BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING COMPANY OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.
THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.
APPROVAL OF BUILDING'S DRAWINGS AND CALCULATIONS INDICATE THAT JDM STEEL CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD PRACTICES, 9TH ED.)
WHERE DISCREPANCIES EXIST BETWEEN THE STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 9TH ED.)
DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING COMPANY ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING COMPANY'S ENGINEERS UNLESS SPECIFICALLY INDICATED.
THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH BUILDING COMPANY'S "FOR CONSTRUCTION" DRAWINGS.
PRODUCTS SHIPPED TO BUILDER OR HIS CUSTOMER SHALL BE INSPECTED BY BUILDER IMMEDIATELY UPON ARRIVAL. CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE MAILED TO JDM STEEL WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE BUILDER LEARNS OF THE DEFECT. BLDG. COMPANY WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY STEEL SUPPORT GROUP,INC. TO BUILDER OR HIS CUSTOMER. JDM STEEL . WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY BUILDER.
IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO BLDG. COMPANY, THEN UPON WRITTEN AUTHORIZATION OF THE BUILDER MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND BUILDING COMPANY WILL REIMBURSE THE BUILDER FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.
ALL BRACING AS SHOWN AND PROVIDED BY JDM STEEL . FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.
TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.9.1 AISC CODE OF STANDARD PRACTICE, 9TH ED.)
DESIGN OF GUTTER AND DOWNSPOUT IS A FUNCTION OF THE RAINFALL INTENSITY AND AREA TO BE DRAINED. DESIGN PARAMETERS UTILIZED ARE IN ACCORDANCE WITH THE 1986 LOW RISE BUILDING SYSTEMS MANUAL AND/OR THE 9TH EDITION OF THE ARCHITECTURAL GRAPHIC STANDARDS, AS APPLICABLE. PROPER OWNER MAINTENANCE DICTATES THAT THE DRAINAGE SYSTEM BE KEPT FREE AND CLEAR OF DEBRIS AND/OR ICE AT ALL TIMES TO ENSURE PROPER FUNCTION OF THE GUTTER AND DOWNSPOUT. IN THOSE CASES WHERE THE OWNER/TENANT OF A PROPERTY IS UNWILLING OR UNABLE TO PROVIDE PROPER MAINTENANCE, ELIMINATION OF GUTTER SHOULD BE CONSIDERED AS AN ALTERNATIVE.

PRODUCT CERTIFICATIONS

M.B.C.I. BDG. COMPONENTS CO. IS A MEMBER OF THE METAL BUILDING MANUFACTURERS ASSOCIATION. FABRICATION AND PRODUCTS ARE COVERED BY ONE OR MORE OF THE FOLLOWING CERTIFICATIONS:

1. APPROVED FABRICATOR OF PREFABRICATED BUILDINGS AND COMPONENTS. REFERENCE ICBO REPORT NO. FA-337
2. SBCCI COMPLIANCE REPORT NO. 9461A
3. AISC METAL BUILDING CERTIFICATION PROGRAM
4. CITY OF HOUSTON APPROVED FABRICATOR
5. TEXAS DEPT. OF INSURANCE PRODUCT EVALUATION

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:
   1) BE MADE IN CONTRASTING INK.
   3) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
   2) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT JDM STEEL . HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

GENERAL NOTES

THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER.
JDM STEEL WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.
THIS METAL BUILDING IS DESIGNED WITH M.B.C.I. COMPO)NENT BUILDING COMPANY'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
5. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS: "UNIFORM BUILDING CODE"
6. SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
7. BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"
8. NATIONAL BUILDING CODE OF CANADA.

MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD-FORMED SECTIONS, CONFORM TO ASTM-A529 OR A-572 . FLANGES WITH THICKNESS OF ONE INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A-529 WITH A MINIMUM YIELD POINT OF 55,000 psi. FLANGES GREATER THAN 1" IN THICKNESS OR 12" IN WIDTH CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 psi. WEB MATERIAL CONFORMS TO ASTM-A36 MODIFIED WITH A MINIMUM YIELD POINT OF 46,000 psi.
MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM-A53 TYPE E, GRADE B WITH A MINIMUM YIELD POINT OF 35,000 psi.
MATERIAL PROPERTIES OF HOT ROLLED STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A36 OR A572 WITH A MINIMUM YIELD POINT OF 50,000 psi.
MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO ASTM-A570 OR A607 GRADE 55 MODIFIED WITH A MINIMUM YIELD POINT OF 57,000 psi.
MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM-A792 GRADES D OR E WITH MINIMUM YIELD POINTS OF 50,000 psi AND 80,000 psi RESPECTIVELY, AS REQUIRED BY DESIGN. COATING OF BASE MATERIAL IS 55% ALUMINUM-ZINC ALLOY IN ACCORDANCE WITH AZ55 SPECIFICATIONS.
CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475.
ROD AND ANGLE UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM A36.
STRUCTURAL JOINTS WITH A.S.T.M. A-325 HIGH STRENGTH BOLTS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ASSEMBLED AND THE FASTENERS TIGHTENED IN ACCORDANCE WITH "TURN-OF-NUT" METHOD AS DESCRIBED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS (11-13-85), UNLESS OTHERWISE NOTED. ALL JOINTS WILL BE ASSEMBLED WITHOUT WASHERS UNLESS OTHERWISE NOTED.
ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS AND CABLE SHALL RECEIVE ONE SHOP COAT OF IRON OXIDE CORROSION INHIBITIVE PRIMER, MEETING THE PERFORMANCE REQUIREMENTS OF TTP-636.
SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.
M.B.C.I. COMPONENTS BUILDING COMPANY WILL IDENTIFY PRIMARY STRUCTURAL STEEL WITH A MINIMUM YIELD POINT GREATER THAN 36,000 PSI BY MEANS OF A STICKER NEAR THE ERECTION MARK ON EACH SHIPPED PIECE. SECONDARY MEMBERS WITH A YIELD POINT EQUAL TO OR GREATER THAN 33,000 PSI SHALL BE IDENTIFIED BY MEANS OF A STICKER NEAR THE ERECTION MARK ON EACH SHIPPED PIECE.

SAFETY COMMITMENT

THE BUILDING MANUFACTURER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF HAHNS CONSTRUCTION CO.
IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.
LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.
MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.
DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

BUILDING DESCRIPTION:

BASIC SIZE:	WIDTH	LENGTH	HEIGHT	ROOF PITCH	ENDWALL FRAME TYPE LEFT	RIGHT
S.S.	60'-6	105'-0	18'-0	1/2:12	M.F.	M.F.

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

BASE CONDITION:	SHEETING:			BLANKET TYPE INSULATION:	
	24GA	1.5 VULCRAFT DECK GLUME	ROOF	NONE ☐ BY MANUFACTURER ☒ BY OTHERS ☐ ROOF ☐ WALL ☐ UL-25	
	26GA.		WALL	SCREWS	* ZINC CAPPED
TAPE SEAL:	TRIM: (1/8" POP RIVETS AT SPLICES)			MEMBER ROOF(#12 X 1 1/4) STITCH ROOF(#14 x 7/8)	ANCHOR BOLTS
3/8" ☒	26GA.	COLOR	RAKE	MEMBER WALL(#12 X 1 1/4) STITCH WALL(#14 x 7/8)	BY OTHERS ☐
1" ☐	26GA.	COLOR	EAVE	RAKE TO ROOF: #14 x 7/8 RAKE TO WALL:	
WARRANTIES	26GA.	COLOR	GUTTER	GUTTER TO ROOF: #14 x 7/8 GUTTER STRAPS:	BY BUILDING MANUFACTURER ☒
U.L. 90 N/A	26GA.	COLOR	DOWNS.	CORNER TRIM: #14 x 7/8 RAKE ANGLE:	
20 YR ROOF N/A	26GA.	COLOR	CORNER	ADDITIONAL FEATURES:	
20 YR WALL N/A					

BUILDING LOADS

THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY IBC 2009
THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION AND INSPECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES.
THE CONTRACTOR AND/OR ENGINEER OF RECORD IS TO CONFIRM THAT THESE LOADS COMPLY WITH REQUIREMENTS OF THE LOCAL BUILDING DEPT.

