas. The erector shall take measures to insure that the skylights are not stepped or walked on.
No changes shall be made to this building system unless approved in writing by the manufacturer's engineering department. Unopproved changes may result in an unsafe building design and may endanger public safety.
Manufacturer specifies anchor bolt diameters only based on A36 ASTM designation. Bolt length to be determined by the foundation engineer.
Panel ends must not bear against any surface.
Do not allow insulation to wick moisture. Never cut the insulation off even with the edge of the panels. Trim excess fiberglass and vapor barrier back at least 1" above the bottom of all wall panels. Fold vapor barrier back over fiberglass 3" to 6" at eave on roof stop insulation short of outside edge of eave strut. Moist or wet insulation will damage panels and void any panel warranty.
All fabricated materials, which are not coated with a long life coating, are coated with a single coat of primer that complies with TT-P-636 and TT-P-664. The primer is intended to protect the materials from short term exposure to mild weather conditions. Materials should not be subjected to harsh weather conditions or long term exposure to any weather. Neither dirt, water, nor any other matter should be allowed to sit on the primer.
All materials should be handled and stored in a manner to protect it from damage and weathering. All bundled materials should be elevated above the ground and air should be allowed to flow around the materials. If bundles are exposed to weather measures should be taken to ensure that all materials are completely dry prior to storage.
Adequate support should be given to all members during the unloading, storage, and erection processes to ensure members are not damaged. This includes, but is not limited to, damage from scrapes, dings, dents, abrasions, crushing, creasing, and bending.
Additional information can be found in the current MBMA – Metal Building Systems Manual and the current AISC – Code of Standard Practice.
The installation location for field located openings and all accessories should be determined by the building owner prior to installation.

Materials	ASTM Designation	Minimum Yield
Structural Web Plate	A572 or A1011	55 KSI
Structural Flange Plate	A572 or A1011	55 KSI
Hot Rolled Mill Shapes	A36, A572, or A992	36 KSI or 50 KSI
Bolts	A307 and A325	
Brace Rods	A572	55 KSI
Cable Bracing	A475	55 KSI
Cold Formed Structural Shapes	A1011	55 KSI
Roof Sheets	A792	80 KSI
Wall Sheets	A792	80 KSI

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: Light Stone

TRIM COLORS:

GABLE/EAVE: Koko Brown

CORNER: Koko Brown

FRAMED OPENINGS: N/A

DOWNSPOUTS: Koko Brown

LINER:

Panels: N/A

Trim: N/A

CHARLES LEON LOYD, P.E.
2093 CHERRY ROAD
CABOT, AR 72023
TEXAS P.E. #45940
TEXAS FIRM #F-698

Austin
BUILDING SYSTEMS, INC.

402 HILLTOP DRIVE HUDDLESTON, VA 24104
PHONE: (540) 297-1300 (888) 399-6079
FAX: (540) 297-1177

Austin Building Systems, Inc.
100'-0" x 100'-0" x 16'-0"
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-22-15

JOB NUMBER: 1002623

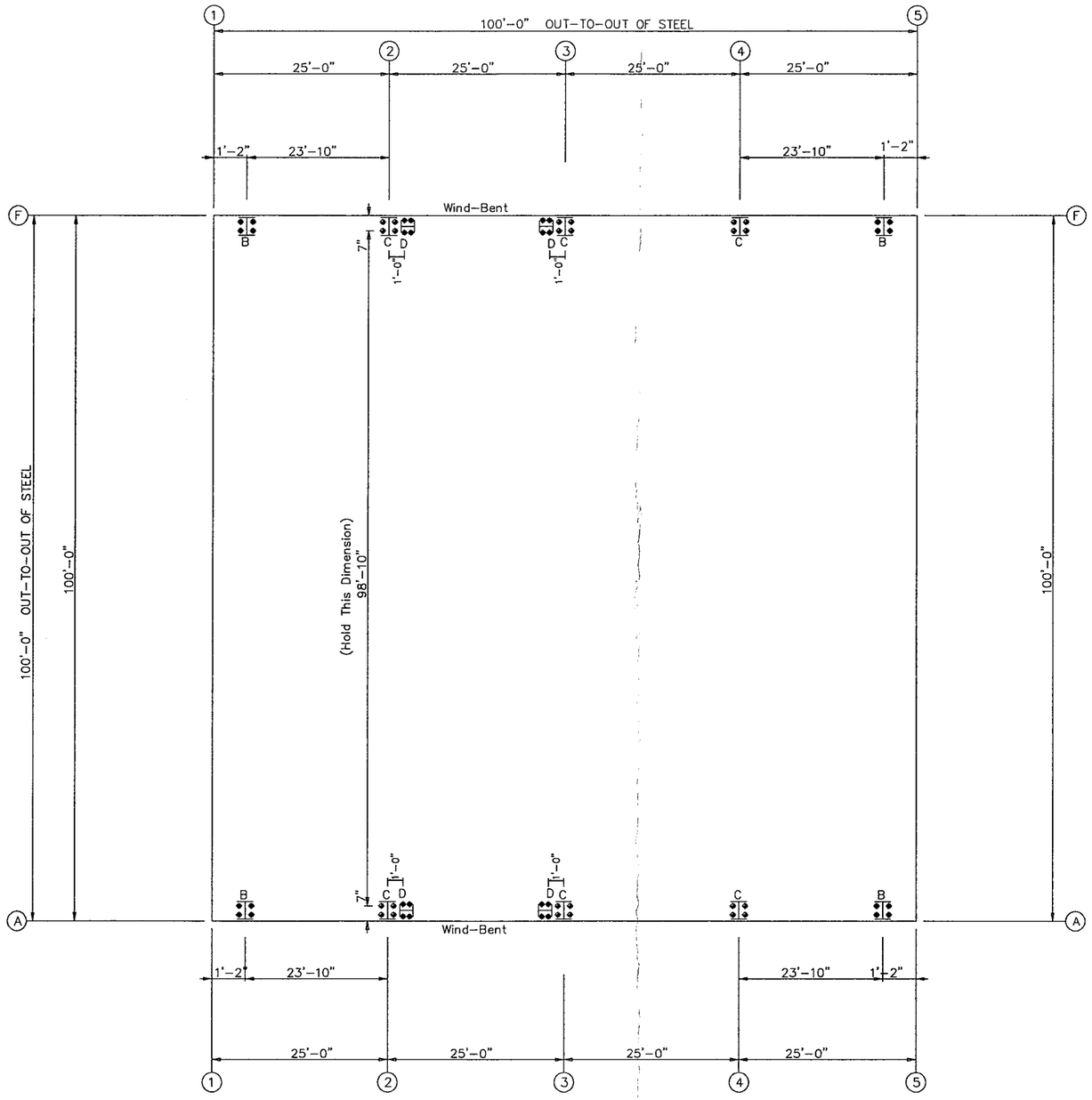
Design Data

1. This structure is designed utilizing the loads indicated and applied as required by: IBC 2012
2. The contractor is to confirm that these loads comply with the requirements of the local building department.
3. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
4. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay.
5. Building design based on the following loading data:

Design Loads:					
Building Occupancy Category:	II - Standard Building				
Dead Load:	Metal Building Structure Only				
Live Load:	20.0 psf *(Reducible)*	*Live Load Reduction (if allowed) is per code*			
Ground Snow:	0.0 psf	C_e = 1.00	C_t = 1.20	I_s = 1.00	
Roof Snow:	0.0 psf				
Collateral Load:	1.0 psf				
Wind Speed:	115 mph (ultimate wind speed)				
Wind Enclosure/Exposure Category:	Enclosed	Exp = B	Risk Category: II		
Internal Pressure Coeff.:	GC_{pi} = +/-0.18				

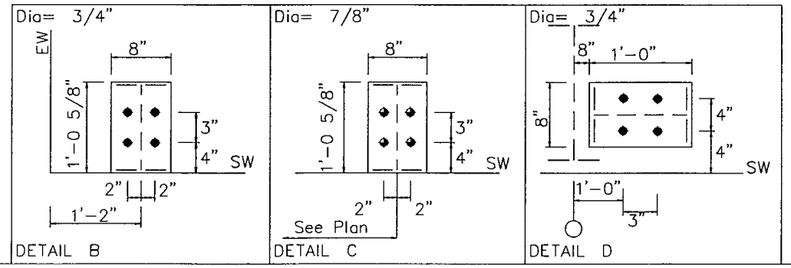
Seismic Data:				
Seismic Design Category:	A		Seismic Importance Factor:	1.00
Occupancy Category	II		Site Class (assumed):	D
Spectral Response Accelerations:	Ss = 5.2% g ,	S1 = 1.8% g	Seismic Response Coefficient, C_s:	0.018
Spectral Response Coefficients:	Sds = 0.055 ,	Sd1 = 0.029		

Basic Seismic Force Resisting System:				
Resisting System Key				
Ordinary Steel Moment Frames (OSMF)	*Laterally*	Left Endwall :	OSMF	R = 3.00
Concentrically Braced Frames (CBF)		Right Endwall :	OSMF	R = 3.00
Cantilevered Columns (CC)		Interior Frames :	OSMF	R = 3.00
Transferred to front sidewall (TFSW)	*Longitudinally*	Front Sidewall :	OSMF	R = 3.00
Transferred to back sidewall (TBSW)		Back Sidewall :	OSMF	R = 3.00
Design Base Shear:	$V_{Longitudinally}$ =	Front Sidewall :	0.52 k	
(Equivalent Lateral Force Procedure)		Back Sidewall :	0.52 k	
	$V_{Laterally}$ =	Maximum Lateral :	0.24 k	



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)



ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
24	Frame	7/8"	A307	2.50
16	Frame	3/4"	A307	2.50
16	WindCol	3/4"	A307	2.50

	DESCRIPTION	DATE	DRWN	CK'D
0	For Construction	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE NTS
APPROVED BY

PHONE NUMBER 540-297-1300

WORK ORDER NUMBER 107318

JOB NUMBER 1002623

SHEET NUMBER A1 OF A2

General Construction Notes:
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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-22-15

NOTES FOR REACTIONS

Maximum looding conditions used in building design:

1 DL+CL+LL
2 0.60DL+0.60WL1
3 0.60DL+0.60WR1
4 1.01DL+1.01CL−0.52SeisL
5 0.60DL+0.60WR2+0.60WS
6 0.60DL+0.60WR2+0.60WP

The reactions shown are unfactored.
All loads are provided and applied per the contract and/or the applicoble building code.