ROOF DEAD LOAD 2.5 PSF
COLLATERAL DEAD LOAD 3.0 PSF
ROOF LIVE LOAD
BASED ON TRIBUTARY AREAS:
0 - 200 SQ. FT. ------ 20 PSF
201 - 600 SQ. FT. ------ IBC 2003 [EQUATION 16-6]
OVER 600 SQ. FT. ------ 12 PSF
20.0 PSF (SECONDARY)
20.0 PSF (PRIMARY)
GROUND SNOW LOAD - PSF (C = -)
ROOF SNOW LOAD - PSF
WIND SPEED 110 MPH, EXPOSURE B
SEISMIC
Use Group .
Site Class -
Design Category -
S_S= ___ -,S_1 =___ -
IMPORTANCE FACTORS
WIND LOAD 1.0
SNOW LOAD 1.2
SEISMIC LOAD 1.5
MEZZANINE LOADS
LIVE LOAD N/A PSF DEAD LOAD N/A PSF

DRAWING INDEX

ISSUE	PAGE	DESCRIPTION
0	C1 OF 1	COVER SHEET
0	E1 OF 4	ROOF PLAN
0	E2 OF 4	SIDEWALL ELEVATIONS
0	E3 OF 4	ENDWALL ELEVATIONS
0	E4 OF 4	CROSS SECTION
0	AB1 OF 1	ANCHOR BOLT PLAN
0	S1 OF 1	STD. SECTIONS
0	W1 OF 1	WELD SHEET

DSN APR. | APR. DATE
STRUCTURAL ONLY
FOUNDATION BY OTHERS
STATE OF TEXAS ROBERT V. NANGIA 96828 LICENSED PROFESSIONAL ENGINEER
NANGIA ENGR. OF TX F-8528

ROBERT V. NANGIA P.E.
7423 HOLLOW RIDGE DR.
HOUSTON, TX 77095

DRAWING STATUS
☐ FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
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☒ FOR CONSTRUCTION: FINAL DRAWINGS.

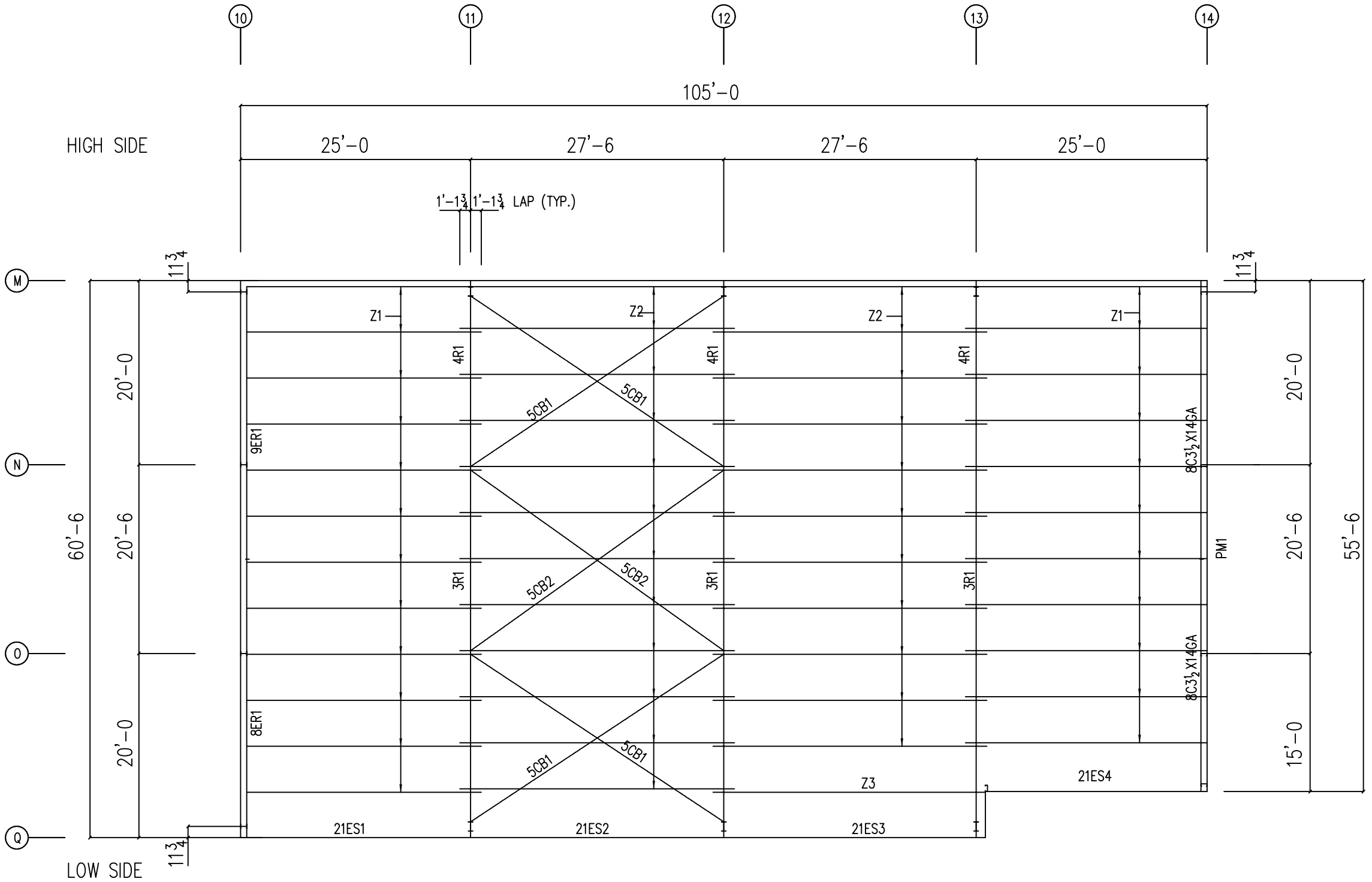
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

JDM STEEL

DESCRIPTION COVER SHEET
SIZE SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER MOCK
LOCATION OAK RIDGE, TEXAS
CAD BY

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (ALPHA)	SHEET NO.	ISSUE
		3/26/15	NONE				C1 OF 1	0



ROOF FRAMING PLAN

DSN APR. | APR. DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
PROFESSIONAL ENGINEER
PROPERTY NANGIA
96438
LICENSED
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

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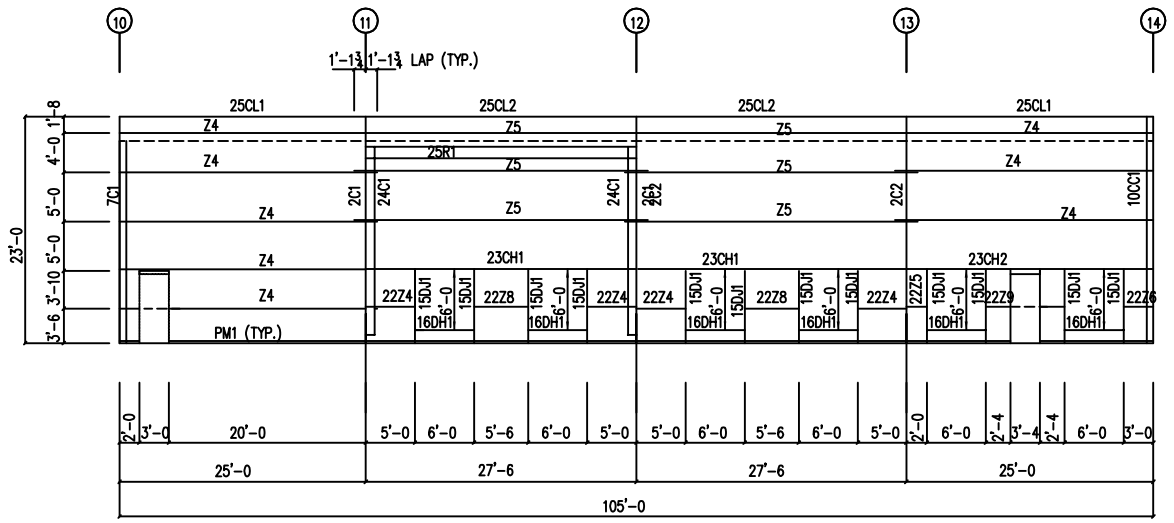
JDM STEEL

DESCRIPTION	ROOF FRAMING PLAN
SIZE	SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER	MOCK
LOCATION	OAK RIDGE, TEXAS

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (A/P/M)	CAD BY SHEET NO.	ISSUE
		3/26/15	NONE				E1 OF 4	0