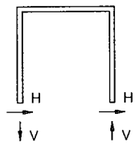
BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Ponel Shear (lb/ft)
L_EW	1	Rigid Frame At Endwall					
F_SW	A	Wind Bent In Wall					
R_EW	5	Rigid Frame At Endwall					
B_SW	F	Wind Bent In Wall					

GENERAL NOTES

1. NO CHANGES SHALL BE MADE TO THIS BUILDING SYSTEM UNLESS APPROVED IN WRITING BY THE MANUFACTURER'S ENGINEERING DEPARTMENT. UNAPPROVED CHANGES WILL RESULT IN AN UNSAFE BUILDING DESIGN AND WILL ENDANGER PUBLIC SAFETY.
2. MANUFACTURER SPECIFIES ANCHOR BOLT DIAMETERS ONLY BASED ON A A36 ASTM DESIGNATION BOLT. LENGTH TO BE DETERMINED BY FOUNDATION ENGINEER.
3. DO NOT ALLOW INSULATION TO WICK MOISTURE. NEVER CUT THE INSULATION OFF EVEN WITH THE EDGE OF THE PANELS. TRIM EXCESS FIBERGLASS AND VAPOR BARRIER BACK AT LEAST 1" ABOVE THE BOTTOM OF ALL WALL PANELS. FOLD VAPOR BARRIER BACK OVER FIBERGLASS 3" TO 6" AT EAVE ON ROOF STOP INSULATION SHORT OF OUTSIDE EDGE OF EAVE STRUT. INSULATION WHICH WICKS MOISTURE WILL DAMAGE PANELS AND VOID ANY PANEL WARRANTY.

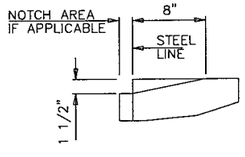
WIND BENT REACTIONS



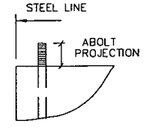
Wall Loc	Wall Line	Col Line	± Reactions Wind(k) Horz	Wind(k) Vert	Seismic(k) Horz	Seismic(k) Vert	Anc_Bolt Qty	Anc_Bolt Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick
F_SW	A	2	3.3	4.2	0.3	0.3	4	0.750	8.000	12.000	0.500
F_SW	A	3	3.3	4.2	0.3	0.3	4	0.750	8.000	12.000	0.500
B_SW	F	3	3.3	4.2	0.3	0.3	4	0.750	8.000	12.000	0.500
B_SW	F	2	3.3	4.2	0.3	0.3	4	0.750	8.000	12.000	0.500

ERECTION NOTES:

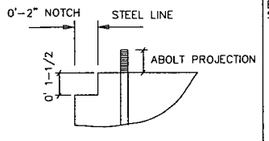
1.) This building has been designed with a 1-psf collateral load. Please ensure that this is adequate for any lighting, ceilings, and other load inducing systems anticipated for this building.



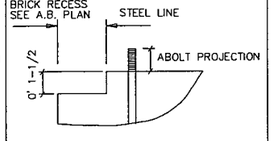
SLAB SLOPE DETAIL
(TYPICIAL @ OVERHEAD DOORS)



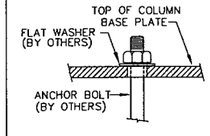
ANCHOR BOLT PROJECTION DETAIL
(WITHOUT SHEET RECESS IF APPLICABLE)
(SEE ANCHOR BOLT PLAN LAYOUT)



ANCHOR BOLT PROJECTION DETAIL
(WITH SHEET RECESS IF APPLICABLE)
(SEE ANCHOR BOLT PLAN LAYOUT)



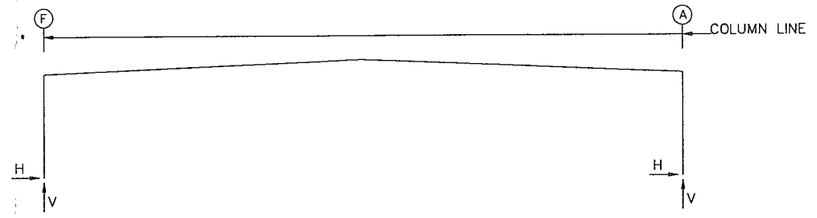
ANCHOR BOLT PROJECTION DETAIL
(WITH BRICK RECESS IF APPLICABLE)
(SEE ANCHOR BOLT PLAN LAYOUT)



BOLT DETAILS AT BASE PLATE

NOTE: FLAT WASHERS MUST BE INSTALLED BETWEEN TOP OF COLUMN BASE PLATE AND ANCHOR BOLT NUT

FRAME LINES: 1 2 3 4 5



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions (k) Load ID	Hmax H	V Vmax	Load ID	Hmin H	V Vmin	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
1*	F	1	12.6	11.3	2	−7.7	−6.9	4	0.750	8.000	12.63	0.500	0.0
1*	A	3	7.7	−6.9	1	−12.6	11.3	4	0.750	8.000	12.63	0.500	0.0
		1	−12.6	11.3	3	7.7	−6.9						
1*	Frame lines: 1 5												

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions (k) Load ID	Hmax H	V Vmax	Load ID	Hmin H	V Vmin	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
2*	F	1	24.0	20.7	2	−10.4	−9.0	4	0.875	8.000	12.63	0.500	0.0
2*	A	3	10.4	−9.0	1	−24.0	20.7	4	0.875	8.000	12.63	0.500	0.0
		1	−24.0	20.7	3	10.4	−9.0						
2*	Frame lines: 2 3 4												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert	Wind_L2 Horiz	Wind_L2 Vert
2*	F	4.6	4.5	1.5	1.3	17.9	15.0	−22.0	−19.4	−16.7	−14.7	−12.6	−10.4
2*	A	−4.6	4.5	−1.5	1.3	−17.9	15.0	16.7	−14.7	22.0	−19.4	7.3	−5.6
1*	F	2.7	2.8	0.8	0.7	9.1	7.9	−15.5	−14.3	−11.4	−10.2	−10.8	−9.5
1*	A	−2.7	2.8	−0.8	0.7	−9.1	7.9	11.4	−10.2	15.5	−14.3	6.7	−5.4

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	LnWind1 Horiz	LnWind1 Vert	LnWind2 Horiz	LnWind2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
2*	F	−7.3	−5.6	−14.8	−14.8	−14.8	−14.8	−0.1	0.0	0.1	0.0
2*	A	12.6	−10.4	14.8	−14.2	14.8	−14.2	−0.1	0.0	0.1	0.0
1*	F	−6.7	−5.4	−9.4	−10.4	−9.4	−10.4	−0.1	0.0	0.1	0.0
1*	A	10.8	−9.5	9.6	−8.3	9.6	−8.3	−0.1	0.0	0.1	0.0

2* Frame lines: 2 3 4
1* Frame lines: 1 5

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions (k) Load ID	Hmax H	V Vmax	Load ID	Hmin H	V Vmin	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
1	E	5	0.4	0.0	6	−0.4	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
1	D	5	0.5	0.0	6	−0.5	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
1	C	5	0.5	0.0	6	−0.5	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
1	B	5	0.4	0.0	6	−0.4	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
5	B	5	0.4	0.0	6	−0.4	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
5	C	5	0.5	0.0	6	−0.5	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
5	D	5	0.5	0.0	6	−0.5	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									
5	E	5	0.4	0.0	6	−0.4	0.0	2	0.625	8.000	8.250	0.375	150
		4	0.0	0.0									

0	For Construction	1/13/15	JCW	JCW
	DESCRIPTION	DATE	DRWN	CK'D

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE NTS | APPROVED BY
PHONE NUMBER 540-297-1300
WORK ORDER NUMBER 107318
JOB NUMBER 1002623
SHEET NUMBER A2 OF A2

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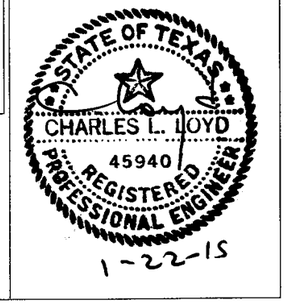