SIDEWALL FRAMING
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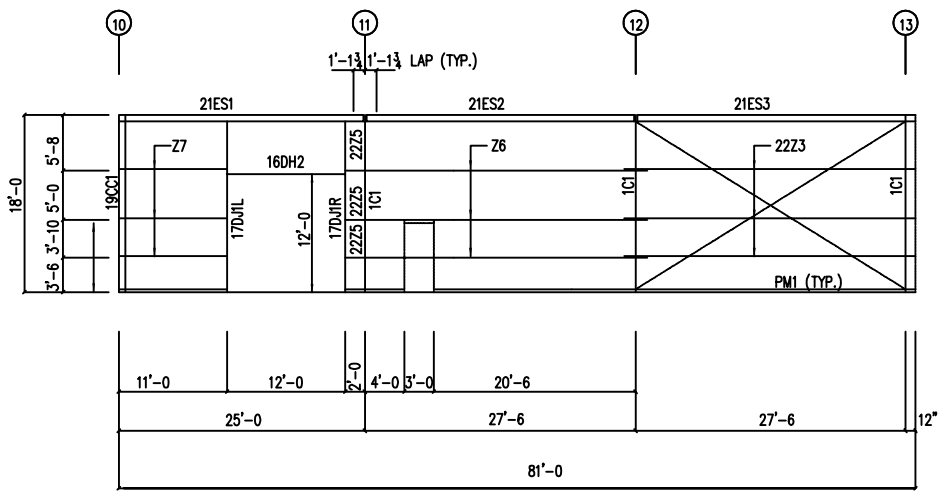

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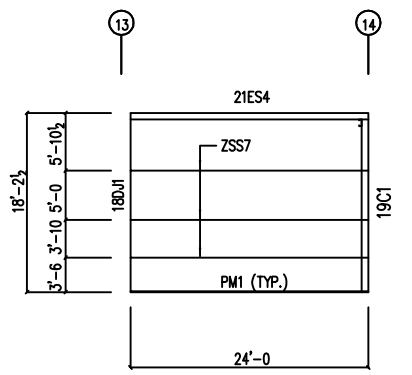

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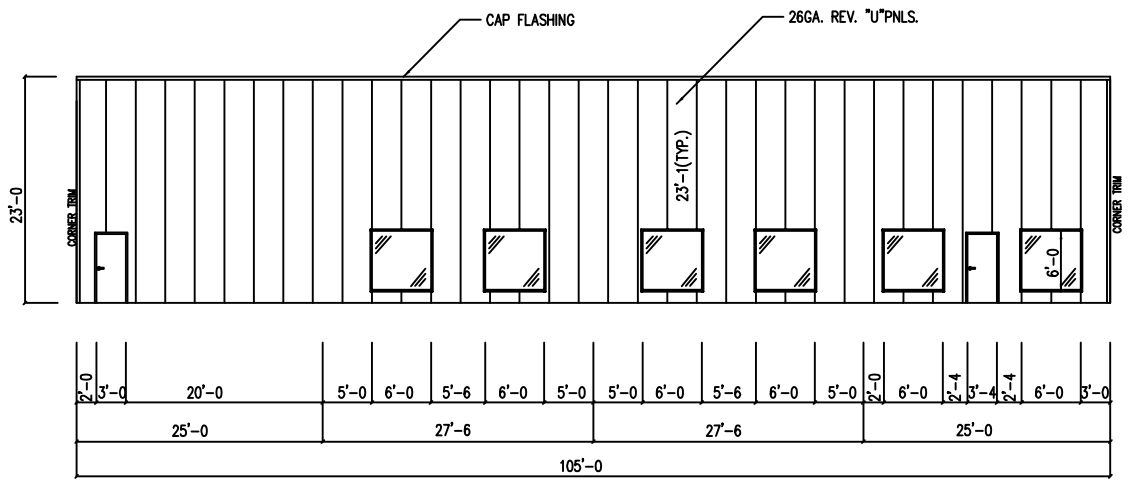

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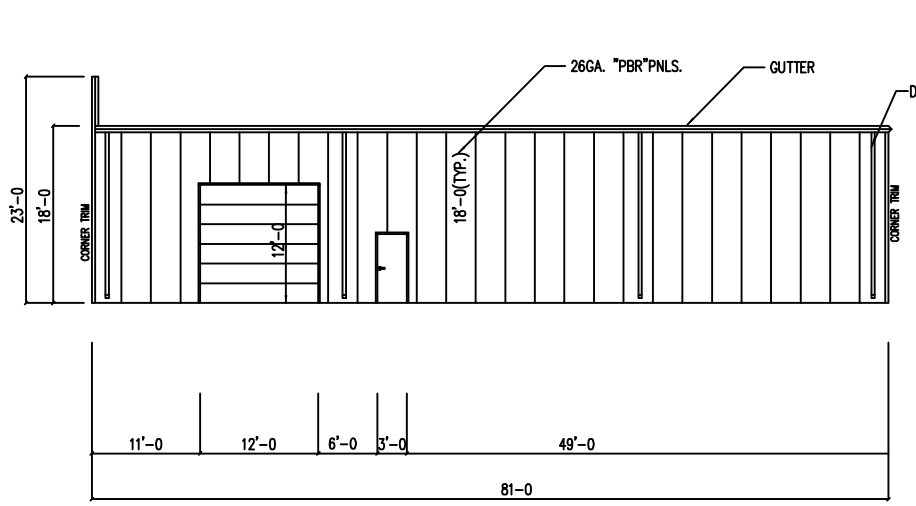

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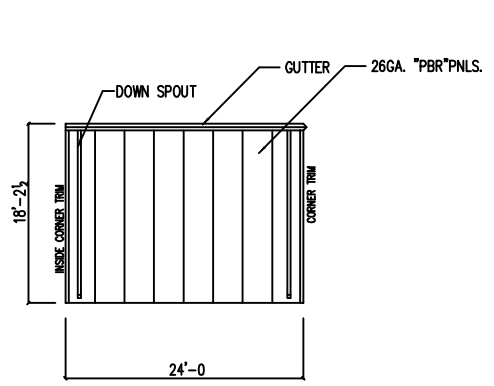

SIDEWALL SHEETING
AT LINE "P"

DSN APR | APR DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
ROBERT V. NANGIA
86528
LICENSED
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

DRAWING STATUS

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☒ FOR CONSTRUCTION:
FINAL DRAWINGS.

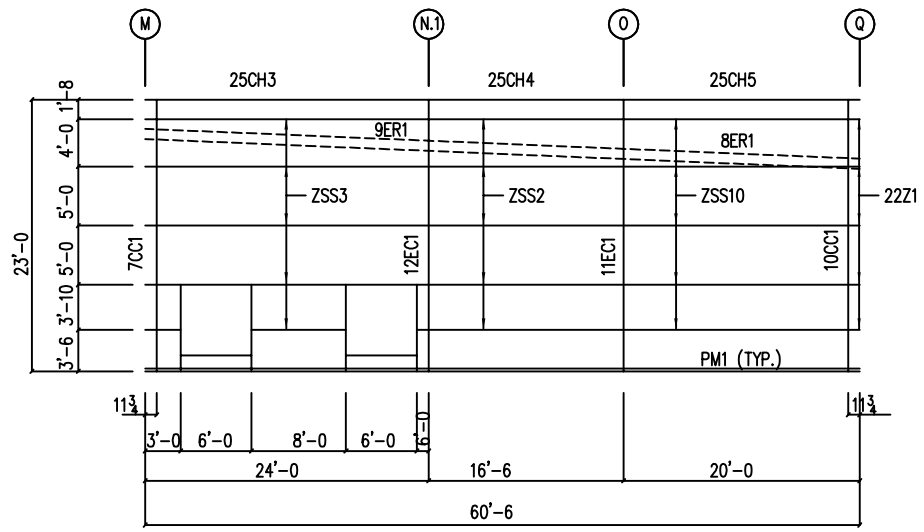
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

JDM STEEL

DESCRIPTION SIDEWALL ELEVATIONS
SIZE SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER MOCK
LOCATION OAK RIDGE, TEXAS

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (ALPHA)	CAD BY	SHEET NO.	ISSUE
		3/26/15	NONE					E2 OF 4	0



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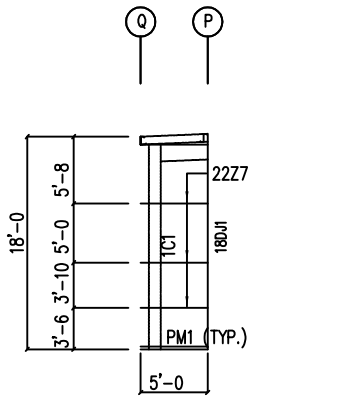