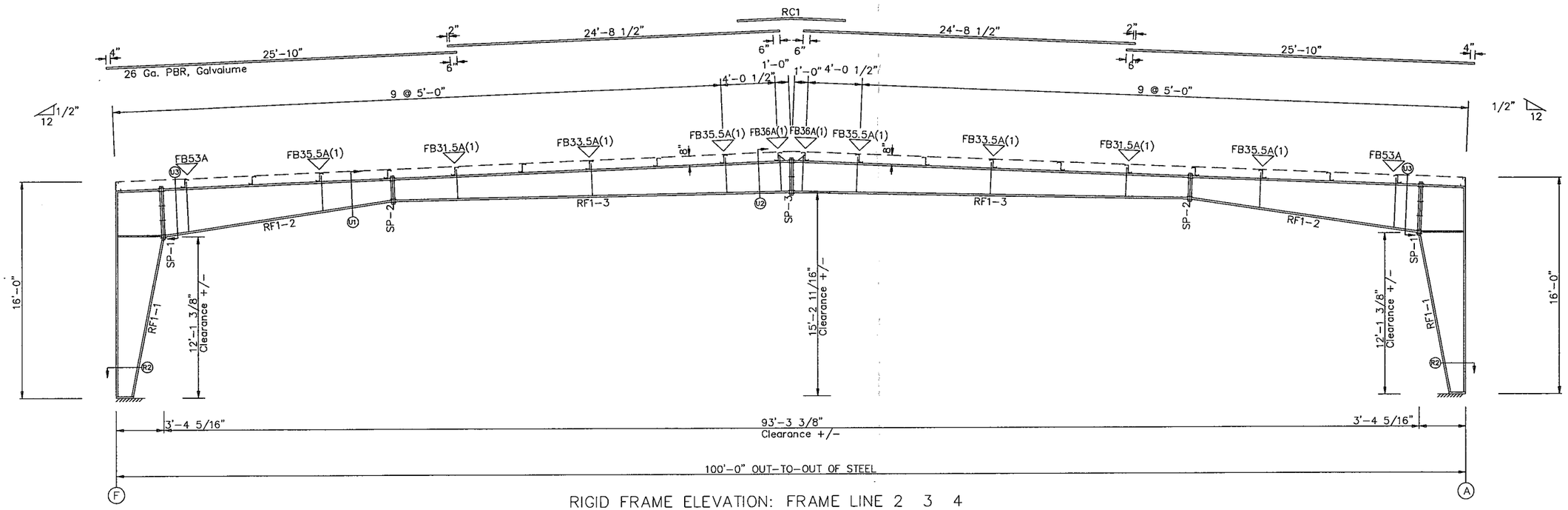
SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	4	A325	0.750	2.25	8"	5/8"	3'-11 5/8"
SP-2	4	4	0	A325	0.750	1.75	8"	3/8"	2'-1 5/8"
SP-3	4	4	2	A325	0.750	2.00	6"	1/2"	2'-9 5/8"

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - A15151/8

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	11.8/16.5	0.250	24.0	8 x 1/4" x 183.2	8 x 5/16" x 143.8
	16.5/39.8	0.250	160.8	8 x 1/4" x 38.2	
RF1-2	39.8/20.4	0.250	180.0	8 x 1/4" x 204.5	8 x 5/16" x 205.6
	20.4/17.8	0.250	24.5		
RF1-3	17.8/21.8	0.188	180.0	6 x 1/4" x 174.0	6 x 1/4" x 240.0
	21.8/25.8	0.135	175.3	6 x 5/16" x 181.3	6 x 1/4" x 114.3



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

DESCRIPTION	DATE	DRWN	CK'D
0 For Permit	1/13/15	JCW	JCW

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Laredo, TX 78043

SCALE NTS
APPROVED BY
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WORK ORDER NUMBER 107318
JOB NUMBER 1002623
SHEET NUMBER E1 OF E7

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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
5-1-15

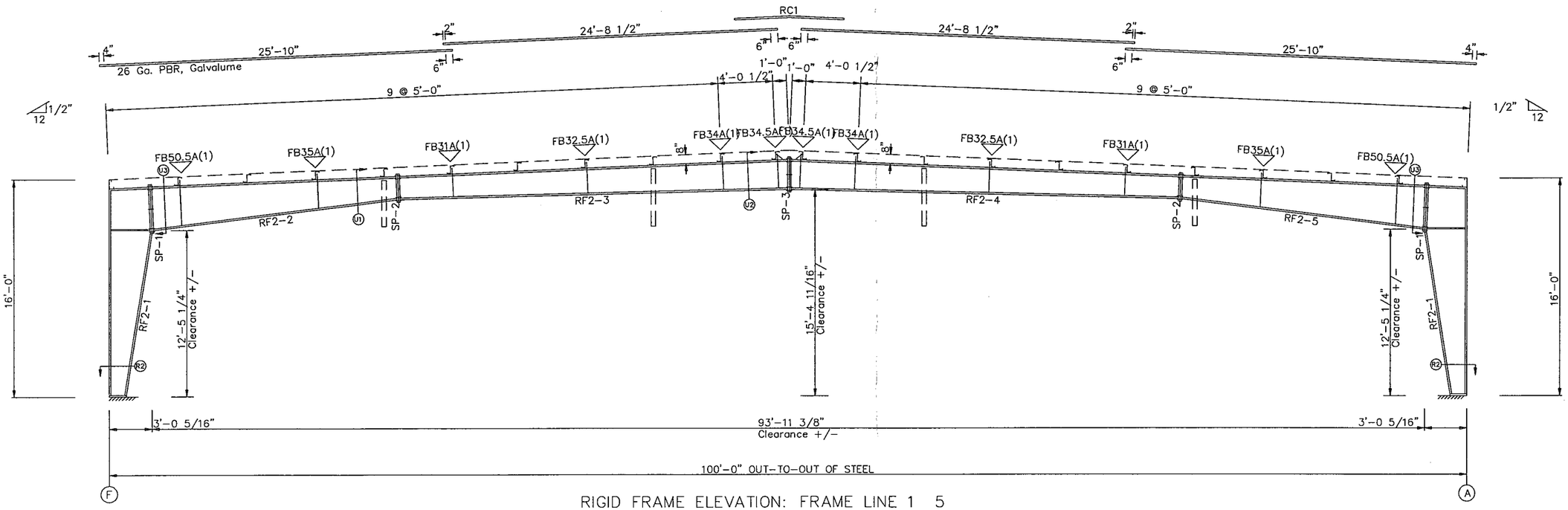
SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Bat	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	2	A325	0.750	2.00	6"	1/2"	3'-7 5/8"
SP-2	4	4	0	A325	0.750	1.75	6"	3/8"	2'-1 1/2"
SP-3	4	4	2	A325	0.750	1.75	6"	3/8"	2'-7 5/8"

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A = A15151/8

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	11.8/15.7	0.188	24.0	6 x 1/4" x 183.2	6 x 5/16" x 147.0
	15.7/35.8	0.188	160.7	6 x 1/4" x 34.4	
RF2-2	35.8/20.8	0.188	180.0	6 x 1/4" x 216.8	6 x 1/4" x 217.5
	20.8/17.8	0.188	36.8		
RF2-3	17.8/20.9	0.135	180.0	6 x 1/4" x 240.0	6 x 1/4" x 240.0
	20.9/23.8	0.135	167.2	6 x 1/4" x 107.2	6 x 1/4" x 106.3
RF2-4	23.8/20.9	0.135	167.2	6 x 1/4" x 107.2	6 x 1/4" x 106.3
	20.9/17.8	0.135	180.0	6 x 1/4" x 240.0	6 x 1/4" x 240.0
RF2-5	17.8/20.8	0.188	36.8	6 x 1/4" x 216.8	6 x 1/4" x 217.5
	20.8/35.8	0.188	180.0		



RIGID FRAME ELEVATION: FRAME LINE 1 5

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

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Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE NTS
APPROVED BY
PHONE NUMBER 540-297-1300
WORK ORDER NUMBER 107318
JOB NUMBER 1002623
SHEET NUMBER E2 OF E7