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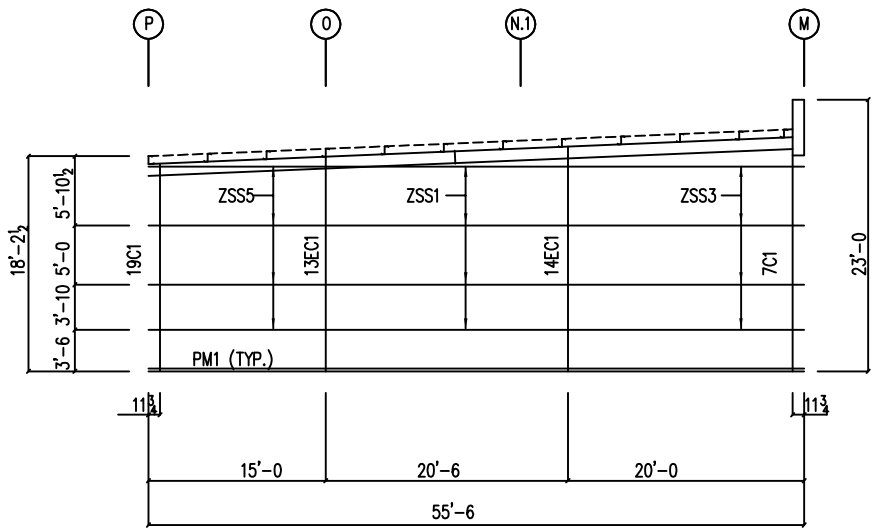

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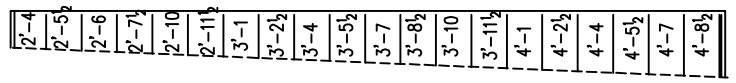
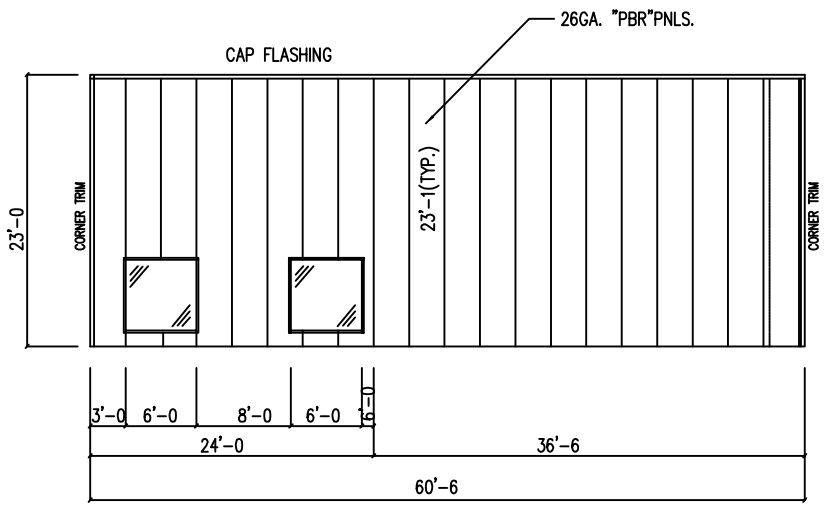


BACK PANELS



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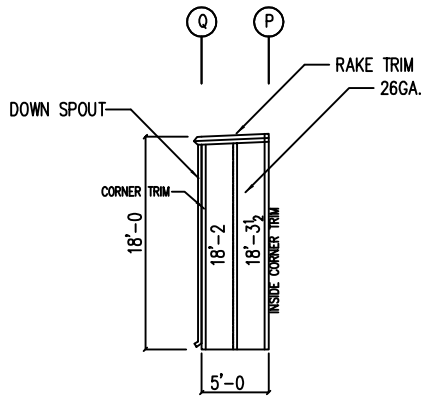
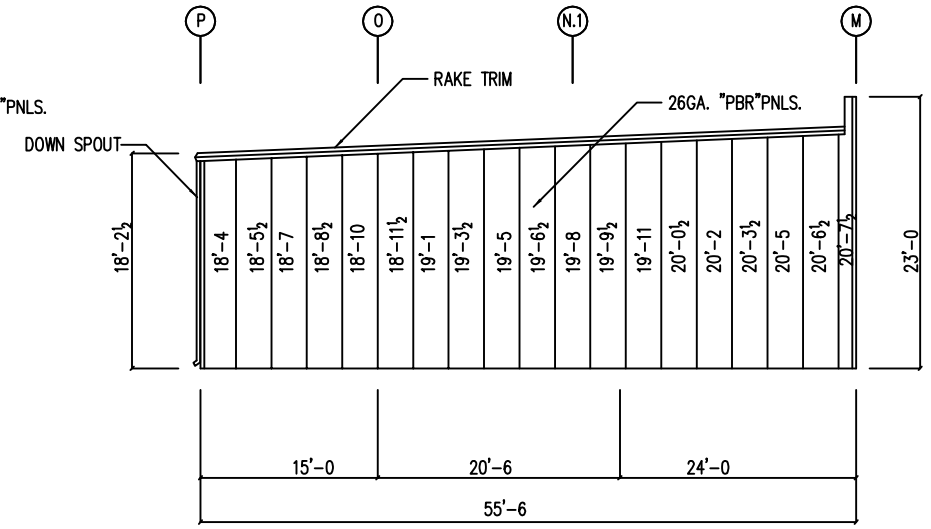


ENDWALL SHEETING

AT LINE "10"



ENDWALL SHEETING

AT LINE "14"

DSN APR | APR DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
ROBERT Y. NANGIA
95428
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

DRAWING STATUS

☐ FOR APPROVAL:
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☒ FOR CONSTRUCTION:
FINAL DRAWINGS.

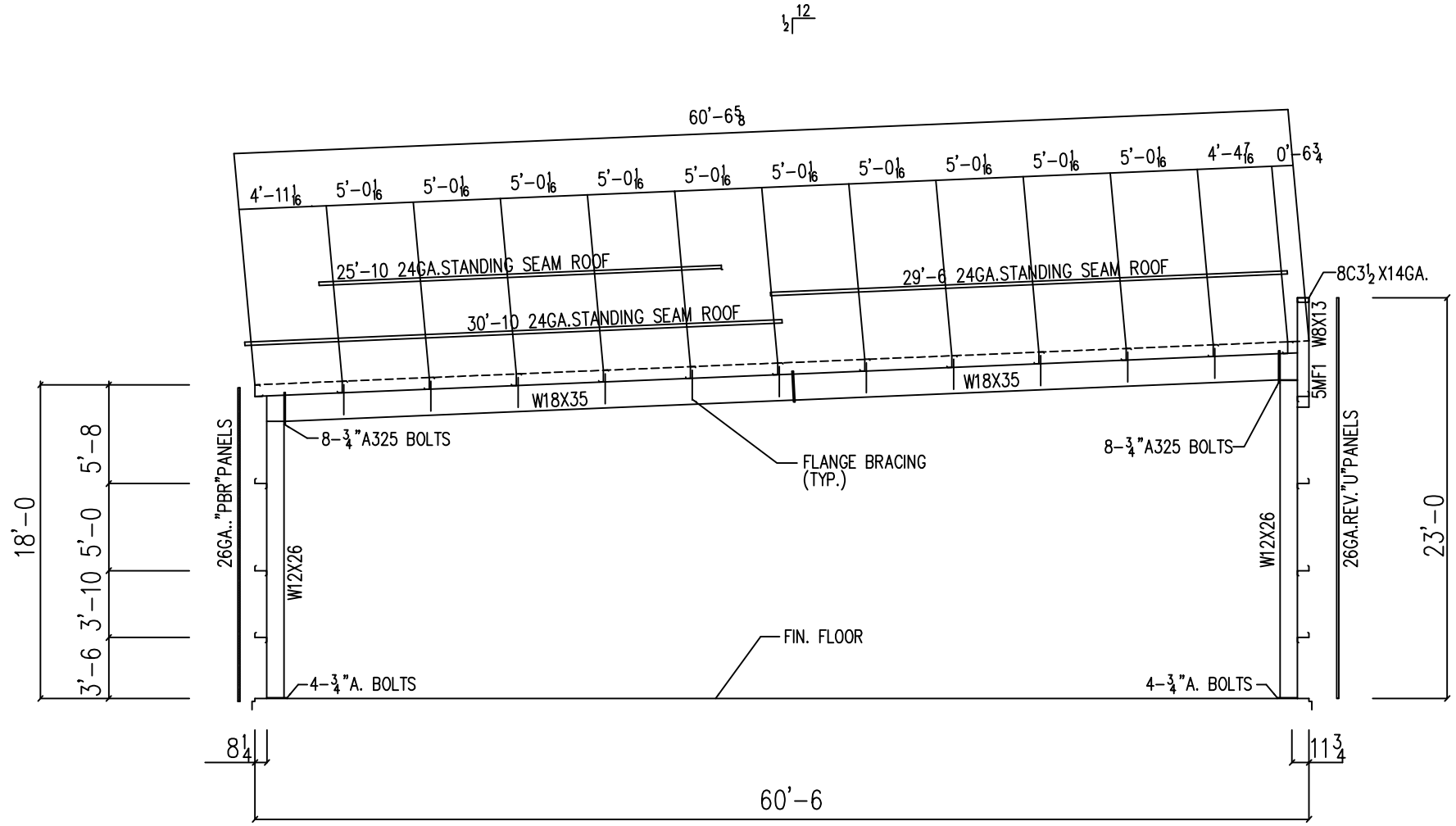
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