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STATE OF TEXAS
CHARLES L. LOYD
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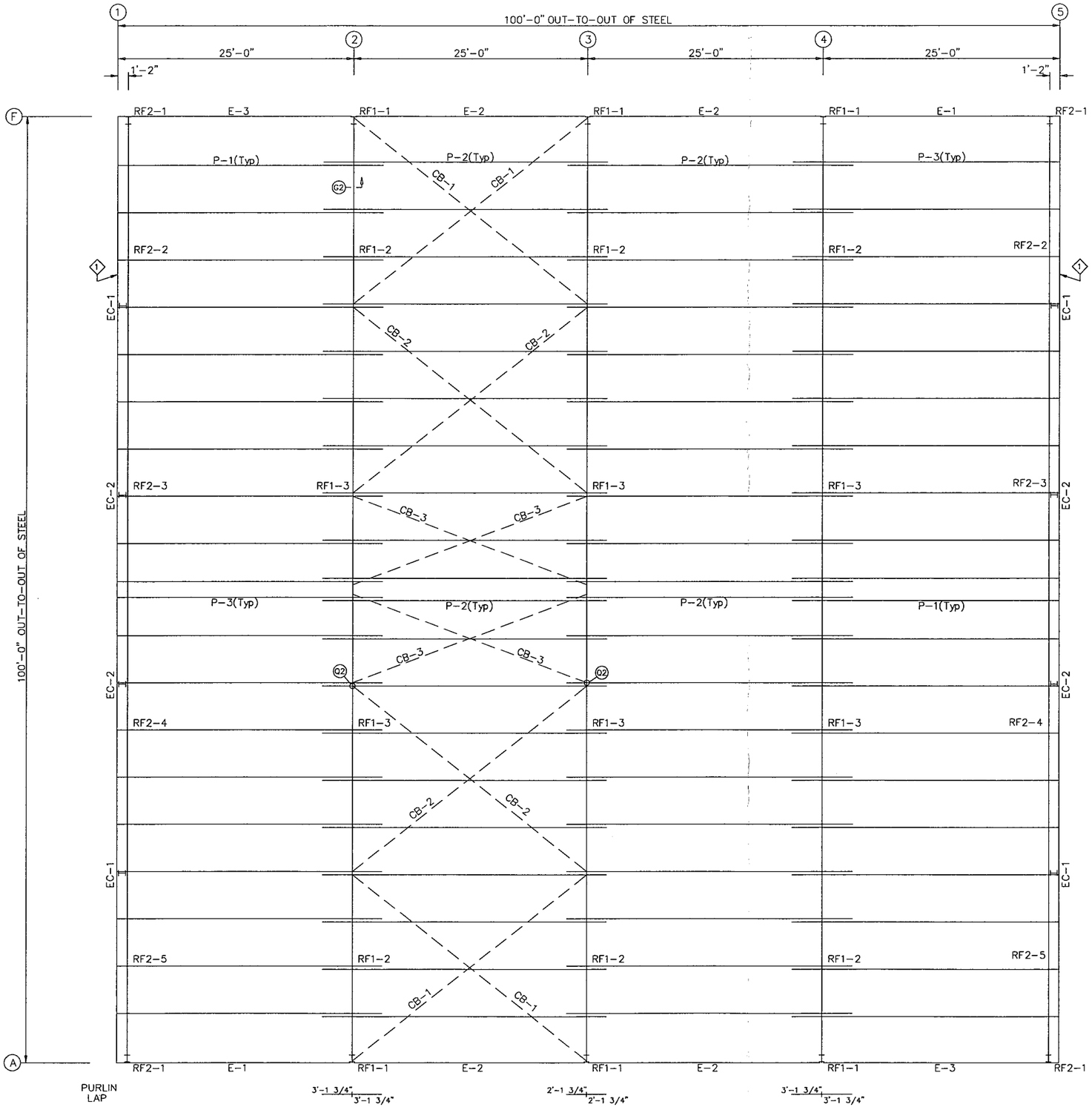
REGISTERED
PROFESSIONAL ENGINEER
1-22-15



ROOF FRAMING PLAN

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z13	28'-1 1/2"
P-2	8X25Z16	30'-3 1/2"
P-3	8X25Z13	28'-1 1/2"
E-1	8DHU14	24'-11 1/2"
E-2	8DHU14	24'-11 1/2"
E-3	8DHU14	24'-11 1/2"
CB-1	HCAB516	29'-10"
CB-2	HCAB14	29'-10"
CB-3	HCAB14	25'-1"

ANGLE TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	RA	20'-0"

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE	NTS
APPROVED BY	
PHONE NUMBER	540-297-1300
WORK ORDER NUMBER	107318
JOB NUMBER	1002623
SHEET NUMBER	E3 OF E7

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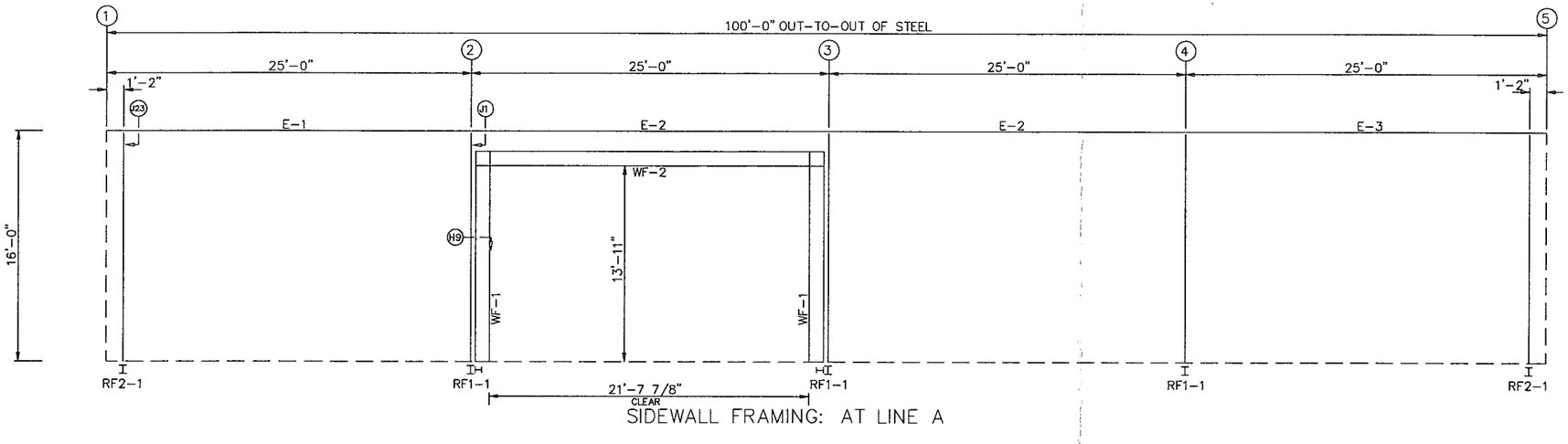
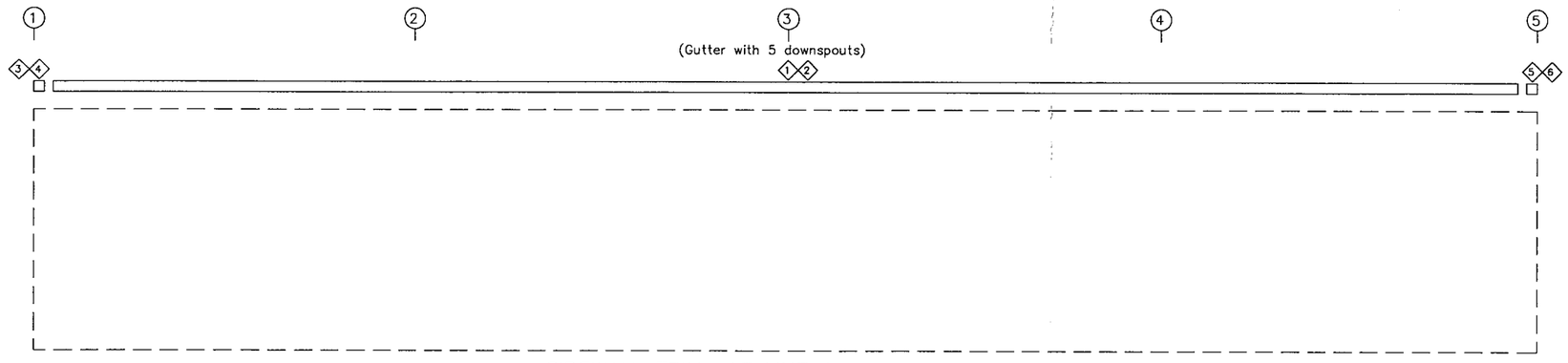
REGISTERED PROFESSIONAL ENGINEER
1-22-15



SIDEWALL FRAMING: AT LINE A



SIDEWALL TRIM: AT LINE A

BOLT TABLE
AT LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-2	8	A325	3/4"	1 3/4"

TRIM TABLE
AT LINE A

◇ID	MARK	LENGTH	DETAIL
1	G.5	20'-3"	SG0
2	EA1	10'-3"	
3	GC.5L	1"	
4	CBOX-L	2"	
5	GC.5R	1"	
6	CBOX-R	2"	

MEMBER TABLE
AT LINE A

MARK	PART	LENGTH
WF-1	W12543	14'-11"
WF-2	W12643	21'-7 5/8"
E-1	8DHU14	24'-11 1/2"
E-2	8DHU14	24'-11 1/2"
E-3	8DHU14	24'-11 1/2"

DESCRIPTION	DATE	DRWN	CK'D
0 For Permit	1/13/15	JCW	JCW

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SCALE	APPROVED BY
NTS	

PHONE NUMBER
540-297-1300

WORK ORDER NUMBER
107318

JOB NUMBER
1002623

SHEET NUMBER
E4 OF E7

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STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-22-15

BOLT TABLE
AT LINE F

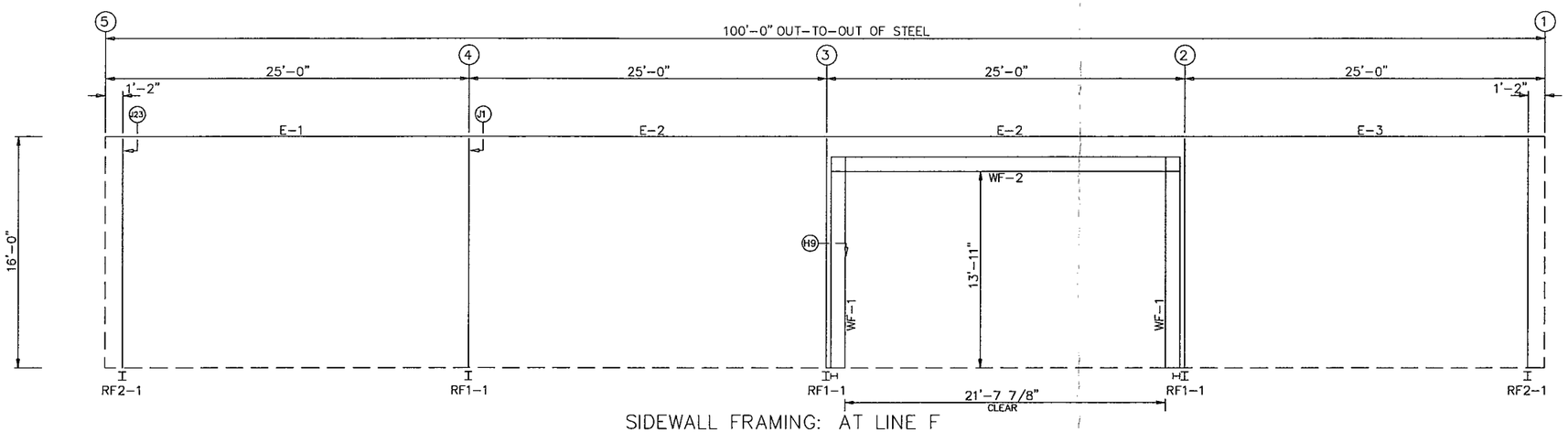
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-2	8	A325	3/4"	1 3/4"