JDM STEEL

DESCRIPTION ENDWALL ELEVATIONS
SIZE SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER MOCK
LOCATION OAK RIDGE, TEXAS

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (ALPHA)	CAD BY	SHEET NO.	ISSUE
		3/26/15	NONE					E3 OF 4	0



CROSS SECTION

AT LINES "11,12, & 13"

DSN APR. | APR. DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
ROBERT V. NANGIA
96328
LICENSED
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

DRAWING STATUS

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FINAL DRAWINGS.

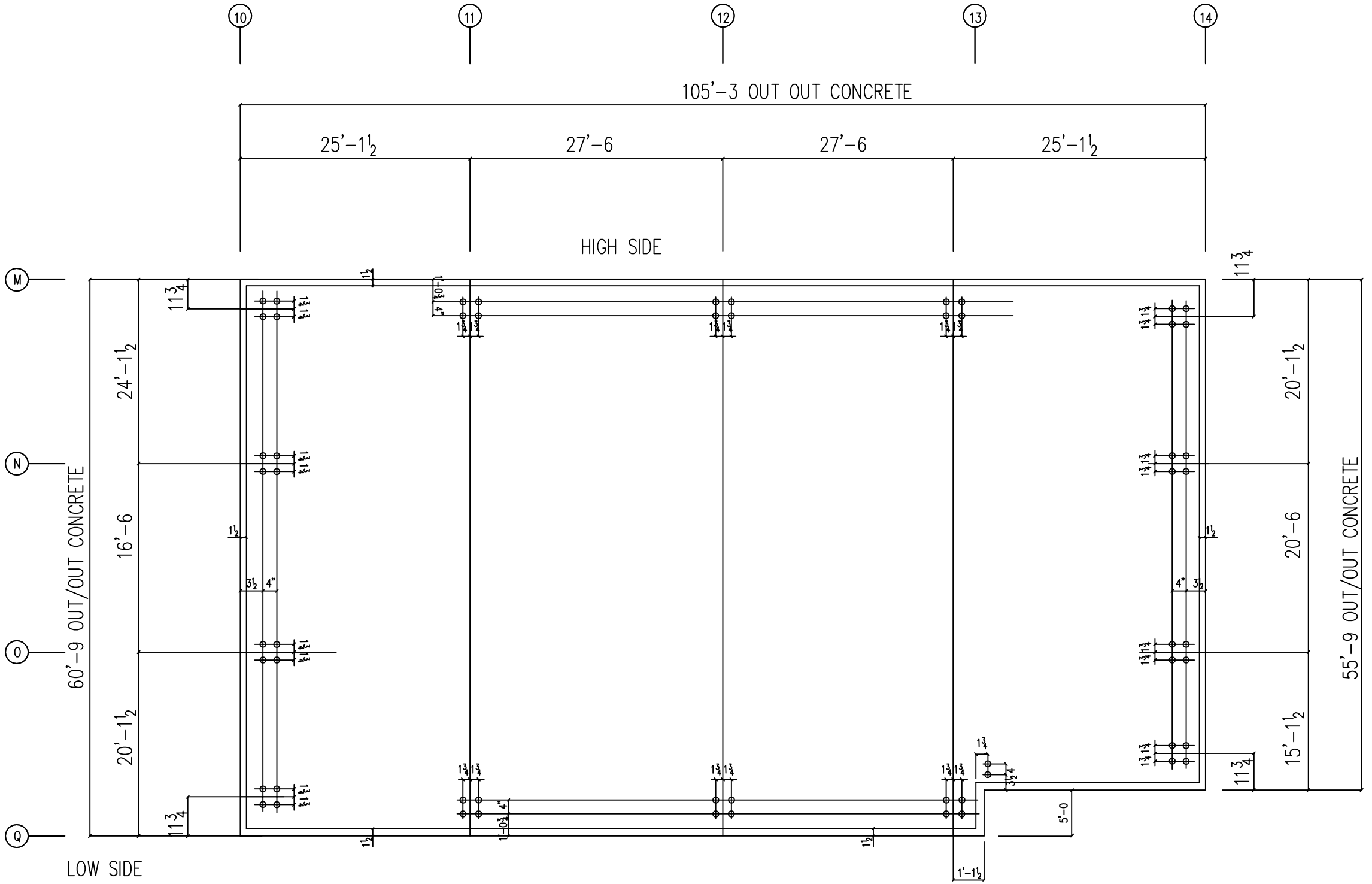
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

JDM STEEL

DESCRIPTION	CROSS SECTION
SIZE	SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER	MOCK
LOCATION	OAK RIDGE, TEXAS

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (A/M/W)	CAD BY SHEET NO.	ISSUE
		3/26/15	NONE				E4 OF 4	0



ANCHOR BOLT PLAN

DSN APR. | APR. DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
ROBERT V. NANGIA
85328
LICENSED
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

DRAWING STATUS

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☒ FOR CONSTRUCTION:
FINAL DRAWINGS.

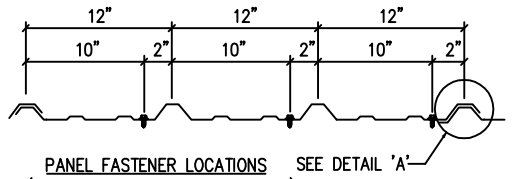
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

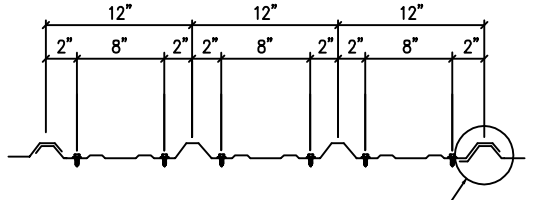
JDM STEEL

DESCRIPTION	ANCHOR BOLT PLAN
SIZE	SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER	MOCK
LOCATION	OAK RIDGE, TEXAS

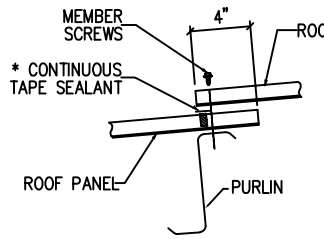
DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (ALPHA)	CAD BY SHEET NO.	ISSUE
		3/26/15	NONE				AB1 OF 1	0



PANEL FASTENER LOCATIONS SEE DETAIL 'A'
(ALL MEMBERS EXCEPT AS NOTED)

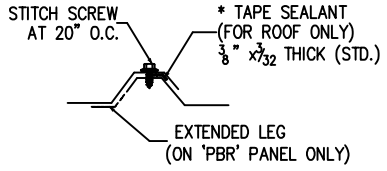


PANEL FASTENER LOCATIONS SEE DETAIL 'A'
(EAVE MEMBER, PEAK MEMBER AND ENDLAPS)



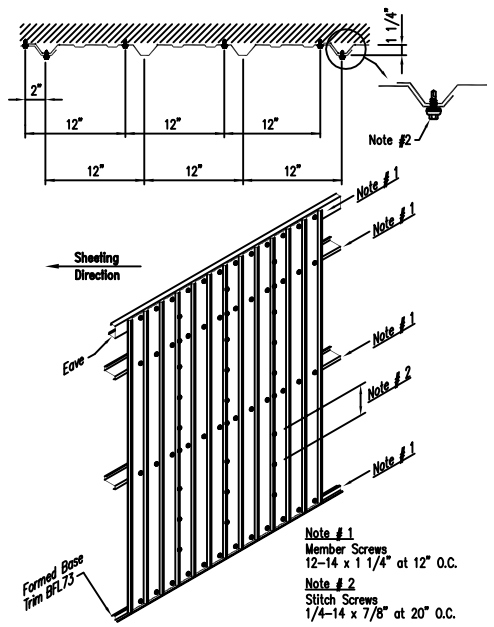
SECTION THRU PANEL ENDLAPS AND PEAK PURLIN

* 1" WIDE x 3/32 THICK MASTIC (OPTIONAL) MUST BE SPECIFIED ON THE WORK ORDER.

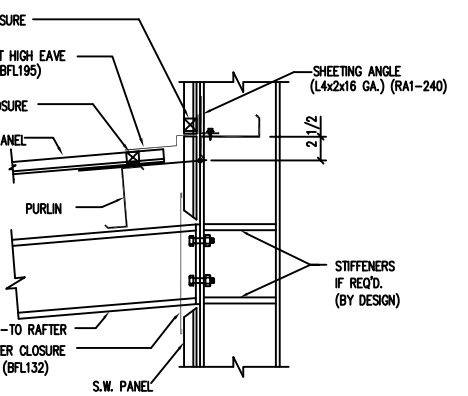


DETAIL 'A'

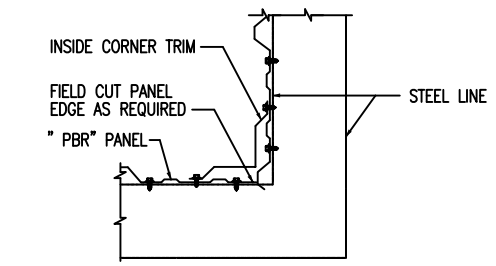
'PBR' AND 'R' PANEL AT ROOF



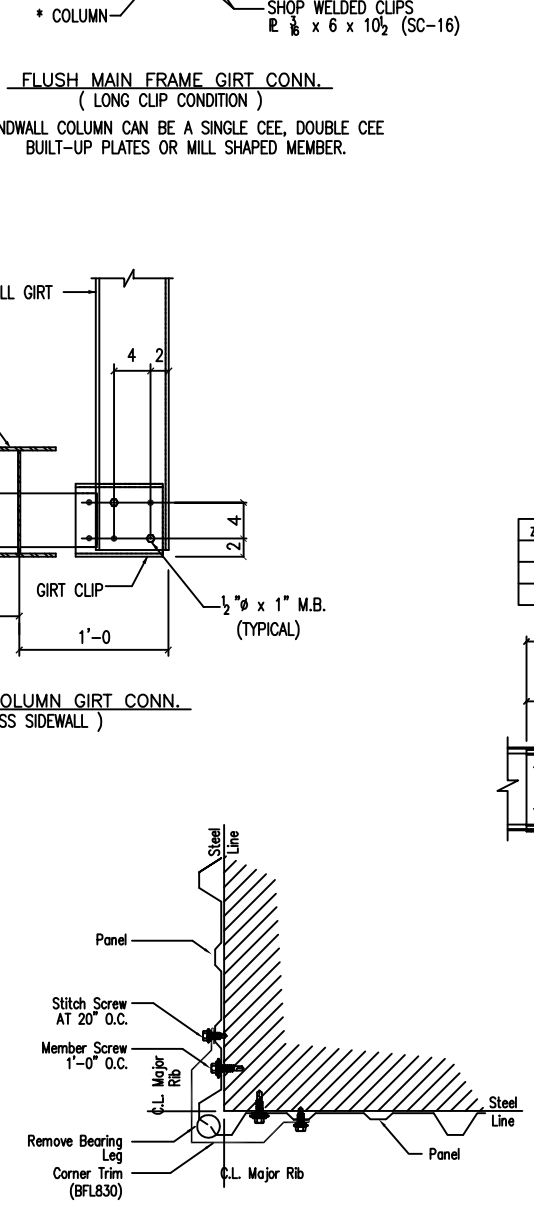
Fastener Location "PBR" Panel At Wall



MAIN FRAME COLUMN GIRT CONN.
(W FLUSS SIDEWALL)



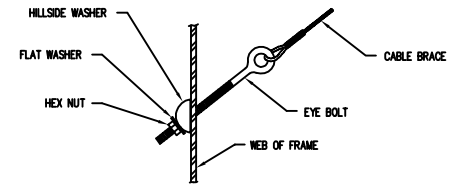
INSIDE CORNER TRIM DETAIL "PBR" PANEL



"PBR" Panel Outside Corner Trim

BELOW EAVE LEAN-TO CONN.
(FLUSH GIRT CONDITION)

LEAN-TO CONNECTION TO MAIN FRAME COLUMN (FLUSH GIRTS)



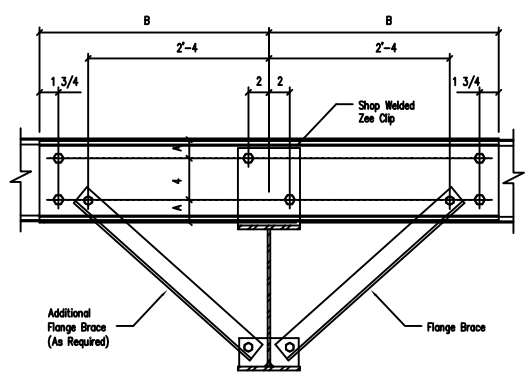
CABLE BRACE TO FRAME DETAIL

CABLE OR ROD BRACE TO FRAME CONNECTION

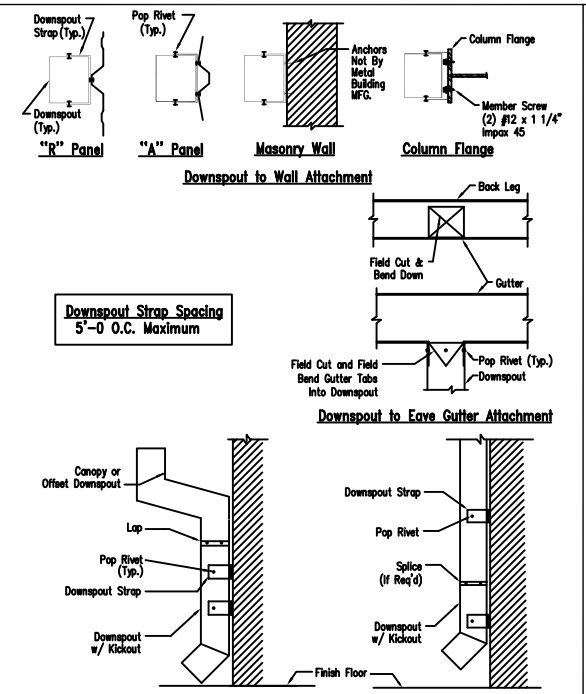
Zee	A
8"	2"
10"	3"
12"	4"

NOTE:
All Bolts are 1/2" x 1" A307 M. Bolts (Typ. U.N.)

Lap	B	Pattern
Long	1'-2 3/4"	LL
Extra Long	2'-5 3/4"	XX
Super	3'-1 3/4"	UU

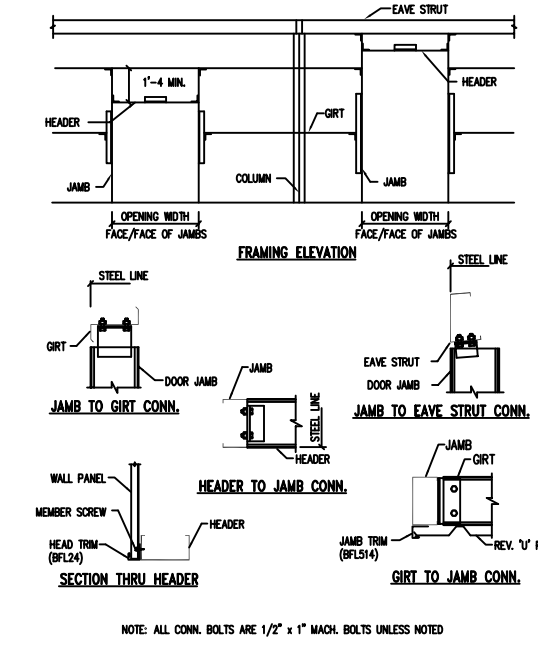


Interior Bay Purlin/Girt Framing



Downspout Detail

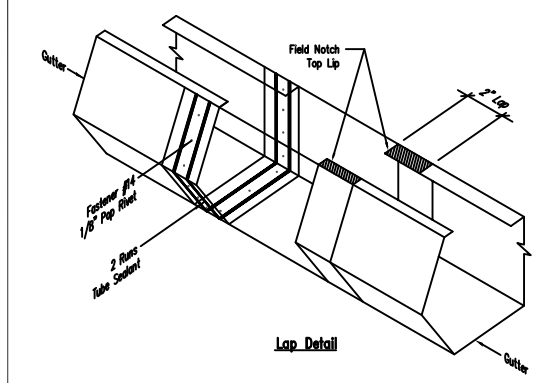
REV.	NO.	BY	CHK'D.	CHK'D.	NOTE: These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.	DRAWING NO.
	1.1	CT		6/28/01		NS9