TRIM TABLE
AT LINE F

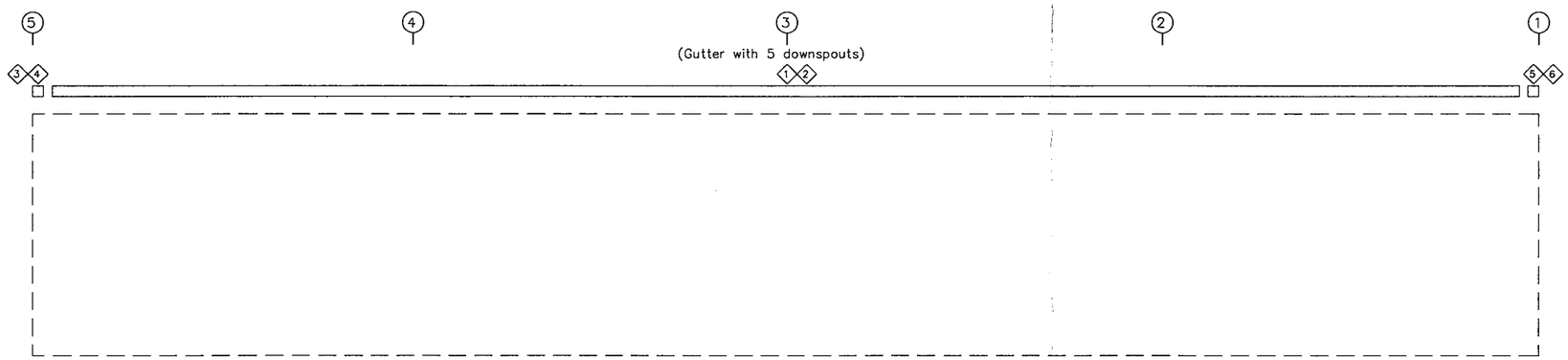
◇ID	MARK	LENGTH	DETAIL
1	G.5	20'-3"	SGO
2	EA1	10'-3"	
3	GC.5L	1"	
4	CBOX-L	2"	
5	GC.5R	1"	
6	CBOX-R	2"	

MEMBER TABLE
AT LINE F

MARK	PART	LENGTH
WF-1	W12543	14'-11"
WF-2	W12643	21'-7 5/8"
E-1	8DHU14	24'-11 1/2"
E-2	8DHU14	24'-11 1/2"
E-3	8DHU14	24'-11 1/2"



SIDEWALL FRAMING: AT LINE F



SIDEWALL TRIM: AT LINE F

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE NTS | APPROVED BY

PHONE NUMBER
540-297-1300

WORK ORDER NUMBER
107318

JOB NUMBER
1002623

SHEET NUMBER
E5 OF E7

General Construction Notes:
1. No changes shall be made to this building system unless approved in writing by the manufacutrer's engineering department. Unappraved changes will result in an unsafe building design and will endanger public safety.
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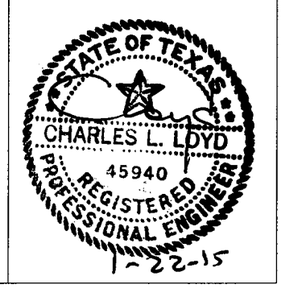
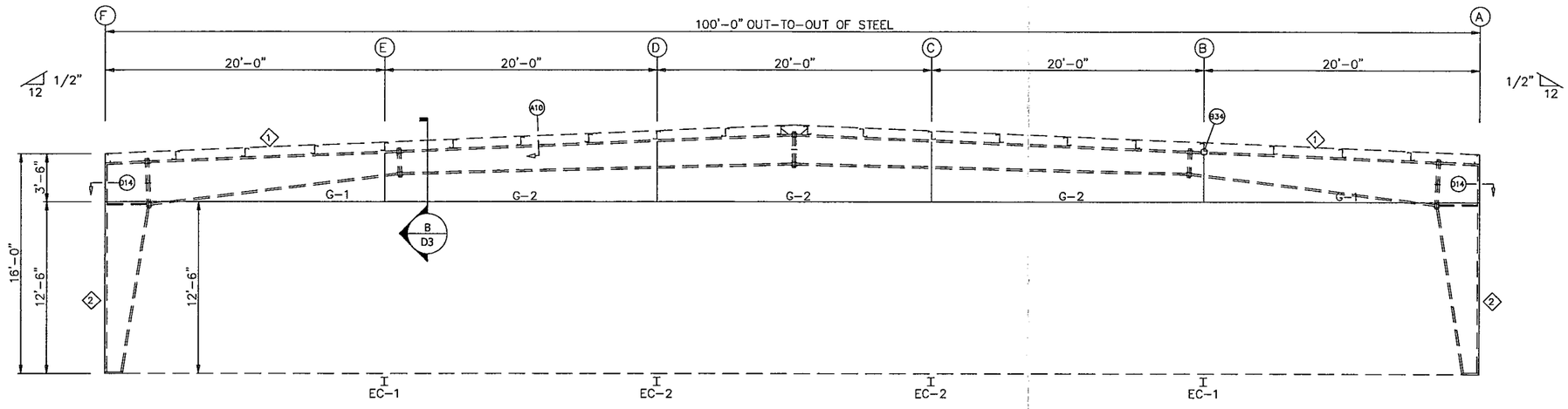


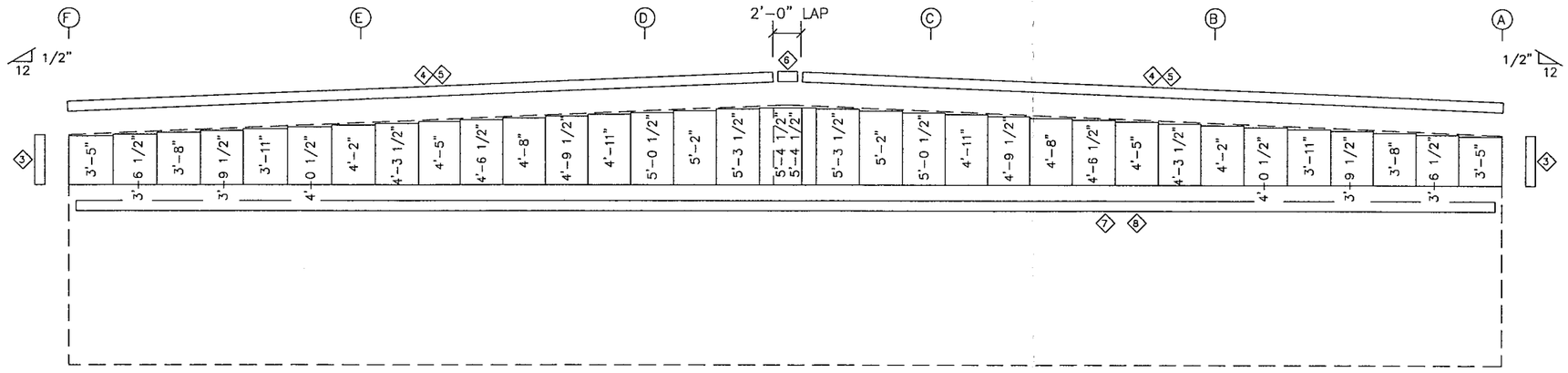
TRIM TABLE AT LINE 1			
◇ID	MARK	LENGTH	DETAIL
3	C4	10'-3"	
4	RK1	14'-3"	SR1
5	RK1	18'-3"	SR1
6	PK_BOX	1'-4"	
7	HJC1-1		SH2
8	B6		SH2

MEMBER TABLE AT LINE 1		
MARK	PART	LENGTH
EC-1	W8x10	3'-6 1/16"
EC-2	W8x10	4'-4 1/16"
G-1	8x25C16	19'-9"
G-2	8x25C16	19'-6 1/2"

ANGLE TABLE AT LINE 1		
◇ID	PART	LENGTH
1	RA	20'-0"
2	CA	20'-0"



ENDWALL FRAMING: AT LINE 1



ENDWALL SHEETING & TRIM: AT LINE 1

PANELS: 26 Ga. PBR – Light Stone

DESCRIPTION	DATE	DRWN	CK'D
0 For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE NTS | APPROVED BY