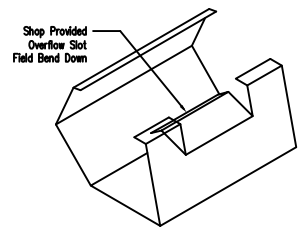
NOTE: ALL CONN. BOLTS ARE 1/2" x 1" MACH. BOLTS UNLESS NOTED

FRAMED OPENING FRAMING DETAILS

REV.	NO.	BY	CHK'D.	CHK'D.	NOTE: These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.	DRAWING NO.
	1.0	FM		4/15/01		NS21



Lap Detail



Gutter Lap Detail

REV.	NO.	BY	CHK'D.	DATE	NOTE: These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional NS-Sheets for further guidelines and/or clarifications.	DRAWING NO.
	1.0	CT		6/28/01		NS10A

DSN'D | APR'D
APR'D | DATE

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FOUNDATION BY OTHERS

NANGIA ENGR. OF TX
F-8528

DRAWING STATUS

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FINAL DRAWINGS.

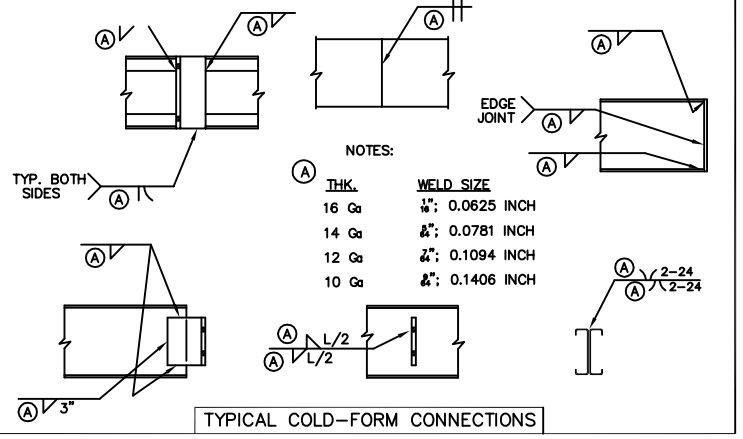
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	3/26/15	FOR CONSTRUCTION	PH	

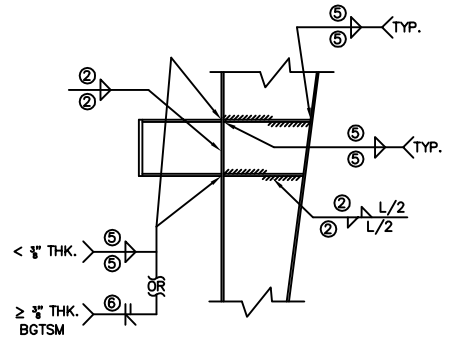
JDM STEEL

DESCRIPTION STANDARD DETAILS
SIZE SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER MOCK
LOCATION OAK RIDGE, TEXAS
CAD BY

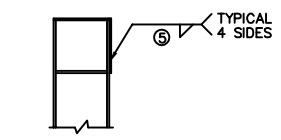
DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (Purlin)	SHEET NO.	ISSUE
		3/26/15	NONE				S1 OF 1	0



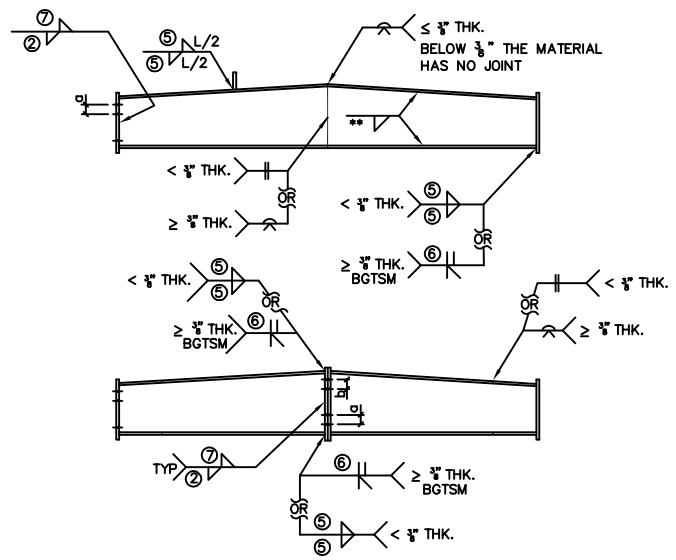
TYPICAL COLD-FORM CONNECTIONS



CANOPY LUG



KNEE WITH FLANGE THICKNESS BUILT UP BY SCAB PLATE.



** NOTE: SIZES OF FILLET WELD FOR WEB TO FLANGE WELD.

WEB THICKNESS	FLANGE THICKNESS		
	3/16"	1/4" TO 1/2"	OVER 1/2"
10 GA. & 3/16"	3/16	SEE NOTE 2	SEE NOTE 2
1/4"	SEE NOTE 1	3/16	
5/16"		1/4"	
3/8"		5/16	
OVER 3/8"	SEE NOTE 3		

NOTES:

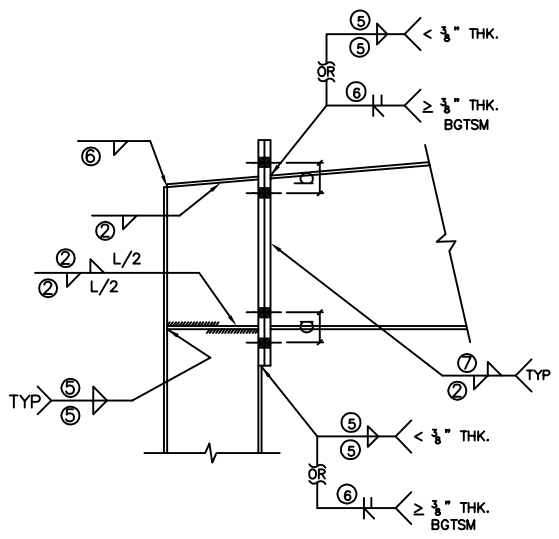
1. 3/16" FLANGES ARE NOT TO BE USED FOR WEB THICKNESS OF 1/4" OR OVER UNLESS SPECIFIED BY ENGINEERING.
2. WELD SIZE EQUALS TO THICKNESS OF WEB OR SEE NOTE 5.
3. FOR WEB THICKNESS OVER 3/8" ALL FILLET SIZES ARE TO BE SPECIFIED BY ENGINEERING.
4. WELD BOTH SIDES OF WEB TO FLANGE 3" BEYOND BOTH ENDS OF BRACKET.
5. FLANGE TO FLANGE OR FLANGE TO CONNECTION PLATE WELD SIZES ARE DETERMINED BY THE FOLLWING CRITERIA:

$t_f \leq 3/8"$	3/16" FILLET
$3/8" < t_f \leq 3/4"$	⟍ WITH 1/4" FILLET
$t_f > 3/4"$	⟍ WITH 5/16" FILLET

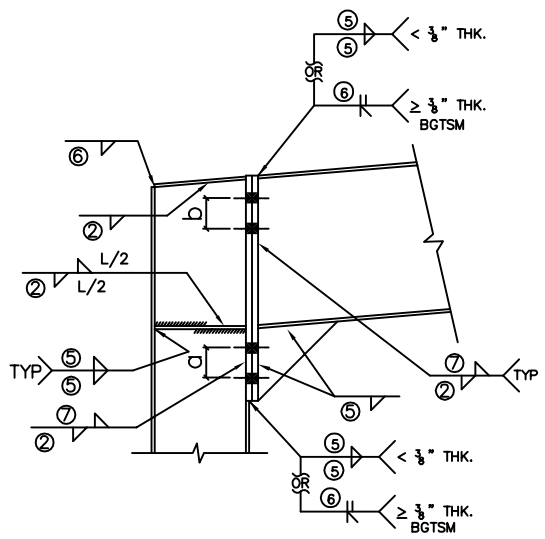
WELD NEED NOT EXCEED THICKNESS OF THINNER PART JOINED.

6. WELD SIZE IS TO BE 1/16" LESS THAN THICKER PLATE, BUT NOT TO EXCEED THICKNESS OF THINNER PLATE.
7. OPPOSITE SIDE WELD LENGTH TO BE a DIMENSION PLUS 3 INCHES, AND b DIMENSION PLUS 3 INCHES.

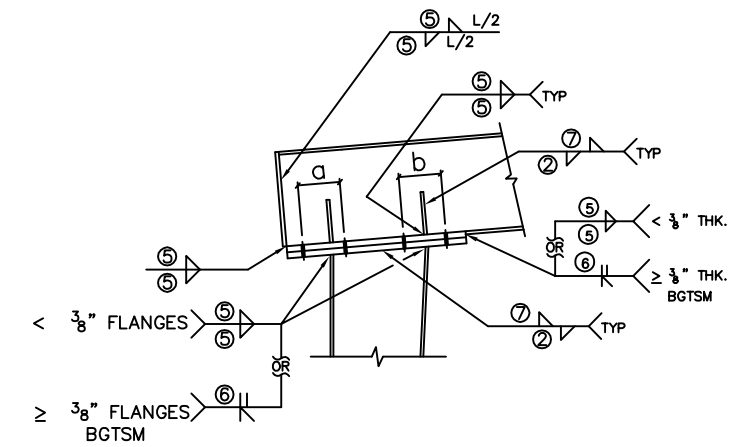
NOTE!!!
BGTSM = BACK GOUGE TO SOLID METAL (TYPICAL)



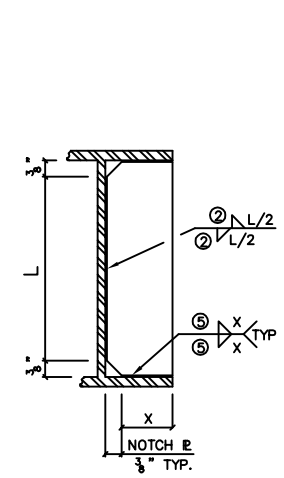
STRAIGHT COLUMN TYPE 1

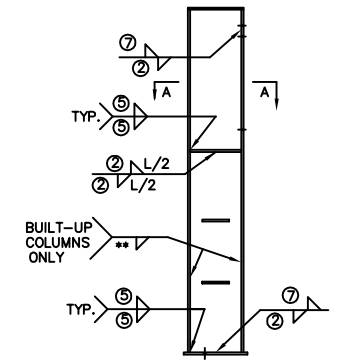


STRAIGHT COLUMN TYPE 2

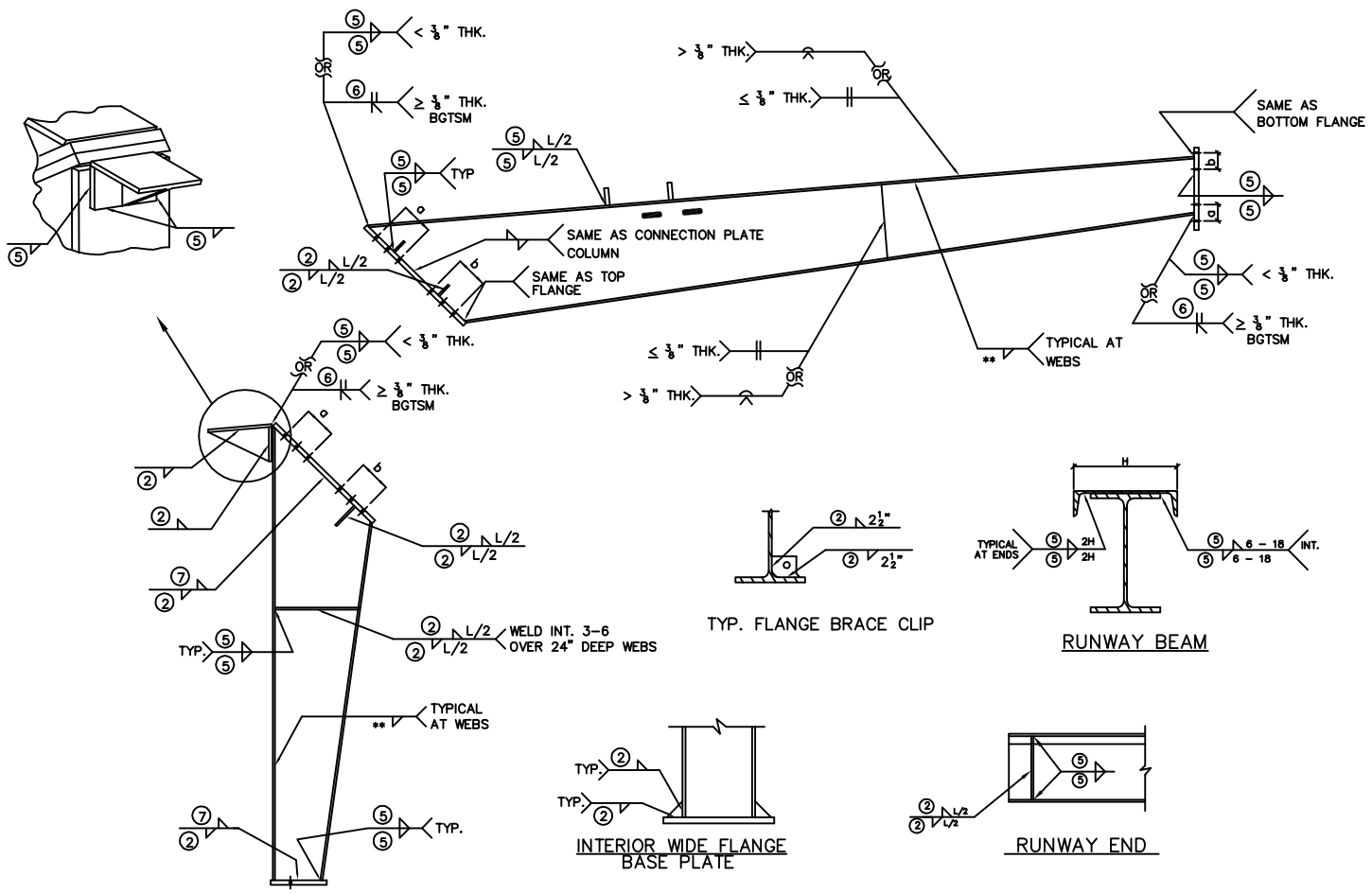


EXPRESS FRAME





TYPICAL STIFFENER DETAIL
SECTION A-A

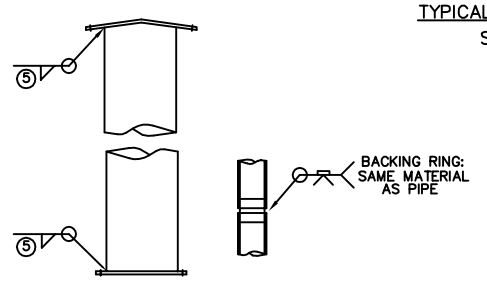


TYP. FLANGE BRACE CLIP

RUNWAY BEAM

INTERIOR WIDE FLANGE BASE PLATE

RUNWAY END



INTERIOR COLUMN CONNECTION PLATES

DSN APR. | APR. DATE

STRUCTURAL ONLY
FOUNDATION BY OTHERS

STATE OF TEXAS
ROBERT V. NANGIA
95428
PROFESSIONAL ENGINEER

NANGIA ENGR. OF TX
F-8528

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REVISIONS

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0	3/26/15	FOR CONSTRUCTION	PH	

JDM STEEL

DESCRIPTION	WELD SHEET
SIZE	SS 60'-6 X 105'-0 X 18'-0 L.S.
CUSTOMER	MOCK
LOCATION	OAK RIDGE, TEXAS
CAD BY	

DRN. BY	CK'D BY	DATE	SCALE	JOB NO.	PH	BLDG. DESC. (A/M/A)	SHEET NO.	ISSUE
		3/26/15	NONE				W1 OF 1	0