PHONE NUMBER 540-297-1300

WORK ORDER NUMBER 107318

JOB NUMBER 1002623

SHEET NUMBER E6 OF E7

General Construction Notes:
1. No changes shall be made to this building system unless approved in writing by the manufacutrer's engineering department. Unapproved changes will result in an unsafe building design and will endanger public safety.
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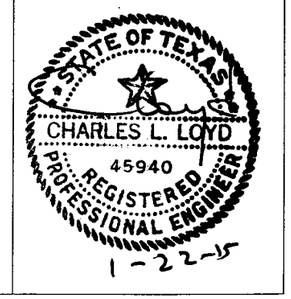
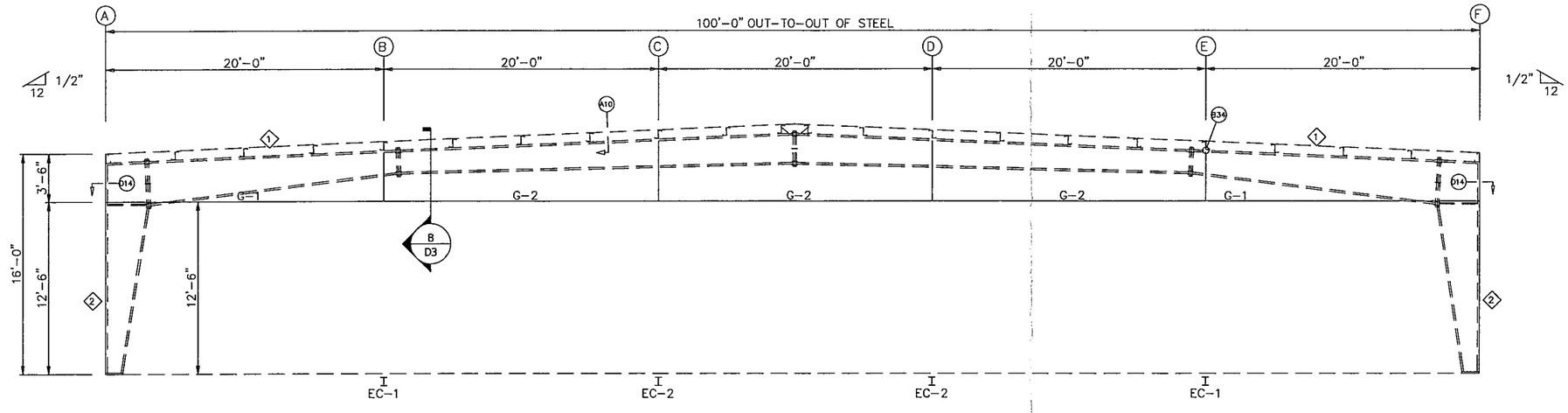


TRIM TABLE AT LINE 5			
◇ID	MARK	LENGTH	DETAIL
3	C4	10'-3"	
4	RK1	14'-3"	SR1
5	RK1	18'-3"	SR1
6	PK_BOX	1'-4"	
7	HJC1-1		SH2
8	B6		SH2

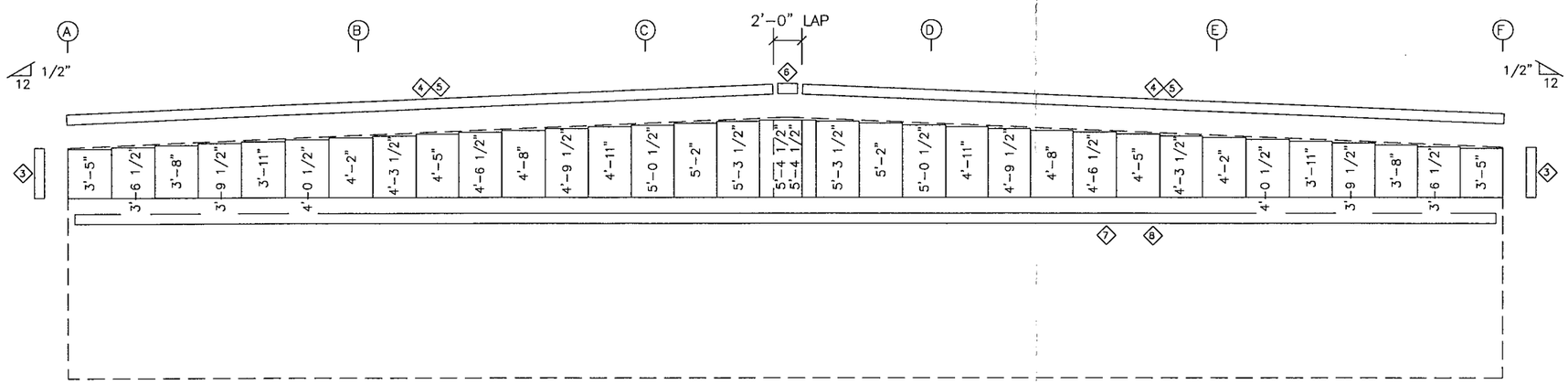
MEMBER TABLE AT LINE 5		
MARK	PART	LENGTH
EC-1	W8x10	3'-6 1/16"
EC-2	W8x10	4'-4 1/16"
G-1	8x25C16	19'-9"
G-2	8x25C16	19'-6 1/2"

ANGLE TABLE AT LINE 5		
◇ID	PART	LENGTH
1	RA	20'-0"
2	CA	20'-0"

CONNECTION PLATES AT LINE 5	
□ID	MARK/PART
1	n1



ENDWALL FRAMING: AT LINE 5



ENDWALL SHEETING & TRIM: AT LINE 5

PANELS: 26 Ga. PBR – Light Stone

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE	APPROVED BY
NTS	

PHONE NUMBER
540-297-1300

WORK ORDER NUMBER
107318

JOB NUMBER
1002623

SHEET NUMBER
E7 OF E7

General Construction Notes:
1. No changes shall be made to this building system unless approved in writing by the manufacturer's engineering department. Unapproved changes will result in an unsafe building design and will endanger public safety.
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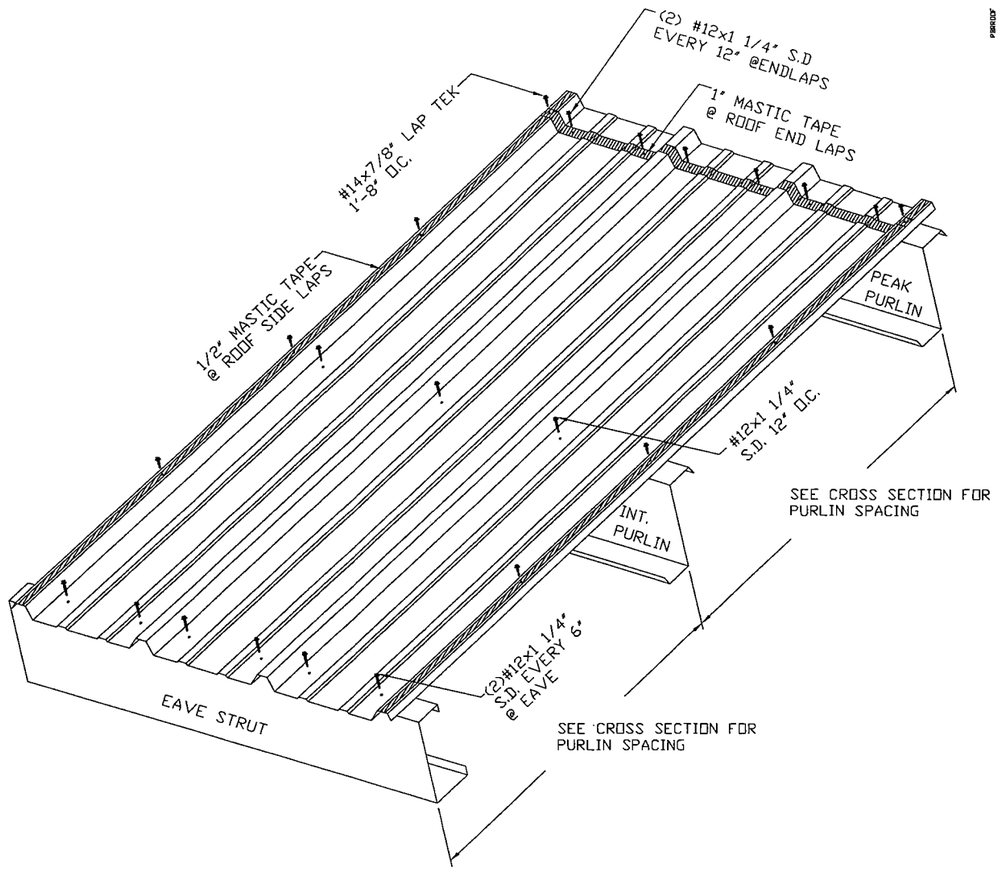
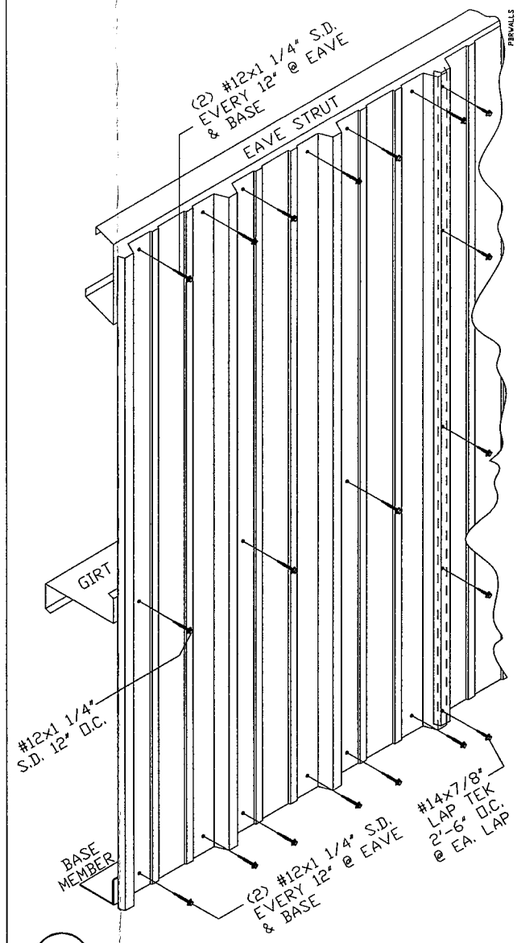
STATE OF TEXAS
CHARLES L. LOYD
45940
REGISTERED
PROFESSIONAL ENGINEER
1-22-15

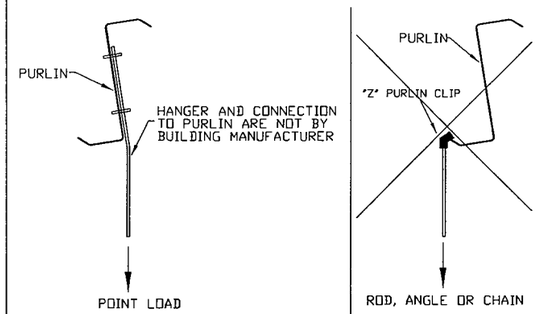


SR2 ROOF PANEL SCREW PATTERN



SW1 WALL PANEL SCREW PATTERN R & PBR

CONNECTION OF COLLATERAL LOADS SUPPORTED BY PURLINS



Alternative collateral load details may be used only with manufacturer's approval. Please contact manufacturer prior to using an alternative hanger systems.

RECOMMENDED METHOD FOR HANGING LOADS ON A SINGLE PURLIN

INCORRECT METHOD FOR HANGING LOADS ON PURLINS

STANDARD EAVE STRUT DESCRIPTION

Double Slope, Slope Up

8D1U14

Member Depth | Pitch | Member Gauge

D = Double Slope
S = Single Slope

U = Slope Up
D = Slope Down

Fractional Pitch
Q = 1/4
H = 1/2
T = 3/4

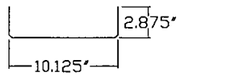
STANDARD OPEN FACE CHANNEL DESCRIPTION

8th's of an Inche

Inches | Inches

101N2716

Member Depth | Member Type | Flange Width | Member Gauge



N = Open face channel

STANDARD FASTENER SCHEDULE

HT220Z	#12 x 2 ZAC WITH WASHER (SELF DRILLING)	HT215S	#12 x 1-1/2 SCDT WITH WASHER (SELF DRILLING)	HT215T	#12 x 1 1/2 TEK WITH WASHER (SELF DRILLING)
HT215Z	#12 x 1 1/2 ZAC WITH WASHER (SELF DRILLING)	HT212S	#12 x 1-1/4 SCDT WITH WASHER (SELF DRILLING)	HT212T	#12 x 1 1/4 TEK WITH WASHER (SELF DRILLING)
HT212Z	#12 x 1 1/4 ZAC WITH WASHER (SELF DRILLING)	HT478S	#14 x 7/8 SCDT WITH WASHER (SELF DRILLING)	HTFAST5	#14 x 1.25 TEK WITH SHOULDER (SELF DRILLING)
HT412Z	#14 x 1 1/4 ZAC WITH WASHER (SELF DRILLING)	HTFAST12	#10 x 1 PAN HEAD WITHOUT WASHER (SELF DRILLING)	HTFAST1	#14 x 1 TEK2 WITH WASHER (SELF DRILLING)
HTFAST2A	#17 x 1 ZAC WITH WASHER (SELF TAPPING)	HNA	1/4" NAIL ANCHOR	HT478T	#14 x 7/8 TEK WITH WASHER (SELF DRILLING)
HT478Z	#14 x 7/8 ZAC WITH WASHER (SELF DRILLING)	HPOP	POP RIVET	HT434TPL	#12 x 3/4 WITHOUT WASHER (SELF DRILLING)

STANDARD CEE AND ZEE DESCRIPTION

By | "Cee or Zee" Designation

8X25C14

Member Depth | Flange Width | Member Gauge

ERECTION MANUAL REFERENCE TABLE

FOR INSTALATION OF:	SEE PAGE #
MASTIC	9
PBR SKYLIGHTS	13
WALKDOORS	15
WINDOWS	16
RIDGE VENTS	17
WALL FANS	18
SAG ANGLES	25
STRAPPING (BOTTOM FLANGE ONLY U.N.O.) (SEE DETAIL "A")	27
INSULATION	29

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE: NTS
APPROVED BY:
PHONE NUMBER: 540-297-1300
WORK ORDER NUMBER: 107318
JOB NUMBER: 1002623
SHEET NUMBER: D1 OF D3

General Construction Notes:
1. No changes shall be made to this building system unless approved in writing by the manufacutrer's engineering department. Unapproved changes will result in an unsafe building design and will endanger public safety.
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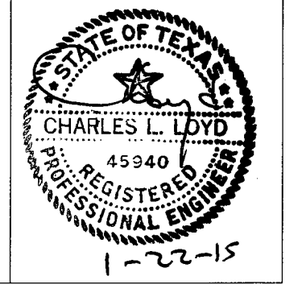
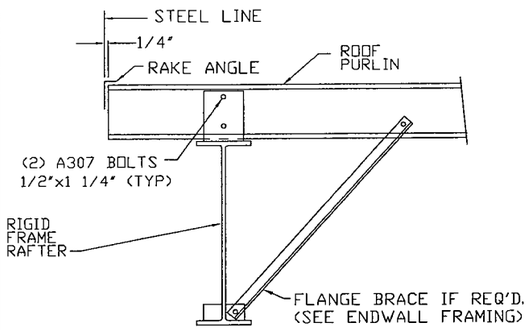
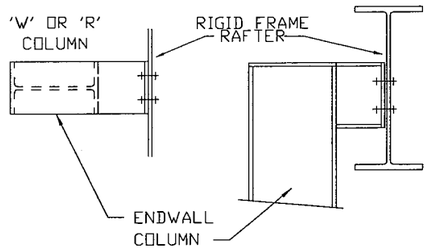
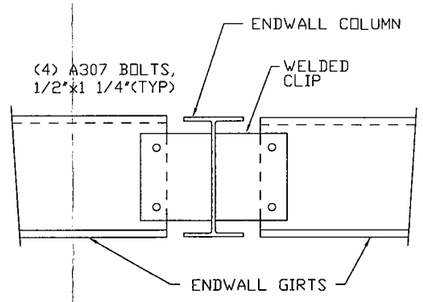




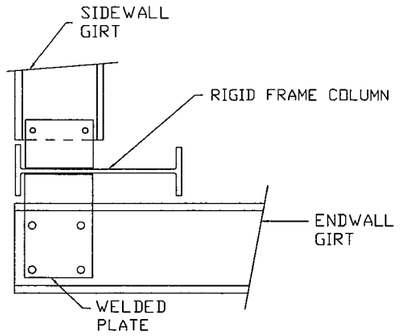
A10 EXPANDABLE ENDWALL RAFTER



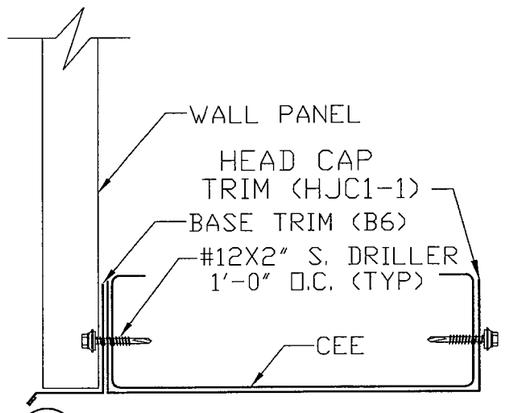
B34 ENDWALL RAFTER TO COLUMN



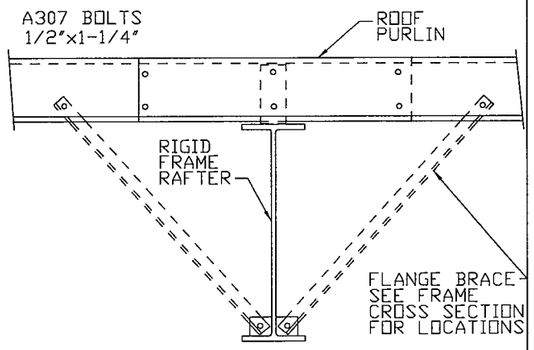
C6 FLUSH MILLED COLUMN TO WALL GIRT



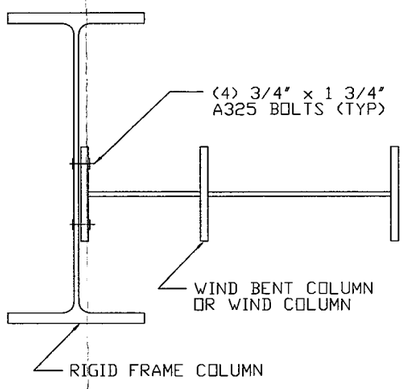
D14 CORNER COLUMN TO WALL GIRT



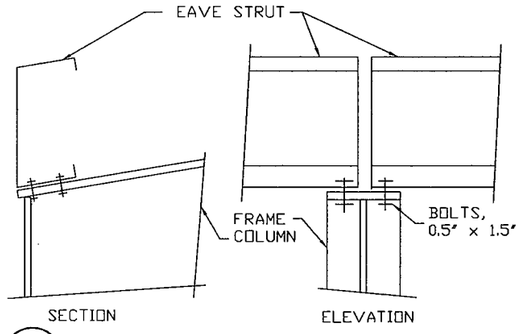
SH2 HEAD CAP TRIM



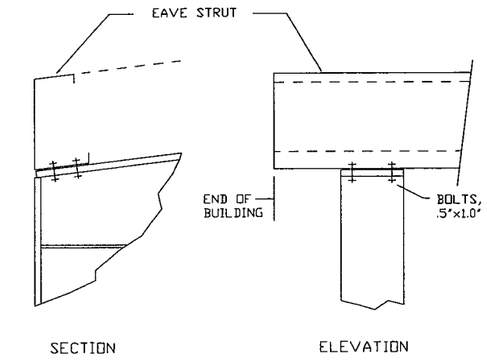
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



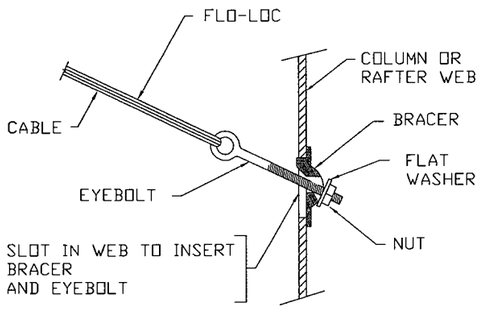
H9 WIND BENT OR WIND COLUMN TO RIGID FRAME COLUMN



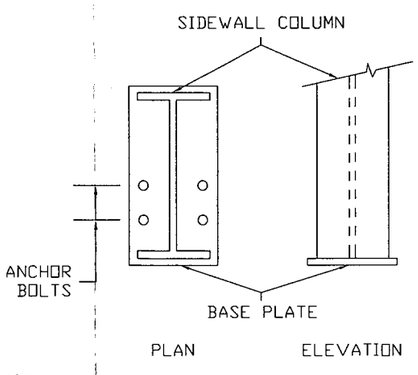
J1 EAVE STRUT TO RIGID FRAME



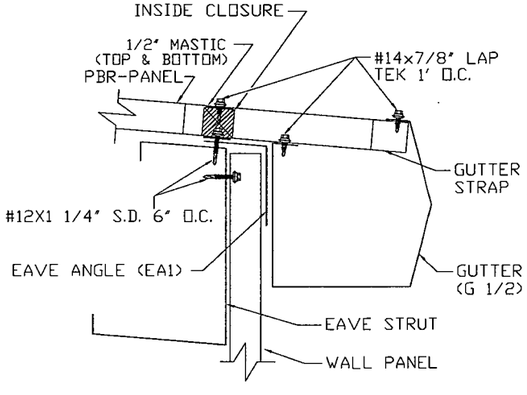
J23 EAVE STRUT TO RIGID FRAME



Q2 DIAGONAL CABLE, EYEBOLT END



R2 ANCHOR BOLTS AT SIDEWALL COLUMN



SG0 GUTTER AT EAVE

	DESCRIPTION	DATE	DRWN	CK'D
0	For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE	NTS
APPROVED BY	
PHONE NUMBER	540-297-1300
WORK ORDER NUMBER	107318
JOB NUMBER	1002623
SHEET NUMBER	D2 OF D3

General Construction Notes:
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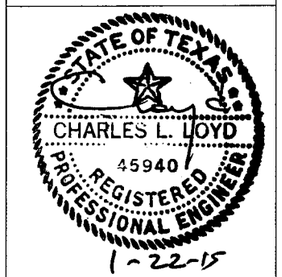
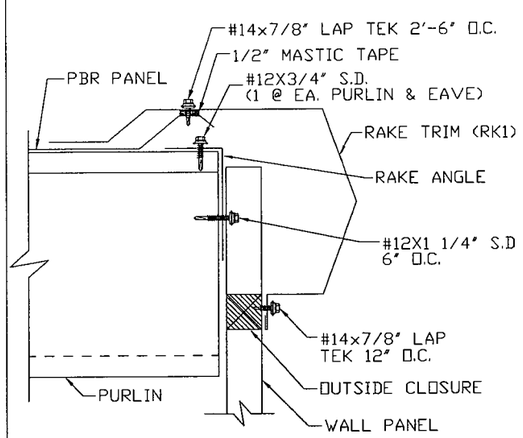
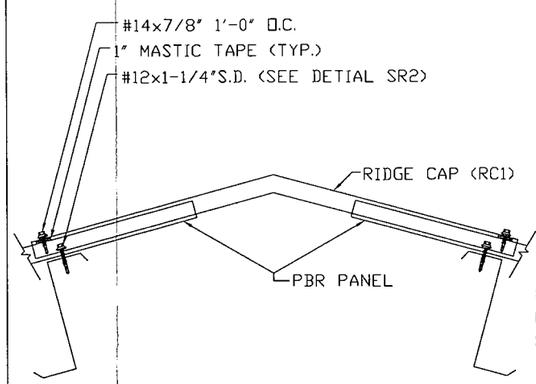
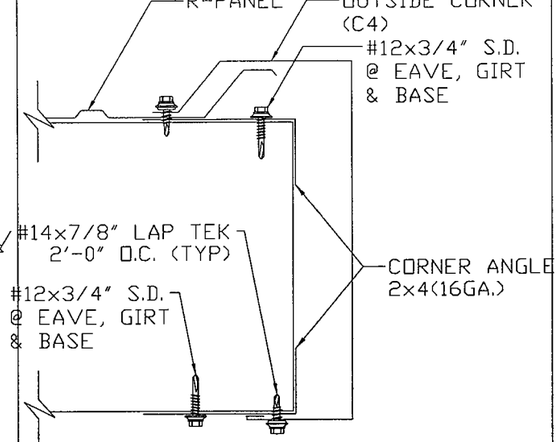




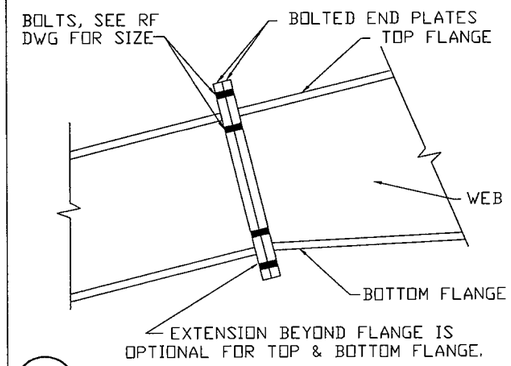
SR1 RAKE TRIM



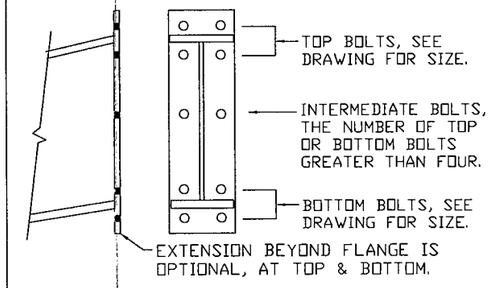
SR3 RIDGE CAP DETAIL



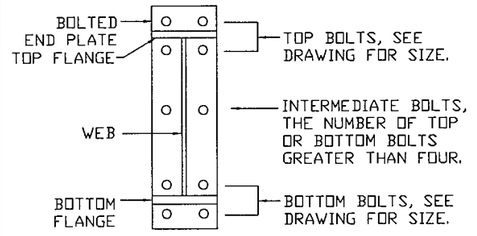
SC3 OUTSIDE CORNER TRIM



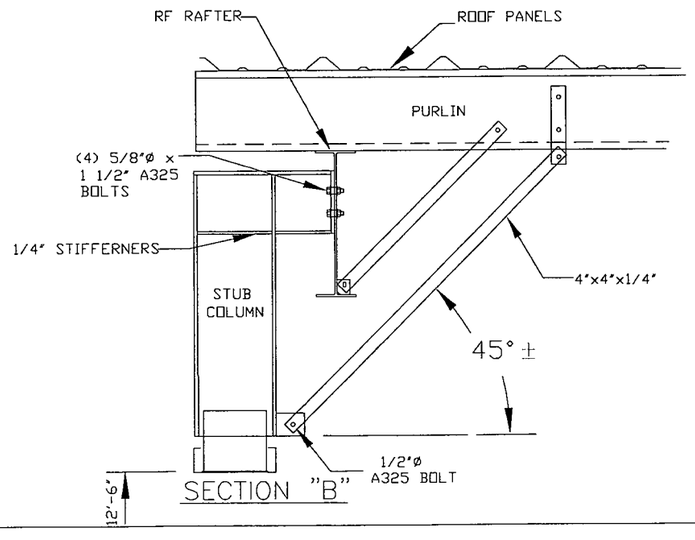
U1 BOLTED END PLATE RAFTER SPLICE



U2 BOLTED END PLATE CONNECTION AT BUILDING PEAK



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



SECTION "B"

DESCRIPTION	DATE	DRWN	CK'D
0 For Permit	1/13/15	JCW	JCW

Austin Building Systems, Inc.
Las Blancas Flea Market
102 Camino Nuevo Rd.
Laredo, TX 78043

SCALE	NTS
APPROVED BY	
PHONE NUMBER	540-297-1300
WORK ORDER NUMBER	107318
JOB NUMBER	1002623
SHEET NUMBER	D3 OF D3

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